

DOCUMENTO N°4 PRESUPUESTO

ÍNDICE:

- 1. Mediciones..... 3
 - 1.1. Mediciones Auxiliares..... 4
 - 1.2. Mediciones Parciales 422
- 2. Cuadros de Precios..... 508
 - 2.1. Cuadro de Precios N°1..... 509
 - 2.2. Cuadro de Precios N°2..... 522
- 3. Presupuestos..... 542
 - 3.1. Presupuestos Parciales..... 543
 - 3.2. Presupuestos Generales..... 610

1. MEDICIONES

1.1. MEDICIONES AUXILIARES

RESUMEN MEDICION DE MOVIMIENTO DE TIERRAS													
Caminos	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Camino paralelo Izq. P.K. 99+500	2946,90				3379,70	373,90	3342,40	10334,10		13520,50			1352,05
Camino paralelo Izq. P.K. 101+300	3373,50				3872,20	87,80	3920,60	7970,30		15499,41			1549,94
Camino paralelo Izq. P.K. 102+800	1098,00				1192,80	165,00	1275,90	1249,50		4774,53			477,45
Camino paralelo Izq. P.K. 106+400	4877,60				4513,30	3073,00	5685,70	7160,80		22625,47			2262,55
Camino paralelo. P.K. 117+800	3188,70			42,20	1240,90	6618,50		13,60	42,20	6274,32	1392,20	1354,90	627,43
Camino paralelo Dch. P.K. 118+200	1682,50				2424,40	8507,50	1985,00	9757,70		12229,40			1222,94
Total Caminos	17167,20	0,00	0,00	42,20	16623,30	18825,70	16209,60	36486,00	42,20	74923,63	1392,20	1354,90	7492,36
E. Dueñas	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Enlace de Dueñas: Eje 1	509,30	442,70	435,60		439,10	305,60		1258,00		1791,60			179,16
Enlace de Dueñas: Eje 2	591,70	361,40	351,40		427,00	247,80		3608,80		1740,10			174,01
Enlace de Dueñas: Eje 3	334,90	305,90	296,00		302,00	156,60		877,20		1232,20			123,22
Enlace de Dueñas: Glorieta Dch.	677,00	1048,30	1024,80		1181,80	209,90		14072,70		4824,20			482,42
Enlace de Dueñas: Glorieta Izq.	672,20	1048,30	1023,80		1137,70	83,00		13329,20		4634,00			463,40
Enlace de Dueñas: Ramal 1	1433,00	1194,80	1189,50		1214,60	2445,00		1493,40		5047,30			504,73
Enlace de Dueñas: Ramal 2	1372,10	1153,70	1143,70		1226,60	894,80		7145,90		4987,30			498,73
Enlace de Dueñas: Ramal 3	1444,80	1224,40	1198,00		1313,10	1295,30		5447,70		5350,10			535,01
Enlace de Dueñas: Ramal 4	1345,20	1174,50	1160,80		1164,90	930,00		2230,10		4753,20			475,32
Total E. Dueñas	8380,20	7954,00	7823,60	0,00	8406,80	6568,00	0,00	49463,00	0,00	34360,00	0,00	0,00	3436,00
E. Vatoria la Buena	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Enlace Vatoria La Buena: Acceso	321,60		306,50	1549,10	362,70	66,20		1836,20	1549,10	1473,00			147,30
Enlace Vatoria La Buena: Eje 1	653,20		599,80	2874,20	636,80	62,80		2784,60	2874,20	2598,90			259,89
Enlace Vatoria La Buena: Eje 2	226,00		208,50	1635,40	343,30	124,90		1034,10	1635,40	1509,50			150,95
Enlace Vatoria La Buena: Glorieta Dch.	663,70		1035,40	5760,30	1209,30	0,20		15099,40	5760,30	4903,00			490,30
Enlace Vatoria La Buena: Ramal 1	1200,10		1013,80	3388,90	1163,80	1193,70		6032,90	3388,90	4714,60			471,46
Enlace Vatoria La Buena: Ramal 2	1068,40		1078,50	3273,70	1250,10	122,90		7994,10	3273,70	5092,70			509,27
Enlace Vatoria La Buena: Ramal 3	1249,00		1085,10	1914,20	1108,00	416,10		1425,10	1914,20	4585,81			458,58
Enlace Vatoria La Buena: Ramal 4	1349,90		1096,00	2177,90	1091,10	1751,80		923,20	2177,90	4492,55			449,26
Total E. Vatoria la Buena	6731,90	0,00	6423,60	22573,70	7165,10	3738,60	0,00	37129,60	22573,70	29370,06	0,00	0,00	2937,01
E. Cabezón de Pisuerga	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Enlace Cabezón de Pisuerga: Eje 1	142,60	139,00	131,80		139,00	207,00		263,00		742,60			74,26
Enlace Cabezón de Pisuerga: Eje 2	776,40	740,10	709,00		668,70	257,00		5187,50		3462,70			346,27
Enlace Cabezón de Pisuerga: Glorieta Izq.	687,80	1060,80	1035,80		968,90	164,70		11850,30		4934,50			493,45
Enlace Cabezón de Pisuerga: Ramal 1	1122,40	880,50	914,40		693,50	2910,30		1,80		3565,40			356,54
Enlace Cabezón de Pisuerga: Ramal 2	1369,20	1173,50	1179,00		958,50	1307,30		4205,40		4867,00			486,70
Enlace Cabezón de Pisuerga: Ramal 3	1267,60	1120,30	1106,30		948,30	681,00		2613,60		4858,70			485,87
Enlace Cabezón de Pisuerga: Ramal 4	1499,50	1281,70	1257,40		1100,10	2139,80		4022,00		5667,70			566,77
Total E. Cabezón de Pisuerga	6865,50	6395,90	6333,70	0,00	5477,00	7667,10	0,00	28143,60	0,00	28098,60	0,00	0,00	2809,86
E. Cigales Sur	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Enlace Cigales Sur: Glorieta Dch.	1080,50	680,00	662,20		1368,50	566,20		7979,90		6940,30			694,03
Enlace Cigales Sur: Vía de servicio Dch.	4359,20	3337,20	3381,80	3,40	3572,40	31341,60		6855,20	3,40	18103,06			1810,31
Enlace Cigales Sur: Ramal 1	1881,20	1307,10	1368,10	10,00	1281,20	14894,00		7,60	10,00	6556,50			655,65
Enlace Cigales Sur: Ramal 2	2194,50	1784,30	1767,70	1,50	1473,40	3666,10		3123,50	1,50	7445,50			744,55
Enlace Cigales Sur: Vía de servicio Izq.	3214,40	2843,40	2775,80	97,90	2578,60	4620,20		18727,70	97,90	13129,50			1312,95
Enlace Cigales Sur: VA-VP-4401 (1)	1345,90	1161,90	1147,90	948,40	881,70	1960,70		1450,50	948,40	4469,92			446,99
Enlace Cigales Sur: VA-VP-4401 (2)	200,00	187,40	178,10		183,20	310,20		486,30		979,85			97,99
Total E. Cigales Sur	14275,70	11301,30	11281,60	1061,20	11339,00	57359,00	0,00	38630,70	1061,20	57624,63	0,00	0,00	5762,47
E. VA-30	Firme	SS2	SEst3	Ex_Saneo	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneo	Desbroce	SEst1	SEst2	Desbroce
Enlace VA-30: Ramal 1	710,80		523,00		366,60	289,00		82,80		1843,90			184,39
Enlace VA-30: Ramal 2	469,20		322,80		235,20	489,50		3,10		1177,10			117,71
Enlace VA-30: Ramal 3	1268,30		774,10		562,00	619,10		205,00		2833,10			283,31
Enlace VA-30: Ramal 4	1953,70		1226,70		1069,30	307,60		3777,80		5411,46			541,15
Total E. VA-30	4402,00	0,00	2846,60	0,00	2233,10	1705,20	0,00	4068,70	0,00	11265,56	0,00	0,00	1126,56

E. Cigales	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Enlace Cigales: Glorieta Dch.	733,90	660,30	650,10		1265,60	233,40		6009,10		2928,23			292,82
Enlace Cigales: Eje 1	914,60	790,30	814,00		585,60	2094,40		10,40		6347,17			634,72
Enlace Cigales: Ramal 1	1553,60	1185,00	1225,00	390,10	1006,00	6336,00		128,50	390,10	5111,06			511,11
Total E. Cigales	3202,10	2635,60	2689,10	390,10	2857,20	8663,80	0,00	6148,00	390,10	14386,46	0,00	0,00	1438,65
E. Valladolid Norte	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Enlace Valladolid Norte: Acceso Valladolid	3701,90	3034,60	3032,30		1219,30	9015,80		33237,80		12420,20			1242,02
Enlace Valladolid Norte: Conexión glorietas	260,20	192,10	193,60		170,30	3183,60		18,80		856,10			85,61
Enlace Valladolid Norte: Glorieta Dch.	857,10	1013,90	1032,00		1207,60	35261,00		7,50		6056,10			605,61
Enlace Valladolid Norte: Glorieta Izq.	768,00	1048,60	1025,60		1116,80	188,20		29860,80		5733,80			573,38
Enlace Valladolid Norte: Ramal 1	2012,40	1758,40	1687,40		2976,80	30734,70		43200,10		15037,20			1503,72
Enlace Valladolid Norte: Ramal 2	1545,90	1422,80	1368,40		1273,50	510,30		10795,50		6614,50			661,45
Total E. Valladolid Norte	9145,50	8470,40	8339,30	0,00	7964,30	78893,60	0,00	117120,50	0,00	46717,90	0,00	0,00	4671,79
Vías de Servicio	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Vía de servicio Dch. P.K. 101+600	7939,90			7628,80	5139,00	4134,50		11872,50	7628,80	20695,61	4266,20	4296,50	2069,56
Vía de servicio Dch. P.K. 103+800	18229,70			11584,80	10955,30	4981,00		22364,70	11584,80	44124,21	9742,90	9806,90	4412,42
Vía de servicio Dch. P.K. 106+800	15335,40			8571,00	7790,20	7757,80		26422,80	8571,00	39383,00	8249,50	8429,60	3938,30
Vía de servicio Dch. P.K. 108+500	9896,60			8917,90	4650,70	3580,90		12484,40	8917,90	23412,37	5181,30	5219,50	2341,24
Vía de servicio Dch. P.K. 110+800	16264,70			2416,40		15936,70		4725,80	2416,40	32996,79	7541,80	7418,20	3299,68
Vía de servicio Dch. P.K. 113+500	20680,60			5920,40		19279,10		15360,60	5920,40	48548,27	10597,70	10678,10	4854,83
Vía de servicio Dch. P.K. 116+500	12412,80			8064,20	5936,50	8547,10		8621,80	8064,20	29995,37	6508,60	6494,60	2999,54
Vía de servicio Dch. P.K. 117+500	2314,70			167,10	1106,20	4443,30		1507,20	167,10	5678,38	1151,90	1161,10	567,84
Vía de servicio Dch. P.K. 98+100	6812,30				3913,10	3565,70		5833,20		15657,30	3544,10	3531,30	1565,73
Vía de servicio Izq. P.K. 102+200	1418,90			4209,40	914,00	119,90		2992,10	4209,40	3655,93	770,30	801,40	365,59
Vía de servicio Izq. P.K. 114+900	2966,70			583,70	1286,60	4133,90		142,20	583,70	6488,80	1461,40	1371,00	648,88
Vía de servicio Izq. P.K. 116+600	1491,70			583,00	657,90	2416,80		9,70	583,00	3299,80	716,40	674,00	329,98
Vía de servicio Izq. P.K. 117+200	1292,90			889,20	677,10	795,30		3691,80	889,20	3416,71	669,40	672,60	341,67
Vía de servicio Izq. P.K. 98+100	6749,90			823,00	4150,30	1690,30		9164,20	823,00	16606,20	3532,70	3652,80	1660,62
Total Vías de Servicio	123806,80	0,00	0,00	60358,90	47176,90	81382,30	0,00	125193,00	60358,90	293958,74	63934,20	64207,60	29395,88
Básculas de pesaje	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Báscula Pesaje P.K. 106+950: Acceso	574,50	501,60	488,30		365,50	705,20		188,40		1878,92			187,89
Báscula Pesaje P.K. 106+950: Salida	346,70	297,40	295,80		213,30	355,10		5,70		1087,83			108,78
Bascula Pesaje P.K. 98+200: Acceso	291,70	260,60	257,00		232,40	246,50		1,50		948,01			94,80
Bascula Pesaje P.K. 98+200: Salida	575,90	472,10	480,20		430,70	636,70		6,50		1749,63			174,96
Total Básculas de pesaje	1788,80	1531,70	1521,30	0,00	1241,90	1943,50	0,00	202,10	0,00	5664,39	0,00	0,00	566,43
Carreteras	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Carretera P.K. 107+830: Eje 1	883,70				494,20	557,00		1124,10		2535,90	483,60	504,30	253,59
Carretera P.K. 107+830: Eje 2	966,00				528,40	411,90		3075,40		2804,40	371,10	390,50	280,44
Carretera P.K. 107+830: Glorieta Dch.	837,20				756,60			9061,60		3866,50	439,20	457,70	386,65
Carretera acceso Dch. P.K. 117+200	512,80				232,50	653,10		52,00		1163,44	259,40	249,00	116,34
Carretera P.K. 118+660	550,60				218,70	889,20		7,70		1251,01	272,70	261,10	125,10
Acceso Cigales: Eje 1	330,20			37,30		532,50		26,90	37,30	720,47	163,90	158,40	72,05
Acceso Cigales: Eje 2	413,90					478,00		29,20		1008,52	224,50	232,80	100,85
Acceso Cigales: Glorieta	774,80				730,30	56,40		3048,00		3672,94	868,70	880,30	367,29
Total Carreteras	5269,20	0,00	0,00	37,30	2960,70	3578,10	0,00	16424,90	37,30	17023,18	3083,10	3134,10	1702,31
TRONCO	Firme	SS2	SEst3	Ex_Saneos	Ex_Vegetal	Ex_Desmonte	Re_Adecuado	Re_Terraplen	Re_Saneos	Desbroce	SEst1	SEst2	Desbroce
Calzada izquierda	192317,80	99238,20	128727,10	56637,50	53735,80	326720,80	4350,10	50494,10	59186,90	251996,20			25199,62
Calzada derecha	197724,50	103588,60	131528,80	48340,60	53815,40	285337,70	4549,40	75369,90	49582,30	252917,82			25291,78
Total TRONCO	390042,30	202826,80	260255,90	104978,10	107551,20	612058,50	8899,50	125864,00	108769,20	504914,02	0,00	0,00	50491,40
Total Movimiento de Tierras	591077,20	241115,70	307514,70	189441,50	220996,50	882383,40	25109,10	584874,10	193232,60	1118307,17	68409,50	68696,60	111830,72

TABLA RESUMEN DE FIRMES

	BBTM 11B	AC16 surf S	AC22 surf S	AC22 bin D	AC32 BaseG	SCemento-1	SCemento-2	Suelo Cemento	CEM I/A-V-32.5 R	ZA	Rellenos	BBTM 11B	AC16 surf S	AC22 surf S	AC22 bin D	AC32 base G
Tronco																
1: Autovía de Castilla A-62: Dueñas-Cigales Dch.	9.900,500 m²	0,000 m²	0,000 m²	23.265,100 m²	29.225,500 m²	73.926,700 m²	10.378,000 m²	84.304,700 m²	9.041,679 t	18.656,100 m³	32.057,500 m³	21.781,100 t	0,000 t	0,000 t	57.464,797 t	71.602,475 t
2: Autovía de Castilla A-62: Dueñas-Cigales Izq.	9.838,700 m²	0,000 m²	0,000 m²	22.509,500 m²	26.810,400 m²	69.774,600 m²	10.418,600 m²	80.193,200 m²	8.600,721 t	18.875,700 m³	33.641,200 m³	21.645,140 t	0,000 t	0,000 t	55.598,465 t	65.685,480 t
Total Tronco	19.739,200 m²	0,000 m²	0,000 m²	45.774,600 m²	56.035,900 m²	143.701,300 m²	20.796,600 m²	164.497,900 m²	17.642,400 t	37.531,800 m³	65.698,700 m³	43.426,240 t	0,000 t	0,000 t	113.063,262 t	137.287,955 t
Enlaces																
Enlace de Dueñas																
3: Enlace de Dueñas: Glorieta Dch.	0,000 m²	81,000 m²	0,000 m²	164,800 m²	0,000 m²	357,700 m²	0,000 m²	357,700 m²	38,363 t	0,000 m³	73,400 m³	0,000 t	200,880 t	0,000 t	407,056 t	0,000 t
4: Enlace de Dueñas: Glorieta Izq.	0,000 m²	81,000 m²	0,000 m²	164,800 m²	0,000 m²	357,700 m²	0,000 m²	357,700 m²	38,363 t	0,000 m³	68,600 m³	0,000 t	200,880 t	0,000 t	407,056 t	0,000 t
5: Enlace de Dueñas: Eje 1	0,000 m²	53,500 m²	0,000 m²	85,000 m²	0,000 m²	181,400 m²	0,000 m²	181,400 m²	19,455 t	85,100 m³	104,400 m³	0,000 t	132,680 t	0,000 t	209,950 t	0,000 t
6: Enlace de Dueñas: Eje 2	0,000 m²	45,300 m²	0,000 m²	92,400 m²	0,000 m²	200,800 m²	0,000 m²	200,800 m²	21,536 t	0,000 m³	63,300 m³	0,000 t	112,344 t	0,000 t	228,228 t	0,000 t
7: Enlace de Dueñas: Eje 3	0,000 m²	36,900 m²	0,000 m²	59,700 m²	0,000 m²	126,100 m²	0,000 m²	126,100 m²	13,524 t	50,600 m³	61,700 m³	0,000 t	91,512 t	0,000 t	147,459 t	0,000 t
8: Enlace de Dueñas: Ramal 1	0,000 m²	133,100 m²	0,000 m²	201,200 m²	0,000 m²	469,300 m²	0,000 m²	469,300 m²	50,332 t	248,100 m³	381,400 m³	0,000 t	330,088 t	0,000 t	496,964 t	0,000 t
9: Enlace de Dueñas: Ramal 2	0,000 m²	131,100 m²	0,000 m²	196,800 m²	0,000 m²	459,600 m²	0,000 m²	459,600 m²	49,292 t	249,600 m³	335,100 m³	0,000 t	325,128 t	0,000 t	486,096 t	0,000 t
10: Enlace de Dueñas: Ramal 3	0,000 m²	130,300 m²	0,000 m²	196,300 m²	0,000 m²	458,000 m²	0,000 m²	458,000 m²	49,121 t	245,800 m³	414,500 m³	0,000 t	323,144 t	0,000 t	484,861 t	0,000 t
11: Enlace de Dueñas: Ramal 4	0,000 m²	129,500 m²	0,000 m²	194,200 m²	0,000 m²	454,400 m²	0,000 m²	454,400 m²	48,734 t	246,700 m³	320,400 m³	0,000 t	321,160 t	0,000 t	479,674 t	0,000 t
Enlace Valoria																
14: Enlace Valoria La Buena: Glorieta Dch.	0,000 m²	81,100 m²	0,000 m²	115,200 m²	0,000 m²	385,100 m²	0,000 m²	385,100 m²	41,302 t	0,000 m³	82,300 m³	0,000 t	201,128 t	0,000 t	284,544 t	0,000 t
16: Enlace Valoria La Buena: Eje 1	0,000 m²	71,900 m²	0,000 m²	78,200 m²	0,000 m²	261,500 m²	0,000 m²	261,500 m²	28,046 t	108,900 m³	132,800 m³	0,000 t	178,312 t	0,000 t	193,154 t	0,000 t
17: Enlace Valoria La Buena: Eje 2	0,000 m²	25,400 m²	0,000 m²	29,500 m²	0,000 m²	98,000 m²	0,000 m²	98,000 m²	10,511 t	29,800 m³	43,300 m³	0,000 t	62,992 t	0,000 t	72,865 t	0,000 t
18: Enlace Valoria La Buena: Ramal 1	0,000 m²	109,300 m²	0,000 m²	114,200 m²	0,000 m²	425,900 m²	0,000 m²	425,900 m²	45,678 t	183,400 m³	367,300 m³	0,000 t	271,064 t	0,000 t	282,074 t	0,000 t
19: Enlace Valoria La Buena: Ramal 2	0,000 m²	23,600 m²	0,000 m²	125,200 m²	0,000 m²	472,800 m²	0,000 m²	472,800 m²	50,708 t	202,500 m³	244,300 m³	0,000 t	58,528 t	0,000 t	309,244 t	0,000 t
20: Enlace Valoria La Buena: Ramal 3	0,000 m²	118,700 m²	0,000 m²	123,600 m²	0,000 m²	453,500 m²	0,000 m²	453,500 m²	48,638 t	226,000 m³	327,200 m³	0,000 t	294,376 t	0,000 t	305,292 t	0,000 t
21: Enlace Valoria La Buena: Ramal 4	0,000 m²	119,000 m²	0,000 m²	123,700 m²	0,000 m²	445,100 m²	0,000 m²	445,100 m²	47,737 t	248,600 m³	413,600 m³	0,000 t	295,120 t	0,000 t	305,539 t	0,000 t
22: Enlace Valoria La Buena: Acceso	0,000 m²	45,200 m²	0,000 m²	64,100 m²	0,000 m²	211,100 m²	0,000 m²	211,100 m²	22,640 t	1,100 m³	0,100 m³	0,000 t	112,096 t	0,000 t	158,327 t	0,000 t
Enlace Cabezón de Pisuegra																
26: Enlace Cabezón de Pisuegra: Glorieta Izq.	0,000 m²	81,000 m²	0,000 m²	164,900 m²	0,000 m²	357,600 m²	0,000 m²	357,600 m²	38,353 t	0,000 m³	84,300 m³	0,000 t	200,880 t	0,000 t	407,203 t	0,000 t
27: Enlace Cabezón de Pisuegra: Eje 1	0,000 m²	18,100 m²	0,000 m²	25,700 m²	0,000 m²	85,400 m²	0,000 m²	85,400 m²	9,159 t	0,000 m³	19,500 m³	0,000 t	44,888 t	0,000 t	63,479 t	0,000 t
28: Enlace Cabezón de Pisuegra: Eje 2	0,000 m²	87,600 m²	0,000 m²	107,600 m²	0,000 m²	357,300 m²	0,000 m²	357,300 m²	38,320 t	79,300 m³	149,700 m³	0,000 t	217,248 t	0,000 t	265,772 t	0,000 t
29: Enlace Cabezón de Pisuegra: Ramal 1	0,000 m²	100,900 m²	0,000 m²	106,800 m²	0,000 m²	395,600 m²	0,000 m²	395,600 m²	42,428 t	161,800 m³	357,500 m³	0,000 t	250,232 t	0,000 t	263,796 t	0,000 t
30: Enlace Cabezón de Pisuegra: Ramal 2	0,000 m²	134,200 m²	0,000 m²	139,800 m²	0,000 m²	519,400 m²	0,000 m²	519,400 m²	55,706 t	236,700 m³	341,200 m³	0,000 t	332,816 t	0,000 t	345,306 t	0,000 t
31: Enlace Cabezón de Pisuegra: Ramal 3	0,000 m²	126,300 m²	0,000 m²	133,100 m²	0,000 m²	484,000 m²	0,000 m²	484,000 m²	51,099 t	225,900 m³	298,400 m³	0,000 t	313,224 t	0,000 t	328,757 t	0,000 t
32: Enlace Cabezón de Pisuegra: Ramal 4	0,000 m²	137,400 m²	0,000 m²	141,100 m²	0,000 m²	504,900 m²	0,000 m²	504,900 m²	54,151 t	295,000 m³	421,400 m³	0,000 t	340,752 t	0,000 t	348,517 t	0,000 t
Enlace VA-30																
33: Enlace VA-30: Ramal 1	0,000 m²	57,200 m²	0,000 m²	58,800 m²	86,700 m²	341,700 m²	0,000 m²	341,700 m²	36,647 t	0,000 m³	166,400 m³	0,000 t	141,856 t	0,000 t	145,236 t	212,415 t
34: Enlace VA-30: Ramal 2	0,000 m²	36,800 m²	0,000 m²	37,900 m²	56,700 m²	213,900 m²	0,000 m²	213,900 m²	22,941 t	0,000 m³	124,000 m³	0,000 t	93,613 t	0,000 t	138,915 t	0,000 t
89: Enlace VA-30: Ramal 3	0,000 m²	94,800 m²	0,000 m²	96,500 m²	144,000 m²	527,900 m²	0,000 m²	527,900 m²	56,617 t	0,000 m³	405,100 m³	0,000 t	235,104 t	0,000 t	238,355 t	352,800 t
90: Enlace VA-30: Ramal 4	0,000 m²	127,500 m²	0,000 m²	130,600 m²	193,100 m²	756,800 m²	0,000 m²	756,800 m²	81,167 t	0,000 m³	745,800 m³	0,000 t	316,200 t	0,000 t	322,582 t	473,095 t
Enlace Cigales																
77: Enlace Cigales: Eje1	0,000 m²	95,200 m²	0,000 m²	148,400 m²	0,000 m²	314,800 m²	0,000 m²	314,800 m²	33,762 t	137,800 m³	218,500 m³	0,000 t	236,096 t	0,000 t	366,548 t	0,000 t
76: Enlace Cigales: Glorieta Dch.	0,000 m²	92,500 m²	0,000 m²	187,500 m²	0,000 m²	396,100 m²	0,000 m²	396,100 m²	42,482 t	0,000 m³	57,800 m³	0,000 t	229,400 t	0,000 t	463,125 t	0,000 t
78: Enlace Cigales: Ramal 1	0,000 m²	132,600 m²	0,000 m²	200,600 m²	0,000 m²	476,900 m²	0,000 m²	476,900 m²	51,148 t	235,900 m³	477,100 m³	0,000 t	328,848 t	0,000 t	495,482 t	0,000 t
Enlace Cigales Sur:																
35: Enlace Cigales Sur: Glorieta Dch.	0,000 m²	92,600 m²	0,000 m²	187,500 m²	0,000 m²	402,000 m²	0,000 m²	402,000 m²	43,115 t	0,000 m³	398,400 m³	0,000 t	229,648 t	0,000 t	463,125 t	0,000 t
37: Enlace Cigales Sur: VA-VP-4401 (1)	0,000 m²	142,500 m²	0,000 m²	292,400 m²	0,000 m²	663,100 m²	0,000 m²	663,100 m²	71,117 t	0,000 m³	247,800 m³	0,000 t	353,400 t	0,000 t	722,228 t	0,000 t
38: Enlace Cigales Sur: VA-VP-4401 (2)	0,000 m²	22,900 m²	0,000 m²	39,300 m²	0,000 m²	82,300 m²	0,000 m²	82,300 m²	8,827 t	23,300 m³	32,200 m³	0,000 t	56,792 t	0,000 t	97,071 t	0,000 t
39: Enlace Cigales Sur: V5 Dcha	0,000 m²	378,100 m²	0,000 m²	582,300 m²	0,000 m²	1,315,600 m²	0,000 m²	1,315,600 m²	141,098 t	732,000 m³	1,351,200 m³	0,000 t	937,688 t	0,000 t	1,438,281 t	0,000 t
40: Enlace Cigales Sur: V5 Izda	0,000 m²	301,200 m²	0,000 m²	625,100 m²	0,000 m²	1,458,000 m²	0,000 m²	1,458,000 m²	156,371 t	0,000 m³	830,100 m³	0,000 t	746,976 t	0,000 t	1,543,997 t	0,000 t
41: Enlace Cigales Sur: Ramal 1	0,000 m²	147,300 m²	0,000 m²	216,000 m²	0,000 m²	488,100 m²	0,000 m²	488,100 m²	52,349 t	363,800 m³	666,100 m³	0,000 t	365,304 t	0,000 t	533,520 t	0,000 t
42: Enlace Cigales Sur: Ramal 2	0,000 m²	194,100 m²	0,000 m²	283,800 m²	0,000 m²	649,300 m²	0,000 m²	649,300 m²	69,637 t	438,200 m³	629,200 m³	0,000 t	481,368 t	0,000 t	700,986 t	0,000 t
Enlace Valladolid Norte:																
43: Enlace Valladolid Norte: Glorieta Izq.	0,000 m²	81,200 m²	0,000 m²	82,200 m²	166,800 m²	368,900 m²	0,000 m²	368,900 m²	39,565 t	0,000 m³	69,000 m³	0,000 t	201,376 t	0,000 t	203,034 t	408,660 t
44: Enlace Valladolid Norte: Glorieta Dch.	0,000 m²	81,100 m²	0,000 m²	82,200 m²	166,800 m²	369,000 m²	0,000 m²	369,000 m²	39,575 t	0,000 m³	158,000 m³	0,000 t	201,128 t	0,000 t	203,034 t	408,660 t
45: Enlace Valladolid Norte: Conexión glorietas	0,000 m²	27,100 m²	0,000 m²	27,400 m²	55,500 m²	119,000 m²	0,000 m²	119,000 m²	12,763 t	0,000 m³	31,200 m³	0,000 t	67,208 t	0,000 t	67,678 t	135,975 t
46: Enlace Valladolid Norte: Acceso Valladolid	0,000 m²	408,900 m²	0,000 m²	84,000 m²	0,000 m²	1,553,200 m²	0,000 m²	1,553,200 m²	166,581 t	583,800 m³	310,800 m³	0,000 t	1,014,072 t	0,000 t	2,082,210 t	0,000 t
47: Enlace Valladolid Norte: Ramal 1	0,000 m²	181,400 m²	0,000 m²	268,100 m²	0,000 m²	628,100 m²	0,000 m²	628,100 m²	67,364 t	0,000 m³	569,300 m³					

TABLA RESUMEN DE FIRMES

	Riegos					Betón									Filler
	C60B/3 ADH	C60B/3 ADH	C60B/3 CUR	C50B/4 IMP	Árido Cobertura 0/4 (ECR-1-Curado)	Betón PMB 45/80-65 C	Betón BC 35/50 (AC16 surf S)	Betón BC 50/70 (AC16 surf S)	Betón BC 50/70 (AC22 surf S)	Betón BC 35/50 (AC22 bin D)	Betón BC 50/70 (AC22 bin D)	Betón BC 35/50 (AC32 base G)	Betón BC 50/70 (AC32 base G)		
Tronco															
1: Autovía de Castilla A-62: Dueñas-Cigales Dch.	264,013 t	405,999 t	383,911 t	0,000 t	5.118,814 t	1,089,055 t	0,000 t	0,000 t	0,000 t	2,729,578 t	0,000 t	3,043,105 t	0,000 t	7,352,507 t	
2: Autovía de Castilla A-62: Dueñas-Cigales Izq.	262,365 t	383,284 t	359,577 t	0,000 t	4,794,363 t	1,082,257 t	0,000 t	0,000 t	0,000 t	2,640,927 t	0,000 t	2,791,633 t	0,000 t	6,995,361 t	
Total Tronco	526,379 t	789,283 t	743,488 t	0,000 t	9,913,178 t	2,171,312 t	0,000 t	0,000 t	0,000 t	5,370,505 t	0,000 t	5,834,738 t	0,000 t	14,347,868 t	
Enlaces															
Enlace de Dueñas															
: 3: Enlace de Dueñas: Glorieta Dch.	0,000 t	2,124 t	2,062 t	0,000 t	27,492 t	0,000 t	0,000 t	10,044 t	0,000 t	0,000 t	19,335 t	0,000 t	0,000 t	33,321 t	
: 4: Enlace de Dueñas: Glorieta Izq.	0,000 t	2,124 t	2,062 t	0,000 t	27,492 t	0,000 t	0,000 t	10,044 t	0,000 t	0,000 t	19,335 t	0,000 t	0,000 t	33,321 t	
: 5: Enlace de Dueñas: Eje 1	0,000 t	1,248 t	1,054 t	0,355 t	16,325 t	0,000 t	0,000 t	6,634 t	0,000 t	0,000 t	9,973 t	0,000 t	0,000 t	18,931 t	
: 6: Enlace de Dueñas: Eje 2	0,000 t	1,190 t	1,157 t	0,000 t	15,424 t	0,000 t	0,000 t	5,617 t	0,000 t	0,000 t	10,841 t	0,000 t	0,000 t	18,666 t	
: 7: Enlace de Dueñas: Eje 3	0,000 t	0,868 t	0,737 t	0,211 t	11,169 t	0,000 t	0,000 t	4,576 t	0,000 t	0,000 t	7,004 t	0,000 t	0,000 t	13,195 t	
: 8: Enlace de Dueñas: Ramal 1	0,000 t	3,038 t	2,615 t	1,034 t	41,484 t	0,000 t	0,000 t	16,504 t	0,000 t	0,000 t	23,606 t	0,000 t	0,000 t	45,772 t	
: 9: Enlace de Dueñas: Ramal 2	0,000 t	2,984 t	2,560 t	1,040 t	40,784 t	0,000 t	0,000 t	16,256 t	0,000 t	0,000 t	23,090 t	0,000 t	0,000 t	44,906 t	
: 10: Enlace de Dueñas: Ramal 3	0,000 t	2,970 t	2,552 t	1,024 t	40,579 t	0,000 t	0,000 t	16,157 t	0,000 t	0,000 t	23,031 t	0,000 t	0,000 t	44,723 t	
: 11: Enlace de Dueñas: Ramal 4	0,000 t	2,946 t	2,528 t	1,028 t	40,291 t	0,000 t	0,000 t	16,058 t	0,000 t	0,000 t	22,785 t	0,000 t	0,000 t	44,333 t	
Enlace Valoria															
: 14: Enlace Valoria La Buena: Glorieta Dch.	0,000 t	2,124 t	2,208 t	0,000 t	29,433 t	0,000 t	0,000 t	10,056 t	0,000 t	0,000 t	13,516 t	0,000 t	0,000 t	26,935 t	
: 16: Enlace Valoria La Buena: Eje 1	0,000 t	1,661 t	1,499 t	0,469 t	22,988 t	0,000 t	0,000 t	8,916 t	0,000 t	0,000 t	9,175 t	0,000 t	0,000 t	20,791 t	
: 17: Enlace Valoria La Buena: Eje 2	0,000 t	0,604 t	0,563 t	0,128 t	8,335 t	0,000 t	0,000 t	3,150 t	0,000 t	0,000 t	3,461 t	0,000 t	0,000 t	7,587 t	
: 18: Enlace Valoria La Buena: Ramal 1	0,000 t	2,481 t	2,319 t	0,791 t	35,976 t	0,000 t	0,000 t	13,553 t	0,000 t	0,000 t	13,399 t	0,000 t	0,000 t	31,002 t	
: 19: Enlace Valoria La Buena: Ramal 2	0,000 t	1,469 t	2,559 t	0,873 t	39,713 t	0,000 t	0,000 t	2,926 t	0,000 t	0,000 t	14,689 t	0,000 t	0,000 t	19,670 t	
: 20: Enlace Valoria La Buena: Ramal 3	0,000 t	2,691 t	2,488 t	0,974 t	39,402 t	0,000 t	0,000 t	14,719 t	0,000 t	0,000 t	14,501 t	0,000 t	0,000 t	33,614 t	
: 21: Enlace Valoria La Buena: Ramal 4	0,000 t	2,696 t	2,464 t	1,072 t	39,707 t	0,000 t	0,000 t	14,756 t	0,000 t	0,000 t	14,513 t	0,000 t	0,000 t	33,672 t	
: 22: Enlace Valoria La Buena: Acceso	0,000 t	1,183 t	1,219 t	0,005 t	16,283 t	0,000 t	0,000 t	5,605 t	0,000 t	0,000 t	7,521 t	0,000 t	0,000 t	14,998 t	
Enlace Cabezón de Pisuerga															
: 26: Enlace Cabezón de Pisuerga: Glorieta Izq.	0,000 t	2,125 t	2,062 t	0,000 t	27,496 t	0,000 t	0,000 t	10,044 t	0,000 t	0,000 t	19,247 t	0,000 t	0,000 t	33,334 t	
: 27: Enlace Cabezón de Pisuerga: Eje 1	0,000 t	0,474 t	0,491 t	0,000 t	6,546 t	0,000 t	0,000 t	2,244 t	0,000 t	0,000 t	3,015 t	0,000 t	0,000 t	6,010 t	
: 28: Enlace Cabezón de Pisuerga: Eje 2	0,000 t	2,138 t	0,000 t	0,342 t	29,585 t	0,000 t	0,000 t	10,862 t	0,000 t	0,000 t	12,624 t	0,000 t	0,000 t	26,921 t	
: 29: Enlace Cabezón de Pisuerga: Ramal 1	0,000 t	2,303 t	2,161 t	0,697 t	33,271 t	0,000 t	0,000 t	12,512 t	0,000 t	0,000 t	12,530 t	0,000 t	0,000 t	28,797 t	
: 30: Enlace Cabezón de Pisuerga: Ramal 2	0,000 t	3,043 t	2,833 t	1,020 t	44,299 t	0,000 t	0,000 t	16,641 t	0,000 t	0,000 t	16,402 t	0,000 t	0,000 t	38,011 t	
: 31: Enlace Cabezón de Pisuerga: Ramal 3	0,000 t	2,878 t	2,666 t	0,974 t	41,777 t	0,000 t	0,000 t	15,661 t	0,000 t	0,000 t	15,616 t	0,000 t	0,000 t	35,971 t	
: 32: Enlace Cabezón de Pisuerga: Ramal 4	0,000 t	3,096 t	2,802 t	1,272 t	45,497 t	0,000 t	0,000 t	17,038 t	0,000 t	0,000 t	16,555 t	0,000 t	0,000 t	38,655 t	
Enlace VA-30															
: 33: Enlace VA-30: Ramal 1	0,000 t	2,072 t	1,545 t	0,000 t	20,604 t	0,000 t	7,093 t	0,000 t	0,000 t	6,899 t	0,000 t	9,028 t	0,000 t	25,128 t	
: 34: Enlace VA-30: Ramal 2	0,000 t	1,340 t	0,982 t	0,000 t	13,092 t	0,000 t	4,563 t	0,000 t	0,000 t	4,447 t	0,000 t	5,904 t	0,000 t	16,271 t	
: 89: Enlace VA-30: Ramal 3	0,000 t	3,423 t	2,448 t	0,000 t	32,636 t	0,000 t	11,755 t	0,000 t	0,000 t	11,322 t	0,000 t	0,000 t	0,000 t	26,560 t	
: 90: Enlace VA-30: Ramal 4	0,000 t	4,610 t	3,429 t	0,000 t	45,720 t	0,000 t	15,810 t	0,000 t	0,000 t	15,323 t	0,000 t	0,000 t	0,000 t	35,827 t	
Enlace Cigales															
: 77: Enlace Cigales: Eje1	0,000 t	2,202 t	1,835 t	0,574 t	28,139 t	0,000 t	0,000 t	11,805 t	0,000 t	0,000 t	17,411 t	0,000 t	0,000 t	33,318 t	
: 76: Enlace Cigales: Glorieta Dch.	0,000 t	2,421 t	2,313 t	0,000 t	30,844 t	0,000 t	0,000 t	11,470 t	0,000 t	0,000 t	21,998 t	0,000 t	0,000 t	37,962 t	
: 78: Enlace Cigales: Ramal 1	0,000 t	3,028 t	2,634 t	0,983 t	41,415 t	0,000 t	0,000 t	16,442 t	0,000 t	0,000 t	23,535 t	0,000 t	0,000 t	45,620 t	
Enlace Cigales Sur:															
: 35: Enlace Cigales Sur: Glorieta Dch.	0,000 t	2,423 t	2,331 t	0,000 t	31,080 t	0,000 t	0,000 t	11,482 t	0,000 t	0,000 t	21,998 t	0,000 t	0,000 t	37,977 t	
: 37: Enlace Cigales Sur: VA-VP-4401 (1)	0,000 t	3,753 t	3,744 t	0,000 t	49,916 t	0,000 t	0,000 t	17,670 t	0,000 t	0,000 t	34,306 t	0,000 t	0,000 t	58,940 t	
: 38: Enlace Cigales Sur: VA-VP-4401 (2)	0,000 t	0,553 t	0,483 t	0,097 t	7,057 t	0,000 t	0,000 t	2,840 t	0,000 t	0,000 t	4,611 t	0,000 t	0,000 t	8,479 t	
: 39: Enlace Cigales Sur: VS Dcha	0,000 t	8,700 t	7,441 t	3,050 t	118,728 t	0,000 t	0,000 t	46,884 t	0,000 t	0,000 t	68,318 t	0,000 t	0,000 t	131,411 t	
: 40: Enlace Cigales Sur: VS Izda	0,000 t	7,979 t	8,125 t	0,000 t	108,328 t	0,000 t	0,000 t	37,349 t	0,000 t	0,000 t	73,340 t	0,000 t	0,000 t	125,492 t	
: 41: Enlace Cigales Sur: Ramal 1	0,000 t	3,319 t	2,760 t	1,516 t	46,505 t	0,000 t	0,000 t	18,265 t	0,000 t	0,000 t	25,342 t	0,000 t	0,000 t	49,795 t	
: 42: Enlace Cigales Sur: Ramal 2	0,000 t	4,368 t	3,651 t	1,826 t	60,361 t	0,000 t	0,000 t	24,068 t	0,000 t	0,000 t	33,297 t	0,000 t	0,000 t	65,509 t	
Enlace Valladolid Norte:															
: 43: Enlace Valladolid Norte: Glorieta Izq.	0,000 t	3,208 t	2,108 t	0,000 t	28,100 t	0,000 t	10,056 t	0,000 t	0,000 t	9,644 t	0,000 t	17,368 t	0,000 t	40,059 t	
: 44: Enlace Valladolid Norte: Glorieta Dch.	0,000 t	3,207 t	2,108 t	0,000 t	28,104 t	0,000 t	10,056 t	0,000 t	0,000 t	9,644 t	0,000 t	17,368 t	0,000 t	40,044 t	
: 45: Enlace Valladolid Norte: Conexión glorietas	0,000 t	1,069 t	0,690 t	0,000 t	9,200 t	0,000 t	3,360 t	0,000 t	0,000 t	3,215 t	0,000 t	5,779 t	0,000 t	13,348 t	
: 46: Enlace Valladolid Norte: Acceso Valladolid	0,000 t	10,795 t	9,718 t	2,433 t	145,136 t	0,000 t	0,000 t	50,704 t	0,000 t	0,000 t	98,905 t	0,000 t	0,000 t	169,640 t	
: 47: Enlace Valladolid Norte: Ramal 1	0,000 t	4,102 t	3,494 t	1,522 t	56,329 t	0,000 t	0,000 t	22,494 t	0,000 t	0,000 t	31,478 t	0,000 t	0,000 t	61,618 t	
: 48: Enlace Valladolid Norte: Ramal 2	0,000 t	3,483 t	3,198 t	0,730 t	47,305 t	0,000 t	0,000 t	17,744 t	0,000 t	0,000 t	29,284 t	0,000 t	0,000 t	53,506 t	
Total Enlaces	0,000 t	126,512 t	112,748 t	26,038 t	1,669,949 t	0,000 t	62,707 t	549,791 t	0,000 t	60,493 t	829,687 t	55,447 t	0,000 t	1,769,642 t	
Vías de servicio															
: 49: Vía de servicio Dch. P.K. 98+100	0,000 t	4,484 t	0,000 t	11,635 t	74,464 t	0,000 t	0,000 t	57,710 t	0,000 t	0,000 t	80,943 t	0,000 t	0,000 t	158,288 t	
: 50: Vía de servicio Izq. P.K. 98+100	0,000 t	4,360 t	0,000 t	11,313 t	72,400 t	0,000 t	0,000 t	56,110 t	0,000 t	0,000 t	78,690 t	0,000 t	0,000 t	153,891 t	
: 51: Vía de servicio Dch. P.K. 101+600	0,000 t	7,738 t	0,000 t	14,343 t	79,202 t	0,000 t	0,000 t	91,792 t	0,000 t	0,000 t	138,664 t	0,000 t	0,000 t	238,997 t	
: 52: Vía de servicio Izq. P.K. 102+200	0,000 t	1,637 t	0,000 t	2,880 t	18,432 t	0,000 t	0,000 t	14,285 t	0,000 t	0,000 t	27,736 t	0,000 t	0,000 t	47,651 t	
: 53: Vía de servicio Dch. P.K. 103+800	0,000 t	18,946 t	0,000 t	35,400 t	226,540 t	0,000 t	0,000 t	175,584 t	0,000 t	0,000 t	341,967 t	0,000 t	0,000 t	586,865 t	
: 54: Vía de servicio Dch. P.K. 106+800	0,000 t	15,792 t	0,000 t	29,508 t	188,848 t	0,000 t	0,000 t	146,357 t	0,000 t	0,000 t	285,041 t	0,000 t	0,000 t	489,174 t	
: 55: Vía de servicio Dch. P.K. 108+500	0,000 t	9,797 t	0,000 t	18,310 t	117,184 t	0,000 t	0,000 t	90,818 t	0,000 t	0,000 t	176,832 t	0,000 t	0,000 t	303,497 t	
: 56: Vía de servicio Dch. P.K. 110+800	0,000 t	13,762 t	0,000 t	25,519 t	163,320 t	0,000 t	0,000 t	151,275 t	0,000 t	0,000 t	248,412 t	0,000 t	0,000 t	454,784 t	
: 57: Vía de servicio D de servicio D															

LISTADOS DE MEDICIÓN DEL TRONCO

TIERRAS TRONCO

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 1
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
97500.000	FIRME	9.042	0.00	0.0	S SEL2	7.081	0.00	0.0	
	SUELO EST3	6.873	0.00	0.0	D FIRME	2.661	0.00	0.0	
	TERRAPLEN	8.872	0.00	0.0	VEGETAL	3.510	0.00	0.0	
97520.000	FIRME	9.043	180.85	180.9	S SEL2	7.086	141.67	141.7	
	SUELO EST3	6.876	137.48	137.5	D FIRME	2.371	50.31	50.3	
	TERRAPLEN	9.538	184.10	184.1	VEGETAL	3.526	70.35	70.4	
97540.000	FIRME	9.041	180.84	361.7	S SEL2	7.092	141.78	283.5	
	SUELO EST3	6.880	137.56	275.0	D FIRME	2.322	46.92	97.2	
	TERRAPLEN	9.186	187.24	371.3	VEGETAL	3.529	70.55	140.9	
97560.000	FIRME	9.042	180.84	542.5	S SEL2	7.098	141.90	425.4	
	SUELO EST3	6.883	137.63	412.7	D FIRME	2.447	47.68	144.9	
	TERRAPLEN	9.679	188.65	560.0	VEGETAL	3.537	70.66	211.6	
97580.000	FIRME	9.043	180.85	723.4	D TIERRA	0.007	0.07	0.1	
	S SEL2	7.105	142.03	567.4	SUELO EST3	6.885	137.68	550.3	
	D FIRME	2.950	53.97	198.9	TERRAPLEN	9.608	192.86	752.9	
97600.000	VEGETAL	3.544	70.81	282.4					
	FIRME	9.041	180.84	904.2	D TIERRA	0.019	0.25	0.3	
	S SEL2	7.110	142.15	709.5	SUELO EST3	6.891	137.76	688.1	
97620.000	D FIRME	3.048	59.98	258.9	TERRAPLEN	10.033	196.40	949.3	
	VEGETAL	3.576	71.21	353.6					
	FIRME	9.042	180.83	1085.1	D TIERRA	0.013	0.32	0.6	
97640.000	S SEL2	7.114	142.24	851.8	SUELO EST3	6.895	137.86	826.0	
	D FIRME	2.659	57.07	315.9	TERRAPLEN	9.671	197.03	1146.3	
	VEGETAL	3.575	71.51	425.1					
97660.000	FIRME	9.042	180.84	1265.9	D TIERRA	0.001	0.14	0.8	
	S SEL2	7.123	142.37	994.1	SUELO EST3	6.895	137.90	963.9	
	D FIRME	2.100	47.59	363.5	TERRAPLEN	9.473	191.44	1337.7	
97680.000	VEGETAL	3.606	71.81	496.9					
	FIRME	9.041	180.84	1446.7	S SEL2	7.130	142.53	1136.7	
	SUELO EST3	6.899	137.93	1101.8	D FIRME	1.754	38.55	402.1	
97700.000	TERRAPLEN	8.913	183.86	1521.6	VEGETAL	3.608	72.15	569.1	
	FIRME	9.042	180.83	1627.6	S SEL2	7.135	142.65	1279.3	
	SUELO EST3	6.902	138.01	1239.8	D FIRME	1.908	36.62	438.7	
97720.000	TERRAPLEN	9.495	184.08	1705.7	VEGETAL	3.595	72.04	641.1	
	FIRME	9.042	180.84	1808.4	S SEL2	7.141	142.75	1422.1	
	SUELO EST3	6.905	138.07	1377.9	D FIRME	2.028	39.36	478.1	
97740.000	TERRAPLEN	10.959	204.55	1910.2	VEGETAL	3.593	71.88	713.0	

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 2
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
97720.000	FIRME	9.042	180.84	1989.3	S SEL2	7.148	142.89	1565.0	
	SUELO EST3	6.909	138.13	1516.0	D FIRME	2.221	42.50	520.6	
	TERRAPLEN	9.927	208.86	2119.1	VEGETAL	3.583	71.76	784.7	
97740.000	FIRME	9.042	180.84	2170.1	D TIERRA	0.002	0.02	0.8	
	S SEL2	7.153	143.01	1708.0	SUELO EST3	6.911	138.19	1654.2	
	D FIRME	2.425	46.46	567.0	TERRAPLEN	9.527	194.53	2313.6	
97760.000	VEGETAL	3.573	71.56	856.3					
	FIRME	9.042	180.84	2350.9	D TIERRA	0.007	0.09	0.9	
	S SEL2	7.158	143.11	1851.1	SUELO EST3	6.915	138.26	1792.5	
97780.000	D FIRME	2.788	52.13	619.2	TERRAPLEN	8.429	179.56	2493.2	
	VEGETAL	3.572	71.45	927.7					
	FIRME	9.182	182.24	2533.2	D TIERRA	0.015	0.23	1.1	
97800.000	S SEL2	7.258	144.16	1995.3	SUELO EST3	7.011	139.26	1931.7	
	D FIRME	3.122	59.11	678.3	TERRAPLEN	8.326	167.55	2660.7	
	EXCAVA SANE0	7.006	70.06	70.1	TERRAP SANE0	7.006	70.06	70.1	
97820.000	VEGETAL	3.597	71.70	999.4					
	FIRME	9.416	185.98	2719.1	D TIERRA	0.028	0.43	1.5	
	S SEL2	7.416	146.75	2142.0	SUELO EST3	7.171	141.82	2073.5	
97840.000	D FIRME	3.296	64.18	742.4	TERRAPLEN	9.025	173.51	2834.2	
	EXCAVA SANE0	7.272	142.78	212.8	TERRAP SANE0	7.272	142.78	212.8	
	VEGETAL	3.732	73.29	1072.7					
97860.000	FIRME	9.649	190.65	2909.8	D TIERRA	0.025	0.53	2.1	
	S SEL2	7.585	150.01	2292.0	SUELO EST3	7.323	144.95	2218.5	
	D FIRME	3.571	68.68	811.1	TERRAPLEN	10.301	193.26	3027.5	
97880.000	EXCAVA SANE0	7.525	147.96	360.8	TERRAP SANE0	7.525	147.96	360.8	
	VEGETAL	3.861	75.93	1148.7					
	FIRME	9.883	195.31	3105.1	D TIERRA	0.042	0.68	2.8	
97900.000	S SEL2	7.744	153.29	2445.3	SUELO EST3	7.485	148.08	2366.6	
	D FIRME	4.020	75.92	887.0	TERRAPLEN	11.472	217.73	3245.2	
	EXCAVA SANE0	7.794	153.19	514.0	TERRAP SANE0	7.794	153.19	514.0	
97920.000	VEGETAL	3.996	78.57	1227.2					
	FIRME	10.116	199.98	3305.1	D TIERRA	0.046	0.88	3.6	
	S SEL2	7.906	156.50	2601.8	SUELO EST3	7.643	151.27	2517.8	
97940.000	D FIRME	4.000	80.21	967.2	TERRAPLEN	14.164	256.36	3501.6	
	EXCAVA SANE0	8.403	161.98	676.0	TERRAP SANE0	8.403	161.98	676.0	
	VEGETAL	4.297	82.93	1310.2					

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 3
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

97880.000	FIRME	10.348	204.64	3509.7	D TIERRA	0.098	1.44	5.1	
	S SEL2	8.068	159.73	2761.5	SUELO EST3	7.801	154.44	2672.3	
	D FIRME	4.002	80.02	1047.3	TERRAPLEN	8.010	221.74	3723.3	
97900.000	EXCAVA SANE0	8.198	166.01	842.0	TERRAP SANE0	8.198	166.01	842.0	
	VEGETAL	4.193	84.89	1395.1					
	FIRME	10.581	209.30	3719.0	D TIERRA	0.147	2.45	7.5	
97920.000	S SEL2	8.228	162.96	2924.5	SUELO EST3	7.959	157.60	2829.9	
	D FIRME	4.707	87.09	1134.4	TERRAPLEN	6.856	148.66	3872.0	
	EXCAVA SANE0	7.903	161.00	1003.0	TERRAP SANE0	7.903	161.00	1003.0	
97940.000	VEGETAL	4.045	82.38	1477.4					
	FIRME	10.617	211.99	3931.0	D TIERRA	0.188	3.35	10.9	
	S SEL2	8.257	164.85	3089.4	SUELO EST3	7.984	159.43	2989.3	
97960.000	D FIRME	5.526	102.33	1236.7	TERRAPLEN	5.791	126.47	3998.5	
	EXCAVA SANE0	7.282	151.85	1154.8	TERRAP SANE0	7.283	151.85	1154.8	
	VEGETAL	3.735	77.80	1555.2					
97980.000	FIRME	10.616	212.34	4143.3	D TIERRA	0.156	3.45	14.3	
	S SEL2	8.265	165.22	3254.6	SUELO EST3	7.987	159.71	3149.0	
	D FIRME	5.931	114.57	1351.3	TERRAPLEN	5.640	114.30	4112.8	
98000.000	EXCAVA SANE0	6.828	141.10	1295.9	TERRAP SANE0	6.828	141.11	1295.9	
	VEGETAL	3.508	72.42	1627.7					
	FIRME	10.617	212.33	4355.7	D TIERRA	0.119	2.75	17.1	
98020.000	S SEL2	8.268	165.33	3419.9	SUELO EST3	7.989	159.76	3308.8	
	D FIRME	5.971	119.02	1470.3	TERRAPLEN	5.592	112.32	4225.1	
	EXCAVA SANE0	6.662	134.89	1430.8	TERRAP SANE0	6.662	134.90	1430.8	
98040.000	VEGETAL	3.425	69.32	1697.0					
	FIRME	10.617	212.34	4568.0	D TIERRA	0.102	2.20	19.3	
	S SEL2	8.266	165.34	3585.2	SUELO EST3	7.990	159.79	3468.6	
98060.000	D FIRME	5.823	117.94	1588.2	TERRAPLEN	5.241	108.33	4333.4	
	EXCAVA SANE0	6.641	133.03	1563.8	TERRAP SANE0	6.641	133.03	1563.9	
	VEGETAL	3.414	68.39	1765.4					
98080.000	FIRME	10.617	212.34	4780.4	D TIERRA	0.126	2.27	21.5	
	S SEL2	8.266	165.32	3750.6	SUELO EST3	7.992	159.82	3628.4	
	D FIRME	6.254	120.78	1709.0	TERRAPLEN	4.896	101.37	4434.8	
98100.000	EXCAVA SANE0	6.620	132.61	1696.5	TERRAP SANE0	6.620	132.61	1696.5	
	VEGETAL	3.403	68.18	1833.6					

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 4
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
98020.000	FIRME	10.618	212.34	4992.7	D TIERRA	0.143	2.69	24.2	
	S SEL2	8.260	165.25	3915.8	SUELO EST3	7.992	159.84	3788.2	
	D FIRME	6.091	123.46	1832.5	TERRAPLEN	4.556	94.52	4529.3	
	EXCAVA SANE0	0.000	66.20	1762.7	TERRAP SANE0	0.000	66.20	1762.7	
98040.000	VEGETAL	3.440	68.44	1902.0					
	FIRME	10.616	212.34	5205.0	D TIERRA	0.334	4.77	29.0	
	S SEL2	8.249	165.09	4080.9	SUELO EST3	7.993	159.85	3948.1	
	D FIRME	6.476	125.67	1958.1	TERRAPLEN	3.938	84.94	4614.2	
98060.000	VEGETAL	3.434	68.74	1970.7					
	FIRME	10.617	212.33	5417.4	D TIERRA	0.664	9.98	39.0	
	S SEL2	8.237	164.86	4245.8	SUELO EST3	7.993	159.86	4107.9	
	D FIRME	6.862	133.38	2091.5	TERRAPLEN	3.882	78.20	4692.4	
98080.000	VEGETAL	3.434	68.68	2039.4					
	FIRME	10.617	212.34	5629.7	D TIERRA	0.309	9.73	48.7	
	S SEL2	8.211	164.48	4410.2	SUELO EST3	7.992	159.85	4267.8	
	D FIRME	7.065	139.27	2230.8	TERRAPLEN	3.989	78.71	4771.2	
98100.000	VEGETAL	3.257	66.91	2106.3					
	FIRME	10.616	212.34	5842.1	D TIERRA	0.194	5.03	53.7	
	S SEL2	8.184	163.95	4574.2	SUELO EST3	7.993	159.84	4427.6	
	D FIRME	7.641	147.06	2377.8	TERRAPLEN	3.799	77.88	4849.0	
98120.000	VEGETAL	2.821	60.78	2167.1					
	FIRME	10.615	212.32	6054.4	D TIERRA	0.751	9.45	63.2	
	S SEL2	8.146	163.31	4737.5	SUELO EST3	7.991	159.84	4587.5	
	D FIRME	8.799	164.40	2542.2	TERRAPLEN	3.581	73.80	4922.8	
98140.000	VEGETAL	2.360	51.81	2218.9					
	FIRME	10.617	212.33	6266.7	D TIERRA	2.386	31.37	94.6	
	S SEL2	8.103	162.49	4900.0	SUELO EST3	7.983	159.74	4747.2	
	D FIRME	5.367	141.66	2683.9	TERRAPLEN	3.343	69.24	4992.1	
98160.000	VEGETAL	4.122	64.82	2283.7					
	FIRME	10.616	212.34	6479.0	D TIERRA	2.264	46.50	141.1	
	S SEL2	7.932	160.34	5060.3	SUELO EST3	7.883	158.65	4905.8	
	D FIRME	5.325	106.92	2790.8	TERRAPLEN	3.194	65.37	5057.5	
98180.000	VEGETAL	4.052	81.74	2365.5					
	FIRME	10.614	212.31	6691.3	D TIERRA	2.235	44.99	186.1	
	S SEL2	7.898	158.29	5218.6	SUELO EST3	7.853	157.36	5063.2	
	D FIRME	5.368	106.93	2897.8	TERRAPLEN	3.010	62.05	5119.5	
	VEGETAL	4.009	80.61	2446.1					

98240.000	D FIRME	5.358	107.01	3111.9	TERRAPLEN	2.074	47.13	5223.1
	EXCAVA SANE0	0.000	0.01	1762.7	TERRAP SANE0	0.000	0.01	1762.7
	VEGETAL	4.037	80.86	2607.5				
	FIRME	10.617	212.34	7328.3	D TIERRA	2.287	41.46	300.2
98260.000	S SEL2	7.920	158.68	5695.2	SUELO EST3	7.887	157.93	5537.2
	D FIRME	5.351	107.09	3219.0	TERRAPLEN	1.722	37.96	5261.1
	VEGETAL	4.024	80.62	2688.1				
	FIRME	10.616	212.34	7540.7	D TIERRA	1.540	38.28	338.4
98280.000	S SEL2	7.979	158.99	5854.2	SUELO EST3	7.933	158.20	5695.4
	D FIRME	5.364	107.15	3326.1	TERRAPLEN	1.954	36.76	5297.8
	VEGETAL	4.045	80.70	2768.8				
	FIRME	10.617	212.33	7753.0	D TIERRA	0.826	23.67	362.1
98300.000	S SEL2	8.054	160.33	6014.6	SUELO EST3	7.962	158.95	5854.3
	D FIRME	5.356	107.21	3433.3	TERRAPLEN	2.000	39.54	5337.4
	VEGETAL	4.084	81.29	2850.1				
	FIRME	10.617	212.34	7965.3	D TIERRA	0.796	16.22	378.3
98320.000	S SEL2	8.199	162.53	6177.1	SUELO EST3	7.961	159.23	6013.6
	D FIRME	5.224	105.80	3539.1	TERRAPLEN	2.016	40.16	5377.5
	VEGETAL	4.198	82.82	2932.9				
	FIRME	10.616	212.34	8177.7	D TIERRA	1.378	21.74	400.1
98340.000	S SEL2	8.192	163.91	6341.0	SUELO EST3	7.955	159.17	6172.7
	D FIRME	5.117	103.41	3642.5	TERRAPLEN	1.818	38.34	5415.9
	VEGETAL	4.211	84.08	3017.0				
	FIRME	10.615	212.32	8390.0	D TIERRA	2.029	34.08	434.1
98360.000	S SEL2	8.179	163.71	6504.7	SUELO EST3	7.947	159.02	6331.8
	D FIRME	5.292	104.09	3746.6	TERRAPLEN	1.712	35.30	5451.2
	VEGETAL	4.241	84.51	3101.5				
	FIRME	10.617	212.33	8602.3	D TIERRA	2.331	43.61	477.8
	S SEL2	8.164	163.43	6668.2	SUELO EST3	7.940	158.87	6490.6
	D FIRME	5.342	106.34	3853.0	TERRAPLEN	2.302	40.14	5491.3
	VEGETAL	4.253	84.93	3186.5				

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 6

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98380.000	FIRME	9.042	196.59	8798.9	D TIERRA	2.213	45.44	523.2
	S SEL2	6.883	150.48	6818.6	SUELO EST3	6.860	147.99	6638.6
	D FIRME	5.335	106.77	3959.7	TERRAPLEN	2.366	46.68	5538.0
	VEGETAL	3.136	73.89	3260.3				
98400.000	FIRME	8.974	180.15	8979.1	D TIERRA	2.151	43.63	566.8
	S SEL2	5.973	128.56	6947.2	SUELO EST3	5.941	128.01	6766.6
	D FIRME	3.918	92.52	4052.3	TERRAPLEN	1.944	43.10	5581.1
	VEGETAL	3.130	62.66	3323.0				
98420.000	FIRME	9.042	180.16	9159.2	D TIERRA	2.698	48.48	615.3
	S SEL2	6.878	128.51	7075.7	SUELO EST3	6.851	127.92	6894.5
	D FIRME	5.347	92.65	4144.9	TERRAPLEN	1.725	36.69	5617.8
	VEGETAL	3.116	62.47	3385.5				
98440.000	FIRME	9.042	180.84	9340.1	D TIERRA	2.888	55.86	671.2
	S SEL2	6.839	137.17	7212.9	SUELO EST3	6.833	136.84	7031.4
	D FIRME	5.354	107.01	4251.9	TERRAPLEN	1.877	36.02	5653.8
	VEGETAL	3.086	62.03	3447.5				
98460.000	FIRME	9.042	180.84	9520.9	D TIERRA	3.286	61.74	732.9
	S SEL2	6.798	136.37	7349.2	SUELO EST3	6.812	136.45	7167.8
	D FIRME	5.354	107.09	4359.0	TERRAPLEN	1.527	34.04	5687.9
	VEGETAL	3.060	61.46	3509.0				
98480.000	FIRME	9.042	180.84	9701.7	D TIERRA	3.092	63.78	796.7
	S SEL2	6.772	135.70	7484.9	SUELO EST3	6.795	136.07	7303.9
	D FIRME	5.351	107.05	4466.1	TERRAPLEN	2.118	36.45	5724.3
	VEGETAL	3.041	61.01	3570.0				
98500.000	FIRME	9.042	180.84	9882.6	D TIERRA	3.207	62.99	859.7
	S SEL2	6.737	135.09	7620.0	SUELO EST3	6.773	135.69	7439.6
	D FIRME	5.327	106.78	4572.8	TERRAPLEN	2.022	41.40	5765.7
	VEGETAL	3.029	60.71	3630.7				
98520.000	FIRME	9.043	180.85	10063.4	D TIERRA	3.893	71.00	930.7
	S SEL2	6.705	134.41	7754.4	SUELO EST3	6.751	135.24	7574.8
	D FIRME	5.336	106.63	4679.5	TERRAPLEN	1.824	38.46	5804.2
	VEGETAL	3.004	60.33	3691.0				
98540.000	FIRME	9.026	180.69	10244.1	D TIERRA	5.131	90.24	1020.9
	S SEL2	6.552	132.56	7887.0	SUELO EST3	6.613	133.64	7708.5
	D FIRME	5.341	106.77	4786.2	TERRAPLEN	1.521	33.46	5837.6
	VEGETAL	2.900	59.04	3750.0				

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 7

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98560.000	FIRME	10.121	191.47	10435.6	D TIERRA	11.085	162.16	1183.1
	S SEL2	7.161	137.13	8024.1	SUELO EST3	7.228	138.41	7846.9
	D FIRME	5.365	107.06	4893.3	TERRAPLEN	1.210	27.32	5864.9
	VEGETAL	3.632	65.32	3815.4				
98580.000	FIRME	10.122	202.43	10638.0	D TIERRA	13.520	246.04	1429.1
	S SEL2	7.154	143.15	8167.3	SUELO EST3	7.220	144.48	7991.4
	D FIRME	5.363	107.28	5000.6	TERRAPLEN	1.525	27.35	5892.3
	VEGETAL	3.917	75.50	3890.9				
98600.000	FIRME	10.121	202.43	10840.4	D TIERRA	11.564	250.83	1680.0
	S SEL2	7.146	143.00	8310.3	SUELO EST3	7.214	144.34	8135.7
	D FIRME	5.352	107.15	5107.7	TERRAPLEN	1.457	29.82	5922.1
	VEGETAL	4.182	80.99	3971.9				
98620.000	FIRME	9.042	191.63	11032.1	D TIERRA	3.950	155.14	1835.1

98640.000	S SEL2	6.825	139.71	8450.0	SUELO EST3	6.770	139.85	8275.6
	D FIRME	5.336	106.88	5214.6	TERRAPLEN	2.654	41.12	5963.2
	VEGETAL	3.052	72.34	4044.2				
	FIRME	9.042	180.84	11212.9	D TIERRA	3.577	75.27	1910.4
98660.000	S SEL2	6.924	137.49	8587.5	SUELO EST3	6.765	135.36	8410.9
	D FIRME	5.343	106.79	5321.4	TERRAPLEN	2.849	55.04	6018.3
	VEGETAL	3.189	62.41	4106.6				
	FIRME	9.041	180.84	11393.8	D TIERRA	3.326	69.03	1979.4
98680.000	S SEL2	6.811	137.35	8724.8	SUELO EST3	6.762	135.27	8546.2
	D FIRME	5.344	106.87	5428.3	TERRAPLEN	0.955	38.05	6056.3
	VEGETAL	3.037	62.26	4168.9				
	FIRME	9.799	188.40	11582.2	D TIERRA	7.325	106.50	2085.9
98700.000	S SEL2	6.963	137.74	8862.6	SUELO EST3	7.038	137.99	8684.2
	D FIRME	5.323	106.68	5534.9	TERRAPLEN	0.527	14.83	6071.1
	VEGETAL	3.387	64.25	4233.1				
	FIRME	9.852	196.51	11778.7	D TIERRA	13.132	204.57	2290.5
98720.000	S SEL2	6.237	132.00	8994.6	SUELO EST3	6.410	134.47	8818.6
	D FIRME	5.296	106.19	5641.1	TERRAPLEN	0.072	6.00	6077.1
	VEGETAL	3.549	69.37	4302.5				
	FIRME	9.042	188.94	11967.6	D TIERRA	5.207	183.39	2473.9
	S SEL2	6.657	128.93	9123.5	SUELO EST3	6.713	131.23	8949.9
	D FIRME	5.274	105.69	5746.8	TERRAPLEN	0.586	6.58	6083.7
	VEGETAL	2.990	65.39	4367.9				

Istram 18.05.05.29 17/07/18 18:00:27 459 pagina 8

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

PROYECTO :
EJE: 1: Autov de Castilla A-62: Due□s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98740.000	FIRME	9.042	180.84	12148.4	D TIERRA	6.537	117.44	2591.3
	S SEL2	6.724	133.81	9257.3	SUELO EST3	6.754	134.67	9084.6
	D FIRME	5.265	105.38	5852.2	TERRAPLEN	0.670	12.56	6096.3
	VEGETAL	3.057	60.47	4428.3				
98760.000	FIRME	10.121	191.63	12340.1	D TIERRA	12.661	191.98	2783.3
	S SEL2	7.117	138.41	9395.7	SUELO EST3	7.192	139.46	9224.0
	D FIRME	5.316	105.81	5958.0	TERRAPLEN	0.139	8.09	6104.4
	VEGETAL	4.499	75.56	4503.9				
98780.000	FIRME	10.121	202.42	12542.5	D TIERRA	25.472	381.33	3164.6
	S SEL2	7.118	142.35	9538.1	SUELO EST3	7.194	143.86	9367.9
	D FIRME	5.259	105.75	6063.8	TERRAPLEN	0.035	1.74	6106.1
	VEGETAL	4.422	89.20	4593.1				
98800.000	FIRME	10.122	202.43	12744.9	D TIERRA	24.238	497.10	3661.7
	S SEL2	7.120	142.38	9680.4	SUELO EST3	7.193	143.87	9511.7
	D FIRME	5.273	105.32	6169.1	TERRAPLEN	0.031	0.66	6106.8
	VEGETAL	4.055	84.76	4677.9				
98820.000	FIRME	10.121	202.43	12947.3	D TIERRA	18.022	422.60	4084.3
	S SEL2	7.121	142.41	9822.8	SUELO EST3	7.194	143.88	9655.6
	D FIRME	5.270	105.43	6274.5	TERRAPLEN	0.031	0.62	6107.4
	VEGETAL	3.736	77.91	4755.8				
98840.000	FIRME	9.735	198.56	13145.9	D TIERRA	12.052	300.73	4385.0
	S SEL2	6.926	140.47	9963.3	SUELO EST3	7.002	141.96	9797.6
	D FIRME	5.164	104.33	6378.8	TERRAPLEN	0.049	0.80	6108.2
	VEGETAL	3.429	71.65	4827.4				
98860.000	FIRME	7.198	169.33	13315.2	D TIERRA	5.605	176.57	4561.6
	S SEL2	4.856	117.82	10081.1	SUELO EST3	4.931	119.32	9916.9
	D FIRME	5.561	107.25	6486.1	TERRAPLEN	0.119	1.68	6109.9
	VEGETAL	1.442	48.71	4876.1				
98880.000	FIRME	6.934	141.32	13456.6	D TIERRA	5.896	115.02	4676.6
	S SEL2	4.842	96.98	10178.1	SUELO EST3	4.918	98.48	10015.4
	D FIRME	5.561	111.23	6597.3	TERRAPLEN	0.189	3.08	6112.9
	VEGETAL	1.437	28.78	4904.9				
98900.000	FIRME	7.119	140.53	13597.1	D TIERRA	5.816	117.13	4793.7
	S SEL2	4.835	96.77	10274.9	SUELO EST3	4.913	98.31	10113.7
	D FIRME	5.556	111.18	6708.5	TERRAPLEN	0.052	2.40	6115.3
	VEGETAL	1.431	28.67	4933.6				

99040.000	S SEL2	6.396	103.92	10820.5	SUELO EST3	6.474	105.50	10668.7
	D FIRME	6.838	101.99	7264.5	TERRAPLEN	0.121	2.60	6130.7
	VEGETAL	2.022	39.05	5134.7				
	FIRME	8.951	179.16	14608.3	D TIERRA	9.192	179.07	5670.4
99060.000	S SEL2	6.379	127.75	10948.2	SUELO EST3	6.457	129.32	10798.0
	D FIRME	6.710	135.48	7400.0	TERRAPLEN	0.120	2.40	6133.1
	VEGETAL	2.072	40.93	5175.6				
	FIRME	10.555	195.06	14803.3	D TIERRA	11.706	208.98	5879.4
99080.000	S SEL2	7.452	138.31	11086.5	SUELO EST3	7.532	139.89	10937.9
	D FIRME	6.765	134.75	7534.7	TERRAPLEN	0.103	2.23	6135.4
	VEGETAL	2.940	50.12	5225.8				
	FIRME	10.541	210.96	15014.3	D TIERRA	11.857	235.63	6115.0
	S SEL2	7.437	148.89	11235.4	SUELO EST3	7.515	150.47	11088.4
	D FIRME	6.669	134.34	7669.0	TERRAPLEN	0.125	2.29	6137.7
	VEGETAL	2.974	59.14	5284.9				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 10
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ñas}-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99100.000	FIRME	10.536	210.78	15225.1	D TIERRA	11.380	232.37	6347.4
	S SEL2	7.430	148.66	11384.1	SUELO EST3	7.507	150.23	11238.6
	D FIRME	6.631	133.01	7802.0	TERRAPLEN	0.482	6.07	6143.7
	VEGETAL	2.986	59.59	5344.5				
99120.000	FIRME	10.534	210.71	15435.8	D TIERRA	11.289	226.70	6574.1
	S SEL2	7.425	148.55	11532.6	SUELO EST3	7.506	150.13	11388.7
	D FIRME	6.656	132.88	7934.9	TERRAPLEN	0.593	10.75	6154.5
	VEGETAL	2.970	59.56	5404.0				
99140.000	FIRME	10.990	215.24	15651.0	D TIERRA	12.664	239.53	6813.6
	S SEL2	7.716	151.41	11684.0	SUELO EST3	7.792	152.98	11541.7
	D FIRME	6.649	133.05	8068.0	TERRAPLEN	0.504	10.97	6165.4
	VEGETAL	3.297	62.67	5466.7				
99160.000	FIRME	11.073	220.63	15871.7	D TIERRA	13.448	261.11	7074.7
	S SEL2	7.778	154.93	11839.0	SUELO EST3	7.858	156.50	11698.2
	D FIRME	6.564	132.12	8200.1	TERRAPLEN	0.532	10.36	6175.8
	VEGETAL	3.406	67.04	5533.8				
99180.000	FIRME	10.530	216.04	16087.7	D TIERRA	12.389	258.37	7333.1
	S SEL2	7.409	151.86	11990.8	SUELO EST3	7.493	153.51	11851.7
	D FIRME	6.388	129.52	8329.6	TERRAPLEN	0.699	12.31	6188.1
	VEGETAL	3.092	64.99	5598.7				
99200.000	FIRME	11.136	216.67	16304.4	D TIERRA	13.745	261.34	7594.4
	S SEL2	7.817	152.26	12143.1	SUELO EST3	7.900	153.93	12005.7
	D FIRME	6.245	126.33	8455.9	TERRAPLEN	0.688	13.87	6202.0
	VEGETAL	3.609	67.01	5665.8				
99220.000	FIRME	10.617	217.54	16521.9	D TIERRA	8.238	219.83	7814.3
	S SEL2	7.724	155.42	12298.5	SUELO EST3	7.751	156.52	12162.2
	D FIRME	6.088	123.33	8579.3	TERRAPLEN	0.670	13.58	6215.6
	VEGETAL	3.452	70.61	5736.4				
99240.000	FIRME	10.617	212.34	16734.2	D TIERRA	8.178	164.15	7978.4
	S SEL2	7.716	154.40	12452.9	SUELO EST3	7.750	155.02	12317.2
	D FIRME	5.845	119.33	8698.6	TERRAPLEN	0.451	11.21	6226.8
	VEGETAL	3.571	70.23	5806.6				
99260.000	FIRME	10.615	212.32	16946.6	D TIERRA	8.107	162.85	8141.3
	S SEL2	7.715	154.31	12607.2	SUELO EST3	7.753	155.03	12472.2
	D FIRME	5.669	115.14	8813.7	TERRAPLEN	0.355	8.06	6234.8
	VEGETAL	3.659	72.30	5878.9				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 11
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ñas}-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99280.000	FIRME	10.501	211.16	17157.7	D TIERRA	7.960	160.67	8301.9
	S SEL2	7.679	153.95	12761.2	SUELO EST3	7.689	154.42	12626.6
	D FIRME	5.446	111.15	8924.9	TERRAPLEN	0.270	6.24	6241.1
	VEGETAL	3.729	73.87	5952.8				
99300.000	FIRME	10.266	207.67	17365.4	D TIERRA	6.734	146.94	8448.9
	S SEL2	7.626	153.05	12914.2	SUELO EST3	7.547	152.36	12779.0
	D FIRME	5.274	107.20	9032.1	TERRAPLEN	1.233	15.02	6256.1
	VEGETAL	3.744	74.73	6027.5				
99320.000	FIRME	10.033	203.00	17568.4	D TIERRA	6.659	133.93	8582.8
	S SEL2	7.509	151.35	13065.6	SUELO EST3	7.400	149.47	12928.5
	D FIRME	5.251	105.26	9137.4	TERRAPLEN	1.390	26.22	6282.3
	VEGETAL	3.654	73.99	6101.5				
99340.000	FIRME	9.801	198.34	17766.7	D TIERRA	6.784	134.43	8717.2
	S SEL2	7.387	148.95	13214.5	SUELO EST3	7.252	146.52	13075.0
	D FIRME	5.293	105.44	9242.8	TERRAPLEN	1.761	31.51	6313.8
	VEGETAL	3.538	71.92	6173.4				
99360.000	FIRME	9.567	193.68	17960.4	D TIERRA	7.039	138.23	8855.5
	S SEL2	7.258	146.45	13361.0	SUELO EST3	7.102	143.55	13218.5
	D FIRME	5.300	105.93	9348.7	TERRAPLEN	2.912	46.73	6360.6
	VEGETAL	3.490	70.28	6243.7				
99380.000	FIRME	9.333	189.00	18149.4	D TIERRA	6.652	136.90	8992.4
	S SEL2	7.107	143.65	13504.6	SUELO EST3	6.951	140.53	13359.1
	D FIRME	5.313	106.13	9454.9	TERRAPLEN	2.836	57.47	6418.0
	VEGETAL	3.365	68.55	6312.2				
99400.000	FIRME	9.102	184.35	18333.8	D TIERRA	6.683	133.35	9125.7
	S SEL2	6.954	140.61	13645.2	SUELO EST3	6.797	137.48	13496.6
	D FIRME	5.366	106.79	9561.6	TERRAPLEN	2.657	54.92	6472.9
	VEGETAL	3.219	65.84	6378.1				
99420.000	FIRME	9.043	181.45	18515.2	D TIERRA	7.287	139.70	9265.4

99440.000	S SEL2	6.917	138.71	13783.9	SUELO EST3	6.757	135.54	13632.1
	D FIRME	5.369	107.34	9669.0	TERRAPLEN	1.873	45.29	6518.2
	VEGETAL	3.155	63.74	6441.8				
	FIRME	9.041	180.84	18696.1	D TIERRA	7.255	145.42	9410.8
	S SEL2	6.915	138.32	13922.3	SUELO EST3	6.759	135.17	13767.3
	D FIRME	5.382	107.50	9776.5	TERRAPLEN	1.719	35.91	6554.2
	VEGETAL	3.128	62.83	6504.7				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 12
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ñas}-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99460.000	FIRME	9.042	180.82	18876.9	D TIERRA	7.203	144.58	9555.4
	S SEL2	6.912	138.27	14060.5	SUELO EST3	6.757	135.16	13902.4
	D FIRME	5.378	107.60	9884.1	TERRAPLEN	1.908	36.26	6590.4
	VEGETAL	3.150	62.78	6567.4				
99480.000	FIRME	9.041	180.83	19057.7	D TIERRA	7.116	143.19	9698.6
	S SEL2	6.908	138.20	14198.7	SUELO EST3	6.753	135.09	14037.5
	D FIRME	5.397	107.75	9991.8	TERRAPLEN	2.115	40.22	6630.6
	VEGETAL	3.144	62.94	6630.4				
99500.000	FIRME	9.042	180.83	19238.5	D TIERRA	6.918	140.34	9838.9
	S SEL2	6.900	138.08	14336.8	SUELO EST3	6.746	134.99	14172.5
	D FIRME	5.388	107.85	10099.7	TERRAPLEN	2.256	43.71	6674.4
	VEGETAL	3.155	62.99	6693.4				
99520.000	FIRME	9.042	180.85	19419.4	D TIERRA	6.582	135.00	9973.9
	S SEL2	6.892	137.92	14474.7	SUELO EST3	6.738	134.85	14307.4
	D FIRME	5.376	107.64	10207.3	TERRAPLEN	2.398	46.54	6720.9
	VEGETAL	3.162	63.17	6756.5				
99540.000	FIRME	9.041	180.83	19600.2	D TIERRA	6.185	127.68	10101.6
	S SEL2	6.880	137.72	14612.4	SUELO EST3	6.730	134.69	14442.0
	D FIRME	5.367	107.42	10314.7	TERRAPLEN	2.449	48.47	6769.4
	VEGETAL	3.123	62.85	6819.4				
99560.000	FIRME	9.042	180.82	19781.0	D TIERRA	6.188	123.73	10225.3
	S SEL2	6.867	137.48	14749.9	SUELO EST3	6.719	134.49	14576.5
	D FIRME	5.339	107.06	10421.8	TERRAPLEN	2.619	50.68	6820.0
	VEGETAL	3.148	62.71	6882.1				
99580.000	FIRME	9.042	180.84	19961.9	D TIERRA	6.153	123.41	10348.7
	S SEL2	6.852	137.19	14887.1	SUELO EST3	6.706	134.25	14710.8
	D FIRME	5.333	106.72	10528.5	TERRAPLEN	2.707	53.26	6873.3
	VEGETAL	3.128	62.76	6944.9				
99600.000	FIRME	9.042	180.84	20142.7	D TIERRA	6.059	122.12	10470.9
	S SEL2	6.837	136.89	15024.0	SUELO EST3	6.689	133.94	14844.7
	D FIRME	5.365	106.98	10635.5	TERRAPLEN	3.049	57.56	6930.9
	VEGETAL	3.089	62.17	7007.0				
99620.000	FIRME	9.042	180.83	20323.6	D TIERRA	5.798	118.57	10589.4
	S SEL2	6.816	136.53	15160.5	SUELO EST3	6.673	133.61	14978.3
	D FIRME	5.390	107.55	10743.0	TERRAPLEN	3.132	61.81	6992.7
	VEGETAL	3.033	61.22	7068.3				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 13
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ñas}-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 14
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99820.000	FIRME	9.038	180.76	22131.6	D TIERRA	2.338	68.12	11442.2
	S SEL2	6.699	130.45	16501.5	SUELO EST3	6.558	129.90	16295.6
	D FIRME	5.165	103.39	11787.6	TERRAPLEN	2.340	23.93	7465.2
	VEGETAL	3.063	58.75	7678.9				
99840.000	FIRME	9.037	180.75	22312.4	D TIERRA	1.814	41.52	11483.7
	S SEL2	6.697	133.97	16635.5	SUELO EST3	6.550	131.08	16426.7
	D FIRME	5.142	103.07	11890.7	TERRAPLEN	2.439	47.79	7513.0
	VEGETAL	3.053	61.17	7740.1				
99860.000	FIRME	9.038	180.75	22493.1	D TIERRA	1.361	31.75	11515.5
	S SEL2	6.646	133.43	16768.9	SUELO EST3	6.556	131.06	16557.8
	D FIRME	5.205	103.47	11994.2	TERRAPLEN	1.611	40.49	7553.5
	VEGETAL	2.959	60.13	7800.2				
99880.000	FIRME	9.038	180.77	22673.9	D TIERRA	1.034	23.95	11539.4
	S SEL2	6.683	133.28	16902.2	SUELO EST3	6.559	131.15	16688.9
	D FIRME	5.214	104.18	12098.4	TERRAPLEN	2.035	36.46	7589.9
	VEGETAL	2.988	59.48	7859.7				
99900.000	FIRME	9.038	180.77	22854.7	D TIERRA	1.224	22.57	11562.0
	S SEL2	6.709	133.92	17036.1	SUELO EST3	6.536	130.95	16819.9
	D FIRME	5.232	104.46	12202.8	TERRAPLEN	2.743	47.78	7637.7
	VEGETAL	3.033	60.22	7919.9				
99920.000	FIRME	9.039	180.77	23035.4	D TIERRA	0.495	17.19	11579.2
	S SEL2	6.716	134.25	17170.4	SUELO EST3	6.574	131.10	16951.0
	D FIRME	5.209	104.41	12307.2	TERRAPLEN	4.184	69.27	7707.0
	VEGETAL	3.127	61.60	7981.5				
99940.000	FIRME	9.040	180.79	23216.2	D TIERRA	0.144	6.39	11585.6
	S SEL2	6.726	134.42	17304.8	SUELO EST3	6.582	131.56	17082.5
	D FIRME	5.167	103.76	12411.0	TERRAPLEN	4.886	90.70	7797.7
	VEGETAL	3.154	62.81	8044.3				
99960.000	FIRME	9.041	180.81	23397.0	D TIERRA	0.134	2.78	11588.4
	S SEL2	6.725	134.51	17439.3	SUELO EST3	6.592	131.74	17214.3
	D FIRME	5.087	102.54	12513.5	TERRAPLEN	3.582	84.67	7882.4
	VEGETAL	3.013	61.67	8106.0				
99980.000	FIRME	9.041	180.82	23577.8	D TIERRA	0.096	2.30	11590.7
	S SEL2	6.746	134.70	17547.0	SUELO EST3	6.602	131.94	17346.2
	D FIRME	4.717	98.04	12611.6	TERRAPLEN	4.075	76.57	7958.9
	VEGETAL	3.102	61.15	8167.1				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 15
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100000.000	FIRME	9.041	180.83	23758.7	D TIERRA	0.067	1.64	11592.3
	S SEL2	6.756	135.02	17709.0	SUELO EST3	6.612	132.15	17478.4
	D FIRME	4.467	91.84	12703.4	TERRAPLEN	4.431	85.06	8044.0
	VEGETAL	3.134	62.36	8229.5				
100020.000	FIRME	9.042	180.83	23939.5	D TIERRA	0.057	1.24	11593.6
	S SEL2	6.765	135.21	17844.2	SUELO EST3	6.622	132.34	17610.7
	D FIRME	4.538	90.05	12793.5	TERRAPLEN	5.606	100.37	8144.4
	VEGETAL	3.197	63.31	8292.8				
100040.000	FIRME	9.041	180.82	24120.3	D TIERRA	0.052	1.09	11594.7
	S SEL2	6.776	135.41	17979.6	SUELO EST3	6.633	132.55	17743.3
	D FIRME	4.414	89.52	12883.0	TERRAPLEN	5.671	112.77	8257.1
	VEGETAL	3.205	64.02	8356.8				
100060.000	FIRME	9.042	180.82	24301.1	D TIERRA	0.051	1.03	11595.7
	S SEL2	6.786	135.62	18115.3	SUELO EST3	6.642	132.76	17876.0
	D FIRME	4.186	86.00	12969.0	TERRAPLEN	5.890	115.61	8372.8
	VEGETAL	3.226	64.31	8421.1				
100080.000	FIRME	9.042	180.84	24482.0	D TIERRA	0.022	0.73	11596.4
	S SEL2	6.796	135.82	18251.1	SUELO EST3	6.652	132.94	18009.0
	D FIRME	3.701	78.87	13047.9	TERRAPLEN	6.104	119.94	8492.7
	VEGETAL	3.234	64.60	8485.7				
100100.000	FIRME	9.042	180.84	24662.8	D TIERRA	0.006	0.28	11596.7
	S SEL2	6.803	135.98	18387.1	SUELO EST3	6.666	133.18	18142.1
	D FIRME	3.322	70.24	13118.1	TERRAPLEN	7.506	136.10	8628.8
	VEGETAL	3.287	65.21	8550.9				
100120.000	FIRME	9.042	180.84	24843.7	D TIERRA	0.008	0.14	11596.8
	S SEL2	6.818	136.21	18523.3	SUELO EST3	6.669	133.35	18275.5
	D FIRME	3.341	66.63	13184.7	TERRAPLEN	8.715	162.21	8791.0
	VEGETAL	3.332	66.19	8617.1				
100140.000	FIRME	9.042	180.84	25024.5	D TIERRA	0.001	0.09	11596.9
	S SEL2	6.817	136.35	18659.6	SUELO EST3	6.689	133.59	18409.1
	D FIRME	3.061	64.02	13248.7	TERRAPLEN	9.311	180.27	8971.3
	VEGETAL	3.345	66.77	8683.9				
100160.000	FIRME	9.042	180.84	25205.3	D TIERRA	0.000	0.01	11596.9
	S SEL2	6.837	136.54	18796.2	SUELO EST3	6.691	133.80	18542.9
	D FIRME	2.694	57.55	13306.3	TERRAPLEN	9.288	185.99	9157.3
	VEGETAL	3.365	67.10	8751.0				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 16
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

100180.000	FIRME	9.042	180.84	25386.2	S SEL2	6.846	136.83	18933.0
	SUELO EST3	6.699	133.90	18676.8	D FIRME	2.397	50.91	13357.2
	TERRAPLEN	10.084	193.72	9351.0	VEGETAL	3.404	67.69	8818.7
100200.000	FIRME	9.042	180.84	25567.0	S SEL2	6.856	137.02	19070.0
	SUELO EST3	6.708	134.08	18810.9	D FIRME	2.010	44.07	13401.3
	TERRAPLEN	10.932	210.16	9561.1	VEGETAL	3.426	68.30	8887.0
100220.000	FIRME	9.041	180.83	25747.9	S SEL2	6.866	137.22	19207.2
	SUELO EST3	6.717	134.26	18945.1	D FIRME	2.101	41.11	13442.4
	TERRAPLEN	11.370	223.02	9784.2	VEGETAL	3.458	68.85	8955.8
100240.000	FIRME	9.042	180.84	25928.7	S SEL2	6.876	137.42	19344.7
	SUELO EST3	6.725	134.43	19079.5	D FIRME	1.922	40.23	13482.6
	TERRAPLEN	11.850	232.20	10016.4	VEGETAL	3.483	69.42	9025.2
100260.000	FIRME	9.042	180.84	26109.5	S SEL2	6.886	137.62	19482.3
	SUELO EST3	6.735	134.60	19214.1	D FIRME	1.502	34.24	13516.8
	TERRAPLEN	11.648	234.99	10251.4	VEGETAL	3.496	69.80	9095.0
100280.000	FIRME	9.041	180.83	26290.4	S SEL2	6.897	137.83	19620.1
	SUELO EST3	6.743	134.78	19348.9	D FIRME	1.259	27.61	13544.5
	TERRAPLEN	12.211	238.59	10489.9	VEGETAL	3.521	70.17	9165.2
100300.000	FIRME	9.042	180.83	26471.2	S SEL2	6.905	138.02	19758.1
	SUELO EST3	6.751	134.94	19483.9	D FIRME	0.935	21.94	13566.4
	TERRAPLEN	12.826	250.37	10740.3	VEGETAL	3.558	70.79	9236.0
100320.000	FIRME	9.042	180.84	26652.0	S SEL2	6.914	138.19	19896.3
	SUELO EST3	6.756	135.06	19618.9	D FIRME	2.131	30.66	13597.1
	TERRAPLEN	13.690	265.17	11005.5	TERRAP SANEO	1.719	17.19	1780.0
	VEGETAL	3.597	71.55	9307.5				
100340.000	FIRME	9.042	180.84	26832.9	S SEL2	6.919	138.33	20034.7
	SUELO EST3	6.760	135.15	19754.1	D FIRME	2.020	41.52	13638.6
	TERRAPLEN	10.157	238.48	11244.0	TERRAP SANEO	1.747	34.66	1814.7
	VEGETAL	3.407	70.04	9377.6				
100360.000	FIRME	9.041	180.83	27013.7	S SEL2	6.923	138.42	20173.1
	SUELO EST3	6.764	135.24	19889.3	D FIRME	1.824	38.45	13677.0
	TERRAPLEN	13.801	239.58	11483.5	TERRAP SANEO	1.495	32.42	1847.1
	VEGETAL	3.619	70.26	9447.8				
100380.000	FIRME	9.042	180.83	27194.5	S SEL2	6.923	138.46	20311.5
	SUELO EST3	6.767	135.31	20024.6	D FIRME	1.706	35.30	13712.3
	TERRAPLEN	13.662	274.62	11758.2	EXCAVA SANEO	10.039	100.39	1863.2
	TERRAP SANEO	11.379	128.74	1975.8	VEGETAL	3.620	72.39	9520.2

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 17
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100400.000	FIRME	9.042	180.84	27375.4	S SEL2	6.931	138.54	20450.1
	SUELO EST3	6.770	135.37	20160.0	D FIRME	1.790	34.96	13747.3
	TERRAPLEN	13.425	270.87	12029.0	EXCAVA SANEO	9.937	199.76	2062.9
100420.000	TERRAP SANEO	11.216	225.96	2201.8	VEGETAL	3.608	72.28	9592.5
	FIRME	9.042	180.84	27556.2	S SEL2	6.934	138.66	20588.7
	SUELO EST3	6.774	135.44	20295.4	D FIRME	1.305	30.95	13778.2
100440.000	TERRAPLEN	13.190	266.15	12295.2	EXCAVA SANEO	8.987	189.24	2252.2
	TERRAP SANEO	9.525	207.41	2409.2	VEGETAL	3.582	71.90	9664.4
	FIRME	9.041	180.83	27737.1	S SEL2	6.938	138.72	20272.4
100460.000	SUELO EST3	6.776	135.50	20430.9	D FIRME	1.130	24.35	13802.6
	TERRAPLEN	11.845	250.34	12545.5	EXCAVA SANEO	8.233	172.20	2424.4
	TERRAP SANEO	8.233	177.58	2586.8	VEGETAL	3.537	71.19	9735.6
100480.000	FIRME	9.042	180.83	27917.9	S SEL2	6.939	138.77	20866.2
	SUELO EST3	6.779	135.55	20566.5	D FIRME	1.309	24.39	13827.0
	TERRAPLEN	11.876	237.21	12782.7	EXCAVA SANEO	8.206	164.39	2588.8
100500.000	TERRAP SANEO	8.206	164.39	2751.2	VEGETAL	3.526	70.63	9806.2
	FIRME	9.042	180.83	28098.7	S SEL2	6.944	138.84	21005.1
	SUELO EST3	6.780	135.58	20702.1	D FIRME	1.181	24.90	13851.9
100520.000	TERRAPLEN	9.698	215.75	12998.5	EXCAVA SANEO	7.951	161.58	2750.3
	TERRAP SANEO	7.951	161.58	2912.8	VEGETAL	3.419	69.45	9875.7
	FIRME	9.042	180.84	28279.6	S SEL2	6.946	138.90	21144.0
100540.000	SUELO EST3	6.783	135.62	20837.7	D FIRME	1.595	27.76	13879.6
	TERRAPLEN	8.728	184.26	13182.7	EXCAVA SANEO	7.923	158.75	2909.1
	TERRAP SANEO	7.924	158.75	3071.5	VEGETAL	3.407	68.26	9943.9
100560.000	FIRME	9.042	180.84	28460.4	D TIERRA	0.006	0.06	11597.0
	S SEL2	6.946	138.92	21282.9	SUELO EST3	6.785	135.68	20973.4
	D FIRME	1.999	35.94	13915.6	TERRAPLEN	8.479	172.06	13354.8
100580.000	EXCAVA SANEO	7.934	158.58	3067.7	TERRAP SANEO	7.934	158.58	3230.1
	VEGETAL	3.413	68.20	10012.1				
	FIRME	9.042	180.84	28641.2	D TIERRA	0.018	0.24	11597.2
100600.000	S SEL2	6.947	138.93	21421.8	SUELO EST3	6.788	135.74	21109.1
	D FIRME	2.444	44.43	13960.0	TERRAPLEN	7.833	163.12	13517.9
	EXCAVA SANEO	7.887	158.22	3225.9	TERRAP SANEO	7.888	158.22	3388.3
100620.000	VEGETAL	3.393	68.05	10080.2				

100600.000	VEGETAL	3.470	67.78	10215.0				
	FIRME	9.042	180.84	29183.8	D TIERRA	0.269	3.64	11604.6
	S SEL2	6.964	139.22	21839.1	SUELO EST3	6.795	135.89	21516.6
	D FIRME	3.826	71.31	14144.9	TERRAPLEN	5.938	128.87	13870.8
100620.000	EXCAVA SANE0	7.983	160.54	3700.1	TERRAP SANE0	7.983	160.54	3862.5
	VEGETAL	3.434	69.03	10284.0				
	FIRME	9.042	180.84	29364.6	D TIERRA	0.342	6.10	11610.7
	S SEL2	6.965	139.29	21978.4	SUELO EST3	6.796	135.91	21652.5
100640.000	D FIRME	4.216	80.42	14225.3	TERRAPLEN	4.814	107.52	13978.3
	EXCAVA SANE0	7.974	159.57	3859.7	TERRAP SANE0	7.974	159.57	4022.1
	VEGETAL	3.430	68.63	10352.6				
	FIRME	9.042	180.84	29545.4	D TIERRA	0.624	9.65	11620.4
100660.000	S SEL2	6.966	139.31	22117.7	SUELO EST3	6.798	135.94	21788.5
	D FIRME	4.677	88.93	14314.2	TERRAPLEN	3.913	87.27	14065.6
	EXCAVA SANE0	7.913	158.87	4018.6	TERRAP SANE0	7.913	158.87	4181.0
	VEGETAL	3.405	68.35	10421.0				
100680.000	FIRME	9.042	180.84	29726.3	D TIERRA	1.201	18.24	11638.6
	S SEL2	6.966	139.33	22257.1	SUELO EST3	6.797	135.95	21924.4
	D FIRME	4.932	96.10	14410.3	TERRAPLEN	3.298	72.12	14137.7
	EXCAVA SANE0	7.847	157.60	4176.1	TERRAP SANE0	7.847	157.60	4338.6
100680.000	VEGETAL	3.377	67.82	10488.8				
	FIRME	8.992	180.34	29906.6	D TIERRA	3.149	43.50	11682.1
	S SEL2	6.381	133.47	22390.5	SUELO EST3	6.324	131.21	22055.6
	D FIRME	4.994	99.26	14509.6	TERRAPLEN	2.741	60.39	14198.1
100680.000	EXCAVA SANE0	6.877	147.24	4323.4	TERRAP SANE0	6.877	147.24	4485.8
	VEGETAL	2.976	63.53	10552.3				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 19
 PROYECTO :
 EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100700.000	FIRME	8.910	179.02	30085.6	D TIERRA	3.997	71.46	11753.6
	S SEL2	6.212	125.93	22516.5	SUELO EST3	6.157	124.81	22180.4
	D FIRME	4.990	99.83	14609.4	TERRAPLEN	2.334	50.74	14248.8
	EXCAVA SANE0	6.469	133.46	4456.8	TERRAP SANE0	6.469	133.46	4619.3
	VEGETAL	2.807	57.83	10610.2				
100720.000	FIRME	8.845	177.56	30263.2	D TIERRA	4.327	83.25	11836.8
	S SEL2	6.112	123.24	22639.7	SUELO EST3	6.063	122.20	22302.6
	D FIRME	4.973	99.62	14709.0	TERRAPLEN	2.098	44.32	14293.2
	EXCAVA SANE0	6.264	127.33	4584.2	TERRAP SANE0	6.264	127.33	4746.6
	VEGETAL	2.720	55.27	10665.4				
100740.000	FIRME	9.043	178.88	30442.1	D TIERRA	4.233	85.61	11922.4
	S SEL2	6.892	130.04	22769.7	SUELO EST3	6.759	128.22	22430.9
	D FIRME	4.976	99.49	14808.5	TERRAPLEN	1.712	38.10	14331.3
	EXCAVA SANE0	7.419	136.83	4721.0	TERRAP SANE0	7.419	136.83	4883.4
	VEGETAL	3.249	59.69	10725.1				
100760.000	FIRME	9.042	180.84	30622.9	D TIERRA	5.093	93.26	12015.7
	S SEL2	6.830	137.22	22907.0	SUELO EST3	6.737	134.96	22565.8
	D FIRME	4.999	99.75	14908.3	TERRAPLEN	1.198	29.09	14360.3
	EXCAVA SANE0	7.252	146.71	4867.7	TERRAP SANE0	7.252	146.71	5030.1
	VEGETAL	3.184	64.33	10789.5				
100780.000	FIRME	9.042	180.84	30803.7	D TIERRA	6.163	112.56	12128.3
	S SEL2	6.758	135.88	23042.8	SUELO EST3	6.709	134.47	22700.3
	D FIRME	5.080	100.78	15009.1	TERRAPLEN	0.735	19.33	14379.7
	EXCAVA SANE0	6.967	142.19	5009.9	TERRAP SANE0	6.967	142.19	5172.3
	VEGETAL	3.092	62.76	10852.2				
100800.000	FIRME	9.042	180.84	30984.6	D TIERRA	6.626	127.89	12256.1
	S SEL2	6.661	134.19	23177.0	SUELO EST3	6.671	133.80	22834.1
	D FIRME	5.108	101.88	15110.9	TERRAPLEN	0.631	13.66	14393.3
	EXCAVA SANE0	6.930	138.96	5148.9	TERRAP SANE0	6.930	138.96	5311.3
	VEGETAL	3.014	61.06	10913.3				
100820.000	FIRME	9.042	180.84	31165.4	D TIERRA	7.134	137.60	12393.7
	S SEL2	6.556	132.17	23309.2	SUELO EST3	6.610	132.81	22966.9
	D FIRME	5.120	102.28	15213.2	TERRAPLEN	0.471	11.03	14404.4
	EXCAVA SANE0	6.707	136.36	5285.2	TERRAP SANE0	6.707	136.36	5447.7
	VEGETAL	2.940	59.54	10972.8				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 20
 PROYECTO :
 EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100840.000	FIRME	9.040	180.82	31346.3	D TIERRA	7.185	143.19	12536.9
	S SEL2	6.452	130.09	23439.3	SUELO EST3	6.528	131.38	23098.3
	D FIRME	5.150	102.70	15315.9	TERRAPLEN	0.466	9.37	14413.7
	EXCAVA SANE0	6.464	131.71	5416.9	TERRAP SANE0	6.464	131.71	5579.4
	VEGETAL	2.856	57.96	11030.8				
100860.000	FIRME	9.006	180.47	31526.7	D TIERRA	7.307	144.92	12681.9
	S SEL2	6.340	127.92	23567.2	SUELO EST3	6.424	129.52	23227.8
	D FIRME	5.136	102.86	15418.8	TERRAPLEN	0.241	7.07	14420.8
	EXCAVA SANE0	6.254	127.18	5544.1	TERRAP SANE0	6.254	127.18	5706.5
	VEGETAL	2.779	56.35	11087.1				
100880.000	FIRME	8.941	179.48	31706.2	D TIERRA	5.673	129.80	12811.6
	S SEL2	6.388	127.28	23694.5	SUELO EST3	6.454	128.78	23356.6
	D FIRME	5.134	102.70	15521.5	TERRAPLEN	0.605	8.46	14429.3
	EXCAVA SANE0	6.356	126.10	5670.2	TERRAP SANE0	6.356	126.10	5832.6
	VEGETAL	2.794	55.72	11142.9				
100900.000	FIRME	8.906	178.48	31884.7	D TIERRA	5.687	113.60	12925.2
	S SEL2	6.402	127.90	23822.4	SUELO EST3	6.426	128.80	23485.4
	D FIRME	5.134	102.67	15624.2	TERRAPLEN	0.698	13.03	14442.3
	EXCAVA SANE0	6.381	127.37	5797.6	TERRAP SANE0	6.381	127.37	5960.0

100920.000	VEGETAL	2.786	55.79	11198.6				
	FIRME	7.944	168.50	32053.2	D TIERRA	4.811	104.98	13030.2
	S SEL2	5.396	117.98	23940.4	SUELO EST3	5.418	118.44	23603.8
	D FIRME	3.606	87.39	15711.6	TERRAPLEN	0.971	16.69	14459.0
	EXCAVA SANE0	6.324	127.05	5924.7	TERRAP SANE0	6.324	127.05	6087.1
100940.000	VEGETAL	2.763	55.48	11254.1				
	FIRME	7.633	155.78	32209.0	D TIERRA	5.007	98.18	13128.4
	S SEL2	5.071	104.68	24045.1	SUELO EST3	5.099	105.16	23709.0
	D FIRME	3.140	67.46	15779.0	TERRAPLEN	1.042	20.13	14479.1
	EXCAVA SANE0	6.271	125.95	6050.6	TERRAP SANE0	6.271	125.95	6213.0
100960.000	VEGETAL	2.742	55.05	11309.2				
	FIRME	7.739	153.72	32362.7	D TIERRA	4.909	99.16	13227.6
	S SEL2	5.222	102.94	24148.0	SUELO EST3	5.229	103.28	23812.3
	D FIRME	3.340	64.80	15843.8	TERRAPLEN	1.066	21.08	14500.2
	EXCAVA SANE0	6.300	125.70	6176.3	TERRAP SANE0	6.300	125.70	6338.7
	VEGETAL	2.752	54.94	11364.1				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 21
 PROYECTO :
 EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
100980.000	FIRME	7.884	156.23	32518.9	D TIERRA	4.241	91.50	13319.1	
	S SEL2	5.392	106.14	24254.1	SUELO EST3	5.375	106.04	23918.3	
	D FIRME	3.583	69.23	15913.0	TERRAPLEN	0.975	20.41	14520.6	
	EXCAVA SANE0	6.328	126.27	6302.6	TERRAP SANE0	6.328	126.27	6465.0	
	VEGETAL	2.758	55.10	11419.2					
101000.000	FIRME	8.058	159.42	32678.3	D TIERRA	3.999	82.39	13401.5	
	S SEL2	5.614	110.06	24364.2	SUELO EST3	5.539	109.14	24027.4	
	D FIRME	3.855	74.37	15987.4	TERRAPLEN	0.820	17.96	14538.6	
	EXCAVA SANE0	6.379	127.07	6429.6	TERRAP SANE0	6.379	127.07	6592.1	
	VEGETAL	2.778	55.36	11474.6					
101020.000	FIRME	8.850	169.08	32847.4	D TIERRA	4.200	81.99	13483.4	
	S SEL2	6.495	121.09	24485.3	SUELO EST3	6.377	119.16	24146.6	
	D FIRME	5.003	88.57	16076.0	TERRAPLEN	1.020	18.40	14557.0	
	EXCAVA SANE0	6.433	128.13	6557.8	TERRAP SANE0	6.433	128.13	6720.2	
	VEGETAL	2.801	55.79	11530.4					
101040.000	FIRME	8.650	175.00	33022.4	D TIERRA	2.001	62.01	13545.5	
	S SEL2	5.535	120.30	24605.6	SUELO EST3	5.391	117.68	24264.3	
	D FIRME	3.383	83.86	16159.8	TERRAPLEN	1.523	25.43	14582.4	
	EXCAVA SANE0	6.583	130.16	6687.9	TERRAP SANE0	6.583	130.16	6850.3	
	VEGETAL	2.862	56.63	11587.0					
101060.000	FIRME	8.836	174.86	33197.3	D TIERRA	1.615	36.16	13581.6	
	S SEL2	6.646	121.81	24727.4	SUELO EST3	6.577	119.68	24384.0	
	D FIRME	5.105	84.87	16244.7	TERRAPLEN	1.748	32.71	14615.1	
	EXCAVA SANE0	6.712	132.94	6820.9	TERRAP SANE0	6.712	132.94	6983.3	
	VEGETAL	3.069	59.30	11646.3					
101080.000	FIRME	8.827	176.63	33373.9	D TIERRA	1.387	30.02	13611.6	
	S SEL2	6.536	131.82	24859.2	SUELO EST3	6.481	130.58	24514.5	
	D FIRME	5.209	103.14	16347.9	TERRAPLEN	2.489	42.38	14657.5	
	EXCAVA SANE0	6.726	134.37	6955.2	TERRAP SANE0	6.726	134.37	7117.7	
	VEGETAL	3.063	61.32	11707.6					
101100.000	FIRME	8.600	174.26	33548.2	D TIERRA	1.264	26.51	13638.1	
	S SEL2	4.824	113.61	24972.8	SUELO EST3	4.770	112.51	24627.1	
	D FIRME	2.987	81.96	16429.8	TERRAPLEN	1.281	37.71	14695.2	
	EXCAVA SANE0	6.434	131.60	7086.8	TERRAP SANE0	6.434	131.60	7249.3	
	VEGETAL	2.767	58.30	11765.9					

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 22
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
101120.000	FIRME	9.237	178.36	33726.5	D TIERRA	2.089	33.53	13671.7
	S SEL2	6.170	109.95	25082.8	SUELO EST3	6.182	109.51	24736.6
	D FIRME	5.048	80.34	16510.2	TERRAPLEN	1.238	25.20	14720.4
	EXCAVA SANE0	6.473	129.07	7215.9	TERRAP SANE0	6.473	129.07	7378.3
	VEGETAL	2.815	55.81	11821.7				
101140.000	FIRME	9.201	184.37	33910.9	D TIERRA	6.670	87.59	13759.3
	S SEL2	5.383	115.53	25198.3	SUELO EST3	5.556	117.38	24853.9
	D FIRME	4.381	94.28	16604.4	TERRAPLEN	0.140	13.79	14734.2
	EXCAVA SANE0	3.020	94.92	7310.8	TERRAP SANE0	3.020	94.93	7473.3
	VEGETAL	2.919	57.34	11879.1				
101160.000	FIRME	9.893	190.93	34101.8	D TIERRA	12.434	191.04	13950.3
	S SEL2	6.187	115.70	25314.0	SUELO EST3	6.360	119.16	24973.1
	D FIRME	5.107	94.87	16699.3	TERRAPLEN	0.087	2.27	14736.4
	EXCAVA SANE0	2.898	59.18	7370.0	TERRAP SANE0	2.898	59.18	7532.4
	VEGETAL	3.249	61.68	11940.7				
101180.000	FIRME	9.807	196.99	34298.8	D TIERRA	27.707	401.40	14351.7
	S ADECUADO	9.343	93.43	93.4	S SEL2	5.837	120.24	25434.2
	SUELO EST3	6.008	123.69	25096.8	D FIRME	4.661	97.68	16797.0
	TERRAPLEN	0.000	0.87	14737.3	EXCAVA SANE0	0.000	28.98	7399.0
	TERRAP SANE0	0.000	28.98	7561.4	VEGETAL	3.439	66.88	12007.6
101200.000	FIRME	9.987	197.94	34496.8	D TIERRA	35.287	629.94	14981.6
	S ADECUADO	9.391	187.34	280.8	S SEL2	5.866	117.04	25551.3
	SUELO EST3	6.040	120.49	25217.3	D FIRME	4.883	95.44	16892.4
	VEGETAL	3.426	68.66	12076.3				
	FIRME	10.370	203.57	34700.3	D TIERRA	42.143	774.30	15755.9
101220.000	S ADECUADO	10.324	197.15	477.9	S SEL2	6.426	122.92	25674.2
	SUELO EST3	6.599	126.40	25343.7	D FIRME	5.301	101.83	16994.3
	TERRAPLEN	0.007	0.07	14737.4	VEGETAL	3.453	68.79	12145.1
	FIRME	10.369	207.38	34907.7	D TIERRA	31.956	740.99	16496.9

101260.000	S ADECUADO	0.000	103.24	581.1	S SEL2	0.000	64.26	25738.5
	SUELO EST3	6.600	132.00	25475.7	D FIRME	5.244	105.44	17099.7
	TERRAPLEN	0.003	0.09	14737.5	VEGETAL	3.479	69.31	12214.4
	FIRME	10.371	207.39	35115.1	D TIERRA	34.247	662.04	17159.0
101280.000	SUELO EST3	6.599	131.99	25607.7	D FIRME	5.222	104.66	17204.4
	TERRAPLEN	0.016	0.19	14737.7	VEGETAL	3.465	69.44	12283.8
	FIRME	10.371	207.42	35322.5	D TIERRA	34.823	690.71	17849.7
	SUELO EST3	6.597	131.96	25739.6	D FIRME	5.285	105.07	17309.5
	TERRAPLEN	0.015	0.31	14738.0	VEGETAL	3.427	68.92	12352.7

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 23
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	

101300.000	FIRME	10.369	207.40	35529.9	D TIERRA	34.166	689.89	18539.6
	SUELO EST3	6.600	131.97	25871.6	D FIRME	5.292	105.77	17415.2
	TERRAPLEN	0.030	0.45	14738.4	VEGETAL	3.398	68.25	12421.0
	FIRME	9.917	202.86	35732.8	D TIERRA	32.426	665.91	19205.5
101320.000	SUELO EST3	6.371	129.71	26001.3	D FIRME	5.275	105.66	17520.9
	TERRAPLEN	0.026	0.56	14739.0	VEGETAL	3.179	65.77	12486.8
	FIRME	10.144	200.61	35933.4	D TIERRA	31.897	643.23	19848.7
	SUELO EST3	6.478	128.48	26129.8	D FIRME	5.284	105.59	17626.5
101340.000	TERRAPLEN	0.027	0.53	14739.5	VEGETAL	3.270	64.49	12551.3
	FIRME	10.419	205.63	36139.0	D TIERRA	28.363	602.61	20451.3
	SUELO EST3	6.594	130.72	26260.5	D FIRME	5.244	105.28	17731.8
	TERRAPLEN	0.022	0.49	14740.0	VEGETAL	3.398	66.67	12617.9
101380.000	FIRME	10.440	208.60	36347.6	D TIERRA	25.176	535.39	20986.7
	SUELO EST3	6.590	131.84	26392.3	D FIRME	5.257	105.01	17836.8
	TERRAPLEN	0.010	0.32	14740.3	VEGETAL	3.390	67.88	12685.8
	FIRME	10.462	209.02	36556.7	D TIERRA	23.087	482.63	21469.3
101400.000	SUELO EST3	6.589	131.79	26524.1	D FIRME	5.215	104.72	17941.5
	TERRAPLEN	0.014	0.23	14740.5	VEGETAL	3.392	67.82	12753.6
	FIRME	10.469	209.31	36766.0	D TIERRA	21.983	450.70	21920.0
	SUELO EST3	6.588	131.77	26655.9	D FIRME	5.258	104.73	18046.2
101420.000	TERRAPLEN	0.025	0.38	14740.9	VEGETAL	3.346	67.38	12821.0
	FIRME	10.468	209.37	36975.3	D TIERRA	21.654	436.37	22356.4
	SUELO EST3	6.589	131.77	26787.7	D FIRME	5.270	105.27	18151.5
	TERRAPLEN	0.023	0.48	14741.4	VEGETAL	3.326	66.71	12887.7
101460.000	FIRME	9.982	204.50	37179.8	D TIERRA	19.239	408.93	22765.3
	SUELO EST3	6.358	129.46	26917.1	D FIRME	5.276	105.45	18256.9
	TERRAPLEN	0.033	0.56	14742.0	VEGETAL	3.078	64.03	12951.8
	FIRME	9.744	197.26	37377.1	D TIERRA	16.053	352.92	23118.3
101480.000	SUELO EST3	6.209	125.67	27042.8	D FIRME	5.290	105.65	18362.6
	TERRAPLEN	0.033	0.65	14742.6	VEGETAL	2.907	59.84	13011.6
	FIRME	9.274	190.17	37567.3	D TIERRA	13.526	295.78	23414.0
	SUELO EST3	5.968	121.77	27164.6	D FIRME	5.319	106.09	18468.7
101500.000	TERRAPLEN	0.002	0.34	14743.0	VEGETAL	2.584	54.90	13066.5
	FIRME	9.307	185.81	37753.1	D TIERRA	11.084	246.10	23660.1
	SUELO EST3	6.024	119.92	27284.5	D FIRME	5.319	106.39	18575.1
	TERRAPLEN	0.017	0.18	14743.1	VEGETAL	2.577	51.61	13118.1

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 24
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	

101540.000	FIRME	8.637	179.44	37932.5	D TIERRA	9.822	209.06	23869.2
	SUELO EST3	5.688	117.12	27401.6	D FIRME	5.290	106.09	18681.2
	TERRAPLEN	0.010	0.27	14743.4	VEGETAL	2.172	47.50	13165.6
	FIRME	8.807	174.44	38107.0	D TIERRA	9.184	190.06	24059.3
101560.000	SUELO EST3	5.838	115.26	27516.9	D FIRME	5.266	105.56	18786.7
	TERRAPLEN	0.004	0.14	14743.6	VEGETAL	2.310	44.82	13210.4
	FIRME	8.894	177.01	38284.0	D TIERRA	7.190	163.74	24223.0
	SUELO EST3	5.970	118.08	27635.0	D FIRME	5.276	105.42	18892.2
101580.000	TERRAPLEN	0.031	0.34	14743.9	VEGETAL	2.413	47.23	13257.7
	FIRME	8.914	178.08	38462.0	D TIERRA	5.265	124.55	24347.6
	SUELO EST3	6.065	120.35	27755.3	D FIRME	5.260	105.36	18997.5
	TERRAPLEN	0.249	2.80	14746.7	VEGETAL	2.473	48.86	13306.5
101600.000	FIRME	8.897	178.11	38640.1	D TIERRA	3.766	90.31	24437.9
	SUELO EST3	6.096	121.62	27876.9	D FIRME	5.238	104.98	19102.5
	TERRAPLEN	0.380	6.29	14753.0	VEGETAL	2.488	49.61	13356.1
	FIRME	8.890	177.87	38818.0	D TIERRA	3.090	68.56	24506.4
101620.000	SUELO EST3	6.060	121.56	27998.5	D FIRME	5.250	104.88	19207.4
	TERRAPLEN	0.443	8.23	14761.2	VEGETAL	2.458	49.47	13405.6
	FIRME	8.890	177.80	38995.8	D TIERRA	2.898	59.88	24566.3
	SUELO EST3	6.118	121.78	28120.3	D FIRME	5.317	105.67	19313.0
101640.000	TERRAPLEN	0.720	11.63	14772.8	VEGETAL	2.463	49.22	13454.8
	FIRME	8.901	177.92	39173.7	D TIERRA	3.121	60.19	24626.5
	SUELO EST3	6.153	122.70	28243.0	D FIRME	5.410	107.27	19420.3
	TERRAPLEN	0.669	13.89	14786.7	VEGETAL	2.447	49.11	13503.9
101700.000	FIRME	8.926	178.28	39352.0	D TIERRA	2.884	60.04	24686.5
	SUELO EST3	6.182	123.35	28366.3	D FIRME	5.478	108.88	19529.2
	TERRAPLEN	0.652	13.21	14799.9	VEGETAL	2.436	48.84	13552.8
	FIRME	10.030	189.56	39541.6	D TIERRA	4.540	74.24	24760.8
101720.000	SUELO EST3	6.713	128.96	28495.3	D FIRME	5.530	110.07	19639.3
	TERRAPLEN	0.001	6.53	14806.5	VEGETAL	3.011	54.48	13607.2
	FIRME	8.730	187.60	39729.2	D TIERRA	3.124	76.64	24837.4
	SUELO EST3	5.151	118.64	28613.9	D FIRME	3.280	88.09	19727.4
101740.000	TERRAPLEN	0.012	0.13	14806.6	VEGETAL	2.956	59.68	13666.9
	FIRME	10.264	189.94	39919.1	D TIERRA	3.050	61.74	24899.1
	SUELO EST3	6.935	120.85	28734.8	D FIRME	6.083	93.62	19821.0

TERRAPLEN 0.061 0.74 14807.3 VEGETAL 2.976 59.32 13726.2
Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 25
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

101780.000	FIRME	10.496		207.59		40126.7		D TIERRA	3.449		64.99		24964.1	
	SUELO EST3	7.083		140.18		28875.0		D FIRME	6.094		121.77		19942.7	
	TERRAPLEN	0.211		2.72		14810.1		VEGETAL	2.985		59.61		13785.8	
101800.000	FIRME	10.727		212.23		40338.9		D TIERRA	3.910		73.60		25037.7	
	SUELO EST3	7.235		143.18		29018.1		D FIRME	5.893		119.87		20062.6	
	TERRAPLEN	0.458		6.69		14816.7		VEGETAL	3.027		60.12		13846.0	
101820.000	FIRME	10.768		214.95		40553.9		D TIERRA	4.232		81.43		25119.2	
	SUELO EST3	6.803		140.37		29158.5		D FIRME	5.309		112.03		20174.6	
	TERRAPLEN	0.582		10.39		14827.1		VEGETAL	2.850		58.77		13904.7	
101840.000	FIRME	10.900		216.68		40770.6		D TIERRA	5.812		100.45		25219.6	
	SUELO EST3	7.107		139.10		29297.6		D FIRME	5.041		103.50		20278.1	
	TERRAPLEN	0.388		9.69		14836.8		VEGETAL	3.115		59.65		13964.4	
101860.000	FIRME	10.946		218.46		40989.0		D TIERRA	7.476		132.88		25352.5	
	SUELO EST3	7.124		142.31		29439.9		D FIRME	4.676		97.17		20375.3	
	TERRAPLEN	0.003		3.91		14840.7		VEGETAL	3.334		64.49		14028.9	
101880.000	FIRME	11.006		219.53		41208.6		D TIERRA	9.020		164.96		25517.4	
	SUELO EST3	7.150		142.74		29582.6		D FIRME	4.558		92.34		20467.6	
	TERRAPLEN	0.020		0.23		14841.0		VEGETAL	3.387		67.21		14096.1	
101900.000	FIRME	10.885		218.91		41427.5		D TIERRA	9.461		184.81		25702.3	
	SUELO EST3	7.066		142.15		29724.8		D FIRME	4.409		89.67		20557.3	
	TERRAPLEN	0.002		0.22		14841.2		VEGETAL	3.237		66.24		14162.3	
101920.000	FIRME	10.593		214.78		41642.2		D TIERRA	9.021		184.82		25887.1	
	SUELO EST3	6.196		132.62		29857.4		D FIRME	3.948		83.57		20640.9	
	TERRAPLEN	0.000		0.02		14841.2		VEGETAL	3.070		63.07		14225.4	
101940.000	FIRME	10.618		212.11		41854.4		D TIERRA	8.834		178.55		26065.6	
	SUELO EST3	6.140		123.36		29980.8		D FIRME	3.717		76.65		20717.5	
	VEGETAL	2.866		59.36		14284.8								
101960.000	FIRME	10.715		213.33		42067.7		D TIERRA	8.124		169.58		26235.2	
	SUELO EST3	6.102		122.42		30103.2		D FIRME	3.827		75.45		20793.0	
	TERRAPLEN	0.030		0.30		14841.5		VEGETAL	2.603		54.69		14339.5	
101980.000	FIRME	10.824		215.39		42283.1		D TIERRA	7.286		154.10		26389.3	
	SUELO EST3	6.070		121.72		30224.9		D FIRME	4.005		78.32		20871.3	
	TERRAPLEN	0.082		1.12		14842.6		VEGETAL	2.283		48.86		14388.3	
102000.000	FIRME	10.914		217.38		42500.5		D TIERRA	7.463		147.49		26536.8	
	SUELO EST3	5.928		119.98		30344.9		D FIRME	5.348		93.53		20964.8	
	TERRAPLEN	0.049		1.31		14843.9		VEGETAL	1.962		42.45		14430.8	

102200.000	FIRME	9.879	193.77	44530.3	D TIERRA	4.768	96.05	27856.9
	SUELO EST3	6.496	127.64	31645.4	D FIRME	5.139	104.06	22044.6
	EXCAVA SANE0	12.531	240.47	9190.2	TERRAP SANE0	12.531	240.47	9352.7
	VEGETAL	2.961	56.80	15013.5				
102220.000	FIRME	9.962	198.41	44728.7	D TIERRA	4.083	88.51	27945.4
	SUELO EST3	6.606	131.01	31776.4	D FIRME	5.068	102.07	22146.6
	TERRAPLEN	0.034	0.34	14849.6	EXCAVA SANE0	12.944	254.75	9445.0
	TERRAP SANE0	12.944	254.75	9607.4	VEGETAL	3.045	60.06	15073.6
102240.000	FIRME	9.160	191.22	44919.9	D TIERRA	1.107	51.90	27997.3
	SUELO EST3	5.390	119.96	31896.3	D FIRME	6.496	115.64	22262.3
	TERRAPLEN	0.054	0.87	14850.4	EXCAVA SANE0	7.204	201.47	9646.5
	TERRAP SANE0	7.204	201.48	9808.9	VEGETAL	1.501	45.46	15119.0
102260.000	FIRME	8.634	177.94	45097.8	D TIERRA	0.737	18.45	28015.7
	SUELO EST3	4.813	102.03	31998.4	D FIRME	5.625	121.21	22383.5
	TERRAPLEN	0.076	1.29	14851.7	EXCAVA SANE0	7.180	143.84	9790.3
	TERRAP SANE0	7.180	143.84	9952.7	VEGETAL	1.496	29.97	15149.0
102280.000	FIRME	8.167	168.00	45265.9	D TIERRA	0.723	14.61	28030.3
	SUELO EST3	5.080	98.93	32097.3	D FIRME	5.484	111.09	22494.6
	TERRAPLEN	0.140	2.16	14853.9	EXCAVA SANE0	7.516	146.96	9937.3
	TERRAP SANE0	7.516	146.96	10099.7	VEGETAL	1.566	30.61	15179.6
102300.000	FIRME	7.885	160.52	45426.4	D TIERRA	0.975	16.98	28047.3
	SUELO EST3	4.489	95.70	32193.0	D FIRME	4.400	98.84	22593.4
	TERRAPLEN	0.260	4.00	14857.9	EXCAVA SANE0	8.183	156.99	10094.2
	TERRAP SANE0	8.183	156.99	10256.7	VEGETAL	1.705	32.71	15212.3
102320.000	FIRME	7.403	152.88	45579.3	D TIERRA	1.162	21.37	28068.7
	SUELO EST3	4.045	85.35	32278.3	D FIRME	4.016	84.16	22677.6
	TERRAPLEN	0.260	5.20	14863.1	EXCAVA SANE0	7.372	155.56	10249.8
	TERRAP SANE0	7.372	155.56	10412.2	VEGETAL	1.536	32.41	15244.7
102340.000	FIRME	7.071	144.74	45724.0	D TIERRA	1.312	24.74	28093.4
	SUELO EST3	3.907	79.52	32357.8	D FIRME	3.808	78.24	22755.8
	TERRAPLEN	0.218	4.78	14867.9	EXCAVA SANE0	7.212	145.85	10395.6
	TERRAP SANE0	7.212	145.85	10558.1	VEGETAL	1.503	30.38	15275.1
102360.000	FIRME	7.438	145.09	45869.1	D TIERRA	1.507	28.19	28121.6
	SUELO EST3	4.397	83.04	32440.9	D FIRME	3.908	77.15	22833.0
	TERRAPLEN	1.009	12.27	14880.1	EXCAVA SANE0	8.892	161.04	10556.7
	TERRAP SANE0	8.892	161.04	10719.1	VEGETAL	1.854	33.56	15308.7

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 28

PROYECTO : EJE: 1: Autov de Castilla A-62: Dues-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102380.000	FIRME	8.537	159.75	46028.8	D TIERRA	1.597	31.04	28152.7
	SUELO EST3	5.143	95.40	32536.3	D FIRME	4.861	87.69	22920.6
	TERRAPLEN	1.396	24.05	14904.2	EXCAVA SANE0	9.406	182.98	10739.7
	TERRAP SANE0	9.406	182.98	10902.1	VEGETAL	2.253	41.07	15349.7
102400.000	FIRME	8.367	169.04	46197.9	D TIERRA	1.880	34.77	28187.4
	SUELO EST3	5.472	106.15	32642.4	D FIRME	4.122	89.83	23010.5
	TERRAPLEN	1.859	32.55	14936.7	EXCAVA SANE0	12.355	217.61	10957.3
	TERRAP SANE0	12.355	217.61	11119.7	VEGETAL	2.574	48.27	15398.0
102420.000	FIRME	8.428	167.94	46365.8	D TIERRA	2.906	47.85	28235.3
	SUELO EST3	5.522	109.94	32752.4	D FIRME	3.566	76.88	23087.4
	TERRAPLEN	1.296	31.55	14968.3	EXCAVA SANE0	13.962	263.17	11220.4
	TERRAP SANE0	13.962	263.17	11382.9	VEGETAL	2.909	54.83	15452.8
102440.000	FIRME	8.450	168.78	46534.6	D TIERRA	3.484	63.90	28299.2
	SUELO EST3	5.535	110.57	32862.9	D FIRME	2.968	65.34	23152.7
	TERRAPLEN	0.919	22.15	14990.4	EXCAVA SANE0	15.464	294.25	11514.7
	TERRAP SANE0	15.464	294.25	11677.1	VEGETAL	3.222	61.30	15514.1
102460.000	FIRME	8.247	166.98	46701.6	D TIERRA	3.644	71.27	28370.4
	SUELO EST3	5.388	109.23	32972.2	D FIRME	2.123	50.91	23203.6
	TERRAPLEN	0.452	13.71	15004.1	EXCAVA SANE0	0.000	154.64	11669.3
	TERRAP SANE0	0.000	154.64	11831.8	VEGETAL	3.492	67.13	15581.3
102480.000	FIRME	8.192	164.40	46866.0	D TIERRA	3.611	72.54	28443.0
	SUELO EST3	5.352	107.40	33079.6	D FIRME	1.578	37.01	23240.6
	TERRAPLEN	0.442	8.94	15013.1	VEGETAL	3.731	72.23	15653.5
102500.000	FIRME	7.773	159.65	47025.6	D TIERRA	3.147	67.57	28510.6
	SUELO EST3	5.063	104.15	33183.7	D FIRME	0.574	21.52	23262.1
	TERRAPLEN	1.674	21.16	15034.2	VEGETAL	3.961	76.92	15730.4
102520.000	FIRME	7.819	155.91	47181.5	D TIERRA	2.760	59.07	28569.6
	SUELO EST3	5.118	101.81	33285.5	D FIRME	0.248	8.23	23270.4
	TERRAPLEN	1.574	32.48	15066.7	VEGETAL	4.152	81.13	15811.6
102540.000	FIRME	8.007	158.26	47339.8	D TIERRA	2.287	50.48	28620.1
	SUELO EST3	5.284	104.02	33389.5	D FIRME	0.022	2.71	23273.1
	TERRAPLEN	2.008	35.82	15102.5	VEGETAL	4.396	85.49	15897.1
102560.000	FIRME	8.293	163.00	47502.8	D TIERRA	3.178	54.65	28674.8
	SUELO EST3	5.463	107.48	33497.0	D FIRME	0.000	0.22	23273.3
	TERRAPLEN	1.429	34.37	15136.9	VEGETAL	4.590	89.86	15986.9
102580.000	FIRME	8.588	168.81	47671.6	D TIERRA	3.387	65.66	28740.4
	SUELO EST3	5.686	111.49	33608.5	TERRAPLEN	2.418	38.47	15175.4
	VEGETAL	4.776	93.65	16080.6				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 29

PROYECTO : EJE: 1: Autov de Castilla A-62: Dues-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102600.000	FIRME	8.849	174.36	47846.0	D TIERRA	2.208	55.95	28796.4
	SUELO EST3	5.958	116.44	33724.9	TERRAPLEN	2.793	52.11	15227.5
	VEGETAL	5.002	97.78	16178.3				
102620.000	FIRME	8.818	176.66	48022.6	D TIERRA	0.609	28.17	28824.5
	SUELO EST3	5.930	118.88	33843.8	TERRAPLEN	3.744	65.37	15292.9

102640.000	VEGETAL	4.977	99.80	16278.1				
	FIRME	10.328	191.46	48214.1	D TIERRA	1.310	19.19	28843.7
	SUELO EST3	6.847	127.77	33971.6	D FIRME	1.305	13.05	23286.3
	TERRAPLEN	2.998	67.42	15360.3	VEGETAL	5.072	100.49	16378.6
102660.000	FIRME	10.296	206.25	48420.3	D TIERRA	2.247	35.57	28879.3
	SUELO EST3	6.812	136.60	34108.2	D FIRME	1.383	26.88	23313.2
	TERRAPLEN	2.474	54.72	15415.0	VEGETAL	4.971	100.43	16479.1
102680.000	FIRME	10.248	205.45	48625.8	D TIERRA	2.446	46.94	28926.2
	SUELO EST3	6.761	135.73	34243.9	D FIRME	1.616	29.99	23343.2
	TERRAPLEN	2.300	47.74	15462.7	VEGETAL	4.832	98.03	16577.1
102700.000	FIRME	10.261	205.09	48830.9	D TIERRA	2.318	47.64	28973.9
	SUELO EST3	6.824	135.85	34379.8	D FIRME	1.561	31.77	23375.0
	TERRAPLEN	2.761	50.61	15513.3	VEGETAL	4.644	94.76	16671.9
102720.000	FIRME	10.225	204.86	49035.7	D TIERRA	1.419	37.37	29011.2
	SUELO EST3	6.762	135.86	34515.6	D FIRME	1.643	32.04	23407.0
	TERRAPLEN	3.126	58.87	15572.2	VEGETAL	4.459	91.04	16762.9
102740.000	FIRME	10.168	203.93	49239.7	D TIERRA	4.456	58.75	29070.0
	S SEL2	6.601	66.01	25804.5	SUELO EST3	6.687	134.49	34650.1
	D FIRME	2.748	43.91	23450.9	TERRAPLEN	1.069	41.95	15614.2
	VEGETAL	4.217	86.76	16849.7				
102760.000	FIRME	10.589	207.57	49447.2	D TIERRA	4.789	92.45	29162.4
	S SEL2	6.868	134.69	25939.1	SUELO EST3	6.953	136.41	34786.5
	D FIRME	3.831	65.79	23516.7	TERRAPLEN	2.217	32.86	15647.0
	VEGETAL	3.942	81.59	16931.2				
102780.000	FIRME	10.171	207.60	49654.8	D TIERRA	2.122	69.11	29231.6
	S SEL2	6.669	135.37	26074.5	SUELO EST3	6.755	137.08	34923.2
	D FIRME	3.863	76.94	23593.7	TERRAPLEN	3.389	56.06	15703.1
	VEGETAL	3.663	76.05	17007.3				
102800.000	FIRME	10.161	203.33	49858.2	D TIERRA	2.268	43.90	29275.5
	S SEL2	6.706	133.75	26208.3	SUELO EST3	6.789	135.43	35059.0
	D FIRME	4.512	83.76	23677.4	TERRAPLEN	3.015	64.04	15767.1
	VEGETAL	3.328	69.91	17077.2				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 30

PROYECTO : EJE: 1: Autov de Castilla A-62: Dues-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

102820.000	FIRME	10.158	203.20	50061.4	D TIERRA	2.205	44.73	29320.2
	S SEL2	6.700	134.06	26342.3	SUELO EST3	6.784	135.73	35194.8
	D FIRME	5.180	96.92	23774.4	TERRAPLEN	2.289	53.04	15820.1
	VEGETAL	3.068	63.96	17141.2				
102840.000	FIRME	10.159	203.17	50264.5	D TIERRA	2.028	42.33	29362.5
	S SEL2	6.980	136.79	26479.1	SUELO EST3	6.869	136.53	35331.3
	D FIRME	5.239	104.19	23878.5	TERRAPLEN	1.652	39.41	15859.6
	VEGETAL	3.220	62.87	17204.0				
102860.000	FIRME	10.065	202.24	50466.8	D TIERRA	1.633	36.61	29399.1
	S SEL2	6.952	139.32	26618.4	SUELO EST3	6.804	136.73	35468.0
	D FIRME	5.156	103.95	23982.5	TERRAPLEN	2.132	37.85	15897.4
	VEGETAL	3.296	65.16	17269.2				
102880.000	FIRME	9.834	199.00	50665.8	D TIERRA	1.930	35.62	29434.8
	S SEL2	6.798	137.50	26755.9	SUELO EST3	6.648	134.52	35602.6
	D FIRME	5.155	103.11	24085.6	TERRAPLEN	1.823	39.55	15936.9
	VEGETAL	3.154	64.50	17333.7				
102900.000	FIRME	9.604	194.38	50860.2	D TIERRA	2.311	42.40	29477.2
	S SEL2	6.595	133.93	26889.9	SUELO EST3	6.499	131.47	35734.0
	D FIRME	5.131	102.86	24188.5	TERRAPLEN	1.533	33.56	15970.5
	VEGETAL	2.953	61.07	17394.8				
102920.000	FIRME	9.374	189.78	51049.9	D TIERRA	1.908	42.18	29519.3
	S SEL2	6.438	130.33	27020.2	SUELO EST3	6.347	128.46	35862.5
	D FIRME	5.093	102.25	24290.7	TERRAPLEN	1.836	33.69	16004.2
	VEGETAL	2.841	57.94	17452.7				
102940.000	FIRME	9.143	185.17	51235.1	D TIERRA	1.468	33.76	29553.1
	S SEL2	6.309	127.48	27147.7	SUELO EST3	6.193	125.39	35987.9
	D FIRME	5.079	101.73	24392.4	TERRAPLEN	1.388	32.24	16036.4
	VEGETAL	2.744	55.85	17508.6				
102960.000	FIRME	8.914	180.57	51415.7	D TIERRA	1.853	33.21	29586.3
	S SEL2	6.112	124.21	27271.9	SUELO EST3	6.041	122.34	36110.2
	D FIRME	4.999	100.79	24493.2	TERRAPLEN	0.809	21.98	16058.4
	VEGETAL	2.569	53.13	17561.7				
102980.000	FIRME	8.684	175.98	51591.7	D TIERRA	0.935	27.87	29614.2
	S SEL2	5.951	120.63	27392.5	SUELO EST3	5.887	119.27	36229.5
	D FIRME	5.084	100.83	24594.1	TERRAPLEN	0.742	15.51	16073.9
	VEGETAL	2.418	49.87	17611.6				

103060.000	FIRME	9.687	183.06	52292.3	D TIERRA	5.059	75.01	29787.5
	S SEL2	6.214	119.36	27861.8	SUELO EST3	6.301	120.93	36700.6
	D FIRME	5.256	104.61	25010.5	TERRAPLEN	0.971	23.83	16175.7
	VEGETAL	2.869	51.20	17800.8				
103080.000	FIRME	9.691	193.78	52486.1	D TIERRA	5.454	105.12	29892.7
	S SEL2	6.219	124.33	27986.1	SUELO EST3	6.303	126.04	36826.6
	D FIRME	5.243	105.00	25115.5	TERRAPLEN	0.696	16.67	16192.4
	VEGETAL	2.839	57.08	17857.8				
103100.000	FIRME	9.247	189.38	52675.4	D TIERRA	5.767	112.21	30004.9
	S SEL2	5.988	122.07	28108.2	SUELO EST3	6.074	123.77	36950.4
	D FIRME	5.223	104.67	25220.2	TERRAPLEN	0.298	9.94	16202.3
	VEGETAL	2.606	54.45	17912.3				
103120.000	FIRME	8.643	178.90	52854.3	D TIERRA	3.876	96.43	30101.3
	S SEL2	5.692	116.80	28225.0	SUELO EST3	5.778	118.51	37068.9
	D FIRME	5.242	104.65	25324.8	TERRAPLEN	0.103	4.01	16206.4
	VEGETAL	2.224	48.31	17960.6				
103140.000	FIRME	8.650	172.94	53027.3	D TIERRA	4.100	79.76	30181.1
	S SEL2	5.756	114.48	28339.5	SUELO EST3	5.829	116.07	37185.0
	D FIRME	5.148	103.89	25428.7	TERRAPLEN	0.032	1.35	16207.7
	VEGETAL	2.306	45.31	18005.9				
103160.000	FIRME	8.656	173.06	53200.3	D TIERRA	3.398	74.98	30256.0
	S SEL2	5.699	114.56	28454.0	SUELO EST3	5.784	116.13	37301.1
	D FIRME	5.168	103.16	25531.9	TERRAPLEN	0.065	0.97	16208.7
	VEGETAL	2.268	45.74	18051.6				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 32
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

103180.000	FIRME	8.661	173.17	53373.5	D TIERRA	3.502	69.00	30325.0
	S SEL2	5.784	114.83	28568.9	SUELO EST3	5.849	116.34	37417.4
	D FIRME	5.212	103.81	25635.7	TERRAPLEN	0.635	7.00	16215.7
	VEGETAL	2.292	45.60	18097.2				
103200.000	FIRME	8.383	170.44	53543.9	D TIERRA	3.312	68.14	30393.2
	S SEL2	4.603	103.87	28672.7	SUELO EST3	4.672	105.21	37522.7
	D FIRME	3.665	88.77	25724.5	TERRAPLEN	0.463	10.98	16226.7
	VEGETAL	2.299	45.91	18143.1				
103220.000	FIRME	8.669	170.52	53714.5	D TIERRA	4.303	76.15	30469.3
	S SEL2	5.826	104.29	28777.0	SUELO EST3	5.875	105.47	37628.1
	D FIRME	5.235	89.01	25813.5	TERRAPLEN	0.232	6.95	16233.6
	VEGETAL	2.305	46.04	18189.2				
103240.000	FIRME	8.673	173.42	53887.9	D TIERRA	4.604	89.07	30558.4
	S SEL2	5.733	115.59	28892.6	SUELO EST3	5.817	116.92	37745.0
	D FIRME	5.234	104.69	25918.2	TERRAPLEN	0.155	3.87	16237.5
	VEGETAL	2.258	45.62	18234.8				
103260.000	FIRME	8.675	173.49	54061.4	D TIERRA	5.619	102.23	30660.6
	S SEL2	5.690	114.23	29006.8	SUELO EST3	5.776	115.92	37861.0
	D FIRME	5.248	104.82	26023.0	TERRAPLEN	0.055	2.10	16239.6
	VEGETAL	2.229	44.86	18279.7				
103280.000	FIRME	8.680	173.56	54234.9	D TIERRA	5.089	107.07	30767.7
	S SEL2	5.704	113.94	29120.8	SUELO EST3	5.789	115.64	37976.6
	D FIRME	5.334	105.82	26128.8	TERRAPLEN	0.038	0.93	16240.5
	VEGETAL	2.197	44.26	18323.9				
103300.000	FIRME	8.683	173.63	54408.6	D TIERRA	4.429	95.17	30862.9
	S SEL2	5.829	115.32	29236.1	SUELO EST3	5.886	116.75	38093.4
	D FIRME	5.311	106.44	26235.2	TERRAPLEN	0.728	7.66	16248.2
	VEGETAL	2.273	44.71	18368.6				
103320.000	FIRME	8.685	173.68	54582.2	D TIERRA	5.463	98.92	30961.8
	S SEL2	5.868	116.96	29353.1	SUELO EST3	5.904	117.90	38211.3
	D FIRME	5.291	106.02	26341.3	TERRAPLEN	0.617	13.45	16261.6
	VEGETAL	2.305	45.78	18414.4				
103340.000	FIRME	8.688	173.72	54756.0	D TIERRA	6.622	120.85	31082.6
	S SEL2	5.752	116.19	29469.2	SUELO EST3	5.837	117.40	38328.7
	D FIRME	5.238	105.29	26446.6	TERRAPLEN	0.159	7.76	16269.4
	VEGETAL	2.272	45.77	18460.2				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 33
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

103360.000	FIRME	8.691	173.78	54929.7	D TIERRA	7.542	141.64	31224.3
	S SEL2	5.770	115.22	29584.5	SUELO EST3	5.852	116.89	38445.6
	D FIRME	5.247	104.85	26551.4	TERRAPLEN	0.045	2.05	16271.4
	VEGETAL	2.278	45.51	18505.7				
103380.000	FIRME	8.690	173.81	55103.6	D TIERRA	7.599	151.41	31375.7
	S SEL2	5.713	114.84	29699.3	SUELO EST3	5.800	116.52	38562.1
	D FIRME	5.239	104.86	26656.3	TERRAPLEN	0.039	0.84	16272.3
	VEGETAL	2.251	45.29	18551.0				
103400.000	FIRME	8.685	173.75	55277.3	D TIERRA	8.679	162.77	31538.5
	S SEL2	5.680	113.93	29813.2	SUELO EST3	5.766	115.66	38677.7
	D FIRME	5.243	104.81	26761.1	TERRAPLEN	0.016	0.55	16272.8
	VEGETAL	2.222	44.73	18595.7				
103420.000	FIRME	8.679	173.63	55450.9	D TIERRA	8.594	172.73	31711.2
	S SEL2	5.662	113.42	29926.7	SUELO EST3	5.748	115.14	38792.9
	D FIRME	5.264	105.06	26866.1	TERRAPLEN	0.009	0.26	16273.1
	VEGETAL	2.196	44.18	18639.9				
103440.000	FIRME	8.681	173.59	55624.5	D TIERRA	7.475	160.69	31871.9
	S SEL2	5.731	113.93	30040.6	SUELO EST3	5.816	115.64	38908.5
	D FIRME	5.287	105.50	26971.6	TERRAPLEN	0.097	1.06	16274.1
	VEGETAL	2.236	44.32	18684.2				

103460.000	FIRME	8.626	173.06	55797.6	D TIERRA	7.246	147.21	32019.1
	S SEL2	5.816	115.47	30156.1	SUELO EST3	5.853	116.69	39025.2
	D FIRME	5.297	105.84	27077.5	TERRAPLEN	0.457	5.54	16279.7
	VEGETAL	2.258	44.95	18729.2				
103480.000	FIRME	8.576	172.02	55969.6	D TIERRA	7.719	149.65	32168.7
	S SEL2	5.683	115.00	30271.1	SUELO EST3	5.762	116.14	39141.4
	D FIRME	5.294	105.91	27183.4	TERRAPLEN	0.113	5.70	16285.4
	VEGETAL	2.178	44.36	18773.5				
103500.000	FIRME	9.654	182.31	56151.9	D TIERRA	9.437	171.55	32340.3
	S SEL2	6.171	118.54	30389.6	SUELO EST3	6.257	120.19	39261.5
	D FIRME	5.293	105.86	27289.3	TERRAPLEN	0.039	1.52	16286.9
	VEGETAL	2.907	50.85	18824.4				
103520.000	FIRME	9.653	193.07	56345.0	D TIERRA	9.164	186.01	32526.3
	S SEL2	6.168	123.39	30513.0	SUELO EST3	6.257	125.14	39386.7
	D FIRME	5.295	105.88	27395.1	TERRAPLEN	0.198	2.36	16289.2
	VEGETAL	3.051	59.57	18883.9				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 34
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

103540.000	FIRME	9.651	193.04	56538.0	D TIERRA	11.878	210.42	32736.7
	S SEL2	6.169	123.37	30636.4	SUELO EST3	6.255	125.12	39511.8
	D FIRME	5.293	105.88	27501.0	TERRAPLEN	0.141	3.39	16292.6
	VEGETAL	3.167	62.18	18946.1				
103560.000	FIRME	9.649	193.00	56731.0	D TIERRA	9.629	215.07	32951.8
	S SEL2	6.168	123.37	30759.7	SUELO EST3	6.255	125.10	39636.9
	D FIRME	5.318	106.12	27607.1	TERRAPLEN	0.027	1.68	16294.3
	VEGETAL	2.934	61.01	19007.1				
103580.000	FIRME	9.649	192.98	56924.0	D TIERRA	9.323	189.52	33141.3
	S SEL2	6.165	123.34	30883.1	SUELO EST3	6.254	125.09	39762.0
	D FIRME	5.289	106.08	27713.2	TERRAPLEN	0.086	1.13	16295.4
	VEGETAL	2.928	58.62	19065.8				
103600.000	FIRME	9.647	192.96	57117.0	D TIERRA	9.242	185.65	33327.0
	S SEL2	6.166	123.31	31006.4	SUELO EST3	6.252	125.06	39887.0
	D FIRME	5.237	105.26	27818.5	TERRAPLEN	0.006	0.91	16296.3
	VEGETAL	2.821	57.49	19123.2				
103620.000	FIRME	9.646	192.93	57309.9	D TIERRA	8.518	177.60	33504.6
	S SEL2	6.165	123.31	31129.7	SUELO EST3	6.251	125.03	40012.1
	D FIRME	5.219	104.56	27923.0	TERRAPLEN	0.292	2.98	16299.3
	VEGETAL	2.841	56.62	19179.9				
103640.000	FIRME	9.644	192.90	57502.8	D TIERRA	7.216	157.33	33661.9
	S SEL2	6.165	123.29	31253.0	SUELO EST3	6.250	125.01	40137.1
	D FIRME	5.228	104.47	28027.5	TERRAPLEN	0.222	5.15	16304.5
	VEGETAL	2.832	56.73	19236.6				
103660.000	FIRME	8.564	182.08	57684.9	D TIERRA	5.454	126.70	33788.6</

103860.000	FIRME	8.563	171.20	59378.5	D TIERRA	4.947	96.58	34949.0
	S SEL2	5.805	116.21	32490.7	SUELO EST3	5.807	116.12	41386.5
	D FIRME	5.181	103.44	29134.0	TERRAPLEN	0.623	13.56	16353.8
	VEGETAL	2.294	46.00	19735.0				
103880.000	FIRME	8.338	169.01	59547.5	D TIERRA	4.280	92.27	35041.3
	S SEL2	4.787	105.92	32596.6	SUELO EST3	4.820	106.27	41492.8
	D FIRME	3.939	91.20	29225.2	TERRAPLEN	0.429	10.52	16364.3
	VEGETAL	2.287	45.81	19780.8				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 36
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
103900.000	FIRME	8.573	169.11	59716.6	D TIERRA	5.502	97.83	35139.1
	S SEL2	5.826	106.13	32702.8	SUELO EST3	5.817	106.37	41599.2
	D FIRME	5.193	91.32	29316.5	TERRAPLEN	0.452	8.82	16373.2
	VEGETAL	2.302	45.89	19826.7				
103920.000	FIRME	8.577	171.50	59888.1	D TIERRA	5.364	108.66	35247.8
	S SEL2	5.846	116.71	32819.5	SUELO EST3	5.821	116.39	41715.6
	D FIRME	5.192	103.85	29420.3	TERRAPLEN	0.456	9.08	16382.2
	VEGETAL	2.313	46.15	19872.8				
103940.000	FIRME	8.581	171.58	60059.7	D TIERRA	5.722	110.87	35358.7
	S SEL2	5.841	116.87	32936.3	SUELO EST3	5.825	116.47	41832.0
	D FIRME	5.179	103.71	29524.0	TERRAPLEN	0.477	9.33	16391.6
	VEGETAL	2.320	46.33	19919.2				
103960.000	FIRME	8.584	171.65	60231.4	D TIERRA	5.713	114.35	35473.0
	S SEL2	5.843	116.84	33053.2	SUELO EST3	5.828	116.54	41948.6
	D FIRME	5.115	102.94	29627.0	TERRAPLEN	0.461	9.38	16400.9
	VEGETAL	2.354	46.73	19965.9				
103980.000	FIRME	8.589	171.74	60403.1	D TIERRA	5.891	116.04	35589.1
	S SEL2	5.865	117.08	33170.3	SUELO EST3	5.832	116.60	42065.2
	D FIRME	5.136	102.51	29729.5	TERRAPLEN	0.426	8.87	16409.8
	VEGETAL	2.355	47.09	20013.0				
104000.000	FIRME	8.632	172.21	60575.3	D TIERRA	6.579	124.70	35713.8
	S SEL2	5.700	115.65	33285.9	SUELO EST3	5.783	116.15	42181.3
	D FIRME	5.458	105.94	29835.4	TERRAPLEN	0.556	9.82	16419.6
	VEGETAL	2.196	45.51	20058.5				
104020.000	FIRME	8.647	172.79	60748.1	D TIERRA	6.759	133.38	35847.1
	S SEL2	5.750	114.50	33400.4	SUELO EST3	5.826	116.09	42297.4
	D FIRME	5.457	109.15	29944.6	TERRAPLEN	0.246	8.02	16427.7
	VEGETAL	2.206	44.02	20102.5				
104040.000	FIRME	8.642	172.89	60921.0	D TIERRA	7.269	140.28	35987.4
	S SEL2	5.812	115.62	33516.0	SUELO EST3	5.856	116.81	42414.2
	D FIRME	5.547	110.04	30054.6	TERRAPLEN	0.262	5.08	16432.7
	VEGETAL	2.147	43.54	20146.0				
104060.000	FIRME	8.602	172.44	61093.4	D TIERRA	6.452	137.21	36124.6
	S SEL2	5.788	116.00	33632.0	SUELO EST3	5.828	116.84	42531.1
	D FIRME	5.225	107.71	30162.3	TERRAPLEN	0.378	6.40	16439.1
	VEGETAL	2.274	44.21	20190.3				

Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 37
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104080.000	FIRME	8.595	171.97	61265.4	D TIERRA	6.690	131.42	36256.1
	S SEL2	5.712	115.00	33747.0	SUELO EST3	5.785	116.13	42647.2
	D FIRME	5.229	104.54	30266.9	TERRAPLEN	0.073	4.51	16443.6
	EXCAVA SANE0	5.280	52.80	11722.2	TERRAP SANE0	5.280	52.80	11884.7
104100.000	VEGETAL	2.183	44.57	20234.8				
	FIRME	8.595	171.91	61437.3	D TIERRA	6.595	132.85	36388.9
	S SEL2	5.735	114.47	33861.5	SUELO EST3	5.802	115.87	42763.1
	D FIRME	5.249	104.78	30371.6	TERRAPLEN	0.416	4.89	16448.5
104120.000	EXCAVA SANE0	5.218	104.98	11827.2	TERRAP SANE0	5.218	104.98	11989.6
	VEGETAL	2.157	43.40	20278.2				
	FIRME	9.672	182.67	61620.0	D TIERRA	8.878	154.73	36543.6
	S SEL2	6.188	119.23	33980.7	SUELO EST3	6.274	120.76	42883.8
104140.000	D FIRME	5.262	105.11	30476.7	TERRAPLEN	0.136	5.52	16454.0
	EXCAVA SANE0	4.777	99.95	11927.1	TERRAP SANE0	4.777	99.95	12089.6
	VEGETAL	2.932	50.89	20329.1				
	FIRME	9.666	193.38	61813.3	D TIERRA	10.065	189.43	36733.1
104160.000	S SEL2	6.181	123.69	34104.4	SUELO EST3	6.269	125.44	43009.3
	D FIRME	5.231	104.93	30581.7	TERRAPLEN	0.039	1.75	16455.8
	EXCAVA SANE0	0.000	47.77	11974.9	TERRAP SANE0	0.000	47.77	12137.4
	VEGETAL	3.030	59.62	20388.7				
104180.000	FIRME	9.661	193.27	62006.6	D TIERRA	10.297	203.62	36936.7
	S SEL2	6.178	123.59	34228.0	SUELO EST3	6.265	125.34	43134.6
	D FIRME	5.247	104.78	30686.5	TERRAPLEN	0.031	0.71	16456.5
	VEGETAL	3.052	60.82	20449.6				
104200.000	FIRME	9.655	193.17	62199.8	D TIERRA	9.421	197.18	37133.9
	S SEL2	6.173	123.51	34351.5	SUELO EST3	6.259	125.24	43259.8
	D FIRME	5.247	104.94	30791.4	TERRAPLEN	0.034	0.66	16457.2
	VEGETAL	3.033	60.85	20510.4				
104220.000	FIRME	9.650	193.06	62392.8	D TIERRA	8.559	179.79	37313.7
	S SEL2	6.169	123.42	34474.9	SUELO EST3	6.254	125.14	43385.0
	D FIRME	5.231	104.78	30896.2	TERRAPLEN	0.056	0.91	16458.1
	EXCAVA SANE0	4.914	49.14	12024.0	TERRAP SANE0	4.914	49.14	12186.5
104240.000	VEGETAL	2.986	60.19	20570.6				
	FIRME	9.647	192.97	62585.8	D TIERRA	8.189	167.48	37481.1
	S SEL2	6.166	123.35	34598.3	SUELO EST3	6.252	125.06	43510.0
	D FIRME	5.209	104.41	31000.6	TERRAPLEN	0.049	1.05	16459.1

EXCAVA SANE0	4.942	98.55	12122.6	TERRAP SANE0	4.942	98.55	12285.0
VEGETAL	2.964	59.49	20630.1				
Istram 18.05.05.29 17/07/18 18:00:28 459 pagina 38							
PROYECTO : EJE: 1: Autov ^{da} de Castilla A-62: Due ^{ña} s-Cigales Dch.							

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104240.000	FIRME	8.448	180.95	62766.8	D TIERRA	6.415	146.04	37627.2
	S SEL2	4.870	110.36	34708.6	SUELO EST3	4.958	112.10	42622.1
	D FIRME	3.201	84.11	31084.7	TERRAPLEN	0.086	1.35	16460.5
	EXCAVA SANE0	4.952	98.94	12221.5	TERRAP SANE0	4.952	98.94	12384.0
104260.000	VEGETAL	2.890	58.54	20688.6				
	FIRME	7.554	160.03	62926.8	D TIERRA	4.378	107.93	37735.1
	S SEL2	4.555	94.25	34802.9	SUELO EST3	4.639	95.97	43718.1
	D FIRME	3.497	66.98	31151.7	TERRAPLEN	0.291	3.77	16464.2
104280.000	EXCAVA SANE0	5.152	101.04	12322.6	TERRAP SANE0	5.152	101.04	12485.0
	VEGETAL	2.152	50.43	20739.1				
	FIRME	8.560	161.15	63087.9	D TIERRA	5.846	102.24	37837.3
	S SEL2	5.663	102.18	34905.1	SUELO EST3	5.742	103.81	43821.9
104300.000	D FIRME	5.238	87.35	31239.0	TERRAPLEN	0.352	6.44	16470.7
	EXCAVA SANE0	5.122	102.73	12425.3	TERRAP SANE0	5.122	102.73	12587.8
	VEGETAL	2.144	42.96	20782.0				
	FIRME	8.558	171.19	63259.1	D TIERRA	6.107	119.53	37956.9
104320.000	S SEL2	5.594	112.56	35017.6	SUELO EST3	5.681	114.23	42936.2
	D FIRME	5.246	104.84	31343.8	TERRAPLEN	0.102	4.54	16475.2
	EXCAVA SANE0	4.999	101.21	12526.5	TERRAP SANE0	4.999	101.21	12689.0
	VEGETAL	2.106	42.50	20824.5				
104340.000	FIRME	7.624	161.82	63420.9	D TIERRA	4.500	106.07	38062.9
	S SEL2	4.482	100.76	35118.4	SUELO EST3	4.571	102.51	44038.7
	D FIRME	3.475	87.20	31431.1	TERRAPLEN	0.049	1.51	16476.7
	EXCAVA SANE0	5.049	100.48	12627.0	TERRAP SANE0	5.049	100.48	12789.5
104360.000	VEGETAL	2.122	42.28	20866.8				
	FIRME	8.553	161.77	63582.7	D TIERRA	5.949	104.49	38167.4
	S SEL2	5.646	101.28	35219.7	SUELO EST3	5.728	102.99	44141.7
	D FIRME	5.206	86.81	31517.9	TERRAPLEN	0.113	1.62	16478.3
104380.000	EXCAVA SANE0	5.169	102.18	12729.2	TERRAP SANE0	5.169	102.18	12891.6
	VEGETAL	2.156	42.78	20909.6				
	FIRME	8.550	171.03	63753.7	D TIERRA	6.010	119.58	38287.0
	S SEL2	5.642	112.88	35332.6	SUELO EST3	5.724	114.53	44256.2
104400.000	D FIRME	5.202	104.08	31621.9	TERRAPLEN	0.169	2.82	16481.2
	EXCAVA SANE0	5.161	103.30	12832.5	TERRAP SANE0	5.161	103.30	12994.9
	VEGETAL	2.153	43.08	20952.7				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 39
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

104380.000	FIRME	8.548	170.98	63924.7	D TIERRA	6.261	122.70	38409.7
	S SEL2	5.600	112.42	35445.0	SUELO EST3	5.686	114.10	44370.3
	D FIRME	5.208	104.10	31726.0	TERRAPLEN	0.140	3.09	16484.3
	EXCAVA SANE0	5.063	102.23	12934.7	TERRAP SANE0	5.063	102.23	13097.2
	VEGETAL	2.127	42.80	20995.5				
104400.000	FIRME	8.543	170.91	64095.6	D TIERRA	7.031	132.91	38542.6
	S SEL2	5.562	111.62	35556.6	SUELO EST3	5.649	113.34	44483.6
	D FIRME	5.197	104.05	31830.1	TERRAPLEN	0.117	2.57	16486.8
	EXCAVA SANE0	5.577	106.40	13041.1	TERRAP SANE0	5.577	106.40	13203.6
	VEGETAL	2.147	42.74	21038.2				
104420.000	FIRME	8.543	170.85	64266.5	D TIERRA	7.397	144.28	38686.9
	S SEL2	5.584	111.47	35668.1	SUELO EST3	5.671	113.20	44596.8
	D FIRME	5.188	103.86	31934.0	TERRAPLEN	0.100	2.18	16489.0
	EXCAVA SANE0	5.643	112.20	13153.3	TERRAP SANE0	5.643	112.20	13315.8
	VEGETAL	2.170	43.18	21081.4				
104440.000	FIRME	8.540	170.83	64437.3	D TIERRA	7.358	147.54	38834.4
	S SEL2	5.586	111.70	35779.8	SUELO EST3	5.673	113.44	44710.3
	D FIRME	5.215	104.03	32038.0	TERRAPLEN	0.092	1.93	16490.9
	EXCAVA SANE0	5.611	112.54	13265.9	TERRAP SANE0	5.611	112.54	13428.3
	VEGETAL	2.158	43.29	21124.7				
104460.000	FIRME	8.538	170.78	64608.1	D TIERRA	6.820	141.78	38976.2
	S SEL2	5.607	111.93	35891.7	SUELO EST3	5.692	113.65	44823.9
	D FIRME	5.203	104.18	32142.2	TERRAPLEN	0.018	1.10	16492.0
	EXCAVA SANE0	5.087	106.99	13372.8	TERRAP SANE0	5.087	106.99	13535.3
	VEGETAL	2.137	42.95	21167.6				
104480.000	FIRME	8.534	170.72	64778.8	D TIERRA	6.529	133.50	39109.7
	S SEL2	5.638	112.45	36004.2	SUELO EST3	5.719	114.11	44938.0
	D FIRME	5.211	104.14	32246.3	TERRAPLEN	0.034	0.52	16492.6
	EXCAVA SANE0	5.145	102.32	13475.2	TERRAP SANE0	5.145	102.32	13637.6
	VEGETAL	2.149	42.86	21210.5				
104500.000	FIRME	8.533	170.67	64949.5	D TIERRA	6.997	135.27	39245.0
	S SEL2	5.628	112.67	36116.8	SUELO EST3	5.710	114.29	45052.3
	D FIRME	5.232	104.43	32350.7	TERRAPLEN	0.012	0.46	16493.0
	EXCAVA SANE0	5.096	102.41	13577.6	TERRAP SANE0	5.096	102.41	13740.0
	VEGETAL	2.133	42.82	21253.3				

104520.000	FIRME	8.531	170.63	65120.1	D TIERRA	6.548	135.46	39380.4
	S SEL2	5.643	112.72	36229.5	SUELO EST3	5.721	114.31	45166.6
	D FIRME	5.211	104.43	32455.2	TERRAPLEN	0.034	0.45	16493.5
	EXCAVA SANE0	5.156	102.53	13680.1	TERRAP SANE0	5.156	102.53	13842.6
	VEGETAL	2.150	42.84	21296.1				
104540.000	FIRME	8.528	170.58	65290.7	D TIERRA	6.688	132.36	39512.8
	S SEL2	5.671	113.15	36342.7	SUELO EST3	5.740	114.60	45281.2
	D FIRME	5.211	104.22	32559.4	TERRAPLEN	0.063	0.96	16494.4
	EXCAVA SANE0	5.216	103.72	13783.8	TERRAP SANE0	5.216	103.72	13946.3
	VEGETAL	2.165	43.15	21339.3				
104560.000	FIRME	8.525	170.53	65461.2	D TIERRA	6.887	135.75	39648.6
	S SEL2	5.690	113.61	36456.3	SUELO EST3	5.748	114.88	45396.1
	D FIRME	5.195	104.06	32663.4	TERRAPLEN	0.071	1.34	16495.8
	EXCAVA SANE0	5.279	104.95	13888.8	TERRAP SANE0	5.279	104.95	14051.2
	VEGETAL	2.183	43.47	21382.8				
104580.000	FIRME	8.523	170.48	65631.7	D TIERRA	7.055	139.42	39788.0
	S SEL2	5.688	113.78	36570.1	SUELO EST3	5.746	114.94	45511.1
	D FIRME	5.207	104.02	32767.5	TERRAPLEN	0.118	1.89	16497.7
	EXCAVA SANE0	5.259	105.38	13994.2	TERRAP SANE0	5.259	105.38	14156.6
	VEGETAL	2.176	43.58	21426.3				
104600.000	FIRME	8.520	170.43	65802.2	D TIERRA	6.722	137.77	39925.7
	S SEL2	5.714	114.02	36684.1	SUELO EST3	5.757	115.03	45626.1
	D FIRME	5.216	104.23	32871.7	TERRAPLEN	0.224	3.43	16501.1
	EXCAVA SANE0	5.303	105.62	14099.8	TERRAP SANE0	5.303	105.62	14262.2
	VEGETAL	2.183	43.59	21469.9				
104620.000	FIRME	8.518	170.38	65972.5	D TIERRA	6.150	128.73	40054.5
	S SEL2	5.730	114.44	36798.5	SUELO EST3	5.760	115.17	45741.3
	D FIRME	5.211	104.27	32976.0	TERRAPLEN	0.291	5.15	16506.2
	EXCAVA SANE0	5.346	106.49	14206.3	TERRAP SANE0	5.346	106.49	14368.7
	VEGETAL	2.194	43.78	21513.7				
104640.000	FIRME	8.515	170.33	66142.9	D TIERRA	6.296	124.47	40178.9
	S SEL2	5.740	114.70	36913.2	SUELO EST3	5.762	115.22	45856.5
	D FIRME	5.195	104.06	33080.0	TERRAPLEN	0.238	5.28	16511.5
	EXCAVA SANE0	5.388	107.34	14313.6	TERRAP SANE0	5.388	107.34	14476.1
	VEGETAL	2.207	44.01	21557.7				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 41

PROYECTO : EJE: 1: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Dch.								
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
104660.000	FIRME	8.512	170.27	66313.1	D TIERRA	6.237	125.34	40304.3
	S SEL2	5.724	114.64	37027.9	SUELO EST3	5.756	115.17	45971.7
	D FIRME	5.201	103.96	33184.0	TERRAPLEN	0.360	5.98	16517.5
	EXCAVA SANE0	5.338	107.26	14420.9	TERRAP SANE0	5.338	107.26	14583.3
	VEGETAL	2.192	43.98	21601.7				
104680.000	FIRME	8.510	170.22	66483.3	D TIERRA	5.961	121.98	40426.3
	S SEL2	5.686	114.09	37142.0	SUELO EST3	5.739	114.95	46086.6
	D FIRME	5.217	104.18	33288.2	TERRAPLEN	0.377	7.37	16524.9
	EXCAVA SANE0	5.226	105.64	14526.5	TERRAP SANE0	5.226	105.64	14689.0
	VEGETAL	2.160	43.51	21645.2				
104700.000	FIRME	8.507	170.17	66653.5	D TIERRA	5.125	110.86	40537.1
	S SEL2	5.648	113.33	37255.3	SUELO EST3	5.718	114.57	46201.2
	D FIRME	5.247	104.65	33392.8	TERRAPLEN	0.320	6.97	16531.8
	EXCAVA SANE0	5.114	103.40	14629.9	TERRAP SANE0	5.114	103.40	14792.4
	VEGETAL	2.124	42.84	21688.1				
104720.000	FIRME	8.309	168.16	66821.7	D TIERRA	4.853	99.78	40636.9
	S SEL2	4.739	103.87	37359.2	SUELO EST3	4.827	105.46	46306.6
	D FIRME	4.226	94.74	33487.5	TERRAPLEN	0.008	3.28	16535.1
	EXCAVA SANE0	4.960	100.74	14730.6	TERRAP SANE0	4.960	100.74	14893.1
	VEGETAL	2.087	42.11	21730.2				
104740.000	FIRME	8.503	168.11	66989.8	D TIERRA	5.455	103.08	40740.0
	S SEL2	5.563	103.02	37462.2	SUELO EST3	5.649	104.76	46411.4
	D FIRME	5.269	94.95	33582.5	TERRAPLEN	0.000	0.08	16535.2
	EXCAVA SANE0	4.906	98.66	14829.3	TERRAP SANE0	4.906	98.66	14991.8
	VEGETAL	2.070	41.57	21771.7				
104760.000	FIRME	8.500	170.02	67159.8	D TIERRA	5.995	114.50	40854.5
	S SEL2	5.562	111.25	37573.4	SUELO EST3	5.650	112.99	46524.4
	D FIRME	5.275	105.44	33687.9	TERRAPLEN	0.003	0.03	16535.2
	EXCAVA SANE0	4.901	98.07	14927.4	TERRAP SANE0	4.901	98.07	15089.8
	VEGETAL	2.067	41.37	21813.1				
104780.000	FIRME	8.496	169.96	67329.8	D TIERRA	6.178	121.72	40976.2
	S SEL2	5.564	111.26	37684.7	SUELO EST3	5.650	113.00	46637.4
	D FIRME	5.274	105.49	33793.4	TERRAPLEN	0.001	0.04	16535.3
	EXCAVA SANE0	4.905	98.06	15025.4	TERRAP SANE0	4.905	98.06	15187.9
	VEGETAL	2.068	41.35	21854.5				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 42

PROYECTO : EJE: 1: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Dch.								
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
104800.000	FIRME	8.494	169.90	67499.7	D TIERRA	6.048	122.25	41098.4
	S SEL2	5.576	111.40	37796.1	SUELO EST3	5.661	113.11	46750.5
	D FIRME	5.275	105.49	33898.9	TERRAPLEN	0.007	0.09	16535.4
	EXCAVA SANE0	4.930	98.34	15123.8	TERRAP SANE0	4.930	98.34	15286.2
	VEGETAL	2.073	41.41	21895.9				
104820.000	FIRME	8.498	169.92	67669.6	D TIERRA	6.622	126.70	41225.1
	S SEL2	5.590	111.67	37907.8	SUELO EST3	5.676	113.37	46863.9
	D FIRME	5.249	105.24	34004.2	TERRAPLEN	0.000	0.07	16535.4
	EXCAVA SANE0	5.001	99.30	15223.1	TERRAP SANE0	5.001	99.30	15385.5

104840.000	VEGETAL	2.097	41.70	21937.6	D TIERRA	7.205	138.27	41363.4
	FIRME	8.508	170.06	67839.7	SUELO EST3	5.681	113.57	46977.4
	S SEL2	5.597	111.88	38019.6	EXCAVA SANE0	4.973	99.73	15322.8
	D FIRME	5.278	105.27	34109.4	VEGETAL	2.088	41.85	21979.4
	TERRAP SANE0	4.973	99.73	15485.3	D TIERRA	7.304	145.08	41508.5
104860.000	FIRME	8.524	170.33	68010.0	SUELO EST3	5.704	113.85	47091.3
	S SEL2	5.622	112.20	38131.8	EXCAVA SANE0	5.057	100.30	15423.1
	D FIRME	5.257	105.35	34214.8	VEGETAL	2.116	42.05	22021.5
	TERRAP SANE0	5.057	100.30	15585.6	D TIERRA	7.910	152.13	41660.6
104880.000	FIRME	8.545	170.69	68180.7	SUELO EST3	5.661	113.65	47204.9
	S SEL2	5.574	111.96	38243.8	TERRAPLEN	0.028	0.28	16535.7
	D FIRME	5.227	104.84	34319.6	TERRAP SANE0	5.567	106.24	15691.8
	EXCAVA SANE0	5.567	106.24	15529.4				
	VEGETAL	2.143	42.60	22064.1				
104900.000	FIRME	8.575	171.20	68351.9	D TIERRA	7.566	154.76	41815.4
	S SEL2	5.626	112.00	38355.8	SUELO EST3	5.710	113.72	47318.7
	D FIRME	5.268	104.95	34424.6	TERRAPLEN	0.000	0.28	16536.0
	EXCAVA SANE0	5.044	106.11	15635.5	TERRAP SANE0	5.044	106.11	15797.9
	VEGETAL	2.126	42.69	22106.7				
104920.000	FIRME	8.598	171.73	68523.6	D TIERRA	7.796	153.62	41969.0
	S SEL2	5.677	113.02	38468.8	SUELO EST3	5.760	114.71	47433.4
	D FIRME	5.301	105.69	34530.3	EXCAVA SANE0	5.114	101.58	15737.0
	TERRAP SANE0	5.114	101.58	15899.5	VEGETAL	2.143	42.69	22149.4
104940.000	FIRME	8.614	172.13	68695.7	D TIERRA	7.618	154.14	42123.1
	S SEL2	5.710	113.87	38582.7	SUELO EST3	5.788	115.48	47548.8
	D FIRME	5.296	105.98	34636.2	EXCAVA SANE0	5.189	103.03	15840.1
	TERRAP SANE0	5.189	103.03	16002.5	VEGETAL	2.167	43.10	22192.5

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 43

PROYECTO : EJE: 1: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Dch.										
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104960.000	FIRME	8.623		172.38	68868.1	D TIERRA	8.340		159.58	42282.7
	S SEL2	5.743		114.53	38697.2	SUELO EST3	5.815		116.03	47664.9
	D FIRME	5.305		106.01	34742.2	EXCAVA SANE0	5.250		104.39	15944.4
	TERRAP SANE0	5.250		104.39	16106.9	VEGETAL	2.182		43.49	22236.0
104980.000	FIRME	8.616		172.39	69040.5	D TIERRA	6.538		148.78	42431.5
	S SEL2	5.871		116.14	38813.4	SUELO EST3	5.864		116.80	47781.7
	D FIRME	5.311		106.16	34848.4	TERRAPLEN	0.365		3.65	16539.6
	EXCAVA SANE0	5.516		107.66	16052.1	TERRAP SANE0	5.516		107.66	16214.6
	VEGETAL	2.247		44.29	22280.3					
105000.000	FIRME	8.593		172.09	69212.6	D TIERRA	5.491		120.29	42551.8
	S SEL2	5.991		118.62	38932.0	SUELO EST3	5.869		117.33	47899.0
	D FIRME	5.283		105.94	34954.3	TERRAPLEN	1.050		14.15	16553.8
	EXCAVA SANE0	5.785		113.01	16165.1	TERRAP SANE0	5.785		113.01	16327.6
	VEGETAL	2.344		45.91	22326.2					
105020.000	FIRME	8.578		171.72	69384.3	D TIERRA	4.318		98.09	42649.9
	S SEL2	6.003		119.95	39051.9	SUELO EST3	5.861		117.30	48016.3
	D FIRME	5.300		105.83	35060.2	TERRAPLEN	1.342		23.92	16577.7
	EXCAVA SANE0	5.832		116.17	16281.3	TERRAP SANE0	5.832		116.17	16443.7
	VEGETAL	2.360		47.05	22373.3					
105040.000	FIRME	8.563		171.41	69555.7	D TIERRA	4.705		90.23	42740.1
	S SEL2	5.993		119.97	39171.9	SUELO EST3	5.849		117.11	48133.4
	D FIRME	5.248		105.48	35165.7	TERRAPLEN	1.898		32.40	16610.1
	EXCAVA SANE0	5.930		117.62	16398.9	TERRAP SANE0	5.930		117.62	16561.4
	VEGETAL	2.400		47.60	22420.9					
105060.000	FIRME	8.543		171.06	69726.8	D TIERRA	5.266		99.72	42839.8
	S SEL2	5.976		119.70	39291.6	SUELO EST3	5.833		116.83	48250.2
	D FIRME	5.283		105.30	35271.0	TERRAPLEN	2.237		41.35	16651.5
	EXCAVA SANE0	5.985		119.15	16518.1	TERRAP SANE0	5.985		119.15	16680.5
	VEGETAL	2.421		48.21	22469.1					
105080.000	FIRME	7.664		162.07	69888.9	D TIERRA	4.069		93.36	42933.2
	S SEL2	4.915		108.91	39400.5	SUELO EST3	4.774		106.07	48356.3
	D FIRME	3.675		89.58	35360.5	TERRAPLEN	2.265		45.02	16696.5
	EXCAVA SANE0	5.997		119.83	16637.9	TERRAP SANE0	5.997		119.83	16800.3
	VEGETAL	2.425		48.46	22517.6					

105200.000	FIRME	8.198	164.81	70867.5	D TIERRA	1.414	25.50	43176.7
	SUELO EST3	5.563	111.88	49008.5	D FIRME	5.207	104.17	35930.6
	TERRAPLEN	1.448	37.66	17085.3	VEGETAL	2.178	45.57	22811.1
105220.000	FIRME	6.992	151.90	71019.4	D TIERRA	0.744	21.57	43198.3
	SUELO EST3	4.222	97.85	49106.3	D FIRME	3.251	84.58	36015.2
	TERRAPLEN	1.240	26.88	17112.2	VEGETAL	2.015	41.93	22853.0
105240.000	FIRME	8.236	152.28	71171.6	D TIERRA	1.369	21.13	43219.4
	SUELO EST3	4.232	84.54	49190.9	D FIRME	3.424	66.75	36082.0
	TERRAPLEN	1.632	28.72	17140.9	VEGETAL	2.166	41.81	22894.8
105260.000	FIRME	8.887	171.23	71342.9	D TIERRA	4.423	57.92	43277.3
	SUELO EST3	4.326	85.59	49276.5	D FIRME	3.036	64.59	36146.5
	TERRAPLEN	1.688	33.20	17174.1	EXCAVA SANE0	4.353	43.53	16860.9
105280.000	TERRAP SANE0	4.353	43.53	17023.4	VEGETAL	2.666	48.32	22943.1
	FIRME	8.966	178.53	71521.4	D TIERRA	7.693	121.16	43398.5
	SUELO EST3	4.898	92.24	49368.7	D FIRME	2.900	59.36	36205.9
	TERRAPLEN	0.759	24.47	17198.6	EXCAVA SANE0	3.506	78.59	16939.5
	TERRAP SANE0	3.506	78.59	17101.9	VEGETAL	3.154	58.21	23001.3

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 45

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

105300.000	FIRME	9.076	180.42	71701.8	D TIERRA	27.103	347.96	43746.5
	S ADECUADO	18.251	182.51	763.7	SUELO EST3	5.852	107.49	49476.2
	D FIRME	4.054	69.54	36275.4	TERRAPLEN	0.016	7.75	17206.3
	EXCAVA SANE0	0.000	35.06	16974.6	TERRAP SANE0	0.000	35.06	17137.0
	VEGETAL	3.340	64.95	23066.3				
105320.000	FIRME	9.822	188.99	71890.8	D TIERRA	29.367	564.70	44311.2
	S ADECUADO	18.616	368.67	1132.3	SUELO EST3	5.960	118.12	49594.3
	D FIRME	4.827	88.81	36364.3	TERRAPLEN	0.006	0.22	17206.6
	VEGETAL	3.444	67.84	23134.1				
	FIRME	9.843	196.65	72087.5	D TIERRA	29.743	591.10	44902.2
105340.000	S ADECUADO	18.422	370.38	1502.7	SUELO EST3	5.903	118.63	49713.0
	D FIRME	4.926	97.53	36461.8	TERRAPLEN	0.004	0.10	17206.7
	VEGETAL	3.417	68.60	23202.7				
	FIRME	9.648	194.90	72282.4	D TIERRA	28.314	580.56	45482.8
	S ADECUADO	17.062	354.84	1857.5	SUELO EST3	5.500	114.03	49827.0
105360.000	D FIRME	3.856	87.82	36549.6	TERRAPLEN	0.001	0.05	17206.7
	VEGETAL	3.340	67.57	23270.3				
	FIRME	9.018	186.66	72469.0	D TIERRA	10.030	383.44	45866.3
	S ADECUADO	0.000	170.62	2028.2	SUELO EST3	4.572	100.72	49927.7
	D FIRME	2.539	63.95	36613.6	TERRAPLEN	1.717	17.18	17223.9
105380.000	EXCAVA SANE0	4.264	42.64	17017.2	TERRAP SANE0	4.264	42.64	17179.6
	VEGETAL	3.184	65.24	23335.5				
	FIRME	9.171	181.90	72650.9	D TIERRA	7.504	175.35	46041.6
	SUELO EST3	5.330	99.03	50026.7	D FIRME	3.137	56.77	36670.3
	TERRAPLEN	2.009	37.26	17261.1	EXCAVA SANE0	0.000	42.64	17059.8
105420.000	TERRAP SANE0	0.000	42.64	17222.3	VEGETAL	2.378	55.61	23391.1
	FIRME	8.917	180.88	72831.8	D TIERRA	3.488	109.92	46151.5
	SUELO EST3	4.542	98.72	50125.5	D FIRME	2.677	58.15	36728.5
	TERRAPLEN	2.386	43.95	17305.1	VEGETAL	2.135	45.13	23436.3
	FIRME	8.439	173.56	73005.4	D TIERRA	0.349	38.37	46189.9
105440.000	SUELO EST3	4.043	85.84	50211.3	D FIRME	1.975	46.52	36775.0
	TERRAPLEN	3.041	54.27	17359.4	VEGETAL	2.117	42.52	23478.8
	FIRME	8.031	164.70	73170.1	D TIERRA	0.270	6.19	46196.1
	SUELO EST3	5.444	94.87	50306.2	D FIRME	3.166	51.41	36826.4
	TERRAPLEN	3.162	62.03	17421.4	VEGETAL	1.844	39.61	23518.4
105480.000	FIRME	8.038	160.69	73330.8	D TIERRA	0.183	4.53	46200.6
	SUELO EST3	5.444	108.88	50415.1	D FIRME	2.637	58.03	36884.4
	TERRAPLEN	4.256	74.18	17495.6	VEGETAL	1.831	36.76	23555.2

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 46

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

105500.000	FIRME	8.045	160.83	73491.6	D TIERRA	0.077	2.60	46203.2
	SUELO EST3	5.447	108.91	50524.0	D FIRME	2.113	47.50	36931.9
	TERRAPLEN	5.555	98.11	17593.7	VEGETAL	1.850	36.81	23592.0
105520.000	FIRME	8.052	160.97	73652.6	D TIERRA	0.055	1.31	46204.5
	SUELO EST3	5.447	108.94	50632.9	D FIRME	1.991	41.04	36973.0
	TERRAPLEN	6.232	117.87	17711.6	VEGETAL	1.801	36.51	23628.5
105540.000	FIRME	8.054	161.06	73813.6	D TIERRA	0.052	1.06	46205.6
	SUELO EST3	5.449	108.95	50741.9	D FIRME	1.794	37.85	37010.8
	TERRAPLEN	6.817	130.49	17842.0	VEGETAL	1.792	35.93	23664.4
105560.000	FIRME	8.053	161.06	73974.7	D TIERRA	0.063	1.15	46206.7
	SUELO EST3	5.447	108.96	50850.8	D FIRME	1.732	35.27	37046.1
	TERRAPLEN	6.515	133.33	17975.4	VEGETAL	1.753	35.45	23699.9
105580.000	FIRME	8.051	161.04	74135.7	D TIERRA	0.087	1.50	46208.2
	SUELO EST3	5.447	108.94	50959.8	D FIRME	1.862	35.95	37082.0
	TERRAPLEN	5.521	120.36	18095.7	VEGETAL	1.704	34.57	23734.4
105600.000	FIRME	8.050	161.01	74296.7	D TIERRA	0.146	2.32	46210.5
	SUELO EST3	5.446	108.93	51068.7	D FIRME	2.289	41.52	37123.6
	TERRAPLEN	3.781	93.02	18188.8	VEGETAL	1.648	33.52	23768.0
105620.000	FIRME	8.048	160.98	74457.7	D TIERRA	0.228	3.74	46214.3
	SUELO EST3	5.446	108.92	51177.6	D FIRME	2.943	52.32	37175.9
	TERRAPLEN	4.454	82.36	18201.1	VEGETAL	1.671	33.20	23801.2
105640.000	FIRME	8.046	160.94	74618.7	D TIERRA	0.227	4.55	46218.8
	SUELO EST3	5.445	108.91	51286.5	D FIRME	3.428	63.71	37239.6
	TERRAPLEN	4.660	91.14	18362.2	VEGETAL	1.675	33.47	23834.6
105660.000	FIRME	8.030	160.75	74779.4	D TIERRA	0.343	5.70	46224.5

105680.000	SUELO EST3	5.434	108.79	51395.3	D FIRME	4.491	79.19	37318.8
	TERRAPLEN	2.721	73.80	18436.0	VEGETAL	1.603	32.78	23867.4
	FIRME	8.015	160.45	74939.8	D TIERRA	1.099	14.43	46239.0
105700.000	SUELO EST3	5.421	108.56	51503.9	D FIRME	5.142	96.34	37415.1
	TERRAPLEN	1.196	39.16	18475.2	VEGETAL	1.537	31.40	23898.8
	FIRME	8.015	160.30	75100.1	D TIERRA	1.796	28.96	46267.9
105720.000	SUELO EST3	5.392	108.14	51612.0	D FIRME	5.243	103.85	37519.0
	TERRAPLEN	0.836	20.32	18495.5	VEGETAL	1.516	30.54	23929.3
	FIRME	8.015	160.30	75260.4	D TIERRA	2.260	40.57	46308.5
	SUELO EST3	5.371	107.64	51719.6	D FIRME	5.237	104.80	37623.8
	TERRAPLEN	0.701	15.38	18510.9	VEGETAL	1.504	30.21	23959.5

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 47

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

105740.000	FIRME	8.015	160.30	75420.7	D TIERRA	2.544	48.04	46356.5
	SUELO EST3	5.383	107.54	51827.2	D FIRME	5.249	104.86	37728.6
	TERRAPLEN	0.818	15.20	18526.1	VEGETAL	1.507	30.11	23989.7
105760.000	FIRME	8.015	160.30	75581.0	D TIERRA	2.285	48.28	46404.8
	SUELO EST3	5.393	107.76	51934.9	D FIRME	5.234	104.83	37833.5
	TERRAPLEN	0.715	15.33	18541.4	VEGETAL	1.521	30.28	24019.9
105780.000	FIRME	8.015	160.30	75741.3	D TIERRA	3.513	57.97	46462.8
	SUELO EST3	5.414	108.07	52043.0	D FIRME	5.251	104.85	37938.3
	TERRAPLEN	0.731	14.46	18555.9	VEGETAL	1.533	30.55	24050.5
105800.000	FIRME	8.015	160.30	75901.6	D TIERRA	3.185	66.98	46529.8
	SUELO EST3	5.418	108.33	52151.3	D FIRME	5.253	105.04	38043.4
	TERRAPLEN	0.803	15.34	18571.2	VEGETAL	1.539	30.72	24081.2
105820.000	FIRME	8.015	160.30	76062.0	D TIERRA	2.998	61.84	46591.6
	SUELO EST3	5.427	108.45	52259.8	D FIRME	5.238	104.91	38148.3
	TERRAPLEN	1.183	19.86	18591.1	VEGETAL	1.578	31.17	24112.4
105840.000	FIRME	8.015	160.30	76222.3	D TIERRA	3.511	65.10	46556.7
	SUELO EST3	5.427	108.53	52368.3	D FIRME	5.249	104.87	38253.1
	TERRAPLEN	0.907	20.90	18612.0	VEGETAL	1.576	31.53	24143.9
105860.000	FIRME	8.015	160.30	76382.6	D TIERRA	3.793	73.04	46729.7
	SUELO EST3	5.398	108.24	52476.6	D FIRME	5.255	105.03	38358.2
	TERRAPLEN	0.566	14.73	18626.7	VEGETAL	1.516	30.92	24174.8
105880.000	FIRME	8.015	160.30	76542.9	D TIERRA	3.498	72.90	46802.6
	SUELO EST3	5.416	108.14	52584.7	D FIRME	5.258	105.13	38463.3
	TERRAPLEN	0.448	10.14	18636.9	VEGETAL	1.533	30.50	24205.3
105900.000	FIRME	8.015	160.31	76703.2	D TIERRA	2.601	60.99	46863.6
	SUELO EST3	5.426	108.42	52693.1	D FIRME	5.242	105.00	38568.3
	TERRAPLEN	0.959	14.07	18650.9	VEGETAL	1.560	30.93	24236.3
105920.000	FIRME	8.015	160.31	76863.5	D TIERRA	2.208	48.10	46911.7
	SUELO EST3	5.426	108.52	52801.6	D FIRME	5.217	104.58	38672.9
	TERRAPLEN	0.853	18.13	18669.1	VEGETAL	1.576	31.36	24267.6
105940.000	FIRME	8.015	160.30	77023.8	D TIERRA	1.319	35.28	46947.0
	SUELO EST3	5.421	108.48	52910.1	D FIRME	5.251	104.68	38777.5
	TERRAPLEN	0.803	16.57	18685.6	VEGETAL	1.544	31.20	24298.8
105960.000	FIRME	8.015	160.30	77184.1	D TIERRA	1.760	30.80	46977.8
	SUELO EST3	5.382	108.03	53018.1	D FIRME	5.282	105.33	38882.9
	TERRAPLEN	0.533	13.37	18699.0	VEGETAL	1.493	30.37	24329.2

106200.000	FIRME	9.703	194.27	79357.3	D TIERRA	9.582	202.49	48424.9
	SUELO EST3	6.258	125.31	54353.9	D FIRME	5.161	103.18	39992.5
	TERRAPLEN	0.025	0.60	18714.1	VEGETAL	2.494	51.36	24866.1

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 49

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106220.000	FIRME	9.758		194.61	79551.9	D TIERRA	6.798		163.80	48588.7
	SUELO EST3	6.310		125.68	54479.6	D FIRME	5.160		103.21	40095.7
	TERRAPLEN	0.021		0.46	18714.6	VEGETAL	2.452		49.45	24915.6
106240.000	FIRME	10.460		202.19	79754.1	D TIERRA	7.531		143.29	48732.0
	SUELO EST3	6.587		128.98	54608.6	D FIRME	5.170		103.30	40199.0
	TERRAPLEN	0.007		0.27	18714.9	VEGETAL	2.645		50.97	24966.6
106260.000	FIRME	9.710		201.71	79955.8	D TIERRA	6.884		144.15	48876.1
	SUELO EST3	6.260		128.48	54737.1	D FIRME	5.158		103.28	40302.3
	TERRAPLEN	0.027		0.33	18715.2	VEGETAL	2.404		50.49	25017.0
106280.000	FIRME	9.807		195.17	80151.0	D TIERRA	4.788		116.73	48992.9
	SUELO EST3	6.361		126.21	54863.3	D FIRME	5.069		102.27	40404.6
	TERRAPLEN	0.810		8.37	18723.6	VEGETAL	2.550		49.54	25066.6
106300.000	FIRME	8.900		187.07	80338.1	D TIERRA	4.008		87.96	49080.8
	SUELO EST3	5.297		116.58	54979.9	D FIRME	3.169		82.38	40487.0
	TERRAPLEN	0.652		14.62	18738.2	VEGETAL	2.604		51.54	25118.1
106320.000	FIRME	9.787		186.87	80524.9	D TIERRA	3.318		73.26	49154.1
	SUELO EST3	6.384		116.81	55096.7	D FIRME	4.810		79.79	40566.8
	TERRAPLEN	0.253		9.05	18747.2	TERRAP SANE0	0.001		0.01	17222.3
106340.000	VEGETAL	2.553		51.57	25169.7					
	FIRME	9.776		195.63	80720.6	D TIERRA	9.551		128.69	49282.8
	S SEL2	6.288		62.88	39631.2	SUELO EST3	6.375		127.59	55224.3
106360.000	D FIRME	5.042		98.52	40665.3	TERRAPLEN	0.027		2.80	18750.0
	TERRAP SANE0	0.000		0.01	17222.3	VEGETAL	2.672		52.26	25222.0
	FIRME	8.667		184.43	80905.0	D TIERRA	4.689		142.40	49425.2
106380.000	S SEL2	5.651		119.39	39750.6	SUELO EST3	5.737		121.13	55345.4
	D FIRME	5.062		101.04	40766.3	TERRAPLEN	0.000		0.27	18750.3
	EXCAVA SANE0	6.460		64.60	17124.5	TERRAP SANE0	6.460		64.60	17286.9
106400.000	VEGETAL	1.828		45.01	25267.0					
	FIRME	8.656		173.23	81078.2	D TIERRA	2.686		73.75	49498.9
	S SEL2	5.793		114.44	39865.0	SUELO EST3	5.850		115.87	55461.3
106420.000	D FIRME	5.030		100.91	40867.2	TERRAPLEN	0.493		4.93	18755.2
	EXCAVA SANE0	6.865		133.25	17257.7	TERRAP SANE0	6.865		133.25	17420.2
	VEGETAL	1.879		37.07	25304.0					
106440.000	FIRME	8.636		172.93	81251.1	D TIERRA	3.441		61.27	49560.2
	S SEL2	5.654		114.47	39979.5	SUELO EST3	5.739		115.89	55577.2
	D FIRME	5.056		100.86	40968.1	TERRAPLEN	0.011		5.04	18760.3
106460.000	EXCAVA SANE0	6.547		134.12	17391.8	TERRAP SANE0	6.547		134.12	17554.3
	VEGETAL	1.815		36.94	25341.0					

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 50

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106420.000	FIRME	9.572		182.09	81433.2	D TIERRA	4.360		78.02	49638.2
	S SEL2	5.134		107.88	40087.3	SUELO EST3	5.215		109.55	55686.7
	D FIRME	3.293		83.49	41051.6	TERRAPLEN	1.326		13.36	18773.6
	EXCAVA SANE0	6.833		133.80	17525.6	TERRAP SANE0	6.833		133.80	17688.1
	VEGETAL	2.488		43.03	25384.0					
106440.000	FIRME	8.753		183.25	81616.5	D TIERRA	1.928		62.88	49701.1
	S SEL2	6.068		112.02	40199.4	SUELO EST3	5.945		111.60	55798.3
	D FIRME	5.005		82.97	41134.6	TERRAPLEN	1.761		30.87	18804.5
	EXCAVA SANE0	7.718		145.51	17671.2	TERRAP SANE0	7.718		145.51	17833.6
	VEGETAL	2.041		45.29	25429.3					
106460.000	FIRME	8.985		177.38	81793.9	D TIERRA	1.503		34.31	49735.4
	S SEL2	6.178		122.45	40321.8	SUELO EST3	6.105		120.50	55918.8
	D FIRME	4.979		99.84	41234.4	TERRAPLEN	0.846		26.08	18830.6
	EXCAVA SANE0	8.035		157.53	17828.7	TERRAP SANE0	8.035		157.53	17991.2
	VEGETAL	2.116		41.56	25470.9					
106480.000	FIRME	10.297		192.82	81986.7	D TIERRA	5.601		71.04	49806.4
	S SEL2	6.612		127.89	40449.7	SUELO EST3	6.699		128.04	56046.9
	D FIRME	4.886		98.64	41333.0	TERRAPLEN	0.127		9.73	18840.3
	EXCAVA SANE0	6.656		146.91	17975.6	TERRAP SANE0	6.656		146.91	18138.1
	VEGETAL	2.965		50.80	25521.7					
106500.000	FIRME	9.451		197.47	82184.1	D TIERRA	0.353		59.53	49866.0
	S SEL2	6.500		131.11	40580.8	SUELO EST3	6.415		131.15	56178.0
	D FIRME	4.389		92.74	41425.8	TERRAPLEN	1.426		15.53	18855.9
	EXCAVA SANE0	8.721		153.77	18129.4	TERRAP SANE0	8.721		153.77	18291.8
	VEGETAL	2.283		52.48	25574.1					
106520.000	FIRME	9.685		191.35	82375.5	D TIERRA	0.125		4.78	49870.8
	S SEL2	6.657		131.56	40712.4	SUELO EST3	6.576		129.91	56307.9
	D FIRME	4.003		83.92	41509.7	TERRAPLEN	3.576		50.02	18905.9
	EXCAVA SANE0	8.608		173.28	18302.6	TERRAP SANE0	8.608		173.29	18465.1
	VEGETAL	2.276		45.59	25619.7					
106540.000	FIRME	9.918		196.02	82571.5	D TIERRA	0.141		2.67	49873.4
	S SEL2	6.771		134.28	40846.7	SUELO EST3	6.727		133.03	56441.0
	D FIRME	4.076		80.80	41590.5	TERRAPLEN	3.197		67.73	18973.6
	EXCAVA SANE0	8.202		168.10	18470.7	TERRAP SANE0	8.203		168.10	18633.2
	VEGETAL	2.170		44.46	25664.2					

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 51

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106560.000	FIRME	10.152		200.70	82772.2	D TIERRA	0.210		3.51	49876.9
	S SEL2	6.888		136.59	40983.3	SUELO EST3	6.882		136.09	56577.0
	D FIRME	4.490		85.66	41676.2	TERRAPLEN	2.761		59.58	19033.2
	EXCAVA SANE0	7.792		159.94	18630.7	TERRAP SANE0	7.792		159.94	18793.2
	VEGETAL	2.069		42.39	25706.6					
106580.000	FIRME	10.199		203.51	82975.7	D TIERRA	0.264		4.74	49881.7
	S SEL2	6.882		137.70	41121.0	SUELO EST3	6.903		137.85	56714.9
	D FIRME	4.884		93.74	41769.9	TERRAPLEN	2.807		55.67	19088.9
	EXCAVA SANE0	7.171		149.63	18780.3	TERRAP SANE0	7.171		149.63	18942.8
	VEGETAL	1.933		40.02	25746.6					
106600.000	FIRME	10.200		203.99	83179.7	D TIERRA	0.228		4.92	49886.6
	S SEL2	6.941		138.23	41259.2	SUELO EST3	6.914		138.17	56853.0
	D FIRME	4.261		91.45	41861.4	TERRAPLEN	2.583		53.89	19142.7
	EXCAVA SANE0	6.767		139.38	18919.7	TERRAP SANE0	6.767		139.38	19082.2
	VEGETAL	1.850		37.84	25784.4					
106620.000	FIRME	10.199		203.99	83383.7	D TIERRA	0.238		4.67	49891.3
	S SEL2	6.929		138.70	41397.9	SUELO EST3	6.915		138.29	56991.3
	D FIRME	4.489		87.49	41948.8	TERRAPLEN	1.627		42.10	19184.8
	EXCAVA SANE0	6.611		133.78	19053.5	TERRAP SANE0	6.611		133.78	19216.0
	VEGETAL	1.788		36.38	25820.8					
106640.000	FIRME	10.199		203.98	83587.7	D TIERRA	0.313		5.51	49896.8
	S SEL2	6.904		138.33	41536.2	SUELO EST3	6.915		138.30	57129.6
	D FIRME	4.428		89.17	42038.0	TERRAPLEN	1.746		33.73	19218.6
	EXCAVA SANE0	6.586		131.97	19185.4	TERRAP SANE0	6.586		131.97	19347.9
	VEGETAL	1.784		35.72	25856.5					
106660.000	FIRME	10.200		203.99	83791.7	D TIERRA	0.450		7.64	49904.4
	S SEL2	6.897		138.01	41674.2	SUELO EST3	6.908		138.24	57267.9
	D FIRME	4.960		93.88	42131.9	TERRAPLEN	1.938		36.84	19255.4
	EXCAVA SANE0	6.624		132.10	19317.5	TERRAP SANE0	6.624		132.10	19480.0
	VEGETAL	1.792		35.76	25892.3					
106680.000	FIRME	10.199		203.98	83995.7	D TIERRA	0.503		9.53	49913.9
	S SEL2	6.883		137.80	41812.0	SUELO EST3	6.906		138.14	57406.0
	D FIRME	5.229		101.89	42233.8	TERRAPLEN	2.233		41.71	19297.1
	EXCAVA SANE0	6.694		133.18	19450.7	TERRAP SANE0	6.694		133.18	19613.2
	VEGETAL	1.813		36.05	25928.3					

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 52

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106700.000	FIRME	10.197		203.96	84199.6	D TIERRA	0.520		10.22	49924.2
	S SEL2	6.905		137.88	41949.9	SUELO EST3	6.912		138.18	57544.2
	D FIRME	5.673		109.02	42342.8	TERRAPLEN	2.643		48.76	19345.9
	EXCAVA SANEO	6.753		134.46	19585.2	TERRAP SANEO	6.753		134.46	19747.7
	VEGETAL	1.834		36.47	25964.8					
106720.000	FIRME	10.199		203.96	84403.6	D TIERRA	0.668		11.88	49936.0
	S SEL2	6.957		138.62	42088.5	SUELO EST3	6.914		138.25	57682.4
	D FIRME	5.685		113.58	42456.4	TERRAPLEN	2.875		55.18	19401.1
	EXCAVA SANEO	6.952		137.05	19722.2	TERRAP SANEO	6.952		137.05	19884.7
	VEGETAL	1.877		37.10	26001.9					
106740.000	FIRME	10.198		203.97	84607.6	D TIERRA	0.686		13.53	49949.6
	S SEL2	6.952		139.09	42227.6	SUELO EST3	6.913		138.27	57820.7
	D FIRME	6.178		118.63	42575.0	TERRAPLEN	2.737		56.12	19457.2
	EXCAVA SANEO	6.931		138.83	19861.1	TERRAP SANEO	6.931		138.83	20023.5
	VEGETAL	1.875		37.52	26039.4					
106760.000	FIRME	8.623		188.21	84795.8	D TIERRA	0.725		14.11	49963.7
	S SEL2	6.006		129.59	42357.2	SUELO EST3	5.866		127.79	57948.5
	D FIRME	6.203		123.80	42698.8	TERRAPLEN	1.258		39.95	19497.1
	EXCAVA SANEO	4.819		117.50	19978.6	TERRAP SANEO	4.819		117.50	20141.0
	VEGETAL	1.303		31.79	26071.2					
106780.000	FIRME	8.623		172.47	84968.2	D TIERRA	0.777		15.02	49978.7
	S SEL2	6.007		120.13	42477.3	SUELO EST3	5.863		117.29	58065.8
	D FIRME	6.402		126.05	42824.9	TERRAPLEN	0.713		19.71	19516.8
	EXCAVA SANEO	4.307		91.26	20069.8	TERRAP SANEO	4.307		91.26	20232.3
	VEGETAL	1.163		24.66	26095.9					
106800.000	FIRME	8.627		172.51	85140.7	D TIERRA	0.738		15.15	49993.8
	S SEL2	5.680		116.87	42594.2	SUELO EST3	5.766		116.29	58182.1
	D FIRME	6.922		133.25	42958.1	TERRAPLEN	0.000		7.13	19524.0
	EXCAVA SANEO	2.177		64.85	20134.7	TERRAP SANEO	2.177		64.85	20297.1
	VEGETAL	0.544		17.07	26113.0					
106820.000	FIRME	8.635		172.62	85313.4	D TIERRA	0.945		16.83	50010.7
	S SEL2	5.676		113.56	42707.8	SUELO EST3	5.764		115.30	58297.4
	D FIRME	4.493		114.16	43072.3	TERRAPLEN	0.614		6.14	19530.1
	EXCAVA SANEO	6.616		87.93	20222.6	TERRAP SANEO	6.616		87.93	20385.1
	VEGETAL	1.825		23.70	26136.7					

106860.000	FIRME	8.658	173.04	85659.2	D TIERRA	2.296	35.99	50069.2
	S SEL2	5.821	116.13	42938.6	SUELO EST3	5.873	117.24	58530.8
	D FIRME	5.028	100.70	43268.3	TERRAPLEN	0.419	10.55	19553.2
	EXCAVA SANE0	7.045	139.90	20498.1	TERRAP SANE0	7.045	139.90	20660.6
106880.000	VEGETAL	1.899	37.77	26211.5				
	FIRME	8.670	173.28	85832.5	D TIERRA	2.283	45.79	50114.9
	S SEL2	5.891	117.11	43055.7	SUELO EST3	5.896	117.68	58648.5
	D FIRME	5.042	100.71	43369.0	TERRAPLEN	1.167	15.85	19569.0
106900.000	EXCAVA SANE0	7.107	141.52	20639.6	TERRAP SANE0	7.107	141.52	20802.1
	VEGETAL	1.921	38.20	26249.7				
	FIRME	8.680	173.49	86006.0	D TIERRA	2.211	44.94	50159.9
	S SEL2	5.925	118.15	43173.9	SUELO EST3	5.913	118.08	58766.6
106920.000	D FIRME	5.076	101.18	43470.2	TERRAPLEN	1.291	24.58	19593.6
	EXCAVA SANE0	7.155	142.62	20782.2	TERRAP SANE0	7.155	142.62	20944.7
	VEGETAL	1.926	38.47	26288.1				
	FIRME	8.690	173.70	86179.7	D TIERRA	2.262	44.72	50204.6
106940.000	S SEL2	5.955	118.79	43292.6	SUELO EST3	5.928	118.41	58885.0
	D FIRME	5.106	101.82	43572.0	TERRAPLEN	1.352	26.44	19620.0
	EXCAVA SANE0	7.180	143.35	20925.6	TERRAP SANE0	7.180	143.35	21088.1
	VEGETAL	1.930	38.56	26326.7				
106960.000	FIRME	8.702	173.92	86353.6	D TIERRA	2.477	47.38	50252.0
	S SEL2	5.948	119.02	43411.7	SUELO EST3	5.933	118.61	59003.6
	D FIRME	5.082	101.88	43673.9	TERRAPLEN	1.222	25.74	19645.8
	EXCAVA SANE0	7.212	143.92	21069.5	TERRAP SANE0	7.212	143.92	21232.0
106980.000	VEGETAL	1.939	38.69	26365.4				
	FIRME	8.712	174.14	86527.8	D TIERRA	2.547	50.24	50302.2
	S SEL2	5.939	118.87	43530.5	SUELO EST3	5.945	118.78	59122.4
	D FIRME	5.051	101.33	43775.2	TERRAPLEN	0.965	21.87	19667.6
107000.000	EXCAVA SANE0	7.268	144.79	21214.3	TERRAP SANE0	7.268	144.79	21376.8
	VEGETAL	1.951	38.90	26404.3				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 54
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

106980.000	FIRME	8.723	174.34	86702.1	D TIERRA	2.731	52.78	50355.0
	S SEL2	5.885	118.24	43648.8	SUELO EST3	5.934	118.80	59241.2
	D FIRME	5.050	101.01	43876.2	TERRAPLEN	0.673	16.38	19684.0
	EXCAVA SANE0	7.121	143.88	21358.2	TERRAP SANE0	7.121	143.88	21520.7
107000.000	VEGETAL	1.931	38.82	26443.1				
	FIRME	8.699	174.22	86876.3	D TIERRA	3.838	65.68	50420.7
	S SEL2	5.670	115.55	43764.3	SUELO EST3	5.757	116.91	59358.1
	D FIRME	5.038	100.88	43977.1	TERRAPLEN	0.001	6.74	19690.8
107020.000	EXCAVA SANE0	0.015	71.36	21429.6	TERRAP SANE0	0.015	71.36	21592.0
	VEGETAL	1.854	37.84	26480.9				
	FIRME	8.675	173.74	87050.1	D TIERRA	1.910	57.48	50478.2
	S SEL2	4.975	106.45	43870.8	SUELO EST3	5.054	108.12	59466.2
107040.000	D FIRME	6.952	119.89	44097.0	TERRAPLEN	0.010	0.11	19690.9
	EXCAVA SANE0	2.474	24.89	21454.4	TERRAP SANE0	2.474	24.89	21616.9
	VEGETAL	0.619	24.72	26505.7				
	FIRME	8.703	173.78	87223.8	D TIERRA	2.482	43.92	50522.1
107060.000	S SEL2	4.913	98.89	43969.7	SUELO EST3	4.967	100.21	59566.4
	D FIRME	5.613	125.65	44222.7	TERRAPLEN	0.000	0.10	19691.0
	EXCAVA SANE0	3.861	63.35	21517.8	TERRAP SANE0	3.861	63.35	21680.3
	VEGETAL	1.110	17.29	26523.0				
107080.000	FIRME	8.420	171.23	87395.1	D TIERRA	3.535	60.17	50582.3
	S SEL2	4.433	93.46	44063.1	SUELO EST3	4.497	94.64	59661.0
	D FIRME	4.896	105.09	44327.7	EXCAVA SANE0	4.027	78.88	21596.7
	TERRAP SANE0	4.027	78.88	21759.2	VEGETAL	1.155	22.65	26545.6
107100.000	FIRME	10.347	187.67	87582.7	D TIERRA	4.992	85.26	50667.5
	S SEL2	7.147	115.80	44178.9	SUELO EST3	7.066	115.63	59776.7
	D FIRME	7.087	119.83	44447.6	TERRAPLEN	0.541	5.41	19696.4
	EXCAVA SANE0	7.305	113.32	21710.0	TERRAP SANE0	7.305	113.32	21872.5
107120.000	VEGETAL	1.928	30.83	26576.4				
	FIRME	10.358	207.05	87789.8	D TIERRA	5.706	106.98	50774.5
	S SEL2	7.122	142.69	44321.6	SUELO EST3	7.077	141.43	59918.1
	D FIRME	7.112	141.99	44589.6	TERRAPLEN	0.499	10.40	19706.8
107140.000	EXCAVA SANE0	7.190	144.95	21854.9	TERRAP SANE0	7.190	144.95	22017.4
	VEGETAL	1.907	38.35	26614.8				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 55
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

107120.000	FIRME	9.182	195.40	87985.2	D TIERRA	4.616	103.22	50877.7
	S SEL2	5.554	126.76	44448.4	SUELO EST3	5.547	126.23	60044.3
	D FIRME	4.668	117.79	44707.4	TERRAPLEN	0.460	9.59	19716.4
	EXCAVA SANE0	7.175	143.66	21998.6	TERRAP SANE0	7.175	143.66	22161.1
107140.000	VEGETAL	1.912	38.19	26653.0				
	FIRME	10.375	195.57	88180.8	D TIERRA	7.302	119.18	50996.9
	S SEL2	7.083	126.37	44574.8	SUELO EST3	7.095	126.42	60170.7
	D FIRME	7.036	117.04	44824.4	TERRAPLEN	0.688	11.48	19727.8
107160.000	EXCAVA SANE0	7.207	143.82	22142.4	TERRAP SANE0	7.207	143.82	22304.9
	VEGETAL	1.926	38.38	26691.4				
	FIRME	9.160	195.36	88376.1	D TIERRA	5.398	127.00	51123.9
	S SEL2	5.617	127.00	44701.7	SUELO EST3	5.621	127.16	60297.9
107180.000	D FIRME	4.695	117.31	44941.7	TERRAPLEN	0.546	12.34	19740.2
	EXCAVA SANE0	7.289	144.96	22287.4	TERRAP SANE0	7.289	144.96	22449.9
	VEGETAL	1.944	38.70	26730.1				
	FIRME	9.934	190.94	88567.1	D TIERRA	5.210	106.08	51230.0

107200.000	S SEL2	4.646	102.63	44804.4	SUELO EST3	4.764	103.85	60401.8
	D FIRME	4.297	89.92	45031.6	TERRAPLEN	0.379	9.25	19749.4
	EXCAVA SANE0	0.000	72.89	22360.3	TERRAP SANE0	0.000	72.89	22522.7
	VEGETAL	1.919	38.63	26768.7				
107220.000	FIRME	10.516	204.51	88771.6	D TIERRA	8.570	137.81	51367.8
	S SEL2	6.904	115.50	44919.9	SUELO EST3	7.007	117.71	60519.5
	D FIRME	7.214	115.11	45146.7	TERRAPLEN	0.705	10.84	19760.3
	VEGETAL	1.900	38.19	26806.9				
107240.000	FIRME	10.411	209.27	88980.8	D TIERRA	8.286	168.56	51536.3
	S SEL2	7.115	140.19	45060.1	SUELO EST3	7.135	141.42	60660.9
	D FIRME	7.155	143.69	45290.4	TERRAPLEN	0.628	13.33	19773.6
	VEGETAL	1.924	38.24	26845.1				
107260.000	FIRME	10.418	208.28	89189.1	D TIERRA	8.419	167.04	51703.4
	S SEL2	7.109	142.24	45202.3	SUELO EST3	7.142	142.77	60803.7
	D FIRME	7.139	142.95	45433.4	TERRAPLEN	0.512	11.40	19785.0
	VEGETAL	1.930	38.55	26883.7				
107280.000	FIRME	10.425	208.42	89397.6	D TIERRA	8.829	172.48	51875.9
	S SEL2	7.063	141.71	45344.0	SUELO EST3	7.129	142.70	60946.4
	D FIRME	7.114	142.53	45575.9	TERRAPLEN	0.193	7.06	19792.1
	VEGETAL	1.925	38.55	26922.2				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 56
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107280.000	FIRME	10.434	208.59	89606.1	D TIERRA	8.703	175.32	52051.2
	S SEL2	7.070	141.33	45485.3	SUELO EST3	7.137	142.65	61089.0
	D FIRME	7.045	141.58	45717.5	TERRAPLEN	0.374	5.67	19797.7
	VEGETAL	1.958	38.83	26961.0				
107300.000	FIRME	10.442	208.76	89814.9	D TIERRA	9.223	179.26	52230.5
	S SEL2	7.031	141.01	45626.4	SUELO EST3	7.112	142.49	61231.5
	D FIRME	6.938	139.83	45857.3	TERRAPLEN	0.256	6.31	19804.0
	VEGETAL	1.986	39.45	27000.5				
107320.000	FIRME	10.450	208.92	90023.8	D TIERRA	9.002	182.25	52412.7
	S SEL2	6.990	140.20	45766.6	SUELO EST3	7.076	141.88	61373.4
	D FIRME	6.798	137.37	45994.7	TERRAPLEN	0.136	3.92	19808.0
	VEGETAL	2.029	40.16	27040.7				
107340.000	FIRME	10.312	207.63	90231.4	D TIERRA	8.690	176.92	52589.6
	S SEL2	6.942	139.32	45905.9	SUELO EST3	7.027	141.02	61514.4
	D FIRME	6.647	134.45	46129.1	TERRAPLEN	0.298	4.34	19812.3
	VEGETAL	2.048	40.77	27081.4				
107360.000	FIRME	10.085	203.97	90435.4	D TIERRA	7.520	162.10	52751.7
	S SEL2	6.773	137.15	46043.0	SUELO EST3	6.859	138.85	61653.3
	D FIRME	6.487	131.34	46260.5	TERRAPLEN	0.169	4.67	19817.0
	VEGETAL	2.004	40.52	27121.9				
107380.000	FIRME	9.854	199.38	90634.8	D TIERRA	6.992	145.12	52896.9
	S SEL2	6.596	133.69	46176.7	SUELO EST3	6.681	135.40	61788.7
	D FIRME	6.271	127.58	46388.1	TERRAPLEN	0.035	2.05	19819.0
	VEGETAL	1.978	39.82	27161.8				
107400.000	FIRME	9.622	194.76	90829.6	D TIERRA	7.074	140.67	53037.5
	S SEL2	6.444	130.41	46307.1	SUELO EST3	6.531	132.12	61920.8
	D FIRME	6.099	123.70	46511.8	TERRAPLEN	0.020	0.55	19819.6
	VEGETAL	1.945	39.23	27201.0				
107420.000	FIRME	9.389	190.11	91019.7	D TIERRA	7.285	143.60	53181.1
	S SEL2	6.295	127.40	46434.5	SUELO EST3	6.381	129.12	62049.9
	D FIRME	5.888	119.86	46631.6	TERRAPLEN	0.034	0.54	19820.1
	VEGETAL	1.930	38.75	27239.7				
107440.000	FIRME	9.148	185.37	91205.0	D TIERRA	7.212	144.97	53326.1
	S SEL2	6.096	123.92	46558.4	SUELO EST3	6.183	125.64	62175.5
	D FIRME	5.752	116.40	46748.0	TERRAPLEN	0.015	0.49	19820.6
	VEGETAL	1.852	37.82	27277.6				

107580.000	FIRME	9.907	198.24	92569.1	D TIERRA	11.789	232.64	54695.5
	S SEL2	6.433	128.83	47436.2	SUELO EST3	6.519	130.54	63065.3
	D FIRME	5.335	107.00	47465.3	TERRAPLEN	0.001	0.01	19822.1
	VEGETAL	2.382	47.64	27606.3				
107600.000	FIRME	9.896	198.02	92767.1	D TIERRA	11.675	234.65	54930.1
	S SEL2	6.420	128.53	47564.7	SUELO EST3	6.504	130.23	63195.6
	D FIRME	5.322	106.58	47571.9	TERRAPLEN	0.006	0.07	19822.1
	VEGETAL	2.373	47.55	27653.9				
107620.000	FIRME	8.804	186.99	92954.1	D TIERRA	9.220	208.96	55139.1
	S SEL2	5.833	122.53	47687.2	SUELO EST3	5.920	124.25	63319.8
	D FIRME	5.321	106.43	47678.3	TERRAPLEN	0.023	0.28	19822.4
	VEGETAL	1.849	42.23	27696.1				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 58
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107640.000	FIRME	8.794	175.98	93130.1	D TIERRA	9.076	182.96	55322.0
	S SEL2	5.891	117.24	47804.5	SUELO EST3	5.973	118.94	63438.7
	D FIRME	5.346	106.67	47785.0	TERRAPLEN	0.032	0.54	19822.9
	VEGETAL	1.863	37.13	27733.2				
107660.000	FIRME	8.783	175.77	93305.9	D TIERRA	8.435	175.10	55497.1
	S SEL2	5.892	117.82	47922.3	SUELO EST3	5.970	119.43	63558.2
	D FIRME	5.339	106.85	47891.9	TERRAPLEN	0.088	1.20	19824.1
	VEGETAL	1.863	37.26	27770.5				
107680.000	FIRME	8.773	175.56	93481.4	D TIERRA	8.398	168.32	55665.5
	S SEL2	5.942	118.33	48040.6	SUELO EST3	5.993	119.62	63677.8
	D FIRME	5.330	106.69	47998.5	TERRAPLEN	0.183	2.71	19826.9
	VEGETAL	1.884	37.46	27808.0				
107700.000	FIRME	8.763	175.36	93656.8	D TIERRA	8.828	172.26	55837.7
	S SEL2	5.840	117.82	48158.4	SUELO EST3	5.923	119.16	63797.0
	D FIRME	5.347	106.77	48105.3	TERRAPLEN	0.124	3.07	19829.9
	VEGETAL	1.832	37.16	27845.1				
107720.000	FIRME	9.831	185.95	93842.7	D TIERRA	10.540	193.68	56031.4
	S SEL2	6.343	121.83	48280.3	SUELO EST3	6.432	123.55	63920.5
	D FIRME	5.371	107.18	48212.5	TERRAPLEN	0.000	1.24	19831.2
	VEGETAL	2.308	41.40	27886.5				
107740.000	FIRME	9.822	196.53	94039.3	D TIERRA	10.466	210.07	56241.5
	S SEL2	6.334	126.77	48407.1	SUELO EST3	6.419	128.51	64049.0
	D FIRME	5.345	107.16	48319.7	TERRAPLEN	0.020	0.20	19831.4
	VEGETAL	2.339	46.48	27933.0				
107760.000	FIRME	9.812	196.33	94235.6	D TIERRA	10.522	209.88	56451.3
	S SEL2	6.323	126.58	48533.6	SUELO EST3	6.412	128.31	64177.3
	D FIRME	5.343	106.88	48426.5	TERRAPLEN	0.020	0.41	19831.8
	VEGETAL	2.340	46.80	27979.8				
107780.000	FIRME	9.802	196.13	94431.7	D TIERRA	10.744	212.66	56664.0
	S SEL2	6.313	126.36	48660.0	SUELO EST3	6.399	128.11	64305.4
	D FIRME	5.362	107.05	48533.6	TERRAPLEN	0.010	0.30	19832.1
	VEGETAL	2.459	47.99	28027.8				
107800.000	FIRME	8.720	185.22	94617.0	D TIERRA	8.313	190.57	56854.6
	S SEL2	5.895	122.08	48782.1	SUELO EST3	5.939	123.38	64428.8
	D FIRME	5.368	107.30	48640.9	TERRAPLEN	0.107	1.17	19833.3
	VEGETAL	1.835	42.94	28070.7				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 59
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107820.000	FIRME	9.830	185.51	94802.5	D TIERRA	14.941	232.54	57087.1
	S SEL2	6.130	120.25	48902.3	SUELO EST3	6.303	122.42	64551.2
	D FIRME	5.373	107.41	48748.3	TERRAPLEN	0.004	1.11	19834.4
	VEGETAL	2.274	41.09	28111.8				
107840.000	FIRME	9.796	196.26	94998.7	D TIERRA	17.902	328.42	57415.5
	S SEL2	6.088	122.18	49024.5	SUELO EST3	6.262	125.65	64676.9
	D FIRME	5.259	106.32	48854.6	TERRAPLEN	0.034	0.38	19834.7
	VEGETAL	2.803	50.77	28162.6				
107860.000	FIRME	9.765	195.61	95194.3	D TIERRA	14.155	320.57	57736.1
	S SEL2	6.275	123.63	49148.1	SUELO EST3	6.362	126.23	64803.1
	D FIRME	5.245	105.03	48959.6	TERRAPLEN	0.017	0.51	19835.3
	EXCAVA SANE0	9.803	98.03	22458.3	TERRAP SANE0	9.803	98.03	22620.8
107880.000	VEGETAL	2.323	51.26	28213.9				
	FIRME	9.757	195.22	95389.6	D TIERRA	18.519	326.74	58062.8
	S SEL2	6.266	125.41	49273.5	SUELO EST3	6.353	127.14	64930.3
	D FIRME	5.231	104.75	49064.4	TERRAPLEN	0.020	0.37	19835.6
107900.000	EXCAVA SANE0	0.000	98.03	22556.4	TERRAP SANE0	0.000	98.03	22718.8
	VEGETAL	2.960	52.83	28266.7				
	FIRME	9.751	195.08	95584.6	D TIERRA	21.986	405.04	58467.9
	S SEL2	6.261	125.26	49398.8	SUELO EST3	6.348	127.00	65057.3
107920.000	D FIRME	5.239	104.70	49169.1	TERRAPLEN	0.020	0.40	19836.0
	VEGETAL	2.834	57.94	28324.6				
	FIRME	9.562	193.13	95777.8	D TIERRA	17.309	392.95	58860.8
	S SEL2	5.453	117.14	49515.9	SUELO EST3	5.545	118.93	65176.2
107940.000	D FIRME	4.281	95.21	49264.3	TERRAPLEN	0.000	0.20	19836.2
	EXCAVA SANE0	2.350	23.50	22579.9	TERRAP SANE0	2.350	23.50	22742.3
	VEGETAL	2.684	55.17	28379.8				
	FIRME	9.753	193.15	95970.9	D TIERRA	13.761	310.70	59171.5
107960.000	S SEL2	6.264	117.17	49633.1	SUELO EST3	6.351	118.96	65295.2
	D FIRME	5.259	95.40	49359.7	EXCAVA SANE0	4.917	72.67	22652.5
	TERRAP SANE0	4.917	72.67	22815.0	VEGETAL	2.573	52.57	28432.4
	FIRME	9.761	195.15	96166.1	D TIERRA	8.790	225.51	59397.1

S SEL2	6.271	125.35	49758.5	SUELO EST3	6.358	127.10	65422.3
D FIRME	5.254	105.13	49464.8	TERRAPLEN	0.305	3.06	19839.3
EXCAVA SANE0	5.918	108.35	22760.9	TERRAP SANE0	5.918	108.35	22923.4
VEGETAL	2.459	50.32	28482.7				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 60
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107980.000	FIRME	9.772	195.33	96361.4	D TIERRA	5.158	139.48	59536.5
	S SEL2	6.282	125.53	49884.0	SUELO EST3	6.368	127.26	65549.5
	D FIRME	5.261	105.15	49570.0	TERRAPLEN	0.806	11.11	19850.4
	EXCAVA SANE0	6.982	129.00	22889.9	TERRAP SANE0	6.982	129.00	23052.4
108000.000	VEGETAL	2.341	48.00	28530.7				
	FIRME	8.703	184.75	96546.1	D TIERRA	2.372	75.30	59611.8
	S SEL2	5.891	121.73	50005.7	SUELO EST3	5.928	122.96	65672.5
	D FIRME	5.239	105.00	49675.0	TERRAPLEN	1.443	22.49	19872.9
108020.000	EXCAVA SANE0	7.168	141.50	23031.4	TERRAP SANE0	7.168	141.50	23193.9
	VEGETAL	1.845	41.86	28572.6				
	FIRME	8.717	174.20	96720.3	D TIERRA	1.739	41.11	59653.0
	S SEL2	5.977	118.68	50124.4	SUELO EST3	5.948	118.76	65791.2
108040.000	D FIRME	5.217	104.56	49779.5	TERRAPLEN	2.067	35.10	19908.0
	EXCAVA SANE0	7.386	145.54	23176.9	TERRAP SANE0	7.386	145.54	23339.4
	VEGETAL	1.891	37.37	28609.9				
	FIRME	8.732	174.49	96894.8	D TIERRA	0.578	23.16	59676.1
108060.000	S SEL2	6.016	119.92	50244.3	SUELO EST3	5.971	119.19	65910.4
	D FIRME	5.049	102.66	49882.2	TERRAPLEN	2.067	41.35	19949.3
	EXCAVA SANE0	7.498	148.84	23325.8	TERRAP SANE0	7.498	148.84	23488.3
	VEGETAL	1.918	38.10	28648.0				
108080.000	FIRME	8.746	174.78	97069.6	D TIERRA	0.221	7.99	59684.1
	S SEL2	6.055	120.70	50365.0	SUELO EST3	5.987	119.59	66030.0
	D FIRME	4.325	93.74	49975.9	TERRAPLEN	2.388	44.56	19993.9
	EXCAVA SANE0	7.636	151.34	23477.1	TERRAP SANE0	7.636	151.34	23639.6
108100.000	VEGETAL	1.946	38.64	28686.7				
	FIRME	8.760	175.06	97244.7	D TIERRA	0.139	3.60	59687.7
	S SEL2	6.094	121.49	50486.5	SUELO EST3	6.005	119.92	66149.9
	D FIRME	3.707	80.33	50056.3	TERRAPLEN	2.875	52.63	20046.5
108120.000	EXCAVA SANE0	7.732	153.68	23630.8	TERRAP SANE0	7.732	153.68	23793.3
	VEGETAL	1.969	39.15	28725.8				
	FIRME	8.773	175.33	97420.0	D TIERRA	0.092	2.31	59690.0
	S SEL2	6.093	121.87	50608.4	SUELO EST3	6.018	120.22	66270.2
108140.000	D FIRME	3.254	69.61	50125.9	TERRAPLEN	3.003	58.77	20105.3
	EXCAVA SANE0	7.757	154.89	23785.7	TERRAP SANE0	7.757	154.89	23948.2
	VEGETAL	1.968	39.37	28765.2				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 61
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108120.000	FIRME	8.784	175.57	97595.6	D TIERRA	0.048	1.40	59691.4
	S SEL2	6.123	122.16	50730.5	SUELO EST3	6.032	120.49	66390.6
	D FIRME	2.939	61.93	50187.8	TERRAPLEN	3.316	63.19	20168.5
	EXCAVA SANE0	7.816	155.73	23941.4	TERRAP SANE0	7.816	155.73	24103.9
	VEGETAL	1.986	39.54	28804.7				
108140.000	FIRME	8.794	175.78	97771.4	D TIERRA	0.062	1.10	59692.5
	S SEL2	6.167	122.90	50853.4	SUELO EST3	6.043	120.75	66511.4
	D FIRME	3.390	63.29	50251.1	TERRAPLEN	3.711	70.27	20238.8
	EXCAVA SANE0	7.903	157.19	24098.6	TERRAP SANE0	7.903	157.19	24261.1
	VEGETAL	2.013	39.99	28844.7				
108160.000	FIRME	8.804	175.97	97947.3	D TIERRA	0.027	0.89	59693.4
	S SEL2	6.166	123.33	50976.8	SUELO EST3	6.058	121.01	66632.4
	D FIRME	3.083	64.73	50315.8	TERRAPLEN	3.744	74.55	20313.3
	EXCAVA SANE0	7.890	157.92	24256.5	TERRAP SANE0	7.890	157.92	24419.0
	VEGETAL	2.016	40.29	28885.0				
108180.000	FIRME	8.812	176.16	98123.5	D TIERRA	0.007	0.34	59693.7
	S SEL2	6.161	123.27	51100.0	SUELO EST3	6.070	121.28	66753.7
	D FIRME	2.649	57.32	50373.1	TERRAPLEN	3.797	75.42	20388.7
	EXCAVA SANE0	7.889	157.79	24414.3	TERRAP SANE0	7.889	157.79	24576.8
	VEGETAL	2.016	40.32	28925.3				
108200.000	FIRME	8.820	176.32	98299.8	D TIERRA	0.000	0.07	59693.8
	S SEL2	6.181	123.42	51223.5	SUELO EST3	6.073	121.43	66875.1
	D FIRME	2.264	49.13	50422.3	TERRAPLEN	4.136	79.33	20468.1
	EXCAVA SANE0	7.922	158.11	24572.4	TERRAP SANE0	7.922	158.11	24734.9
	VEGETAL	2.024	40.40	28965.7				
108220.000	FIRME	8.826	176.46	98476.3	S SEL2	6.197	123.78	51347.3
	SUELO EST3	6.081	121.54	66996.7	D FIRME	1.991	42.54	50464.8
	TERRAPLEN	4.385	85.21	20553.3	EXCAVA SANE0	7.956	158.77	24731.2
	TERRAP SANE0	7.956	158.77	24893.7	VEGETAL	2.031	40.55	29006.3
108240.000	FIRME	8.833	176.59	98652.8	S SEL2	6.221	124.18	51471.4
	SUELO EST3	6.089	121.70	67118.4	D FIRME	2.193	41.83	50506.6
	TERRAPLEN	4.710	90.95	20644.2	EXCAVA SANE0	8.068	160.24	24891.4
	TERRAP SANE0	8.068	160.24	25053.9	VEGETAL	2.058	40.89	29047.2
108260.000	FIRME	8.837	176.70	98829.5	S SEL2	6.230	124.51	51595.9
	SUELO EST3	6.094	121.83	67240.2	D FIRME	1.747	39.40	50546.0
	TERRAPLEN	4.971	96.82	20741.0	EXCAVA SANE0	8.137	162.05	25053.5
	TERRAP SANE0	8.137	162.05	25216.0	VEGETAL	2.070	41.29	29088.4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108280.000	FIRME	8.841	176.79	99006.3	S SEL2	6.235	124.65	51720.6
	SUELO EST3	6.100	121.95	67362.1	D FIRME	1.569	33.17	50579.2
	TERRAPLEN	4.760	97.32	20838.4	EXCAVA SANE0	8.197	163.35	25216.8
	TERRAP SANE0	8.198	163.35	25379.3	VEGETAL	2.080	41.51	29129.9
108300.000	FIRME	8.845	176.86	99183.2	S SEL2	6.238	124.73	51845.3
	SUELO EST3	6.105	122.05	67484.2	D FIRME	1.549	31.19	50610.4
	TERRAPLEN	5.020	97.81	20936.2	EXCAVA SANE0	8.196	163.94	25380.8
	TERRAP SANE0	8.196	163.94	25543.2	VEGETAL	2.075	41.55	29171.5
108320.000	FIRME	8.847	176.92	99360.1	S SEL2	6.247	124.85	51970.2
	SUELO EST3	6.108	122.13	67606.3	D FIRME	1.588	31.38	50641.8
	TERRAPLEN	5.105	101.26	21037.4	EXCAVA SANE0	8.212	164.08	25544.8
	TERRAP SANE0	8.212	164.08	25707.3	VEGETAL	2.080	41.56	29213.1
108340.000	FIRME	8.848	176.95	99537.1	S SEL2	6.251	124.98	52095.2
	SUELO EST3	6.111	122.19	67728.5	D FIRME	1.609	31.98	50673.8
	TERRAPLEN	5.129	102.35	21139.8	EXCAVA SANE0	8.217	164.29	25709.1
	TERRAP SANE0	8.217	164.29	25871.6	VEGETAL	2.082	41.63	29254.7
108360.000	FIRME	8.851	176.99	99714.1	S SEL2	6.247	124.97	52220.1
	SUELO EST3	6.110	122.21	67850.7	D FIRME	1.631	32.41	50706.2
	TERRAPLEN	5.037	101.67	21241.4	EXCAVA SANE0	8.195	164.11	25873.2
	TERRAP SANE0	8.195	164.11	26035.7	VEGETAL	2.075	41.57	29296.3
108380.000	FIRME	8.850	177.02	99891.1	S SEL2	6.239	124.85	52345.0
	SUELO EST3	6.113	122.23	67973.0	D FIRME	1.609	32.40	50738.6
	TERRAPLEN	4.628	96.65	21338.1	EXCAVA SANE0	8.218	164.13	26037.4
	TERRAP SANE0	8.218	164.13	26199.9	VEGETAL	2.076	41.51	29337.8
108400.000	FIRME	8.850	177.00	100068.1	S SEL2	6.239	124.78	52469.8
	SUELO EST3	6.112	122.25	68095.2	D FIRME	1.688	32.96	50771.5
	TERRAPLEN	4.414	90.42	21428.5	EXCAVA SANE0	8.316	165.34	26202.7
	TERRAP SANE0	8.316	165.34	26365.2	VEGETAL	2.090	41.66	29379.4
108420.000	FIRME	8.849	176.98	100245.1	S SEL2	6.232	124.71	52594.5
	SUELO EST3	6.112	122.24	68217.4	D FIRME	1.721	34.09	50805.6
	TERRAPLEN	3.949	83.63	21512.1	EXCAVA SANE0	8.292	166.08	26368.8
	TERRAP SANE0	8.292	166.08	26531.3	VEGETAL	2.075	41.65	29421.1
108440.000	FIRME	8.847	176.96	100422.0	S SEL2	6.226	124.58	52719.1
	SUELO EST3	6.109	122.20	68339.6	D FIRME	1.563	32.84	50838.5
	TERRAPLEN	3.905	78.54	21590.7	EXCAVA SANE0	8.195	164.87	26533.7
	TERRAP SANE0	8.195	164.87	26696.2	VEGETAL	2.066	41.41	29462.5

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 63
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108460.000	FIRME	8.846	176.93	100598.9	S SEL2	6.249	124.75	52843.8
	SUELO EST3	6.106	122.15	68461.8	D FIRME	1.686	32.49	50870.9
	TERRAPLEN	4.568	84.73	21675.4	EXCAVA SANE0	8.351	165.46	26699.1
	TERRAP SANE0	8.351	165.46	26861.6	VEGETAL	2.103	41.69	29504.2
108480.000	FIRME	8.843	176.90	100775.8	S SEL2	6.248	124.96	52968.8
	SUELO EST3	6.104	122.10	68583.9	D FIRME	1.829	35.15	50906.1
	TERRAPLEN	3.987	85.55	21761.0	EXCAVA SANE0	8.360	167.12	26866.2
	TERRAP SANE0	8.360	167.12	27028.7	VEGETAL	2.092	41.95	29546.1
108500.000	FIRME	8.841	176.84	100952.7	S SEL2	6.240	124.88	53093.6
	SUELO EST3	6.103	122.07	68706.0	D FIRME	1.943	37.73	50943.8
	TERRAPLEN	3.811	77.98	21838.9	EXCAVA SANE0	8.255	166.15	27032.4
	TERRAP SANE0	8.255	166.15	27194.9	VEGETAL	2.074	41.67	29587.8
108520.000	FIRME	8.841	176.82	101129.5	D TIERRA	0.002	0.03	59693.8
	S SEL2	6.234	124.74	53218.4	SUELO EST3	6.099	122.02	68828.0
	D FIRME	1.933	38.76	50982.6	TERRAPLEN	3.878	76.89	21915.8
	EXCAVA SANE0	8.188	164.43	27196.8	TERRAP SANE0	8.188	164.43	27359.3
108540.000	VEGETAL	2.066	41.40	29629.2				
	FIRME	8.839	176.80	101306.3	D TIERRA	0.007	0.10	59693.9
	S SEL2	6.233	124.66	53343.0	SUELO EST3	6.096	121.96	68949.9
	D FIRME	1.990	39.23	51021.8	TERRAPLEN	3.703	75.81	21991.6
108560.000	EXCAVA SANE0	8.186	163.74	27360.6	TERRAP SANE0	8.186	163.74	27523.1
	VEGETAL	2.069	41.35	29670.5				
	FIRME	8.837	176.76	101483.0	D TIERRA	0.009	0.16	59694.1
	S SEL2	6.227	124.60	53467.6	SUELO EST3	6.096	121.92	69071.9
108580.000	D FIRME	2.527	45.17	51067.0	TERRAPLEN	3.518	72.20	22063.8
	EXCAVA SANE0	8.119	163.05	27523.6	TERRAP SANE0	8.120	163.05	27686.1
	VEGETAL	2.061	41.30	29711.8				
	FIRME	8.836	176.73	101659.8	D TIERRA	0.016	0.24	59694.3
108600.000	S SEL2	6.226	124.53	53592.2	SUELO EST3	6.094	121.90	69193.8
	D FIRME	2.792	53.19	51120.2	TERRAPLEN	3.120	66.38	22130.2
	EXCAVA SANE0	8.188	163.08	27686.7	TERRAP SANE0	8.189	163.08	27849.2
	VEGETAL	2.071	41.31	29753.2				
108620.000	FIRME	8.834	176.70	101836.5	D TIERRA	0.027	0.42	59694.8
	S SEL2	6.212	124.38	53716.6	SUELO EST3	6.094	121.88	69315.6
	D FIRME	2.907	56.99	51177.2	TERRAPLEN	2.683	58.03	22188.3
	EXCAVA SANE0	8.117	163.06	27849.8	TERRAP SANE0	8.117	163.06	28012.3
108640.000	VEGETAL	2.052	41.22	29794.4				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 64
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108620.000	FIRME	8.832	176.66	102013.1	D TIERRA	0.067	0.93	59695.7
	S SEL2	6.211	124.23	53840.8	SUELO EST3	6.091	121.84	69437.5

108640.000	D FIRME	3.237	61.44	51238.6	TERRAPLEN	2.246	49.29	22237.5
	EXCAVA SANE0	8.138	162.55	28012.3	TERRAP SANE0	8.138	162.55	28174.8
	VEGETAL	2.054	41.06	29835.4				
	FIRME	8.831	176.63	102189.8	D TIERRA	0.104	1.70	59697.4
108660.000	S SEL2	6.206	124.17	53965.0	SUELO EST3	6.087	121.77	69559.3
	D FIRME	3.651	68.87	51307.5	TERRAPLEN	2.132	43.78	22281.3
	EXCAVA SANE0	8.084	162.22	28174.5	TERRAP SANE0	8.084	162.22	28337.0
	VEGETAL	2.050	41.04	29876.5				
108680.000	FIRME	8.828	176.58	102366.3	D TIERRA	0.174	2.77	59700.2
	S SEL2	6.194	124.00	54089.0	SUELO EST3	6.085	121.72	69681.0
	D FIRME	3.940	75.90	51383.4	TERRAPLEN	2.013	41.45	22322.8
	EXCAVA SANE0	8.028	161.11	28335.6	TERRAP SANE0	8.028	161.12	28498.1
108700.000	VEGETAL	2.040	40.89	29917.4				
	FIRME	8.828	176.56	102542.9	D TIERRA	0.142	3.16	59703.3
	S SEL2	6.168	123.61	54212.6	SUELO EST3	6.082	121.67	69802.6
	D FIRME	3.706	76.46	51459.8	TERRAPLEN	2.053	40.66	22363.4
108720.000	EXCAVA SANE0	7.914	159.42	28495.1	TERRAP SANE0	7.914	159.42	28657.6
	VEGETAL	2.015	40.55	29957.9				
	FIRME	8.825	176.53	102719.4	D TIERRA	0.180	3.22	59706.6
	S SEL2	6.096	122.64	54335.2	SUELO EST3	6.084	121.65	69924.3
108740.000	D FIRME	3.464	71.70	51531.5	TERRAPLEN	1.696	37.48	22400.9
	EXCAVA SANE0	7.753	156.67	28651.7	TERRAP SANE0	7.753	156.67	28814.2
	VEGETAL	1.977	39.92	29997.8				
	FIRME	8.823	176.48	102895.9	D TIERRA	0.241	4.21	59710.8
108760.000	S SEL2	6.051	121.48	54456.7	SUELO EST3	6.077	121.60	70045.9
	D FIRME	3.345	68.09	51599.6	TERRAPLEN	1.415	31.11	22432.0
	EXCAVA SANE0	7.657	154.10	28805.8	TERRAP SANE0	7.657	154.10	28968.3
	VEGETAL	1.955	39.31	30037.2				
108780.000	FIRME	8.822	176.45	103072.4	D TIERRA	0.323	5.64	59716.4
	S SEL2	5.994	120.46	54577.1	SUELO EST3	6.054	121.31	70167.2
	D FIRME	3.573	69.18	51668.8	TERRAPLEN	1.184	25.99	22458.0
	EXCAVA SANE0	7.500	151.57	28957.4	TERRAP SANE0	7.500	151.57	29119.9
108800.000	VEGETAL	1.925	38.79	30075.9				

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 65
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108760.000	FIRME	8.820	176.43	103248.8	D TIERRA	0.412	7.35	59723.8
	S SEL2	5.947	119.41	54696.6	SUELO EST3	6.020	120.75	70288.0
	D FIRME	3.819	73.92	51742.7	TERRAPLEN	1.050	22.34	22480.4
	EXCAVA SANE0	7.383	148.82	29106.2	TERRAP SANE0	7.383	148.83	29268.7
108780.000	VEGETAL	1.900	38.25	30114.2				
	FIRME	8.819	176.39	103425.2	D TIERRA	0.560	9.71	59733.5
	S SEL2	5.909	118.56	54815.1	SUELO EST3	5.993	120.13	70408.1
	D FIRME	4.072	78.91	51821.6	TERRAPLEN	0.804	18.55	22498.9
108800.000	EXCAVA SANE0	7.300	146.83	29253.0	TERRAP SANE0	7.300	146.83	29415.6
	VEGETAL	1.883	37.83	30152.0				
	FIRME	9.330	181.49	103606.7	D TIERRA	1.046	16.06	59749.5
	S SEL2	6.113	120.22	54935.3	SUELO EST3	6.200	121.92	70530.0
108820.000	D FIRME	4.382	84.55	51906.2	TERRAPLEN	0.856	16.61	22515.5
	EXCAVA SANE0	9.083	163.83	29416.9	TERRAP SANE0	9.083	163.83	29579.4
	VEGETAL	2.137	40.21	30192.2				
	FIRME	9.197	185.27	103792.0	D TIERRA	1.061	21.08	59770.6
108840.000	S SEL2	6.013	121.26	55056.6	SUELO EST3	6.098	122.98	70653.0
	D FIRME	4.708	90.91	51997.1	TERRAPLEN	0.625	14.81	22530.3
	EXCAVA SANE0	8.715	177.98	29594.9	TERRAP SANE0	8.715	177.98	29757.4
	VEGETAL	2.051	41.88	30234.1				
108860.000	FIRME	8.809	180.06	103972.0	D TIERRA	0.885	19.47	59790.1
	S SEL2	5.825	118.38	55175.0	SUELO EST3	5.912	120.10	70773.1
	D FIRME	4.995	97.03	52094.1	TERRAPLEN	0.583	12.08	22542.4
	EXCAVA SANE0	7.899	166.14	29761.0	TERRAP SANE0	7.899	166.14	29923.5
108880.000	VEGETAL	1.861	39.12	30273.2				
	FIRME	8.983	177.92	104149.9	D TIERRA	1.183	20.69	59810.8
	S SEL2	5.903	117.28	55292.3	SUELO EST3	5.987	118.99	70892.1
	D FIRME	5.214	102.10	52196.2	TERRAPLEN	0.536	11.20	22553.6
108880.000	EXCAVA SANE0	8.113	160.12	29921.1	TERRAP SANE0	8.113	160.12	30083.6
	VEGETAL	1.911	37.72	30311.0				
	FIRME	9.203	181.86	104331.8	D TIERRA	1.839	30.22	59841.0
	S SEL2	6.038	119.40	55411.7	SUELO EST3	6.122	121.09	71013.2
108880.000	D FIRME	5.599	108.14	52304.4	TERRAPLEN	0.445	9.81	22563.4
	EXCAVA SANE0	6.079	141.92	30063.0	TERRAP SANE0	6.079	141.92	30225.6
	VEGETAL	1.873	37.84	30348.8				

109700.000	VEGETAL	1.491	31.05	31902.8					
	FIRME	9.433	183.62	112207.9	D TIERRA	6.392	130.23	69687.9	
	S SEL2	6.139	108.07	60379.5	SUELO EST3	6.224	109.82	76063.9	
	D FIRME	7.094	121.53	57310.2	TERRAPLEN	0.020	0.40	22605.9	
109720.000	VEGETAL	1.444	29.35	31932.2					
	FIRME	9.238	186.71	112394.6	D TIERRA	4.777	111.69	69799.5	
	S SEL2	5.974	121.14	60500.6	SUELO EST3	6.062	122.86	76186.8	
	D FIRME	6.960	140.54	57450.8	TERRAPLEN	0.020	0.41	22606.3	
	VEGETAL	1.380	28.24	31960.4					

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 71
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109740.000	FIRME	8.965	182.02	112576.6	D TIERRA	3.301	80.78	69880.3	
	S SEL2	5.769	117.43	60618.1	SUELO EST3	5.847	119.08	76305.9	
	D FIRME	6.760	137.20	57588.0	TERRAPLEN	0.057	0.77	22607.1	
	VEGETAL	1.306	26.87	31987.3					
109760.000	FIRME	8.376	173.41	112750.0	D TIERRA	1.382	46.82	69927.1	
	S SEL2	5.372	111.41	60729.5	SUELO EST3	5.457	113.04	76418.9	
	D FIRME	6.567	133.28	57721.2	TERRAPLEN	0.089	1.46	22608.5	
	VEGETAL	1.043	23.49	32010.8					
109780.000	FIRME	8.361	167.36	112917.4	D TIERRA	1.093	24.75	69951.9	
	S SEL2	5.387	107.59	60837.1	SUELO EST3	5.474	109.31	76528.2	
	D FIRME	5.923	124.90	57846.1	TERRAPLEN	0.148	2.37	22610.9	
	VEGETAL	1.131	21.74	32032.5					
109800.000	FIRME	8.332	166.93	113084.3	D TIERRA	1.021	21.14	69973.0	
	S SEL2	5.403	107.90	60945.0	SUELO EST3	5.489	109.63	76637.9	
	D FIRME	5.418	113.41	57959.5	TERRAPLEN	0.251	3.99	22614.9	
	VEGETAL	1.232	23.63	32056.2					
109820.000	FIRME	8.300	166.32	113250.6	D TIERRA	0.847	18.69	69991.7	
	S SEL2	5.454	108.56	61053.5	SUELO EST3	5.536	110.25	76748.1	
	D FIRME	4.814	102.33	58061.9	TERRAPLEN	0.427	6.78	22621.7	
	VEGETAL	1.373	26.05	32082.2					
109840.000	FIRME	9.853	181.53	113432.1	D TIERRA	1.459	23.07	70014.8	
	S SEL2	6.471	119.24	61172.8	SUELO EST3	6.555	120.91	76869.0	
	D FIRME	4.536	93.50	58155.4	TERRAPLEN	0.599	10.26	22631.9	
	VEGETAL	2.158	35.31	32117.5					
109860.000	FIRME	9.846	197.00	113629.1	D TIERRA	1.563	30.22	70045.0	
	S SEL2	6.455	129.26	61302.0	SUELO EST3	6.540	130.95	77000.0	
	D FIRME	4.313	88.49	58243.9	TERRAPLEN	1.249	18.48	22650.4	
	VEGETAL	2.258	44.16	32161.7					
109880.000	FIRME	9.850	196.96	113826.1	D TIERRA	1.683	32.46	70077.5	
	S SEL2	6.415	128.69	61430.7	SUELO EST3	6.501	130.42	77130.4	
	D FIRME	4.077	83.89	58327.8	TERRAPLEN	1.773	30.22	22680.6	
	VEGETAL	2.230	44.88	32206.6					
109900.000	FIRME	9.866	197.16	114023.3	D TIERRA	1.358	30.41	70107.9	
	S SEL2	6.425	128.39	61559.1	SUELO EST3	6.511	130.12	77260.5	
	D FIRME	3.589	76.66	58404.4	TERRAPLEN	2.261	40.34	22721.0	
	VEGETAL	2.238	44.68	32251.3					

Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 72
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109920.000	FIRME	9.899	197.66	114220.9	D TIERRA	0.968	23.26	70131.1	
	S SEL2	6.449	128.74	61687.9	SUELO EST3	6.542	130.52	77391.0	
	D FIRME	3.365	69.54	58474.0	TERRAPLEN	2.684	49.45	22770.4	
	VEGETAL	2.258	44.96	32296.2					
109940.000	FIRME	9.938	198.37	114419.3	D TIERRA	0.670	16.38	70147.5	
	S SEL2	6.483	129.33	61817.2	SUELO EST3	6.571	131.13	77522.1	
	D FIRME	3.254	66.19	58540.1	TERRAPLEN	2.946	56.30	22826.7	
	VEGETAL	2.278	45.36	32341.6					
109960.000	FIRME	9.974	199.11	114618.4	D TIERRA	0.466	11.36	70158.9	
	S SEL2	6.592	130.75	61947.9	SUELO EST3	6.676	132.47	77654.6	
	D FIRME	3.236	64.90	58605.1	TERRAPLEN	3.383	63.28	22890.0	
	VEGETAL	2.329	46.07	32387.6					
109980.000	FIRME	10.004	199.78	114818.2	D TIERRA	0.403	8.69	70167.6	
	S SEL2	6.652	132.43	62080.4	SUELO EST3	6.728	134.04	77788.7	
	D FIRME	3.314	65.50	58670.5	TERRAPLEN	3.368	67.51	22957.5	
	VEGETAL	2.357	46.86	32434.5					
110000.000	FIRME	10.027	200.32	115018.5	D TIERRA	0.389	7.92	70175.5	
	S SEL2	6.697	133.48	62213.9	SUELO EST3	6.754	134.82	77923.5	
	D FIRME	3.434	67.48	58738.0	TERRAPLEN	3.612	69.80	23027.3	
	VEGETAL	2.380	47.38	32481.9					
110020.000	FIRME	10.047	200.75	115219.2	D TIERRA	1.488	18.77	70194.3	
	S SEL2	6.687	133.84	62347.7	SUELO EST3	6.750	135.04	78058.5	
	D FIRME	3.668	71.02	58809.0	TERRAPLEN	0.088	37.00	23064.3	
	VEGETAL	2.383	47.63	32529.5					
110040.000	FIRME	10.062	201.09	115420.3	D TIERRA	0.301	17.89	70212.2	
	S SEL2	6.831	135.19	62482.9	SUELO EST3	6.798	135.48	78194.0	
	D FIRME	3.829	74.97	58884.0	TERRAPLEN	0.384	4.72	23069.0	
	VEGETAL	2.447	48.29	32577.8					
110060.000	FIRME	9.868	199.30	115619.6	D TIERRA	0.749	10.50	70222.7	
	S SEL2	6.559	133.91	62616.8	SUELO EST3	6.627	134.24	78328.2	
	D FIRME	4.189	80.17	58964.2	TERRAPLEN	0.045	4.28	23073.3	
	VEGETAL	2.323	47.70	32625.5					
110080.000	FIRME	9.640	195.08	115814.7	D TIERRA	2.337	30.86	70253.5	
	S SEL2	6.425	129.84	62746.6	SUELO EST3	6.485	131.12	78459.4	
	D FIRME	4.700	88.89	59053.1	TERRAPLEN	0.024	0.69	23074.0	

EXCAVA SANEO	0.001	0.01	30965.9	TERRAP SANEO	0.001	0.01	31128.5
VEGETAL	2.231	45.54	32671.0				
Istram 18.05.05.29 17/07/18 18:00:29 459 pagina 73							
PROYECTO : EJE: 1: Autov ^{da} de Castilla A-62: Due ^{ña} s-Cigales Dch.							

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
110100.000	FIRME	9.408	190.47	116005.2	D TIERRA	2.948	52.85	70306.4	
	S SEL2	6.153	125.77	62872.4	SUELO EST3	6.239	127.24	78586.6	
	D FIRME	4.964	96.64	59149.7	TERRAPLEN	0.021	0.45	23074.5	
	EXCAVA SANEO	0.000	0.01	30965.9	TERRAP SANEO	0.000	0.01	31128.5	
110120.000	VEGETAL	2.081	43.11	32714.2					
	FIRME	9.175	185.83	116191.0	D TIERRA	0.774	37.22	70343.6	
	S SEL2	6.294	124.47	62996.9	SUELO EST3	6.207	124.47	78711.1	
	D FIRME	5.163	101.27	59251.0	TERRAPLEN	2.125	21.46	23095.9	
110140.000	VEGETAL	2.107	41.87	32756.0					
	FIRME	8.943	181.18	116372.2	D TIERRA	0.876	16.50	70360.1	
	S SEL2	6.195	124.89	63121.8	SUELO EST3	6.052	122.60	78833.7	
	D FIRME	5.256	104.19	59355.2	TERRAPLEN	2.154	42.79	23138.7	
110160.000	VEGETAL	2.063	41.70	32797.7					
	FIRME	8.710	176.53	116548.7	D TIERRA	0.972	18.47	70378.6	
	S SEL2	6.039	122.34	63244.1	SUELO EST3	5.897	119.50	78953.2	
	D FIRME	5.282	105.38	59460.5	TERRAPLEN	2.121	42.75	23181.5	
110180.000	VEGETAL	1.961	40.24	32838.0					
	FIRME	8.505	172.15	116720.9	D TIERRA	1.021	19.93	70398.5	
	S SEL2	5.905	119.44	63363.6	SUELO EST3	5.761	116.58	79069.7	
	D FIRME	5.270	105.51	59566.1	TERRAPLEN	1.956	40.77	23222.2	
110200.000	VEGETAL	1.872	38.33	32876.3					
	FIRME	8.505	170.10	116891.0	D TIERRA	1.531	25.52	70424.0	
	S SEL2	5.903	118.08	63481.6	SUELO EST3	5.758	115.18	79184.9	
	D FIRME	5.297	105.67	59671.7	TERRAPLEN	1.774	37.30	23259.5	
110220.000	VEGETAL	1.851	37.23	32913.5					
	FIRME	8.505	170.10	117061.1	D TIERRA	2.265	37.96	70462.0	
	S SEL2	5.896	117.99	63599.6	SUELO EST3	5.755	115.12	79300.0	
	D FIRME	5.287	105.84	59777.6	TERRAPLEN	1.158	29.32	23288.9	
110240.000	VEGETAL	1.847	36.98	32950.5					
	FIRME	8.505	170.11	117231.2	D TIERRA	3.484	57.49	70519.5	
	S SEL2	5.882	117.79	63717.4	SUELO EST3	5.762	115.17	79415.2	
	D FIRME	5.269	105.56	59883.1	TERRAPLEN	0.969	21.27	23310.1	
110260.000	VEGETAL	1.833	36.80	32987.3					
	FIRME	8.506	170.11	117401.3	D TIERRA	3.635	71.19	70590.6	
	S SEL2	5.863	117.45	63834.9	SUELO EST3	5.762	115.24	79530.5	
	D FIRME	5.246	105.15	59988.3	TERRAPLEN	1.425	23.94	23334.1	
	VEGETAL	1.828	36.61	33023.9					

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
110460.000	FIRME	8.507	170.15	119102.7	D TIERRA	7.104	140.00	71691.8	
	S SEL2	5.674	113.76	64980.8	SUELO EST3	5.732	114.79	80679.5	
	D FIRME	5.134	102.92	61012.0	TERRAPLEN	0.022	0.45	23437.9	
	VEGETAL	1.788	35.78	33387.5					
110480.000	FIRME	8.508	170.16	119272.8	D TIERRA	7.285	143.88	71835.6	
	S SEL2	5.692	113.66	65094.5	SUELO EST3	5.742	114.74	80794.2	
	D FIRME	5.157	102.91	61114.9	TERRAPLEN	0.023	0.46	23438.3	
	VEGETAL	1.786	35.74	33423.2					
110500.000	FIRME	8.508	170.16	119443.0	D TIERRA	7.837	151.22	71986.9	
	S SEL2	5.707	113.99	65208.5	SUELO EST3	5.748	114.90	80909.1	
	D FIRME	5.202	103.59	61218.5	TERRAPLEN	0.022	0.46	23438.8	
	VEGETAL	1.775	35.61	33458.8					
110520.000	FIRME	8.507	170.15	119613.1	D TIERRA	7.910	157.47	72144.3	
	S SEL2	5.693	114.00	65322.5	SUELO EST3	5.742	114.90	81024.0	
	D FIRME	5.202	104.05	61322.5	TERRAPLEN	0.022	0.44	23439.2	
	VEGETAL	1.768	35.42	33494.2					
110540.000	FIRME	8.508	170.14	119783.3	D TIERRA	8.295	162.04	72306.4	
	S SEL2	5.683	113.77	65436.2	SUELO EST3	5.738	114.80	81138.8	
	D FIRME	5.205	104.07	61426.6	TERRAPLEN	0.022	0.43	23439.6	
	VEGETAL	1.763	35.31	33529.5					
110560.000	FIRME	8.508	170.15	119953.4	D TIERRA	8.655	169.50	72475.9	
	S SEL2	5.671	113.55	65549.8	SUELO EST3	5.731	114.69	81253.5	
	D FIRME	5.206	104.11	61530.7	TERRAPLEN	0.022	0.43	23440.1	
	VEGETAL	1.758	35.21	33564.7					
110580.000	FIRME	8.509	170.16	120123.6	D TIERRA	8.518	171.73	72647.6	
	S SEL2	5.697	113.69	65663.5	SUELO EST3	5.745	114.76	81368.3	
	D FIRME	5.192	103.98	61634.7	TERRAPLEN	0.022	0.43	23440.5	
	VEGETAL	1.775	35.32	33600.1					
110600.000	FIRME	8.511	170.19	120293.8	D TIERRA	8.306	168.24	72815.8	
	S SEL2	5.736	114.34	65777.8	SUELO EST3	5.759	115.04	81483.3	
	D FIRME	5.208	103.99	61738.7	TERRAPLEN	0.038	0.60	23441.1	
	VEGETAL	1.786	35.60	33635.7					
110620.000	FIRME	8.513	170.24	120464.0	D TIERRA	8.385	166.91	72982.8	
	S SEL2	5.695	114.31	65892.1	SUELO EST3	5.746	115.05	81598.4	
	D FIRME	5.208	104.15	61842.9	TERRAPLEN	0.034	0.72	23441.8	
	VEGETAL	1.769	35.54	33671.2					

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 76
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
110640.000	FIRME	8.515	170.28	120634.3	D TIERRA	8.731	171.15	73153.9	
	S SEL2	5.686	113.80	66005.9	SUELO EST3	5.743	114.89	81713.2	
	D FIRME	5.203	104.11	61947.0	TERRAPLEN	0.027	0.61	23442.4	
	VEGETAL	1.766	35.35	33706.6					
110660.000	FIRME	8.518	170.33	120804.6	D TIERRA	9.095	178.25	73332.2	
	S SEL2	5.718	114.04	66119.9	SUELO EST3	5.758	115.01	81828.2	
	D FIRME	5.198	104.02	62051.0	TERRAPLEN	0.022	0.50	23442.9	
	VEGETAL	1.783	35.49	33742.1					
110680.000	FIRME	8.523	170.41	120975.1	D TIERRA	9.093	181.88	73514.0	
	S SEL2	5.578	112.96	66232.9	SUELO EST3	5.665	114.23	81942.5	
	D FIRME	5.211	104.09	62155.1	TERRAPLEN	0.025	0.48	23443.4	
	VEGETAL	1.720	35.03	33777.1					
110700.000	FIRME	8.506	170.29	121145.3	D TIERRA	9.289	183.81	73697.9	
	S SEL2	5.500	110.77	66343.7	SUELO EST3	5.587	112.52	82055.0	
	D FIRME	5.231	104.42	62259.5	TERRAPLEN	0.002	0.28	23443.7	
	VEGETAL	1.663	33.83	33810.9					
110720.000	FIRME	9.610	181.17	121326.5	D TIERRA	10.469	197.58	73895.4	
	S SEL2	6.132	116.31	66460.0	SUELO EST3	6.221	118.08	82173.1	
	D FIRME	5.313	105.44	62364.9	TERRAPLEN	0.022	0.24	23443.9	
	EXCAVA SANE0	7.080	70.80	31036.7	TERRAP SANE0	7.080	70.80	31199.3	
110740.000	VEGETAL	2.187	38.50	33849.4					
	FIRME	9.616	192.26	121518.8	D TIERRA	10.148	206.17	74101.6	
	S SEL2	6.138	122.70	66582.7	SUELO EST3	6.225	124.46	82297.5	
	D FIRME	5.323	106.36	62471.3	TERRAPLEN	0.020	0.42	23444.3	
110760.000	EXCAVA SANE0	7.100	141.80	31178.5	TERRAP SANE0	7.100	141.80	31341.1	
	VEGETAL	2.203	43.90	33893.3					
	FIRME	8.539	181.55	121700.3	D TIERRA	7.652	178.00	74279.6	
	S SEL2	5.561	116.99	66699.7	SUELO EST3	5.646	118.71	82416.2	
110780.000	D FIRME	5.328	106.51	62577.8	TERRAPLEN	0.257	2.77	23447.1	
	EXCAVA SANE0	5.405	125.05	31303.6	TERRAP SANE0	5.405	125.05	31466.1	
	VEGETAL	1.665	38.68	33932.0					
	FIRME	8.548	170.87	121871.2	D TIERRA	7.943	155.95	74435.5	
	S SEL2	5.618	111.79	66811.5	SUELO EST3	5.704	113.50	82529.7	
	D FIRME	5.320	106.48	62684.3	TERRAPLEN	0.000	2.57	23449.7	
	EXCAVA SANE0	4.961	103.67	31407.3	TERRAP SANE0	4.961	103.67	31569.8	
	VEGETAL	1.675	33.40	33965.4					

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 77
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
110800.000	FIRME	8.554	171.01	122042.2	D TIERRA	7.618	155.61	74591.2	
	S SEL2	5.676	112.94	66924.4	SUELO EST3	5.750	114.53	82644.3	
	D FIRME	5.315	106.35	62790.6	TERRAPLEN	0.002	0.02	23449.7	
	EXCAVA SANE0	5.092	100.54	31507.8	TERRAP SANE0	5.092	100.54	31670.3	

110820.000	VEGETAL	1.703	33.78	33999.2					
	FIRME	8.560	171.14	122213.3	D TIERRA	7.704	153.23	74744.4	
	S SEL2	5.689	113.65	67038.1	SUELO EST3	5.761	115.11	82759.4	
	D FIRME	5.318	106.33	62897.0	TERRAPLEN	0.001	0.03	23449.7	
110840.000	EXCAVA SANE0	5.118	102.11	31609.9	TERRAP SANE0	5.118	102.11	31772.4	
	VEGETAL	1.708	34.11	34033.3					
	FIRME	8.568	171.28	122384.6	D TIERRA	7.871	155.75	74900.1	
	S SEL2	5.736	114.26	67152.3	SUELO EST3	5.789	115.51	82874.9	
110860.000	D FIRME	5.326	106.44	63003.4	TERRAPLEN	0.010	0.12	23449.9	
	EXCAVA SANE0	5.211	103.29	31713.2	TERRAP SANE0	5.211	103.29	31875.7	
	VEGETAL	1.727	34.36	34067.6					
	FIRME	8.575	171.43	122556.1	D TIERRA	7.644	155.15	75055.3	
110880.000	S SEL2	5.765	115.01	67267.3	SUELO EST3	5.804	115.93	82990.8	
	D FIRME	5.320	106.45	63109.8	TERRAPLEN	0.042	0.52	23450.4	
	EXCAVA SANE0	5.278	104.88	31818.1	TERRAP SANE0	5.278	104.88	31980.6	
	VEGETAL	1.743	34.70	34102.3					
110900.000	FIRME	8.582	171.57	122727.6	D TIERRA	7.296	149.40	75204.7	
	S SEL2	5.790	115.55	67382.9	SUELO EST3	5.818	116.22	83107.0	
	D FIRME	5.322	106.41	63216.3	TERRAPLEN	0.104	1.45	23451.8	
	EXCAVA SANE0	5.330	106.08	31924.2	TERRAP SANE0	5.330	106.08	32086.7	
110920.000	VEGETAL	1.754	34.97	34137.3					
	FIRME	8.591	171.73	122899.3	D TIERRA	7.007	143.03	75347.7	
	S SEL2	5.780	115.70	67498.6	SUELO EST3	5.819	116.37	83223.4	
	D FIRME	5.308	106.29	63322.6	TERRAPLEN	0.063	1.66	23453.5	
110940.000	EXCAVA SANE0	5.328	106.58	32030.7	TERRAP SANE0	5.328	106.58	32193.3	
	VEGETAL	1.757	35.12	34172.4					
	FIRME	8.600	171.91	123071.3	D TIERRA	6.454	134.61	75482.3	
	S SEL2	5.786	115.66	67614.2	SUELO EST3	5.826	116.45	83339.9	
110960.000	D FIRME	5.299	106.06	63428.6	TERRAPLEN	0.033	0.96	23454.5	
	EXCAVA SANE0	5.353	106.80	32137.5	TERRAP SANE0	5.353	106.80	32300.1	
	VEGETAL	1.766	35.23	34207.7					

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 78
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
=====									
110940.000	FIRME	8.610	172.10	123243.4	D TIERRA	7.108	135.61	75617.9	
	S SEL2	5.822	116.09	67730.3	SUELO EST3	5.843	116.69	83456.6	
	D FIRME	5.271	105.69	63534.3	TERRAPLEN	0.087	1.20	23455.7	
	EXCAVA SANE0	5.466	108.18	32245.7	TERRAP SANE0	5.466	108.18	32408.3	
110960.000	VEGETAL	1.794	35.60	34243.3					
	FIRME	8.624	172.34	123415.7	D TIERRA	7.751	148.58	75766.5	
	S SEL2	5.816	116.39	67846.7	SUELO EST3	5.851	116.94	83573.5	
	D FIRME	5.280	105.51	63639.8	TERRAPLEN	0.110	1.96	23457.6	
110980.000	EXCAVA SANE0	5.440	109.06	32354.8	TERRAP SANE0	5.440	109.06	32517.3	
	VEGETAL	1.786	35.80	34279.1					
	FIRME	8.642	172.66	123588.4	D TIERRA	7.972	157.22	75923.7	
	S SEL2	5.830	116.47	67963.2	SUELO EST3	5.867	117.18	83690.7	
111000.000	D FIRME	5.293	105.73	63745.6	TERRAPLEN	0.058	1.67	23459.3	
	EXCAVA SANE0	5.457	108.97	32463.8	TERRAP SANE0	5.457	108.97	32626.3	
	VEGETAL	1.792	35.78	34314.8					
	FIRME	8.661	173.03	123761.4	D TIERRA	7.414	153.86	76077.6	
111020.000	S SEL2	5.870	117.00	68080.2	SUELO EST3	5.893	117.60	83808.3	
	D FIRME	5.293	105.86	63851.4	TERRAPLEN	0.098	1.56	23460.8	
	EXCAVA SANE0	5.537	109.94	32573.7	TERRAP SANE0	5.537	109.94	32736.2	
	VEGETAL	1.813	36.05	34350.9					
111040.000	FIRME	8.687	173.48	123934.9	D TIERRA	7.548	149.61	76227.2	
	S SEL2	5.832	117.02	68197.2	SUELO EST3	5.892	117.85	83926.1	
	D FIRME	5.291	105.84	63957.2	TERRAPLEN	0.014	1.12	23462.0	
	EXCAVA SANE0	5.463	110.00	32683.7	TERRAP SANE0	5.463	110.00	32846.2	
111060.000	VEGETAL	1.806	36.19	34387.1					
	FIRME	8.712	173.99	124108.9	D TIERRA	7.885	154.33	76381.5	
	S SEL2	5.849	116.81	68314.0	SUELO EST3	5.914	118.06	84044.2	
	D FIRME	5.286	105.77	64063.0	TERRAPLEN	0.000	0.14	23462.1	
111080.000	EXCAVA SANE0	5.504	109.66	32793.4	TERRAP SANE0	5.504	109.66	32955.9	
	VEGETAL	1.823	36.29	34423.4					
	FIRME	8.741	174.53	124283.4	D TIERRA	8.053	159.38	76540.9	
	S SEL2	5.909	117.58	68431.6	SUELO EST3	5.959	118.73	84162.9	
111100.000	D FIRME	5.281	105.67	64168.7	EXCAVA SANE0	5.642	111.45	32904.8	
	TERRAP SANE0	5.642	111.45	33067.3	VEGETAL	1.858	36.81	34460.2	
	FIRME	8.772	175.14	124458.5	D TIERRA	8.233	162.86	76703.8	
	S SEL2	5.962	118.71	68550.3	SUELO EST3	6.001	119.60	84282.5	
111120.000	D FIRME	5.292	105.73	64274.4	EXCAVA SANE0	5.740	113.82	33018.6	
	TERRAP SANE0	5.740	113.82	33181.2	VEGETAL	1.885	37.43	34497.6	

111160.000	S SEL2	6.166	122.75	68914.4	SUELO EST3	6.106	121.90	84646.2
	D FIRME	5.305	106.06	64592.4	TERRAPLEN	0.156	1.99	23464.7
	EXCAVA SANE0	6.156	122.08	33376.5	TERRAP SANE0	6.156	122.08	33539.0
	VEGETAL	1.989	39.49	34614.0				
	FIRME	8.857	177.02	125164.3	D TIERRA	6.213	131.06	77308.9
	S SEL2	6.238	124.04	69038.5	SUELO EST3	6.124	122.30	84768.5
	D FIRME	5.291	105.96	64698.3	TERRAPLEN	0.451	6.07	23470.8
	EXCAVA SANE0	6.321	124.76	33501.2	TERRAP SANE0	6.321	124.76	33663.8
	VEGETAL	2.040	40.28	34654.3				
	FIRME	8.866	177.23	125341.5	D TIERRA	6.175	123.88	77432.7
111180.000	S SEL2	6.274	125.12	69163.6	SUELO EST3	6.135	122.60	84891.1
	D FIRME	5.294	105.85	64804.2	TERRAPLEN	0.750	12.01	23482.8
	EXCAVA SANE0	6.460	127.80	33629.0	TERRAP SANE0	6.460	127.80	33791.6
	VEGETAL	2.080	41.20	34695.5				
	FIRME	8.868	177.34	125518.8	D TIERRA	6.191	123.65	77556.4
	S SEL2	6.279	125.54	69289.1	SUELO EST3	6.138	122.73	85013.8
	D FIRME	5.295	105.89	64910.1	TERRAPLEN	1.011	17.61	23500.4
	EXCAVA SANE0	6.521	129.81	33758.9	TERRAP SANE0	6.521	129.81	33921.4
	VEGETAL	2.099	41.79	34737.3				
	FIRME	8.865	177.33	125696.2	D TIERRA	5.836	120.26	77676.7
111200.000	S SEL2	6.276	125.56	69414.7	SUELO EST3	6.132	122.70	85136.5
	D FIRME	5.277	105.72	65015.8	TERRAPLEN	1.129	21.40	23521.8
	EXCAVA SANE0	6.542	130.63	33889.5	TERRAP SANE0	6.542	130.63	34052.0
	VEGETAL	2.107	42.06	34779.3				
	FIRME	8.865	177.33	125696.2	D TIERRA	5.836	120.26	77676.7
	S SEL2	6.276	125.56	69414.7	SUELO EST3	6.132	122.70	85136.5
	D FIRME	5.277	105.72	65015.8	TERRAPLEN	1.129	21.40	23521.8
	EXCAVA SANE0	6.542	130.63	33889.5	TERRAP SANE0	6.542	130.63	34052.0
	VEGETAL	2.107	42.06	34779.3				
	FIRME	8.865	177.33	125696.2	D TIERRA	5.836	120.26	77676.7

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 80
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ñas}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
111240.000	FIRME	8.859	177.24	125873.4	D TIERRA	6.188	120.24	77796.9
	S SEL2	6.032	123.08	69537.8	SUELO EST3	6.095	122.27	85258.8
	D FIRME	5.296	105.73	65121.5	TERRAPLEN	0.041	11.70	23533.5
	EXCAVA SANE0	5.889	124.31	34013.8	TERRAP SANE0	5.889	124.31	34176.3
	VEGETAL	1.943	40.50	34819.8				
	FIRME	8.855	177.14	126050.6	D TIERRA	6.290	124.78	77921.7
	S SEL2	6.009	120.41	69658.2	SUELO EST3	6.077	121.71	85380.5
	D FIRME	5.308	106.04	65227.6	TERRAPLEN	0.000	0.41	23533.9
	EXCAVA SANE0	5.821	117.11	34130.9	TERRAP SANE0	5.821	117.11	34293.4
	VEGETAL	1.926	38.69	34858.5				
111260.000	FIRME	8.848	177.04	126227.6	D TIERRA	5.409	116.98	78038.7
	S SEL2	6.105	121.14	69779.3	SUELO EST3	6.108	121.85	85502.4
	D FIRME	5.309	106.17	65333.7	TERRAPLEN	0.057	0.57	23534.5
	EXCAVA SANE0	6.029	118.50	34249.4	TERRAP SANE0	6.029	118.50	34411.9
	VEGETAL	1.965	38.91	34897.4				
	FIRME	8.843	176.92	126404.5	D TIERRA	5.317	107.25	78145.9
	S SEL2	6.093	121.98	69901.3	SUELO EST3	6.099	122.08	85624.4
	D FIRME	5.294	106.03	65439.8	TERRAPLEN	0.068	1.24	23535.7
	EXCAVA SANE0	6.024	120.53	34369.9	TERRAP SANE0	6.024	120.53	34532.5
	VEGETAL	1.964	39.28	34936.7				
111320.000	FIRME	8.837	176.80	126581.3	D TIERRA	5.319	106.36	78252.3
	S SEL2	6.138	122.31	70023.6	SUELO EST3	6.094	121.93	85746.4
	D FIRME	5.296	105.90	65545.7	TERRAPLEN	0.054	1.22	23536.9
	EXCAVA SANE0	6.119	121.43	34491.4	TERRAP SANE0	6.119	121.43	34653.9
	VEGETAL	1.980	39.44	34976.1				
	FIRME	8.830	176.66	126758.0	D TIERRA	5.578	108.97	78361.2
	S SEL2	6.159	122.97	70146.6	SUELO EST3	6.085	121.79	85868.2
	D FIRME	5.280	105.76	65651.4	TERRAPLEN	0.043	0.97	23537.9
	EXCAVA SANE0	6.195	123.14	34614.5	TERRAP SANE0	6.195	123.14	34777.0
	VEGETAL	1.995	39.75	35015.9				
111340.000	FIRME	8.822	176.52	126934.5	D TIERRA	5.491	110.69	78471.9
	S SEL2	6.150	123.09	70269.7	SUELO EST3	6.075	121.60	85989.8
	D FIRME	5.294	105.74	65757.2	TERRAPLEN	0.051	0.95	23538.8
	EXCAVA SANE0	6.157	123.52	34738.0	TERRAP SANE0	6.157	123.52	34900.6
	VEGETAL	1.983	39.78	35055.7				
	FIRME	8.830	176.66	126758.0	D TIERRA	5.578	108.97	78361.2
	S SEL2	6.159	122.97	70146.6	SUELO EST3	6.085	121.79	85868.2
	D FIRME	5.280	105.76	65651.4	TERRAPLEN	0.043	0.97	23537.9
	EXCAVA SANE0	6.195	123.14	34614.5	TERRAP SANE0	6.195	123.14	34777.0
	VEGETAL	1.995	39.75	35015.9				
111360.000	FIRME	8.822	176.52	126934.5	D TIERRA	5.491	110.69	78471.9
	S SEL2	6.150	123.09	70269.7	SUELO EST3	6.075	121.60	85989.8
	D FIRME	5.294	105.74	65757.2	TERRAPLEN	0.051	0.95	23538.8
	EXCAVA SANE0	6.157	123.52	34738.0	TERRAP SANE0	6.157	123.52	34900.6
	VEGETAL	1.983	39.78	35055.7				
	FIRME	8.830	176.66	126758.0	D TIERRA	5.578	108.97	78361.2
	S SEL2	6.159	122.97	70146.6	SUELO EST3	6.085	121.79	85868.2
	D FIRME	5.280	105.76	65651.4	TERRAPLEN	0.043	0.97	23537.9
	EXCAVA SANE0	6.195	123.14	34614.5	TERRAP SANE0	6.195	123.14	34777.0
	VEGETAL	1.995	39.75	35015.9				

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 81
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ñas}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
111380.000	FIRME	8.815	176.36	127110.8	D TIERRA	6.213	117.04	78589.0
	S SEL2	6.087	122.37	70392.1	SUELO EST3	6.065	121.40	86111.2
	D FIRME	5.320	106.14	65863.3	TERRAPLEN	0.012	0.64	23539.5
	EXCAVA SANE0	5.975	121.33	34859.4	TERRAP SANE0	5.975	121.33	35021.9
	VEGETAL	1.942	39.25	35094.9				
	FIRME	8.807	176.21	127287.1	D TIERRA	6.895	131.08	78720.1
	S SEL2	6.033	121.20	70513.2	SUELO EST3	6.050	121.15	86232.3
	D FIRME	5.315	106.35	65969.7	TERRAPLEN	0.001	0.13	23539.6
	EXCAVA SANE0	5.865	118.40	34977.8	TERRAP SANE0	5.865	118.40	35140.3
	VEGETAL	1.919	38.61	35133.5				
111400.000	FIRME	8.797	176.04	127463.1	D TIERRA	7.547	144.41	78864.5
	S SEL2	5.974	120.07	70633.3	SUELO EST3	6.022	120.73	86353.1
	D FIRME	5.319	106.34	66076.0	EXCAVA SANE0	5.732	115.97	35093.7
	TERRAP SANE0	5.732	115.97	35256.3	VEGETAL	1.890	38.08	35171.6
	FIRME	8.783	175.80	127638.9	D TIERRA	8.184	157.30	79021.8
	S SEL2	5.871	118.45	70751.8	SUELO EST3	5.953	119.76	86472.8
	D FIRME	5.328	106.47	66182.5	EXCAVA SANE0	5.498	112.30	35206.0
	TERRAP SANE0	5.498	112.30	35368.6	VEGETAL	1.839	37.29	35208.9
	FIRME	8.761	175.44	127814.3	D TIERRA	8.830	170.13	79191.9
	S SEL2	5.780	116.51	70868.3	SUELO EST3	5.866	118.20	86591.0
111420.000	D FIRME	5.342	106.70	66289.2	TERRAPLEN	0.014	0.14	23539.7
	FIRME	8.761	175.44	127814.3	D TIERRA	8.830	170.13	79191.9
	S SEL2	5.780	116.51	70868.3	SUELO EST3	5.866	118.20	86591.0
	D FIRME	5.342	106.70	66289.2	TERRAPLEN	0.014	0.14	23539.7
	FIRME	8.761	175.44	127814.3	D TIERRA	8.830	170.13	79191.9
	S SEL2	5.780	116.51	70868.3	SUELO EST3	5.866	118.20	86591.0
	D FIRME	5.342	106.70	66289.2	TERRAPLEN	0.014	0.14	23539.7
	FIRME	8.761	175.44	127814.3	D TIERRA	8.830	170.13	79191.9
	S SEL2	5.780	116.51	70868.3	SUELO EST3	5.866	118.20	86591.0
	D FIRME	5.342	106.70	66289.2	TERRAPLEN	0.014	0.14	23539.7

111480.000	EXCAVA SANE0	5.859	113.58	35319.6	TERRAP SANE0	5.859	113.58	35482.1
	VEGETAL	1.805	36.44	35245.3				
	FIRME	8.725	174.86	127989.2	D TIERRA	9.426	182.56	79374.5
	S SEL2	5.712	114.92	70983.2	SUELO EST3	5.799	116.66	86707.7
	D FIRME	5.042	103.84	66393.0	TERRAPLEN	0.004	0.18	23539.9
111500.000	EXCAVA SANE0	5.721	115.80	35435.4	TERRAP SANE0	5.721	115.80	35597.9
	VEGETAL	1.762	35.67	35281.0				
	FIRME	8.712	174.37	128163.6	D TIERRA	8.378	178.05	79552.5
	S SEL2	5.865	115.77	71099.0	SUELO EST3	5.922	117.21	86824.9
	D FIRME	5.326	103.67	66496.7	TERRAPLEN	0.000	0.04	23540.0
111520.000	EXCAVA SANE0	5.488	112.09	35547.5	TERRAP SANE0	5.488	112.09	35710.0
	VEGETAL	1.814	35.76	35316.8				
	FIRME	8.683	173.95	128337.5	D TIERRA	9.124	175.02	79727.5
	S SEL2	5.842	117.07	71216.0	SUELO EST3	5.895	118.17	86943.0
	D FIRME	5.315	106.41	66603.1	EXCAVA SANE0	5.452	109.40	35656.9
	TERRAP SANE0	5.452	109.40	35819.4	VEGETAL	1.800	36.14	35352.9

111800.000	FIRME	7.572	150.00	130467.4	D TIERRA	8.805	170.77	81924.1
	S SEL2	4.544	89.77	72518.8	SUELO EST3	4.631	91.51	88269.8
	D FIRME	6.743	132.86	68235.3	TERRAPLEN	0.018	0.36	23544.2
	EXCAVA SANE0	1.900	38.03	36392.4	TERRAP SANE0	1.900	38.03	36555.0
	VEGETAL	0.585	11.70	35618.4				

Istram 18.05.05.29 17/07/18 18:00:30 459

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

pagina 84

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
111820.000	FIRME	7.645	152.17	130619.6	D TIERRA	8.505	173.09	82097.2
	S SEL2	4.544	90.87	72609.7	SUELO EST3	4.630	92.61	88362.4
	D FIRME	6.716	134.60	68369.9	TERRAPLEN	0.000	0.18	23544.4
	EXCAVA SANE0	1.820	37.21	36429.6	TERRAP SANE0	1.820	37.21	36592.2
	VEGETAL	0.560	11.45	35629.8				
111840.000	FIRME	7.845	154.90	130774.5	D TIERRA	8.456	169.60	82266.8
	S SEL2	4.597	91.41	72701.1	SUELO EST3	4.685	93.15	88455.5
	D FIRME	6.760	134.77	68504.7	EXCAVA SANE0	1.890	37.10	36466.8
	TERRAP SANE0	1.890	37.10	36629.3	VEGETAL	0.581	11.41	35641.2
111860.000	FIRME	7.954	157.99	130932.5	D TIERRA	8.969	174.25	82441.0
	S SEL2	4.667	92.65	72793.7	SUELO EST3	4.754	94.39	88549.9
	D FIRME	6.282	130.43	68635.1	TERRAPLEN	0.020	0.20	23544.6
	EXCAVA SANE0	2.824	47.13	36513.9	TERRAP SANE0	2.824	47.13	36676.4
	VEGETAL	0.869	14.51	35655.7				
111880.000	FIRME	9.731	176.85	131109.3	D TIERRA	12.972	219.41	82660.4
	S SEL2	6.241	109.09	72902.8	SUELO EST3	6.327	110.81	88660.7
	D FIRME	5.278	115.60	68750.7	TERRAPLEN	0.020	0.40	23545.0
	EXCAVA SANE0	7.342	101.65	36615.5	TERRAP SANE0	7.342	101.65	36778.1
	VEGETAL	2.261	31.30	35687.0				
111900.000	FIRME	9.731	194.63	131304.0	D TIERRA	12.931	259.03	82919.5
	S SEL2	6.241	124.82	73027.6	SUELO EST3	6.329	126.56	88787.3
	D FIRME	5.297	105.74	68856.5	TERRAPLEN	0.019	0.38	23545.4
	EXCAVA SANE0	7.325	146.67	36762.2	TERRAP SANE0	7.325	146.67	36924.7
	VEGETAL	2.258	45.19	35732.2				
111920.000	FIRME	9.731	194.62	131498.6	D TIERRA	13.863	267.94	83187.4
	S SEL2	6.242	124.82	73152.5	SUELO EST3	6.328	126.57	88913.9
	D FIRME	5.265	105.61	68962.1	TERRAPLEN	0.016	0.35	23545.7
	EXCAVA SANE0	7.400	147.25	36909.4	TERRAP SANE0	7.400	147.25	37072.0
	VEGETAL	2.295	45.53	35777.7				
111940.000	FIRME	9.732	194.63	131693.2	D TIERRA	15.381	292.44	83479.8
	S SEL2	6.242	124.84	73277.3	SUELO EST3	6.328	126.57	89040.4
	D FIRME	5.182	104.47	69066.5	TERRAPLEN	0.020	0.36	23546.1
	EXCAVA SANE0	0.000	74.00	36983.5	TERRAP SANE0	0.000	74.00	37146.0
	VEGETAL	2.355	46.50	35824.2				
111960.000	FIRME	9.731	194.63	131887.8	D TIERRA	17.277	326.58	83806.4
	S SEL2	6.241	124.83	73402.1	SUELO EST3	6.328	126.56	89167.0
	D FIRME	5.214	103.95	69170.5	TERRAPLEN	0.020	0.40	23546.5
	VEGETAL	2.365	47.20	35871.4				

Istram 18.05.05.29 17/07/18 18:00:30 459

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

pagina 85

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
111980.000	FIRME	9.729	194.59	132082.4	D TIERRA	17.043	343.20	84149.6
	S SEL2	6.239	124.81	73526.9	SUELO EST3	6.326	126.54	89293.5
	D FIRME	5.251	104.65	69275.2	TERRAPLEN	0.020	0.40	23546.9
	VEGETAL	2.356	47.20	35918.6				
112000.000	FIRME	9.727	194.56	132277.0	D TIERRA	17.451	344.94	84494.5
	S SEL2	6.238	124.77	73651.7	SUELO EST3	6.325	126.50	89420.0
	D FIRME	5.237	104.88	69380.0	TERRAPLEN	0.020	0.40	23547.3
	VEGETAL	2.418	47.74	35966.4				
112020.000	FIRME	9.724	194.51	132471.5	D TIERRA	16.854	343.05	84837.6
	S SEL2	6.237	124.74	73776.5	SUELO EST3	6.322	126.46	89546.5
	D FIRME	5.245	104.82	69484.8	TERRAPLEN	0.020	0.40	23547.7
	VEGETAL	2.405	48.24	36014.6				
112040.000	FIRME	9.721	194.45	132666.0	D TIERRA	16.132	329.87	85167.5
	S SEL2	6.233	124.69	73901.2	SUELO EST3	6.319	126.41	89672.9
	D FIRME	5.258	105.02	69589.9	TERRAPLEN	0.020	0.40	23548.1
	VEGETAL	2.389	47.94	36062.6				
112060.000	FIRME	9.718	194.39	132860.3	D TIERRA	16.058	321.90	85489.4
	S SEL2	6.229	124.62	74025.8	SUELO EST3	6.316	126.35	89799.3
	D FIRME	5.167	104.24	69694.1	TERRAPLEN	0.020	0.40	23548.5
	VEGETAL	2.424	48.13	36110.7				
112080.000	FIRME	9.714	194.32	133054.7	D TIERRA	12.732	287.90	85777.3
	S SEL2	6.226	124.55	74150.3	SUELO EST3	6.312	126.27	89925.5
	D FIRME	5.240	104.06	69798.2	TERRAPLEN	0.000	0.20	23548.7
	EXCAVA SANE0	6.382	63.82	37047.3	TERRAP SANE0	6.382	63.82	37209.8
	VEGETAL	2.254	46.78	36157.5				
112100.000	FIRME	7.169	168.83	133223.5	D TIERRA	6.300	190.33	85967.6
	S SEL2	4.259	104.85	74255.2	SUELO EST3	4.347	106.59	90032.1
	D FIRME	5.659	108.98	69907.2	EXCAVA SANE0	2.468	88.49	37135.8
	TERRAP SANE0	2.468	88.49	37298.3	VEGETAL	0.759	30.13	36187.6
112120.000	FIRME	7.059	142.29	133365.8	D TIERRA	6.851	131.51	86099.1
	S SEL2	4.219	84.79	74340.0	SUELO EST3	4.308	86.55	90118.7
	D FIRME	5.619	112.78	70019.9	EXCAVA SANE0	2.425	48.92	37184.7
	TERRAP SANE0	2.425	48.92	37347.2	VEGETAL	0.746	15.05	36202.7
112140.000	FIRME	9.684	167.43	133533.2	D TIERRA	12.600	194.51	86293.6
	S SEL2	6.182	104.01	74444.0	SUELO EST3	6.268	105.76	90224.4
	D FIRME	8.286	139.05	70159.0	EXCAVA SANE0	2.397	48.21	37232.9
	TERRAP SANE0	2.397	48.21	37395.4	VEGETAL	1.008	17.54	36220.2

Istram 18.05.05.29 17/07/18 18:00:30 459

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

pagina 86

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
112160.000	FIRME	8.765	184.49	133717.7	D TIERRA	11.515	241.14	86534.8
	S SEL2	5.465	116.47	74560.5	SUELO EST3	5.545	118.13	90342.6
	D FIRME	6.956	152.42	70311.4	EXCAVA SANE0	0.105	25.01	37257.9
	TERRAP SANE0	0.105	25.01	37420.4	VEGETAL	1.103	21.12	36241.3
112180.000	FIRME	8.516	172.81	133890.5	D TIERRA	11.476	229.90	86764.7
	S SEL2	5.327	107.92	74668.4	SUELO EST3	5.415	109.60	90452.2
	D FIRME	6.698	136.55	70448.0	EXCAVA SANE0	0.246	3.51	37261.4
	TERRAP SANE0	0.246	3.51	37423.9	VEGETAL	1.133	22.36	36263.7
112200.000	FIRME	7.599	161.16	134051.7	D TIERRA	10.211	216.87	86981.5
	S SEL2	4.642	99.69	74768.1	SUELO EST3	4.729	101.44	90553.6
	D FIRME	5.399	120.98	70568.9	EXCAVA SANE0	3.036	32.82	37294.2
	TERRAP SANE0	3.036	32.82	37456.8	VEGETAL	1.233	23.65	36287.3
112220.000	FIRME	7.421	150.20	134201.9	D TIERRA	9.095	193.06	87174.6
	S SEL2	4.494	91.36	74859.4	SUELO EST3	4.581	93.10	90646.7
	D FIRME	5.114	105.13	70674.1	EXCAVA SANE0	2.999	60.35	37354.6
	TERRAP SANE0	2.999	60.35	37517.1	VEGETAL	1.192	24.25	36311.6
112240.000	FIRME	6.844	142.65	134344.5	D TIERRA	7.440	165.35	87339.9
	S SEL2	3.888	83.82	74943.3	SUELO EST3	3.976	85.57	90732.3
	D FIRME	4.118	92.31	70766.4	EXCAVA SANE0	3.051	60.51	37415.1
	TERRAP SANE0	3.051	60.51	37577.6	VEGETAL	1.197	23.89	36335.5
112260.000	FIRME	6.589	134.33	134478.9	D TIERRA	6.897	143.37	87483.3
	S SEL2	3.795	76.83	75020.1	SUELO EST3	3.883	78.58	90810.9
	D FIRME	3.992	81.09	70847.5	EXCAVA SANE0	3.012	60.63	37475.7
	TERRAP SANE0	3.012	60.63	37638.3	VEGETAL	1.169	23.66	36359.1
112280.000	FIRME	6.653	132.42	134611.3	D TIERRA	5.684	125.81	87609.1
	S SEL2	3.558	73.53	75093.6	SUELO EST3	3.646	75.29	90886.1
	D FIRME	3.727	77.19	70924.7	EXCAVA SANE0	2.859	58.71	37534.4
	TERRAP SANE0	2.859	58.71	37697.0	VEGETAL	1.045	22.15	36381.3
112300.000	FIRME	6.689	133.42	134744.7	D TIERRA	5.568	112.52	87721.7
	S SEL2	3.747	73.05	75166.7	SUELO EST3	3.765	74.11	90960.3
	D FIRME	3.430	71.57	70996.2	EXCAVA SANE0	3.681	65.40	37599.8
	TERRAP SANE0	3.681	65.40	37762.4	VEGETAL	1.245	22.91	36404.2
112320.000	FIRME	9.299	159.88	134904.6	D TIERRA	8.939	145.07	87866.7
	S SEL2	6.323	100.70	75267.4	SUELO EST3	6.321	100.86	91061.1
	D FIRME	7.100	105.30	71101.5	EXCAVA SANE0	4.174	78.55	37678.4
	TERRAP SANE0	4.174	78.55	37840.9	VEGETAL	1.392	26.37	36430.6

Istram 18.05.05.29 17/07/18 18:00:30 459

PROYECTO :

EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

pagina 87

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
112340.000	FIRME	9.559	188.58	135093.1	D TIERRA	8.463	174.02	88040.7
	S SEL2	6.525	128.48	75395.8	SUELO EST3	6.505	128.26	91189.4
	D FIRME	7.039	141.39	71242.9	EXCAVA SANE0	4.696	88.70	37767.1
	TERRAP SANE0	4.696	88.70	37929.6	VEGETAL	1.547	29.39	36460

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112500.000	FIRME	10.611	213.30	136664.7	D TIERRA	9.175	190.02	89380.9
	S SEL2	6.890	138.70	76411.1	SUELO EST3	6.977	140.43	92212.6
	D FIRME	7.189	143.61	72252.3	TERRAPLEN	0.028	0.68	23551.7
	EXCAVA SANE0	6.079	124.12	38688.9	TERRAP SANE0	6.079	124.12	38851.4
	VEGETAL	1.870	38.19	36751.4				
112520.000	FIRME	9.750	203.60	136868.3	D TIERRA	6.677	158.52	89539.4
	S SEL2	5.430	123.21	76534.3	SUELO EST3	5.516	124.93	92337.6
	D FIRME	4.969	121.58	72373.8	TERRAPLEN	0.020	0.48	23552.2
	EXCAVA SANE0	6.173	122.52	38811.4	TERRAP SANE0	6.173	122.52	38973.9
	VEGETAL	1.900	37.70	36789.1				
112540.000	FIRME	11.035	207.85	137076.1	D TIERRA	9.321	159.98	89699.4
	S SEL2	7.149	125.79	76660.1	SUELO EST3	7.236	127.52	92465.1
	D FIRME	7.211	121.80	72495.6	TERRAPLEN	0.020	0.40	23552.6
	EXCAVA SANE0	6.762	129.35	38940.8	TERRAP SANE0	6.762	129.35	39103.3
	VEGETAL	2.081	39.80	36828.9				
112560.000	FIRME	11.230	222.66	137298.8	D TIERRA	9.947	192.69	89892.1
	S SEL2	7.237	143.86	76803.9	SUELO EST3	7.322	145.58	92610.6
	D FIRME	7.237	144.48	72640.1	TERRAPLEN	0.020	0.39	23553.0
	EXCAVA SANE0	6.938	137.00	39077.8	TERRAP SANE0	6.938	137.00	39240.3
	VEGETAL	2.135	42.16	36871.0				
112580.000	FIRME	11.239	224.70	137523.5	D TIERRA	9.101	190.48	90082.6
	S SEL2	7.232	144.69	76948.6	SUELO EST3	7.316	146.38	92757.0
	D FIRME	7.218	144.55	72784.7	TERRAPLEN	0.018	0.37	23553.4
	EXCAVA SANE0	6.986	139.24	39217.0	TERRAP SANE0	6.986	139.24	39379.5
	VEGETAL	2.159	42.94	36914.0				
112600.000	FIRME	10.988	222.28	137745.8	D TIERRA	7.656	167.57	90250.2
	S SEL2	6.014	132.46	77081.1	SUELO EST3	6.099	134.15	92891.2
	D FIRME	5.471	126.89	72911.6	TERRAPLEN	0.016	0.34	23553.7
	EXCAVA SANE0	6.987	139.73	39356.7	TERRAP SANE0	6.987	139.73	39519.3
	VEGETAL	2.168	43.27	36957.3				
112620.000	FIRME	11.193	221.82	137967.6	D TIERRA	7.282	149.37	90399.5
	S SEL2	7.192	132.06	77213.2	SUELO EST3	7.274	133.73	93024.9
	D FIRME	7.192	126.63	73038.2	TERRAPLEN	0.020	0.36	23554.1
	EXCAVA SANE0	0.000	69.87	39426.6	TERRAP SANE0	0.000	69.87	39589.1
	VEGETAL	2.167	43.35	37000.6				

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 89
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112640.000	FIRME	11.169	223.63	138191.2	D TIERRA	8.760	160.42	90560.0
	S SEL2	7.172	143.64	77356.8	SUELO EST3	7.257	145.31	93170.2
	D FIRME	7.125	143.16	73181.3	TERRAPLEN	0.020	0.40	23554.5
	EXCAVA SANE0	1.634	16.34	39442.9	TERRAP SANE0	1.634	16.34	39605.5
	VEGETAL	2.186	43.54	37044.1				
112660.000	FIRME	11.145	223.14	138414.4	D TIERRA	10.887	196.48	90756.4
	S SEL2	7.152	143.24	77500.0	SUELO EST3	7.238	144.95	93315.2
	D FIRME	7.153	142.77	73324.1	TERRAPLEN	0.020	0.40	23554.9
	EXCAVA SANE0	0.000	16.34	39459.3	TERRAP SANE0	0.000	16.34	39621.8
	VEGETAL	2.186	43.72	37087.9				
112680.000	FIRME	9.549	206.94	138621.3	D TIERRA	10.292	211.80	90968.2
	S SEL2	5.213	123.65	77623.7	SUELO EST3	5.302	125.41	93440.6
	D FIRME	4.124	112.76	73436.9	TERRAPLEN	0.000	0.20	23555.1
	EXCAVA SANE0	1.543	15.43	39474.7	TERRAP SANE0	1.543	15.43	39637.2
	VEGETAL	2.186	43.72	37131.6				
112700.000	FIRME	11.093	206.42	138827.7	D TIERRA	13.635	239.28	91207.5
	S SEL2	7.112	123.25	77746.9	SUELO EST3	7.199	125.02	93565.6
	D FIRME	7.128	112.52	73549.4	TERRAPLEN	0.020	0.20	23555.3
	EXCAVA SANE0	0.000	15.43	39490.1	TERRAP SANE0	0.000	15.43	39652.7
	VEGETAL	2.208	43.94	37175.5				
112720.000	FIRME	11.066	221.59	139049.3	D TIERRA	14.542	281.78	91489.3
	S SEL2	7.091	142.03	77889.0	SUELO EST3	7.179	143.78	93709.4
	D FIRME	7.114	142.42	73691.8	TERRAPLEN	0.020	0.39	23555.7
	VEGETAL	2.212	44.20	37219.7				
	FIRME	11.040	221.06	139270.4	D TIERRA	17.029	315.71	91805.0
112740.000	S SEL2	7.071	141.63	78030.6	SUELO EST3	7.159	143.38	93852.8
	D FIRME	7.128	142.42	73834.2	TERRAPLEN	0.020	0.39	23556.1
	VEGETAL	2.264	44.76	37264.5				
	FIRME	11.014	220.54	139490.9	D TIERRA	18.751	357.80	92162.8
	S SEL2	7.052	141.23	78171.8	SUELO EST3	7.139	142.98	93995.7
112760.000	D FIRME	7.120	142.48	73976.7	TERRAPLEN	0.020	0.40	23556.5
	VEGETAL	2.292	45.55	37310.0				
	FIRME	8.774	197.88	139688.8	D TIERRA	18.308	370.59	92533.4
	S SEL2	5.446	124.97	78296.8	SUELO EST3	5.533	126.72	94122.5
	D FIRME	4.779	118.99	74095.7	TERRAPLEN	0.000	0.20	23556.7
112780.000	EXCAVA SANE0	1.248	12.48	39502.6	TERRAP SANE0	1.248	12.48	39665.2
	VEGETAL	2.338	46.29	37356.3				

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 90
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112800.000	FIRME	10.960	197.34	139886.1	D TIERRA	24.744	430.52	92963.9
	S SEL2	7.013	124.59	78421.4	SUELO EST3	7.099	126.32	94248.8
	D FIRME	7.105	118.84	74214.6	TERRAPLEN	0.020	0.20	23556.9

112820.000	EXCAVA SANE0	0.000	12.48	39515.1	TERRAP SANE0	0.000	12.48	39677.6
	VEGETAL	2.425	47.63	37403.9				
	FIRME	10.945	219.04	140105.2	D TIERRA	26.917	516.60	93480.5
	S SEL2	7.003	140.15	78561.5	SUELO EST3	7.089	141.88	94390.7
	D FIRME	7.108	142.13	74356.7	TERRAPLEN	0.020	0.41	23557.3
112840.000	VEGETAL	2.446	48.71	37452.7				
	FIRME	10.960	219.05	140324.2	D TIERRA	27.450	543.66	94024.2
	S SEL2	7.014	140.17	78701.7	SUELO EST3	7.097	141.86	94532.5
	D FIRME	7.137	142.44	74499.1	TERRAPLEN	0.020	0.40	23557.7
	VEGETAL	2.455	49.01	37501.7				
112860.000	FIRME	10.768	217.28	140541.5	D TIERRA	26.437	538.87	94563.0
	S SEL2	6.687	137.01	78838.7	SUELO EST3	6.862	139.58	94672.1
	D FIRME	7.075	142.12	74641.2	TERRAPLEN	0.040	0.60	23558.3
	EXCAVA SANE0	0.109	1.09	39516.2	TERRAP SANE0	0.109	1.09	39678.7
	VEGETAL	2.402	48.57	37550.2				
112880.000	FIRME	10.985	217.53	140759.0	D TIERRA	21.495	479.32	95042.4
	S SEL2	0.000	66.87	78905.6	SUELO EST3	7.117	139.79	94811.9
	D FIRME	7.091	141.65	74782.9	TERRAPLEN	0.021	0.60	23558.9
	EXCAVA SANE0	0.000	1.09	39517.3	TERRAP SANE0	0.000	1.09	39679.8
	VEGETAL	2.386	47.88	37598.1				
112900.000	FIRME	11.000	219.85	140978.9	D TIERRA	24.183	456.77	95499.1
	SUELO EST3	7.128	142.45	94954.3	D FIRME	7.083	141.73	74924.6
	TERRAPLEN	0.020	0.41	23559.3	VEGETAL	2.392	47.79	37645.9
	FIRME	11.014	220.14	141199.0	D TIERRA	21.099	452.82	95951.9
	SUELO EST3	7.140	142.68	95097.0	D FIRME	7.024	141.07	75065.7
112920.000	TERRAPLEN	0.021	0.41	23559.7	VEGETAL	2.265	46.58	37692.5
	FIRME	11.030	220.44	141419.5	D TIERRA	22.541	436.40	96388.3
	SUELO EST3	7.148	142.88	95239.9	D FIRME	7.033	140.58	75206.3
	TERRAPLEN	0.022	0.43	23560.1	VEGETAL	2.318	45.84	37738.3
	FIRME	11.043	220.72	141640.2	D TIERRA	21.895	444.36	96832.7
112940.000	SUELO EST3	7.161	143.09	95383.0	D FIRME	7.029	140.62	75346.9
	TERRAPLEN	0.021	0.43	23560.6	VEGETAL	2.279	45.98	37784.3
	FIRME	11.058	221.01	141861.2	D TIERRA	25.031	469.25	97302.0
	SUELO EST3	7.171	143.32	95526.3	D FIRME	6.962	139.91	75486.8
	TERRAPLEN	0.021	0.42	23561.0	VEGETAL	2.357	46.36	37830.7

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 91
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
113000.000	FIRME	11.070	221.29	142082.5	D TIERRA	24.312	493.43	97795.4
	SUELO EST3	7.183	143.54	95669.8	D FIRME	7.048	140.10	75626.9
	TERRAPLEN	0.021	0.42	23561.4	VEGETAL	2.316	46.73	37877.4
113020.000	FIRME	11.086	221.57	142304.0	D TIERRA	27.545	518.57	98314.0
	SUELO EST3	7.192	143.74	95813.6	D FIRME	7.169	142.17	75769.1
	TERRAPLEN	0.022	0.43	23561.8	VEGETAL	2.421	47.37	37924.8
113040.000	FIRME	11.101	221.87	142525.9	D TIERRA	26.146	536.90	98850.9
	SUELO EST3	7.202	143.94	95957.5	D FIRME	7.195	143.64	75912.7
	TERRAPLEN	0.021	0.42	23562.3	VEGETAL	2.382	48.03	37972.8
113060.000	FIRME	11.117	222.18	142748.1	D TIERRA	27.756	539.01	99389.9
	SUELO EST3	7.210	144.12	96101.7	D FIRME	7.208	144.03	76056.8
	TERRAPLEN	0.022	0.42	23562.7	VEGETAL	2.431	48.13	38020.9
113080.000	FIRME	11.130	222.46	142970.6	D TIERRA	25.421	531.76	99921.6
	SUELO EST3	7.223	144.32	96246.0	D FIRME	7.246	144.54	76201.3
	TERRAPLEN	0.022	0.43	23563.1	VEGETAL	2.396	48.26	38069.2
113100.000	FIRME	11.144	222.74	143193.3	D TIERRA	20.496	459.17	100380.8
	SUELO EST3	7.232	144.55	96390.5	D FIRME	7.248	144.94	76346.2
	TERRAPLEN	0.055	0.76	23563.9	VEGETAL	2.510	49.05	38118.2
113120.000	FIRME	11.054	221.98	143415.3	D TIERRA	27.969	484.65	100865.5
	SUELO EST3	7.047	142.79	96533.3	D FIRME	7.256	145.04	76491.3
	TERRAPLEN	0.041	0.96	23564.8	VEGETAL	2.627	51.37	38169.6
113140.000	FIRME	11.184	222.38	143637.7	D TIERRA	24.811	527.81	101393.3
	SUELO EST3	7.248	142.96	96676.3	D FIRME	7.263	145.19	76636.5
	TERRAPLEN	0.023	0.64	23565.5	VEGETAL	2.611	52.38	38222.0
113160.000	FIRME	10.099	212.83	143850.5	D TIERRA	14.826	396.37	101789.6
	SUELO EST3	6.255	135.03	96811.3	D FIRME	5.597	128.60	76765.1
	TERRAPLEN	0.028	0.51	23566.0	VEGETAL	2.486	50.98	38273.0
113180.000	FIRME	10.270	203.69	144054.2	D TIERRA	11.347	261.73	102051.4
	SUELO EST3	6.390	126.45	96937.8	D FIRME	5.068	106.65	76871.7
	TERRAPLEN	0.000	0.28	23566.3	VEGETAL	2.401	48.87	38321.8
113200.000	FIRME	9.883	201.53	144255.7	D TIERRA	7.818	191.66	102243.0
	SUELO EST3	6.109	124.99	97062.7	D FIRME	3.770	88.38	76960.1
	TERRAPLEN	0.401	4.01	23570.3	VEGETAL	2.379	47.80	38369.6
113220.000	FIRME	7.356	172.39	144428.1	D TIERRA	1.493	93.11	102336.1
	SUELO EST3	4.553	106.62	97169.4	D FIRME	4.481	82.51	77042.6
	TERRAPLEN	0.409	8.11	23578.4	TERRAP SANEO	0.948	9.48	39689.3
	VEGETAL	0.835	32.14	38401.8				

113300.000	SUELO EST3	4.634	93.02	97440.0	D FIRME	3.493	88.25	77337.4
	TERRAPLEN	0.108	1.70	23584.9	VEGETAL	1.565	21.36	38447.8
	FIRME	8.215	157.91	145027.1	D TIERRA	0.459	21.49	102411.8
113320.000	SUELO EST3	4.668	93.02	97533.0	D FIRME	2.976	64.69	77402.1
	TERRAPLEN	0.334	4.42	23589.3	VEGETAL	1.626	31.91	38479.7
	FIRME	8.367	165.82	145192.9	D TIERRA	0.104	5.63	102417.5
113340.000	SUELO EST3	5.711	103.79	97636.8	D FIRME	3.225	62.01	77464.1
	TERRAPLEN	1.705	20.39	23609.7	VEGETAL	1.733	33.59	38513.3
	FIRME	8.320	166.87	145359.7	D TIERRA	0.090	1.93	102419.4
113360.000	SUELO EST3	5.672	113.83	97750.6	D FIRME	2.860	60.85	77525.0
	TERRAPLEN	2.620	43.25	23652.9	TERRAP SANE0	0.225	2.25	39701.0
	VEGETAL	1.752	34.85	38548.2				
113380.000	FIRME	8.278	165.97	145525.7	D TIERRA	0.003	0.93	102420.3
	SUELO EST3	5.641	113.13	97863.8	D FIRME	3.738	65.98	77590.9
	TERRAPLEN	4.353	69.73	23722.6	TERRAP SANE0	1.796	20.21	39721.2
113400.000	VEGETAL	1.772	35.24	38583.4				
	FIRME	8.234	165.12	145690.8	D TIERRA	0.000	0.03	102420.4
	SUELO EST3	5.601	112.43	97976.2	D FIRME	2.092	58.30	77649.2
113420.000	TERRAPLEN	4.046	83.99	23806.6	TERRAP SANE0	0.625	24.21	39745.5
	VEGETAL	1.786	35.58	38619.0				
	FIRME	8.188	164.22	145855.1	D TIERRA	0.047	0.47	102420.8
113440.000	SUELO EST3	5.567	111.68	98087.9	D FIRME	2.069	41.61	77690.9
	TERRAPLEN	3.520	75.66	23882.3	TERRAP SANE0	0.000	6.25	39751.7
	VEGETAL	1.826	36.12	38655.1				
113460.000	FIRME	8.142	163.30	146018.4	D TIERRA	0.000	0.47	102421.3
	SUELO EST3	5.528	110.94	98198.8	D FIRME	1.944	40.13	77731.0
	TERRAPLEN	3.786	73.06	23955.4	TERRAP SANE0	0.075	0.75	39752.5
	VEGETAL	1.764	35.90	38691.0				

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 93
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113440.000	FIRME	8.100	162.42	146180.8	SUELO EST3	5.493	110.21	98309.0	
	D FIRME	2.353	42.98	77774.0	TERRAPLEN	3.111	68.97	24024.3	
	TERRAP SANE0	0.000	0.75	39753.2	VEGETAL	1.707	34.71	38725.7	
113460.000	FIRME	8.071	161.71	146342.5	D TIERRA	0.034	0.34	102421.6	
	SUELO EST3	5.477	109.70	98418.7	D FIRME	1.808	41.62	77815.6	
	TERRAPLEN	4.463	75.74	24100.1	VEGETAL	1.779	34.87	38760.6	
113480.000	FIRME	8.046	161.16	146503.6	D TIERRA	0.060	0.95	102422.6	
	SUELO EST3	5.461	109.39	98528.1	D FIRME	1.378	31.86	77847.4	
	TERRAPLEN	4.213	86.76	24186.8	TERRAP SANE0	0.492	4.92	39758.1	
	VEGETAL	1.689	34.69	38795.3					
113500.000	FIRME	8.029	160.75	146664.4	D TIERRA	0.001	0.62	102423.2	
	SUELO EST3	5.452	109.13	98637.2	D FIRME	2.942	43.20	77890.6	
	TERRAPLEN	5.849	100.62	24287.4	TERRAP SANE0	1.430	19.22	39777.4	
	VEGETAL	1.794	34.83	38830.1					
113520.000	FIRME	8.027	160.56	146825.0	D TIERRA	0.000	0.01	102423.2	
	SUELO EST3	5.448	109.00	98746.2	D FIRME	3.016	59.59	77942.8	
	TERRAPLEN	5.791	116.40	24403.8	TERRAP SANE0	1.974	34.04	39811.4	
	VEGETAL	1.725	35.19	38865.3					
113540.000	FIRME	8.036	160.64	146985.6	SUELO EST3	5.449	108.97	98855.2	
	D FIRME	3.100	61.16	78011.4	TERRAPLEN	6.191	119.82	24523.7	
	TERRAP SANE0	1.882	38.56	39850.0	VEGETAL	1.697	34.22	38899.5	
113560.000	FIRME	8.056	160.93	147146.5	SUELO EST3	5.457	109.06	98964.3	
	D FIRME	2.475	55.74	78067.1	TERRAPLEN	5.481	116.72	24640.4	
	TERRAP SANE0	1.576	34.58	39884.5	VEGETAL	1.689	33.86	38933.4	
113580.000	FIRME	8.055	161.11	147307.6	D TIERRA	0.047	0.47	102423.7	
	SUELO EST3	5.455	109.13	99073.4	D FIRME	3.511	59.85	78127.0	
	TERRAPLEN	5.015	104.97	24745.4	TERRAP SANE0	3.027	46.03	39930.6	
	VEGETAL	1.674	33.63	38967.0					
113600.000	FIRME	8.063	161.18	147468.8	D TIERRA	0.049	0.96	102424.6	
	SUELO EST3	5.456	109.11	99182.5	D FIRME	3.877	73.87	78200.9	
	TERRAPLEN	5.976	109.91	24855.3	TERRAP SANE0	3.662	66.89	39997.5	
	VEGETAL	1.720	33.94	39000.9					
113620.000	FIRME	8.065	161.28	147630.1	D TIERRA	0.211	2.60	102427.2	
	SUELO EST3	5.458	109.14	99291.6	D FIRME	2.891	67.68	78268.5	
	TERRAPLEN	5.284	112.60	24967.9	TERRAP SANE0	2.461	61.23	40058.7	
	VEGETAL	1.745	34.65	39035.6					

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 94
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113640.000	FIRME	8.050	161.15	147791.2	D TIERRA	0.119	3.30	102430.5	
	SUELO EST3	5.448	109.06	99400.7	D FIRME	2.919	58.10	78326.6	
	TERRAPLEN	4.707	99.90	25067.8	TERRAP SANE0	2.571	50.31	40109.0	
	VEGETAL	1.680	34.25	39069.9					
113660.000	FIRME	8.058	161.08	147952.3	D TIERRA	0.000	1.19	102431.7	
	SUELO EST3	5.456	109.04	99509.7	D FIRME	6.155	90.74	78417.4	
	TERRAPLEN	3.685	83.91	25151.7	TERRAP SANE0	5.556	81.27	40190.3	
	VEGETAL	0.438	21.18	39091.0					
113680.000	FIRME	8.064	161.22	148113.5	SUELO EST3	5.458	109.14	99618.9	
	D FIRME	6.057	122.12	78539.5	TERRAPLEN	4.693	83.78	25235.5	
	TERRAP SANE0	5.650	112.07	40302.4	VEGETAL	0.558	9.96	39101.0	
113700.000	FIRME	8.072	161.37	148274.9	SUELO EST3	5.468	109.26	99728.1	
	D FIRME	5.837	118.94	78658.4	TERRAPLEN	4.990	96.83	25332.3	
	TERRAP SANE0	5.358	110.09	40412.4	VEGETAL	0.653	12.11	39113.1	
113720.000	FIRME	8.117	161.89	148436.8	SUELO EST3	5.492	109.60	99837.7	
	D FIRME	5.180	110.17	78768.6	TERRAPLEN	3.258	82.47	25414.8	

113740.000	EXCAVA SANE0	6.430	64.30	39581.6	TERRAP SANE0	11.142	165.01	40577.4
	VEGETAL	0.755	14.08	39127.2				
	FIRME	8.191	163.08	148599.9	D TIERRA	0.017	0.17	102431.9
113760.000	SUELO EST3	5.497	109.89	99947.6	D FIRME	2.217	73.97	78842.6
	TERRAPLEN	1.429	46.86	25461.6	EXCAVA SANE0	2.542	89.71	39671.3
	TERRAP SANE0	3.283	144.25	40721.7	VEGETAL	0.786	15.41	39142.6
113780.000	FIRME	8.228	164.19	148764.1	D TIERRA	0.065	0.82	102432.7
	SUELO EST3	5.486	109.83	100057.4	D FIRME	2.629	48.46	78891.0
	TERRAPLEN	1.787	32.16	25493.8	EXCAVA SANE0	2.861	54.03	39725.3
113800.000	TERRAP SANE0	3.699	69.82	40791.5	VEGETAL	0.881	16.67	39159.3
	FIRME	8.218	164.46	148928.5	D TIERRA	0.044	1.09	102433.8
	SUELO EST3	5.514	110.00	100167.4	D FIRME	3.387	60.16	78951.2
113820.000	TERRAPLEN	2.483	42.70	25536.5	EXCAVA SANE0	4.213	70.74	39796.1
	TERRAP SANE0	6.371	100.70	40892.2	VEGETAL	0.885	17.66	39176.9
	FIRME	8.189	164.07	149092.6	D TIERRA	0.025	0.69	102434.5
113840.000	SUELO EST3	5.513	110.27	100277.7	D FIRME	3.267	66.54	79017.7
	TERRAPLEN	2.810	52.93	25589.4	EXCAVA SANE0	3.757	79.71	39875.8
	TERRAP SANE0	5.498	118.69	41010.9	VEGETAL	0.865	17.50	39194.4
113860.000	FIRME	8.158	163.46	149256.1	D TIERRA	0.003	0.28	102434.8
	SUELO EST3	5.437	109.50	100387.2	D FIRME	3.208	64.74	79082.5
	TERRAPLEN	2.505	53.15	25642.6	EXCAVA SANE0	2.193	59.50	39935.3
	TERRAP SANE0	2.514	80.12	41091.0	VEGETAL	0.781	16.45	39210.9

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 95
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113840.000	FIRME	8.129	162.87	149418.9	D TIERRA	0.000	0.03	102434.8	
	SUELO EST3	5.386	108.23	100495.4	D FIRME	3.257	64.65	79147.1	
	TERRAPLEN	2.554	50.59	25693.2	EXCAVA SANE0	1.976	41.69	39977.0	
	TERRAP SANE0	1.976	44.90	41135.9	VEGETAL	0.790	15.71	39226.6	
113860.000	FIRME	7.896	160.25	149579.2	D TIERRA	0.003	0.03	102434.8	
	SUELO EST3	3.855	92.41	100587.9	D FIRME	2.872	61.29	79208.4	
	TERRAPLEN	2.426	49.80	25743.0	EXCAVA SANE0	2.145	41.21	40018.2	
	TERRAP SANE0	2.145	41.21	41177.1	VEGETAL	0.860	16.50	39243.1	
113880.000	FIRME	7.682	155.78	149735.0	D TIERRA	0.044	0.47	102435.3	
	SUELO EST3	3.418	72.73	100660.6	D FIRME	3.459	63.31	79271.7	
	TERRAPLEN	2.139	45.65	25788.6	EXCAVA SANE0	2.126	42.71	40060.9	
	TERRAP SANE0	2.126	42.71	41219.8	VEGETAL	0.850	17.10	39260.2	
113900.000	FIRME	7.602	152.84	149887.8	D TIERRA	0.771	8.16	102443.5	
	SUELO EST3	4.454	78.72	100739.3	D FIRME	5.251	87.10	79358.8	
	TERRAPLEN	1.818	39.57	25828.2	EXCAVA SANE0	2.169	42.95	40103.8	
	TERRAP SANE0	2.170	42.95	41262.8	VEGETAL	0.867	17.18	39277.4	
113920.000	FIRME	8.230	158.33	150046.1	D TIERRA	4.230	50.02	102493.5	
	SUELO EST3	4.960	94.14	100833.4	D FIRME	4.880	101.31	79460.1	
	TERRAPLEN	1.797	36.15	25864.3	EXCAVA SANE0	0.000	21.69	40125.5	
	TERRAP SANE0	0.000	21.70	41284.5	VEGETAL	1.562	24.30	39301.7	
113940.000	FIRME	9.567	177.97	150224.1	D TIERRA	7.182	114.12	102607.6	
	SUELO EST3	5.978	109.38	100942.8	D FIRME	6.019	108.99	79569.1	
	TERRAPLEN	1.616	34.13	25898.5	VEGETAL	1.777	33.40	39335.1	
	TERRAP SANE0	1.616	34.13	25898.5	VEGETAL	1.777	33.40	39335.1	
113960.000	FIRME	10.784	203.51	150427.6	D TIERRA	11.058	182.40	102790.0	
	SUELO EST3	6.979	129.58	101072.4	D FIRME	7.201	132.20	79701.3	
	TERRAPLEN	1.326	29.42	25927.9	VEGETAL	1.948	37.25	39372.3	
	TERRAP SANE0	1.326	29.42	25927.9	VEGETAL	1.948	37.25	39372.3	
113980.000	FIRME	10.780	215.65	150643.3	D TIERRA	13.074	241.32	103031.3	
	SUELO EST3	6.972	139.52	101211.9	D FIRME	7.190	143.91	79845.2	
	TERRAPLEN	0.987	23.13	25951.0	VEGETAL	1.988	39.36	39411.7	
	TERRAP SANE0	0.987	23.13	25951.0	VEGETAL	1.988	39.36	39411.7	
114000.000	FIRME	10.759	215.39	150858.7	D TIERRA	15.996	290.70	103322.0	
	SUELO EST3	6.957	139.29	101351.2	D FIRME	7.272	144.62	79989.9	
	TERRAPLEN	0.583	15.69	25966.7	VEGETAL	1.979	39.67	39451.3	
	TERRAP SANE0	0.583	15.69	25966.7	VEGETAL	1.979	39.67	39451.3	
114020.000	FIRME	10.739	214.98	151073.6	D TIERRA	17.725	337.20	103659.2	
	SUELO EST3	6.943	139.00	101490.2	D FIRME	7.350	146.22	80136.1	
	TERRAPLEN	0.287	8.70	25975.4	VEGETAL	1.945	39.24	39490.6	
	TERRAP SANE0	0.287	8.70	25975.4	VEGETAL	1.945	39.24	39490.6	
114040.000	FIRME	10.720	214.58	151288.2	D TIERRA	18.970	366.94	104026.2	
	SUELO EST3	6.929	138.73	101628.9	D FIRME	7.345	146.94	80283.0	
	TERRAPLEN	0.116	4.03	25979.4	VEGETAL	1.955	39.00	39529.6	
	TERRAP SANE0	0.116	4.03	25979.4	VEGETAL	1.955	39.00	39529.6	

114200.000	TERRAPLEN	0.027	0.53	25983.9	VEGETAL	2.397	46.96	39825.5
	FIRME	10.373	209.79	152992.7	D TIERRA	27.146	569.74	108360.9
	SUELO EST3	6.700	135.55	102730.8	D FIRME	6.678	135.19	81424.5
114220.000	TERRAPLEN	0.025	0.52	25984.4	VEGETAL	2.307	47.03	39872.5
	FIRME	10.139	205.12	153197.8	D TIERRA	23.591	507.37	108868.3
	SUELO EST3	6.545	132.45	102863.2	D FIRME	6.595	132.73	81557.2
114240.000	TERRAPLEN	0.027	0.52	25984.9	VEGETAL	2.186	44.93	39917.5
	FIRME	9.907	200.46	153398.2	D TIERRA	23.410	470.01	109338.3
	SUELO EST3	6.391	129.36	102992.6	D FIRME	6.419	130.14	81687.3
114260.000	TERRAPLEN	0.024	0.51	25985.4	VEGETAL	2.049	42.35	39959.8
	FIRME	9.662	195.69	153593.9	D TIERRA	20.668	440.78	109779.0
	SUELO EST3	6.227	126.18	103118.8	D FIRME	6.072	124.91	81812.2
114280.000	TERRAPLEN	0.024	0.48	25985.9	VEGETAL	2.056	41.05	40000.9
	FIRME	9.414	190.76	153784.7	D TIERRA	17.217	378.85	110157.9
	SUELO EST3	6.069	122.96	103241.7	D FIRME	5.724	117.96	81930.2
	TERRAPLEN	0.029	0.52	25986.4	VEGETAL	2.102	41.58	40042.4

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 97
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
114300.000	FIRME	9.168	185.82	153970.5	D TIERRA	16.428	336.44	110494.3	
	SUELO EST3	5.919	119.88	103361.6	D FIRME	5.504	112.28	82042.5	
	TERRAPLEN	0.027	0.56	25987.0	VEGETAL	2.293	43.95	40086.4	
114320.000	FIRME	9.048	182.16	154152.7	D TIERRA	13.535	299.63	110794.0	
	SUELO EST3	5.853	117.73	103479.3	D FIRME	5.447	109.51	82152.0	
	TERRAPLEN	0.034	0.61	25987.6	VEGETAL	2.242	45.35	40131.7	
114340.000	FIRME	9.048	180.96	154333.6	D TIERRA	13.689	272.25	111066.2	
	SUELO EST3	5.866	117.19	103596.5	D FIRME	5.411	108.58	82260.6	
	TERRAPLEN	0.273	3.07	25990.7	VEGETAL	2.119	43.61	40175.4	
114360.000	FIRME	8.415	174.63	154508.3	D TIERRA	12.736	264.26	111330.5	
	SUELO EST3	5.516	113.82	103710.3	D FIRME	5.376	107.87	82368.4	
	TERRAPLEN	0.359	6.32	25997.0	EXCAVA SANE0	14.274	142.74	40268.3	
114380.000	TERRAP SANE0	14.274	142.74	41427.2	VEGETAL	1.631	37.51	40212.9	
	FIRME	8.370	167.85	154676.1	D TIERRA	13.226	259.62	111590.1	
	SUELO EST3	5.480	109.96	103820.3	D FIRME	5.356	107.32	82475.7	
	TERRAPLEN	0.168	5.26	26002.2	EXCAVA SANE0	14.063	283.36	40551.6	
	TERRAP SANE0	14.063	283.36	41710.6	VEGETAL	1.607	32.39	40245.2	
114400.000	FIRME	8.269	166.39	154842.5	D TIERRA	12.622	258.49	111848.6	
	SUELO EST3	5.344	108.24	103928.5	D FIRME	5.377	107.34	82583.1	
	TERRAPLEN	0.208	3.75	26006.0	EXCAVA SANE0	13.237	272.99	40824.6	
	TERRAP SANE0	13.237	272.99	41983.6	VEGETAL	1.513	31.20	40276.4	
114420.000	FIRME	8.055	163.24	155005.8	D TIERRA	11.316	239.39	112088.0	
	SUELO EST3	5.170	105.15	104033.7	D FIRME	5.411	107.88	82691.0	
	TERRAPLEN	0.217	4.25	26010.2	EXCAVA SANE0	12.178	254.15	41078.8	
	TERRAP SANE0	12.178	254.15	42237.7	VEGETAL	1.392	29.05	40305.5	
114440.000	FIRME	8.062	161.17	155166.9	D TIERRA	10.218	215.34	112303.3	
	SUELO EST3	5.172	103.42	104137.1	D FIRME	5.401	108.12	82799.1	
	TERRAPLEN	0.404	6.21	26016.5	EXCAVA SANE0	12.223	244.02	41322.8	
	TERRAP SANE0	12.223	244.02	42481.8	VEGETAL	1.397	27.89	40333.4	
114460.000	FIRME	7.893	159.55	155326.5	D TIERRA	8.596	188.14	112491.5	
	SUELO EST3	5.056	102.28	104239.4	D FIRME	5.359	107.60	82906.7	
	TERRAPLEN	0.455	8.59	26025.0	EXCAVA SANE0	11.740	239.63	41562.4	
	TERRAP SANE0	11.740	239.63	42721.4	VEGETAL	1.342	27.39	40360.8	
114480.000	FIRME	8.045	159.38	155485.8	D TIERRA	5.500	140.95	112632.4	
	SUELO EST3	5.445	105.01	104344.4	D FIRME	5.188	105.46	83012.1	
	TERRAPLEN	0.441	8.96	26034.0	EXCAVA SANE0	12.540	242.80	41805.2	
	TERRAP SANE0	12.540	242.80	42964.2	VEGETAL	1.591	29.33	40390.1	

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 98
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
114500.000	FIRME	7.623	156.68	155642.5	D TIERRA	1.011	65.11	112697.5	
	SUELO EST3	4.623	100.68	104445.1	D FIRME	3.961	91.49	83103.6	
	TERRAPLEN	3.989	44.31	26078.3	EXCAVA SANE0	16.540	290.80	42096.0	
114520.000	TERRAP SANE0	16.540	290.80	43255.0	VEGETAL	2.077	36.68	40426.8	
	FIRME	5.752	133.75	155776.3	D TIERRA	1.053	20.64	112718.2	
	SUELO EST3	3.747	83.70	104528.8	D FIRME	2.585	65.46	83169.1	
	TERRAPLEN	1.907	58.96	26137.3	EXCAVA SANE0	14.331	308.71	42404.7	
114540.000	TERRAP SANE0	14.331	308.71	43563.7	VEGETAL	1.783	38.60	40465.4	
	FIRME	6.150	119.02	155895.3	D TIERRA	0.931	19.84	112738.0	
	SUELO EST3	3.759	75.05	104603.8	D FIRME	2.254	48.38	83217.5	
	TERRAPLEN	45.303	472.11	26609.4	EXCAVA SANE0	29.976	443.07	42847.8	
	TERRAP SANE0	29.976	443.07	44006.8	VEGETAL	3.660	54.43	40519.8	
114560.000	FIRME	7.691	138.41	156033.7	D TIERRA	0.509	14.40	112752.4	
	SUELO EST3	4.666	84.24	104688.1	D FIRME	3.665	59.19	83276.7	
	TERRAPLEN	5.607	509.11	27118.5	EXCAVA SANE0	17.049	470.25	43318.0	
	TERRAP SANE0	17.049	470.25	44477.0	VEGETAL	2.124	57.84	40577.7	
114580.000	FIRME	7.726	154.17	156187.9	D TIERRA	0.117	6.26	112758.7	
	SUELO EST3	3.978	86.43	104774.5	D FIRME	1.316	49.81	83326.5	
	TERRAPLEN	2.639	82.46	27200.9	EXCAVA SANE0	0.000	170.49	43488.5	
	TERRAP SANE0	0.000	170.49	44647.5	VEGETAL	1.879	40.03	40617.7	
114600.000	FIRME	7.862	155.87	156343.8	D TIERRA	0.739	8.56	112767.2	
	SUELO EST3	4.662	86.40	104860.9	D FIRME	3.365	46.81	83373.3	
	TERRAPLEN	2.365	50.04	27251.0	VEGETAL	1.832	37.11	40654.8	
114620.000	FIRME	7.807	156.69	156500.4	D TIERRA	0.314	10.53	112777.7	
	SUELO EST3	4.165	88.28	104949.2	D FIRME	1.708	50.73	83424.0	
	TERRAPLEN	1.969	43.33	27294.3	TERRAP SANE0	0.268	2.68	44650.2	
	VEGETAL	1.796	36.28	40691.1					

114640.000	FIRME	7.536	153.43	156653.9	D TIERRA	0.033	3.47	112781.2
	SUELO EST3	3.766	79.32	105028.5	D FIRME	1.738	34.46	83458.5
	TERRAPLEN	1.863	38.31	27332.6	TERRAP SANE0	0.143	4.12	44654.3
114660.000	VEGETAL	1.684	34.80	40725.9				
	FIRME	7.523	150.59	156804.5	D TIERRA	0.472	5.05	112786.3
	SUELO EST3	3.834	76.01	105104.5	D FIRME	2.237	39.75	83498.2
	TERRAPLEN	1.856	37.18	27369.8	TERRAP SANE0	0.000	1.43	44655.7
	VEGETAL	1.674	33.58	40759.5				

Istram 18.05.05.29 17/07/18 18:00:30 459 pagina 99
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.

114680.000	FIRME	7.805	153.29	156957.8	D TIERRA	0.579	10.51	112796.8	
	SUELO EST3	4.535	83.70	105188.2	D FIRME	1.776	40.13	83538.4	
	TERRAPLEN	1.702	35.58	27405.4	TERRAP SANE0	0.033	0.33	44656.1	
	VEGETAL	1.639	33.13	40792.6					
114700.000	FIRME	7.770	155.75	157113.5	D TIERRA	1.776	23.55	112820.3	
	SUELO EST3	4.411	89.46	105277.7	D FIRME	2.402	41.79	83580.1	
	TERRAPLEN	1.182	28.85	27434.2	TERRAP SANE0	0.000	0.33	44656.4	
	VEGETAL	1.648	32.86	40825.5					
114720.000	FIRME	8.073	158.43	157271.9	D TIERRA	3.203	49.79	112870.1	
	SUELO EST3	5.490	99.01	105376.7	D FIRME	2.294	46.96	83627.1	
	TERRAPLEN	1.994	31.76	27466.0	TERRAP SANE0	0.456	4.56	44661.0	
	VEGETAL	1.722	33.69	40859.2					
114740.000	FIRME	8.176	162.49	157434.4	D TIERRA	3.588	67.91	112938.0	
	SUELO EST3	5.559	110.49	105487.2	D FIRME	2.664	49.58	83676.7	
	TERRAPLEN	1.500	34.94	27500.9	TERRAP SANE0	0.000	4.56	44665.5	
	VEGETAL	1.672	33.93	40893.1					
114760.000	FIRME	8.210	163.86	157598.3	D TIERRA	5.010	85.98	113024.0	
	SUELO EST3	4.496	100.55	105587.7	D FIRME	2.419	50.83	83727.5	
	TERRAPLEN	1.266	27.66	27528.6	VEGETAL	1.731	34.03	40927.1	
114780.000	FIRME	8.290	165.00	157763.3	D TIERRA	5.588	105.98	113130.0	
	SUELO EST3	5.603	100.99	105688.7	D FIRME	1.520	39.39	83766.9	
	TERRAPLEN	1.641	29.07	27557.7	VEGETAL	1.797	35.27	40962.4	
114800.000	FIRME	7.909	161.99	157925.3	D TIERRA	3.739	93.28	113223.3	
	SUELO EST3	5.375	109.78	105798.5	D FIRME	2.972	44.92	83811.8	
	TERRAPLEN	1.382	30.23	27587.9	TERRAP SANE0	2.562	25.62	44691.1	
	VEGETAL	1.625	34.22	40996.6					
114820.000	FIRME	7.893	158.02	158083.3	D TIERRA	3.948	76.88	113300.1	
	SUELO EST3	5.307	106.82	105905.3	D FIRME	3.371	63.43	83875.2	
	TERRAPLEN	1.248	26.30	27614.2	TERRAP SANE0	0.000	25.62	44716.8	
	VEGETAL	1.630	32.55	41029.2					
114840.000	FIRME	7.880	157.73	158241.0	D TIERRA	2.440	63.88	113364.0	
	SUELO EST3	4.740	100.47	106005.8	D FIRME	2.831	62.02	83937.2	
	TERRAPLEN	1.361	26.09	27640.3	VEGETAL	1.596	32.26	41061.4	
114860.000	FIRME	7.900	157.80	158398.8	D TIERRA	2.124	45.63	113409.7	
	SUELO EST3	4.714	94.54	106100.3	D FIRME	2.280	51.11	83988.4	
	TERRAPLEN	1.802	31.63	27671.9	VEGETAL	1.587	31.83	41093.2	

PROYECTO :
EJE: 1: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115040.000	FIRME	8.669	173.27	159931.9	D TIERRA	4.202	86.29	114051.2	
	S SEL2	6.115	120.43	79396.9	SUELO EST3	6.035	120.34	107092.1	
	D FIRME	5.046	100.44	84630.0	TERRAPLEN	0.356	6.27	27837.0	
	EXCAVA SANE0	3.886	75.50	43680.7	TERRAP SANE0	3.886	75.50	44922.5	
	VEGETAL	2.005	39.39	41433.4					
115060.000	FIRME	8.686	173.55	160105.5	D TIERRA	4.223	84.25	114135.4	
	S SEL2	6.102	122.17	79519.0	SUELO EST3	6.063	120.98	107213.1	
	D FIRME	5.113	101.59	84731.6	TERRAPLEN	0.392	7.48	27844.5	
	EXCAVA SANE0	3.812	76.98	43757.7	TERRAP SANE0	3.812	76.98	44999.5	
	VEGETAL	1.980	39.85	41473.3					
115080.000	FIRME	8.696	173.82	160279.3	D TIERRA	3.987	82.10	114217.5	
	S SEL2	6.177	122.79	79641.8	SUELO EST3	6.085	121.48	107334.6	
	D FIRME	5.129	102.42	84834.0	TERRAPLEN	1.738	21.30	27865.8	
	EXCAVA SANE0	3.870	76.82	43834.5	TERRAP SANE0	3.870	76.82	45076.3	
	VEGETAL	2.038	40.18	41513.5					
115100.000	FIRME	8.708	174.03	160453.4	D TIERRA	4.925	89.13	114306.6	
	S SEL2	6.144	123.22	79765.0	SUELO EST3	6.107	121.93	107456.5	
	D FIRME	5.128	102.57	84936.6	TERRAPLEN	1.681	34.19	27900.0	
	EXCAVA SANE0	3.760	76.29	43910.8	TERRAP SANE0	3.760	76.29	45152.6	
	VEGETAL	2.017	40.55	41554.0					
115120.000	FIRME	8.753	174.60	160628.0	D TIERRA	5.240	101.66	114408.3	
	S SEL2	6.088	122.32	79887.3	SUELO EST3	6.114	122.22	107578.7	
	D FIRME	5.127	102.54	85039.1	TERRAPLEN	1.461	31.42	27931.4	
	EXCAVA SANE0	3.809	75.69	43986.5	TERRAP SANE0	3.809	75.69	45228.3	
	VEGETAL	2.016	40.33	41594.4					
115140.000	FIRME	7.948	167.01	160795.0	D TIERRA	3.210	84.50	114492.8	
	S SEL2	5.370	114.58	80001.9	SUELO EST3	5.289	114.03	107692.8	
	D FIRME	3.771	88.98	85128.1	TERRAPLEN	0.988	24.49	27955.9	
	EXCAVA SANE0	4.056	78.65	44065.2	TERRAP SANE0	4.056	78.65	45306.9	
	VEGETAL	2.090	41.07	41635.4					
115160.000	FIRME	7.767	157.15	160952.1	D TIERRA	3.235	64.45	114557.3	
	S SEL2	4.943	103.13	80105.1	SUELO EST3	4.982	102.71	107795.5	
	D FIRME	3.351	71.22	85199.3	TERRAPLEN	0.478	14.66	27970.6	
	EXCAVA SANE0	3.810	78.66	44143.8	TERRAP SANE0	3.810	78.66	45385.6	
	VEGETAL	2.000	40.90	41676.3					

Istram 18.05.05.29 17/07/18 18:00:30 459

pagina 102

PROYECTO :
EJE: 1: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115180.000	FIRME	8.763	165.29	161117.4	D TIERRA	6.221	94.56	114651.8	
	S SEL2	5.786	107.29	80212.4	SUELO EST3	5.873	108.55	107904.0	
	D FIRME	5.092	84.43	85283.8	TERRAPLEN	0.291	7.69	27978.3	
	EXCAVA SANE0	2.826	66.36	44210.2	TERRAP SANE0	2.826	66.36	45451.9	
	VEGETAL	1.910	39.10	41715.4					
115200.000	FIRME	8.822	175.84	161293.2	D TIERRA	5.267	114.88	114766.7	
	S SEL2	6.143	119.29	80331.6	SUELO EST3	6.075	119.48	108023.5	
	D FIRME	5.128	102.20	85386.0	TERRAPLEN	0.473	7.64	27985.9	
	EXCAVA SANE0	3.941	67.67	44277.9	TERRAP SANE0	3.941	67.67	45519.6	
	VEGETAL	2.042	39.51	41754.9					
115220.000	FIRME	8.807	176.29	161469.5	D TIERRA	5.362	106.29	114873.0	
	S SEL2	6.146	122.89	80454.5	SUELO EST3	6.056	121.30	108144.8	
	D FIRME	5.095	102.23	85488.2	TERRAPLEN	1.188	16.62	28002.5	
	EXCAVA SANE0	3.926	78.67	44356.5	TERRAP SANE0	3.926	78.67	45598.3	
	VEGETAL	2.049	40.91	41795.8					
115240.000	FIRME	8.791	175.98	161645.5	D TIERRA	6.238	116.00	114989.0	
	S SEL2	6.046	121.92	80576.5	SUELO EST3	6.036	120.91	108265.7	
	D FIRME	5.088	101.84	85590.0	TERRAPLEN	0.502	16.90	28019.4	
	EXCAVA SANE0	3.822	77.49	44434.0	TERRAP SANE0	3.822	77.49	45675.8	
	VEGETAL	2.000	40.50	41836.3					
115260.000	FIRME	8.774	175.65	161821.2	D TIERRA	6.165	124.03	115113.0	
	S SEL2	5.929	119.75	80696.2	SUELO EST3	5.988	120.24	108386.0	
	D FIRME	5.118	102.06	85692.1	TERRAPLEN	0.144	6.46	28025.9	
	EXCAVA SANE0	3.680	75.02	44509.0	TERRAP SANE0	3.680	75.02	45750.8	
	VEGETAL	1.939	39.39	41875.7					
115280.000	FIRME	7.878	166.52	161987.7	D TIERRA	4.321	104.87	115217.9	
	S SEL2	4.877	108.06	80804.3	SUELO EST3	4.965	109.54	108495.5	
	D FIRME	3.755	88.72	85780.8	TERRAPLEN	0.007	1.52	28027.4	
	EXCAVA SANE0	3.745	74.25	44583.3	TERRAP SANE0	3.745	74.25	45825.0	
	VEGETAL	1.874	38.13	41913.9					
115300.000	FIRME	9.132	170.10	162157.8	D TIERRA	11.234	155.55	115373.4	
	S SEL2	5.544	104.21	80908.5	SUELO EST3	5.633	105.98	108601.5	
	D FIRME	3.934	76.89	85857.7	TERRAPLEN	0.000	0.07	28027.5	
	EXCAVA SANE0	1.130	48.75	44632.0	TERRAP SANE0	1.130	48.75	45873.8	
	VEGETAL	2.461	43.35	41957.2					

Istram 18.05.05.29 17/07/18 18:00:30 459

pagina 103

PROYECTO :
EJE: 1: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115320.000	FIRME	9.801	189.33	162347.1	D TIERRA	15.299	265.33	115638.8	
	S SEL2	6.312	118.57	81027.1	SUELO EST3	6.399	120.32	108721.8	
	D FIRME	5.129	90.64	85948.4	TERRAPLEN	0.020	0.20	28027.7	

115340.000	EXCAVA SANE0	0.000	11.30	44643.3	TERRAP SANE0	0.000	11.30	45885.1	
	VEGETAL	2.525	49.86	42007.1					
	FIRME	9.783	195.84	162543.0	D TIERRA	14.996	302.95	115941.7	
	S SEL2	6.294	126.07	81153.1	SUELO EST3	6.380	127.80	108849.6	
	D FIRME	5.159	102.88	86051.2	TERRAPLEN	0.020	0.41	28028.1	
115360.000	VEGETAL	2.529	50.55	42057.6					
	FIRME	9.765	195.48	162738.4	D TIERRA	22.681	376.78	116318.5	
	S SEL2	6.274	125.68	81278.8	SUELO EST3	6.360	127.40	108977.0	
	D FIRME	5.207	103.66	86154.9	TERRAPLEN	0.020	0.40	28028.5	
	VEGETAL	2.703	52.32	42109.9					
115380.000	FIRME	9.740	195.06	162933.5	D TIERRA	14.477	371.59	116690.1	
	S SEL2	6.251	125.26	81404.1	SUELO EST3	6.336	126.96	109104.0	
	D FIRME	5.288	104.95	86259.8	TERRAPLEN	0.020	0.40	28028.9	
	VEGETAL	2.482	51.85	42161.8					
	FIRME	9.716	194.56	163128.1	D TIERRA	9.977	244.54	116934.6	
115400.000	S SEL2	6.227	124.79	81528.8	SUELO EST3	6.312	126.49	109230.5	
	D FIRME	5.287	105.75	86365.6	TERRAPLEN	0.021	0.41	28029.3	
	VEGETAL	2.322	48.04	42209.8					
	FIRME	9.690	194.07	163322.1	D TIERRA	9.050	190.27	117124.9	
	S SEL2	6.204	124.31	81653.2	SUELO EST3	6.291	126.03	109356.5	
115420.000	D FIRME	5.282	105.70	86471.3	TERRAPLEN	0.062	0.83	28030.1	
	EXCAVA SANE0	2.924	29.24	44672.6	TERRAP SANE0	2.924	29.24	45914.3	
	VEGETAL	2.340	46.62	42256.5					
	FIRME	8.417	181.07	163503.2	D TIERRA	8.184	172.33	117297.2	
	S SEL2	5.046	112.50	81765.7	SUELO EST3	5.134	114.25	109470.7	
115440.000	D FIRME	3.459	87.41	86558.7	TERRAPLEN	0.269	3.31	28033.4	
	EXCAVA SANE0	2.986	59.11	44731.7	TERRAP SANE0	2.986	59.11	45973.4	
	VEGETAL	2.537	48.77	42305.2					
	FIRME	8.258	166.74	163669.9	D TIERRA	10.506	186.89	117484.1	
	S SEL2	4.991	100.38	81866.0	SUELO EST3	5.079	102.13	109572.9	
115460.000	D FIRME	3.376	68.35	86627.1	TERRAPLEN	0.112	3.81	28037.2	
	EXCAVA SANE0	2.829	58.16	44789.8	TERRAP SANE0	2.829	58.16	46031.6	
	VEGETAL	2.570	51.07	42356.3					

Istram 18.05.05.29 17/07/18 18:00:30 459

pagina 104

PROYECTO :
EJE: 1: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115480.000	FIRME	9.606	178.64	163848.6	D TIERRA	14.115	246.21	117730.3	
	S SEL2	6.132	111.23	81977.3	SUELO EST3	6.218	112.97	109685.8	
	D FIRME	5.214	85.90	86713.0	TERRAPLEN	0.075	1.87	28039.1	
	EXCAVA SANE0	2.719	55.49	44845.3	TERRAP SANE0	2.719	55.49	46087.1	
	VEGETAL	2.786	53.56	42409.9					
115500.000	FIRME	9.577	191.83	164040.4	D TIERRA	13.514	276.30	118006.6	
	S SEL2	6.106	122.38	82099.6	SUELO EST3	6.192	124.10	109809.9	
	D FIRME	5.229	104.43	86817.4	TERRAPLEN	0.060	1.35	28040.5	
	EXCAVA SANE0	2.779	54.98	44900.3	TERRAP SANE0	2.779	54.98	46142.1	
	VEGETAL	2.805	55.90	42465.8					
115520.000	FIRME	9.544	191.21	164231.6	D TIERRA	12.370	258.84	118265.5	
	S SEL2	6.081	121.87	82221.5	SUELO EST3	6.167	123.60	109933.5	
	D FIRME	5.243	104.72	86922.1	TERRAPLEN	0.106	1.66	28042.1	
	EXCAVA SANE0	2.779	55.58	44955.9	TERRAP SANE0	2.779	55.58	46197.6	
	VEGETAL	2.626	54.31	42520.1					
115540.000	FIRME	9.511	190.55	164422.2	D TIERRA	11.758	241.28	118506.7	
	S SEL2	6.056	121.37	82342.9	SUELO EST3	6.142	123.09	110056.6	
	D FIRME	5.258	105.01	87027.1	TERRAPLEN	0.048	1.54	28043.7	
	EXCAVA SANE0	2.747	55.26	45011.2	TERRAP SANE0	2.747	55.26	46252.9	
	VEGETAL	2.449	50.75	42570.8					
115560.000	FIRME	9.477	189.88	164612.1	D TIERRA	9.042	208.00	118714.7	
	S SEL2	6.029	120.85	82463.7	SUELO EST3	6.117	122.59	110179.2	
	D FIRME	5.272	105.30	87132.4	TERRAPLEN	0.116	1.63	28045.3	
	EXCAVA SANE0	2.948	56.95	45068.1	TERRAP SANE0	2.948	56.95	46309.9	
	VEGETAL	2.279	47.29	42618.1					
115580.000	FIRME	9.447	189.24	164801.3	D TIERRA	12.992	220.34	118935.1	
	S SEL2	6.007	120.37	82584.1	SUELO EST3	6.094	122.11	110301.3	
	D FIRME	5.318	105.90	87238.3	TERRAPLEN	0.022	1.37	28046.7	
	EXCAVA SANE0	0.000	29.48	45097.6	TERRAP SANE0	0.000	29.48	46339.3	
	VEGETAL	2.336	46.16	42664.3					
115600.000	FIRME	9.428	188.75	164990.1	D TIERRA	14.563	275.56	119210.6	
	S SEL2	5.994	120.01	82704.1	SUELO EST3	6.080	121.74	110423.1	
	D FIRME	5.338	106.56	87344.9	TERRAPLEN	0.031	0.53	28047.2	
	VEGETAL	2.633	49.70	42714.0					
115620.000	FIRME	9.423	188.52	165178.6	D TIERRA	14.588	291.52	119502.2	
	S SEL2	5.990	119.84	82823.9	SUELO EST3	6.077	121.57	110544.6	
	D FIRME	5.335	106.74	87451.6	TERRAPLEN	0.037	0.68	28047.9	
	VEGETAL	2.784	54.17	42768.1					

115700.000	S SEL2	5.987	119.75	83183.2	SUELO EST3	6.074	121.47	110909.1
	D FIRME	5.334	106.68	87771.6	TERRAPLEN	0.023	0.45	28049.4
	VEGETAL	2.389	48.93	42922.9				
115720.000	FIRME	9.417	188.35	165932.2	D TIERRA	12.447	248.16	120518.6
	S SEL2	5.986	119.73	83303.0	SUELO EST3	6.072	121.46	111030.6
	D FIRME	5.329	106.63	87878.2	TERRAPLEN	0.023	0.46	28049.8
115740.000	VEGETAL	2.424	48.13	42971.0				
	FIRME	9.406	188.24	166120.4	D TIERRA	14.740	271.87	120790.5
	S SEL2	5.978	119.64	83422.6	SUELO EST3	6.065	121.37	111151.9
115760.000	D FIRME	5.324	106.53	87984.7	TERRAPLEN	0.027	0.50	28050.3
	VEGETAL	2.562	49.87	43020.9				
	FIRME	9.389	187.96	166308.4	D TIERRA	22.046	367.86	121158.3
115780.000	S SEL2	5.967	119.46	83542.1	SUELO EST3	6.052	121.18	111273.1
	D FIRME	5.335	106.59	88091.3	TERRAPLEN	0.020	0.47	28050.8
	VEGETAL	2.428	49.91	43070.8				
115800.000	FIRME	9.378	187.67	166496.0	D TIERRA	20.010	420.56	121578.9
	S SEL2	5.959	119.26	83661.3	SUELO EST3	6.045	120.98	111394.1
	D FIRME	5.336	106.71	88198.0	TERRAPLEN	0.020	0.40	28051.2
115820.000	VEGETAL	2.291	47.19	43118.0				
	FIRME	9.375	187.53	166683.6	D TIERRA	16.094	361.04	121939.9
	S SEL2	5.955	119.15	83780.5	SUELO EST3	6.044	120.89	111515.0
115840.000	D FIRME	5.342	106.78	88304.8	TERRAPLEN	0.032	0.52	28051.7
	VEGETAL	2.227	45.18	43163.2				
	FIRME	9.378	187.53	166871.1	D TIERRA	14.939	310.33	122250.3
115860.000	S SEL2	5.959	119.15	83899.6	SUELO EST3	6.046	120.90	111635.9
	D FIRME	5.353	106.95	88411.7	TERRAPLEN	0.036	0.68	28052.4
	VEGETAL	2.213	44.41	43207.6				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 106
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
115820.000	FIRME	9.389	187.67	167058.8	D TIERRA	14.739	296.78	122547.0
	S SEL2	5.968	119.27	84018.9	SUELO EST3	6.053	121.00	111756.9
	D FIRME	5.341	106.94	88518.7	TERRAPLEN	0.028	0.63	28053.0
	VEGETAL	2.237	44.50	43252.1				
115840.000	FIRME	9.407	187.96	167246.7	D TIERRA	14.067	288.06	122835.1
	S SEL2	5.977	119.45	84138.4	SUELO EST3	6.066	121.19	111878.1
	D FIRME	5.331	106.72	88625.4	TERRAPLEN	0.028	0.56	28053.6
	VEGETAL	2.186	44.23	43296.3				
115860.000	FIRME	9.431	188.38	167435.1	D TIERRA	13.450	275.17	123110.3
	S SEL2	5.996	119.73	84258.1	SUELO EST3	6.082	121.48	111999.6
	D FIRME	5.349	106.81	88732.2	TERRAPLEN	0.029	0.57	28054.2
	VEGETAL	2.145	43.32	43339.7				
115880.000	FIRME	9.462	188.93	167624.0	D TIERRA	12.202	256.52	123366.8
	S SEL2	6.019	120.15	84378.2	SUELO EST3	6.104	121.87	112121.4
	D FIRME	5.346	106.95	88839.2	TERRAPLEN	0.001	0.30	28054.5
	VEGETAL	2.102	42.47	43382.1				
115900.000	FIRME	9.497	189.59	167813.6	D TIERRA	10.666	228.68	123595.5
	S SEL2	6.045	120.64	84498.9	SUELO EST3	6.133	122.37	112243.8
	D FIRME	5.328	106.74	88945.9	TERRAPLEN	0.004	0.05	28054.5
	VEGETAL	2.094	41.96	43424.1				
115920.000	FIRME	8.985	184.82	167998.4	D TIERRA	9.036	197.02	123792.5
	S SEL2	5.777	118.22	84617.1	SUELO EST3	5.863	119.96	112363.8
	D FIRME	5.324	106.52	89052.4	TERRAPLEN	0.021	0.25	28054.8
	VEGETAL	1.895	39.89	43464.0				
115940.000	FIRME	8.968	179.53	168178.0	D TIERRA	9.201	182.37	123974.9
	S SEL2	5.768	115.44	84732.5	SUELO EST3	5.854	117.18	112480.9
	D FIRME	5.317	106.40	89158.8	TERRAPLEN	0.021	0.41	28055.2
	VEGETAL	1.888	37.83	43501.8				
115960.000	FIRME	9.109	180.77	168358.7	D TIERRA	9.787	189.89	124164.8
	S SEL2	5.861	116.29	84848.8	SUELO EST3	5.947	118.01	112599.0
	D FIRME	5.309	106.25	89265.1	TERRAPLEN	0.021	0.41	28055.6
	VEGETAL	1.966	38.54	43540.3				
115980.000	FIRME	9.582	186.91	168545.7	D TIERRA	11.427	212.15	124376.9
	S SEL2	6.112	119.73	84968.6	SUELO EST3	6.198	121.45	112720.4
	D FIRME	5.331	106.39	89371.5	TERRAPLEN	0.009	0.30	28055.9
	VEGETAL	2.161	41.28	43581.6				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 107
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116000.000	FIRME	9.592	191.74	168737.4	D TIERRA	12.019	234.46	124611.4
	S SEL2	6.120	122.32	85090.9	SUELO EST3	6.206	124.04	112844.4
	D FIRME	5.365	106.96	89478.4	TERRAPLEN	0.021	0.30	28056.2
	VEGETAL	2.229	43.91	43625.5				
116020.000	FIRME	9.602	191.94	168929.3	D TIERRA	10.932	229.51	124840.9
	S SEL2	6.128	122.48	85213.4	SUELO EST3	6.214	124.20	112968.6
	D FIRME	5.354	107.19	89585.6	TERRAPLEN	0.021	0.41	28056.6
	VEGETAL	2.290	45.19	43670.7				
116040.000	FIRME	9.611	192.13	169121.5	D TIERRA	9.511	204.43	125045.3
	S SEL2	6.136	122.64	85336.0	SUELO EST3	6.222	124.36	113093.0
	D FIRME	5.345	106.99	89692.6	TERRAPLEN	0.172	1.93	28058.5
	VEGETAL	2.281	45.71	43716.4				
116060.000	FIRME	9.621	192.32	169313.8	D TIERRA	9.477	189.88	125235.2
	S SEL2	6.144	122.80	85458.8	SUELO EST3	6.230	124.52	113217.5
	D FIRME	5.335	106.80	89799.4	TERRAPLEN	0.105	2.77	28061.3
	VEGETAL	2.285	45.67	43762.1				
116080.000	FIRME	9.630	192.52	169506.3	D TIERRA	9.305	187.82	125423.0

116100.000	S SEL2	6.152	122.95	85581.7	SUELO EST3	6.239	124.69	113342.2
	D FIRME	5.326	106.61	89906.0	TERRAPLEN	0.069	1.74	28063.0
	VEGETAL	2.282	45.68	43807.8				
116120.000	FIRME	9.640	192.71	169699.0	D TIERRA	9.204	185.09	125608.1
	S SEL2	6.160	123.11	85704.9	SUELO EST3	6.247	124.85	113467.1
	D FIRME	5.328	106.53	90012.6	TERRAPLEN	0.066	1.36	28064.4
116140.000	VEGETAL	2.269	45.51	43853.3				
	FIRME	9.649	192.89	169891.9	D TIERRA	9.363	185.67	125793.8
	S SEL2	6.166	123.26	85828.1	SUELO EST3	6.255	125.01	113592.1
116160.000	D FIRME	5.331	106.59	90119.1	TERRAPLEN	0.060	1.26	28065.7
	VEGETAL	2.255	45.24	43898.5				
	FIRME	9.657	193.06	170085.0	D TIERRA	9.587	189.50	125983.3
116180.000	S SEL2	6.175	123.41	85951.5	SUELO EST3	6.263	125.17	113717.2
	D FIRME	5.333	106.65	90225.8	TERRAPLEN	0.095	1.55	28067.2
	VEGETAL	2.255	45.11	43943.6				
116200.000	FIRME	9.667	193.25	170278.2	D TIERRA	10.225	198.12	126181.4
	S SEL2	6.183	123.58	86075.1	SUELO EST3	6.270	125.32	113842.6
	D FIRME	5.338	106.72	90332.5	TERRAPLEN	0.065	1.61	28068.8
116220.000	EXCAVA SANE0	3.390	33.90	45131.5	TERRAP SANE0	3.390	33.90	46373.2
	VEGETAL	2.265	45.20	43988.8				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 108
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116180.000	FIRME	9.674	193.42	170471.6	D TIERRA	10.780	210.05	126391.4
	S SEL2	6.189	123.72	86198.8	SUELO EST3	6.276	125.45	113968.0
	D FIRME	5.344	106.82	90439.3	TERRAPLEN	0.030	0.95	28069.8
	EXCAVA SANE0	3.359	67.49	45199.0	TERRAP SANE0	3.359	67.49	46440.7
	VEGETAL	2.254	45.19	44034.0				
116200.000	FIRME	9.679	193.53	170665.2	D TIERRA	10.853	216.33	126607.8
	S SEL2	6.194	123.82	86322.6	SUELO EST3	6.280	125.56	114093.6
	D FIRME	5.349	106.93	90546.3	TERRAPLEN	0.140	1.70	28071.5
	EXCAVA SANE0	3.459	68.18	45267.2	TERRAP SANE0	3.459	68.18	46508.9
	VEGETAL	2.248	45.03	44079.1				
116220.000	FIRME	9.682	193.61	170858.8	D TIERRA	11.005	218.58	126826.3
	S SEL2	6.196	123.90	86446.5	SUELO EST3	6.283	125.63	114219.2
	D FIRME	5.362	107.11	90653.4	TERRAPLEN	0.067	2.07	28073.5
	EXCAVA SANE0	3.420	68.79	45336.0	TERRAP SANE0	3.420	68.79	46577.7
	VEGETAL	2.253	45.01	44124.1				
116240.000	FIRME	8.601	182.83	171041.6	D TIERRA	8.812	198.17	127024.5
	S SEL2	5.632	118.28	86564.8	SUELO EST3	5.719	120.01	114339.2
	D FIRME	5.381	107.43	90760.8	TERRAPLEN	0.007	0.74	28074.3
	EXCAVA SANE0	3.442	68.61	45404.6	TERRAP SANE0	3.442	68.61	46646.3
	VEGETAL	1.660	39.13	44163.2				
116260.000	FIRME	9.676	182.77	171224.4	D TIERRA	10.411	192.23	127216.7
	S SEL2	6.191	118.23	86683.0	SUELO EST3	6.278	119.96	114459.2
	D FIRME	5.402	107.83	90868.6	TERRAPLEN	0.021	0.28	28074.5
	EXCAVA SANE0	0.000	34.42	45439.0	TERRAP SANE0	0.000	34.42	46680.7
	VEGETAL	2.248	39.08	44202.3				
116280.000	FIRME	9.668	193.44	171417.8	D TIERRA	10.200	206.11	127422.9
	S SEL2	6.183	123.74	86806.8	SUELO EST3	6.270	125.48	114584.7
	D FIRME	5.398	108.01	90976.6	TERRAPLEN	0.021	0.41	28075.0
	VEGETAL	2.247	44.95	44247.2				
116300.000	FIRME	8.577	182.45	171600.3	D TIERRA	8.289	184.89	127607.7
	S SEL2	5.627	118.11	86924.9	SUELO EST3	5.712	119.83	114704.5
	D FIRME	5.398	107.97	91084.6	TERRAPLEN	0.000	0.21	28075.2
	EXCAVA SANE0	3.420	34.20	45473.2	TERRAP SANE0	3.420	34.20	46714.9
	VEGETAL	1.648	38.95	44286.2				

116440.000	S SEL2	5.710	114.48	87610.8	SUELO EST3	5.707	114.37	115393.6
	D FIRME	5.432	108.70	91736.5	TERRAPLEN	0.135	3.37	28096.3
	EXCAVA SANE0	3.453	69.28	45888.9	TERRAP SANE0	3.453	69.28	47130.6
	VEGETAL	1.635	32.86	44484.5				
	FIRME	8.405	168.43	172790.8	D TIERRA	7.155	145.92	128674.9
	S SEL2	5.720	114.30	87725.1	SUELO EST3	5.683	113.90	115507.5
	D FIRME	5.427	108.59	91845.0	TERRAPLEN	0.087	2.22	28098.5
	EXCAVA SANE0	3.493	69.46	45958.3	TERRAP SANE0	3.493	69.46	47200.1
	VEGETAL	1.641	32.77	44517.3				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 110
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116460.000	FIRME	8.369		167.73	172958.5	D TIERRA	6.915		140.70	128815.6
	S SEL2	5.698		114.18	87839.3	SUELO EST3	5.656		113.39	115620.9
	D FIRME	5.430		108.57	91953.6	TERRAPLEN	0.065		1.53	28100.0
	EXCAVA SANE0	3.459		69.52	46027.9	TERRAP SANE0	3.459		69.52	47269.6
	VEGETAL	1.622		32.63	44549.9					
116480.000	FIRME	8.328		166.97	173125.5	D TIERRA	6.867		137.83	128953.4
	S SEL2	5.697		113.94	87953.2	SUELO EST3	5.628		112.84	115733.7
	D FIRME	5.418		108.48	92062.1	TERRAPLEN	0.044		1.09	28101.1
	EXCAVA SANE0	3.479		69.37	46097.2	TERRAP SANE0	3.479		69.37	47339.0
	VEGETAL	1.619		32.41	44582.3					
116500.000	FIRME	8.286		166.14	173291.7	D TIERRA	7.656		145.23	129098.7
	S SEL2	5.640		113.37	88066.6	SUELO EST3	5.598		112.25	115846.0
	D FIRME	5.418		108.36	92170.5	TERRAPLEN	0.000		0.44	28101.6
	EXCAVA SANE0	3.424		69.02	46166.2	TERRAP SANE0	3.424		69.02	47408.0
	VEGETAL	1.596		32.15	44614.5					
116520.000	FIRME	8.240		165.26	173456.9	D TIERRA	8.074		157.30	129255.9
	S SEL2	5.543		111.83	88178.4	SUELO EST3	5.561		111.59	115957.6
	D FIRME	5.419		108.38	92278.8	EXCAVA SANE0	3.276		67.00	46233.3
	TERRAP SANE0	3.276		67.00	47475.0	VEGETAL	1.553		31.49	44646.0
	FIRME	8.193		164.33	173621.2	D TIERRA	7.898		159.72	129415.7
116540.000	S SEL2	5.511		110.54	88289.0	SUELO EST3	5.529		110.90	116068.5
	D FIRME	5.425		108.44	92387.3	EXCAVA SANE0	3.223		65.00	46298.2
	TERRAP SANE0	3.223		65.00	47540.0	VEGETAL	1.529		30.82	44676.8
	FIRME	8.145		163.38	173784.6	D TIERRA	7.668		155.66	129571.3
	S SEL2	5.477		109.88	88398.8	SUELO EST3	5.498		110.28	116178.8
116560.000	D FIRME	5.423		108.48	92495.8	EXCAVA SANE0	3.175		63.98	46362.2
	TERRAP SANE0	3.175		63.98	47604.0	VEGETAL	1.509		30.38	44707.2
	FIRME	8.100		162.45	173947.1	D TIERRA	7.720		153.89	129725.2
	S SEL2	5.451		109.28	88508.1	SUELO EST3	5.471		109.69	116288.5
	D FIRME	5.434		108.56	92604.3	EXCAVA SANE0	3.124		62.99	46425.2
116580.000	TERRAP SANE0	3.124		62.99	47667.0	VEGETAL	1.486		29.95	44737.1
	FIRME	8.056		161.57	174108.6	D TIERRA	7.668		153.89	129879.1
	S SEL2	5.367		108.18	88616.3	SUELO EST3	5.424		108.95	116397.4
	D FIRME	5.430		108.64	92713.0	EXCAVA SANE0	3.002		61.27	46486.5
	TERRAP SANE0	3.002		61.27	47728.2	VEGETAL	1.446		29.32	44766.4

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 111
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

116620.000	FIRME	8.016		160.73	174269.4	D TIERRA	7.098		147.66	130026.8
	S SEL2	5.309		106.76	88723.1	SUELO EST3	5.381		108.05	116505.5
	D FIRME	5.410		108.40	92821.4	EXCAVA SANE0	2.933		59.35	46545.8
	TERRAP SANE0	2.933		59.35	47787.6	VEGETAL	1.424		28.70	44795.1
116640.000	FIRME	8.019		160.36	174429.7	D TIERRA	6.971		140.69	130167.5
	S SEL2	5.311		106.20	88829.3	SUELO EST3	5.383		107.64	116613.1
	D FIRME	5.414		108.24	92929.6	EXCAVA SANE0	2.934		58.67	46604.5
	TERRAP SANE0	2.934		58.67	47846.3	VEGETAL	1.424		28.48	44823.6
116660.000	FIRME	5.989		140.08	174569.8	D TIERRA	4.194		111.65	130279.1
	S SEL2	3.357		86.69	88915.9	SUELO EST3	3.436		88.19	116701.3
	D FIRME	2.376		77.90	93007.5	TERRAPLEN	0.008		0.09	28101.7
	EXCAVA SANE0	2.915		58.48	46663.0	TERRAP SANE0	2.915		58.48	47904.7
116680.000	VEGETAL	1.420		28.44	44852.1					
	FIRME	6.188		121.77	174691.6	D TIERRA	4.119		83.13	130362.2
	S SEL2	3.376		67.34	88983.3	SUELO EST3	3.461		68.96	116770.2
	D FIRME	2.437		48.13	93055.6	TERRAPLEN	0.070		0.78	28102.4
	EXCAVA SANE0	2.882		57.97	46721.0	TERRAP SANE0	2.882		57.97	47962.7
116700.000	VEGETAL	1.412		28.32	44880.4					
	FIRME	6.637		128.26	174819.8	D TIERRA	4.100		82.19	130444.4
	S SEL2	3.670		70.46	89053.7	SUELO EST3	3.751		72.12	116842.4
	D FIRME	2.850		52.87	93108.5	TERRAPLEN	0.196		2.66	28105.1
	EXCAVA SANE0	2.929		58.11	46779.1	TERRAP SANE0	2.929		58.11	48020.8
116720.000	VEGETAL	1.429		28.42	44908.8					
	FIRME	6.507		131.45	174951.3	D TIERRA	4.000		80.99	130525.4
	S SEL2	3.517		71.86	89125.6	SUELO EST3	3.605		73.56	116915.9
	D FIRME	2.754		56.04	93164.6	TERRAPLEN	0.349		5.46	28110.6
	EXCAVA SANE0	2.776		57.05	46836.1	TERRAP SANE0	2.776		57.05	48077.9
116740.000	VEGETAL	1.390		28.19	44937.0					
	FIRME	6.420		129.27	175080.5	D TIERRA	3.888		78.88	130604.3
	S SEL2	3.369		68.86	89194.5	SUELO EST3	3.456		70.61	116986.5
	D FIRME	2.645		53.99	93218.5	TERRAPLEN	0.421		7.71	28118.3
	EXCAVA SANE0	2.599		53.75	46889.9	TERRAP SANE0	2.599		53.75	48131.6
116760.000	VEGETAL	1.348		27.38	44964.4					
	FIRME	6.370		127.90	175208.4	D TIERRA	3.842		77.30	130681.6
	S SEL2	3.427		67.96	89262.4	SUELO EST3	3.514		69.70	117056.2
	D FIRME	2.702		53.47	93272.0	TERRAPLEN	0.625		10.46	28128.7

EXCAVA SANE0 2.636 52.34 46942.2 TERRAP SANE0 2.636 52.34 48184.0
VEGETAL 1.361 27.08 44991.5
Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 112
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

116780.000	FIRME	6.316	126.86	175335.3	D TIERRA	4.106	79.48	130761.1
	S SEL2	3.450	68.77	89331.2	SUELO EST3	3.536	70.49	117126.7
	D FIRME	2.743	54.45	93326.5	TERRAPLEN	0.502	11.27	28140.0
	EXCAVA SANE0	2.460	50.96	46993.2	TERRAP SANE0	2.460	50.96	48234.9
	VEGETAL	1.361	27.22	45018.7				
116800.000	FIRME	6.197	125.13	175460.4	D TIERRA	4.280	83.86	130844.9
	S SEL2	3.409	68.59	89399.8	SUELO EST3	3.496	70.32	117197.0
	D FIRME	2.785	55.28	93381.7	TERRAPLEN	0.212	7.14	28147.2
	EXCAVA SANE0	2.492	49.51	47042.7	TERRAP SANE0	2.492	49.51	48284.4
	VEGETAL	1.315	26.76	45045.4				
116820.000	FIRME	6.369	125.65	175586.1	D TIERRA	4.146	84.27	130929.2
	S SEL2	3.462	68.71	89468.5	SUELO EST3	3.548	70.44	117267.5
	D FIRME	2.827	56.12	93437.9	TERRAPLEN	0.188	4.00	28151.2
	EXCAVA SANE0	2.553	50.45	47093.1	TERRAP SANE0	2.553	50.45	48334.9
	VEGETAL	1.332	26.46	45071.9				
116840.000	FIRME	6.565	129.34	175715.4	D TIERRA	3.935	80.81	131010.0
	S SEL2	3.483	69.45	89537.9	SUELO EST3	3.571	71.19	117338.7
	D FIRME	2.863	56.90	93494.8	TERRAPLEN	0.254	4.41	28155.6
	EXCAVA SANE0	2.564	51.18	47144.3	TERRAP SANE0	2.564	51.18	48386.1
	VEGETAL	1.331	26.63	45098.5				
116860.000	FIRME	6.731	132.95	175848.4	D TIERRA	3.670	76.05	131086.1
	S SEL2	3.517	70.00	89607.9	SUELO EST3	3.604	71.75	117410.4
	D FIRME	2.893	57.56	93552.3	TERRAPLEN	0.352	6.06	28161.6
	EXCAVA SANE0	2.585	51.49	47195.8	TERRAP SANE0	2.585	51.49	48437.5
	VEGETAL	1.340	26.71	45125.2				
116880.000	FIRME	6.559	132.89	175981.3	D TIERRA	3.691	73.61	131159.7
	S SEL2	3.590	71.07	89679.0	SUELO EST3	3.677	72.81	117483.2
	D FIRME	2.933	58.26	93610.6	TERRAPLEN	0.324	6.76	28168.4
	EXCAVA SANE0	2.665	52.50	47248.3	TERRAP SANE0	2.665	52.50	48490.0
	VEGETAL	1.373	27.13	45152.4				
116900.000	FIRME	6.290	128.49	176109.8	D TIERRA	3.780	74.71	131234.4
	S SEL2	3.618	72.08	89751.1	SUELO EST3	3.705	73.83	117557.1
	D FIRME	2.981	59.14	93669.7	TERRAPLEN	0.287	6.10	28174.5
	EXCAVA SANE0	2.693	53.58	47301.9	TERRAP SANE0	2.693	53.58	48543.6
	VEGETAL	1.371	27.44	45179.8				

117060.000	FIRME	6.025	120.43	177085.3	D TIERRA	2.796	66.86	131844.1
	S SEL2	3.011	65.92	90320.8	SUELO EST3	3.097	67.66	118140.7
	D FIRME	3.030	61.99	94168.2	TERRAPLEN	0.591	12.06	28272.3
	EXCAVA SANE0	2.781	55.74	47745.4	TERRAP SANE0	2.781	55.74	49987.2
	VEGETAL	1.236	25.05	45386.9				
117080.000	FIRME	6.712	127.37	177212.6	D TIERRA	5.500	82.95	131927.0
	S SEL2	4.081	70.91	90391.7	SUELO EST3	4.166	72.63	118213.3
	D FIRME	4.238	72.68	94240.8	TERRAPLEN	0.458	10.49	28282.8
	EXCAVA SANE0	2.740	55.21	47800.6	TERRAP SANE0	2.740	55.21	49042.4
	VEGETAL	1.253	24.89	45411.7				
117100.000	FIRME	9.170	158.82	177371.5	D TIERRA	10.819	163.19	132090.2
	S SEL2	5.833	99.13	90490.8	SUELO EST3	5.910	100.77	118314.1
	D FIRME	7.059	112.96	94353.8	TERRAPLEN	0.319	7.77	28290.5
	EXCAVA SANE0	2.769	55.09	47855.7	TERRAP SANE0	2.770	55.10	49097.5
	VEGETAL	1.262	25.14	45436.9				
117120.000	FIRME	9.182	183.52	177555.0	D TIERRA	11.508	223.27	132313.5
	S SEL2	5.893	117.26	90608.1	SUELO EST3	5.915	118.25	118432.3
	D FIRME	7.244	143.03	94496.8	TERRAPLEN	0.218	5.37	28295.9
	EXCAVA SANE0	2.757	55.26	47911.0	TERRAP SANE0	2.757	55.27	49152.8
	VEGETAL	1.226	24.87	45461.8				
117140.000	FIRME	9.186	183.68	177738.7	D TIERRA	11.553	230.60	132544.1
	S SEL2	5.905	117.98	90726.1	SUELO EST3	5.920	118.35	118550.7
	D FIRME	7.251	144.95	94641.8	TERRAPLEN	0.222	4.40	28300.3
	EXCAVA SANE0	2.742	54.99	47966.0	TERRAP SANE0	2.742	54.99	49207.8
	VEGETAL	1.218	24.44	45486.2				
117160.000	FIRME	9.142	183.28	177921.9	D TIERRA	12.188	237.41	132781.5
	S SEL2	5.890	117.95	90844.0	SUELO EST3	5.893	118.13	118668.8
	D FIRME	7.265	145.16	94786.9	TERRAPLEN	0.148	3.70	28304.0
	EXCAVA SANE0	2.602	53.43	48019.4	TERRAP SANE0	2.602	53.43	49261.2
	VEGETAL	1.190	24.08	45510.3				
117180.000	FIRME	9.144	182.86	178104.8	D TIERRA	13.048	252.36	133033.8
	S SEL2	5.849	117.39	90961.4	SUELO EST3	5.895	117.88	118786.7
	D FIRME	7.350	146.14	94933.1	TERRAPLEN	0.073	2.21	28306.2
	EXCAVA SANE0	2.414	50.16	48069.6	TERRAP SANE0	2.414	50.16	49311.3
	VEGETAL	1.178	23.68	45534.0				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 115

PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
117200.000	FIRME	9.151	182.95	178287.8	D TIERRA	14.294	273.42	133307.3
	S SEL2	5.811	116.60	91078.0	SUELO EST3	5.900	117.94	118904.6
	D FIRME	5.426	127.76	95060.8	TERRAPLEN	0.079	1.52	28307.7
	EXCAVA SANE0	0.462	28.77	48098.3	TERRAP SANE0	0.462	28.77	49340.1
	VEGETAL	1.971	31.49	45565.4				
117220.000	FIRME	8.506	176.57	178464.3	D TIERRA	12.529	268.23	133575.5
	S SEL2	5.439	112.50	91190.5	SUELO EST3	5.527	114.26	119018.9
	D FIRME	5.485	109.11	95170.0	TERRAPLEN	0.048	1.27	28309.0
	EXCAVA SANE0	2.689	31.51	48129.9	TERRAP SANE0	2.689	31.51	49371.6
	VEGETAL	1.574	35.44	45600.9				
117240.000	FIRME	8.403	169.09	178633.4	D TIERRA	12.906	254.36	133829.9
	S SEL2	5.377	108.16	91298.7	SUELO EST3	5.463	109.90	119128.8
	D FIRME	5.476	109.61	95279.6	TERRAPLEN	0.019	0.67	28309.7
	EXCAVA SANE0	2.571	52.60	48182.5	TERRAP SANE0	2.571	52.60	49424.2
	VEGETAL	1.535	31.08	45632.0				
117260.000	FIRME	9.119	175.22	178808.6	D TIERRA	15.955	288.61	134118.5
	S SEL2	5.793	111.70	91410.3	SUELO EST3	5.880	113.43	119242.2
	D FIRME	6.147	116.23	95395.8	TERRAPLEN	0.019	0.39	28310.1
	EXCAVA SANE0	0.000	25.71	48208.2	TERRAP SANE0	0.000	25.71	49449.9
	VEGETAL	1.668	32.03	45664.0				
117280.000	FIRME	9.123	182.42	178991.1	D TIERRA	16.361	323.16	134441.6
	S SEL2	5.813	116.06	91526.4	SUELO EST3	5.882	117.62	119359.9
	D FIRME	7.632	137.79	95533.6	TERRAPLEN	0.000	0.19	28310.3
	VEGETAL	1.079	27.47	45691.5				
117300.000	FIRME	9.223	183.47	179174.5	D TIERRA	18.618	349.79	134791.4
	S SEL2	5.855	116.68	91643.1	SUELO EST3	5.944	118.26	119478.1
	D FIRME	7.343	149.76	95683.3	TERRAPLEN	0.015	0.15	28310.4
	VEGETAL	1.224	23.03	45714.5				
117320.000	FIRME	9.064	182.87	179357.4	D TIERRA	20.557	391.76	135183.2
	S SEL2	5.761	116.16	91759.2	SUELO EST3	5.849	117.92	119596.0
	D FIRME	7.241	145.85	95829.2	TERRAPLEN	0.016	0.31	28310.7
	VEGETAL	1.209	24.33	45738.8				
117340.000	FIRME	9.050	181.14	179538.5	D TIERRA	22.538	430.95	135614.1
	S SEL2	5.753	115.14	91874.4	SUELO EST3	5.840	116.88	119712.9
	D FIRME	7.209	144.50	95973.7	TERRAPLEN	0.016	0.32	28311.0
	VEGETAL	1.224	24.33	45763.2				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 116

PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
117360.000	FIRME	9.177	182.27	179720.8	D TIERRA	33.607	561.44	136175.6
	S ADECUADO	8.585	85.85	2114.0	S SEL2	5.831	115.84	91990.2
	SUELO EST3	5.918	117.57	119830.5	D FIRME	7.208	144.17	96117.9
	TERRAPLEN	0.021	0.37	28311.4	VEGETAL	1.343	25.66	45788.8
117380.000	FIRME	9.318	184.95	179905.7	D TIERRA	30.894	645.01	136820.6
	S ADECUADO	8.671	172.55	2286.6	S SEL2	5.889	117.19	92107.4
	SUELO EST3	5.975	118.93	119949.4	D FIRME	7.078	142.86	96260.7
	TERRAPLEN	0.001	0.22	28311.6	VEGETAL	1.314	26.56	45815.4

117400.000	FIRME	9.035	183.53	180089.3	D TIERRA	29.492	603.86	137424.4
	S ADECUADO	8.398	170.69	2457.2	S SEL2	5.707	115.95	92223.4
	SUELO EST3	5.794	117.69	120067.1	D FIRME	7.087	141.65	96402.4
	TERRAPLEN	0.015	0.16	28311.8	VEGETAL	1.179	24.93	45840.3
117420.000	FIRME	9.181	182.16	180271.4	D TIERRA	32.719	622.11	138046.6
	S ADECUADO	8.561	169.59	2626.8	S SEL2	5.815	115.22	92338.6
	SUELO EST3	5.902	116.96	120184.1	D FIRME	7.138	142.25	96544.6
	TERRAPLEN	0.014	0.28	28312.1	VEGETAL	1.229	24.08	45864.4
117440.000	FIRME	9.218	183.98	180455.4	D TIERRA	34.471	671.89	138718.4
	S ADECUADO	8.618	171.79	2798.6	S SEL2	5.853	116.69	92455.3
	SUELO EST3	5.940	118.42	120302.5	D FIRME	7.217	143.55	96688.2
	TERRAPLEN	0.014	0.28	28312.3	VEGETAL	1.217	24.46	45888.9
117460.000	FIRME	9.384	186.02	180641.4	D TIERRA	35.795	702.65	139421.1
	S ADECUADO	8.791	174.09	2972.7	S SEL2	5.969	118.22	92573.5
	SUELO EST3	6.056	119.96	120422.4	D FIRME	7.242	144.58	96832.8
	TERRAPLEN	0.014	0.28	28312.6	VEGETAL	1.281	24.98	45913.8
117480.000	FIRME	10.916	202.99	180844.4	D TIERRA	40.887	766.82	140187.9
	S ADECUADO	9.871	186.62	3159.3	S SEL2	6.799	127.01	92701.2
	SUELO EST3	6.970	130.26	120552.7	D FIRME	7.281	145.23	96978.0
	TERRAPLEN	0.014	0.29	28312.9	VEGETAL	2.067	33.49	45947.3
117500.000	FIRME	11.587	225.03	181069.5	D TIERRA	45.243	861.29	141049.2
	S ADECUADO	10.416	202.88	3362.2	S SEL2	7.161	139.60	92840.8
	SUELO EST3	7.334	143.04	120695.7	D FIRME	7.276	145.57	97123.6
	TERRAPLEN	0.020	0.35	28313.3	VEGETAL	2.474	45.42	45992.7
117520.000	FIRME	11.820	234.07	181303.5	D TIERRA	47.658	929.01	141978.2
	S ADECUADO	10.652	210.68	3572.9	S SEL2	7.315	144.76	92985.5
	SUELO EST3	7.489	148.23	120844.0	D FIRME	7.340	146.16	97269.7
	TERRAPLEN	0.020	0.40	28313.7	VEGETAL	2.549	50.23	46043.0

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 117

PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
117540.000	FIRME	12.044		238.64		181542.2		D TIERRA	51.562		992.20		142970.4	
	S ADECUADO	10.876		215.28		3788.2		S SEL2	7.463		147.78		93133.3	
	SUELO EST3	7.639		151.28		120995.3		D FIRME	7.314		146.54		97416.3	
	TERRAPLEN	0.020		0.40		28314.1		VEGETAL	2.682		52.31		46095.3	
117560.000	FIRME	12.046		240.90		181783.1		D TIERRA	50.009		1015.71		143986.1	
	S ADECUADO	10.875		217.51		4005.7		S SEL2	7.463		149.26		93282.6	
	SUELO EST3	7.637		152.76		121148.0		D FIRME	7.326		146.40		97562.7	
	TERRAPLEN	0.019		0.39		28314.5		VEGETAL	2.620		53.02		46148.3	
117580.000	FIRME	12.043		240.89		182024.0		D TIERRA	47.139		971.48		144957.6	
	S ADECUADO	10.872		217.48		4223.2		S SEL2	7.466		149.30		93431.9	
	SUELO EST3	7.637		152.75		121300.8		D FIRME	7.267		145.93		97708.6	
	TERRAPLEN	0.019		0.38		28314.8		VEGETAL	2.646		52.67		46201.0	
117600.000	FIRME	12.044		240.87		182264.8		D TIERRA	43.154		902.93		145860.5	
	S ADECUADO	10.874		217.47		4440.6		S SEL2	7.465		149.31		93581.2	
	SUELO EST3	7.638		152.76		121453.5		D FIRME	7.153		144.20		97852.8	
	TERRAPLEN	0.019		0.38		28315.2		VEGETAL	2.686		53.33		46254.3	
117620.000	FIRME	11.883		239.27		182504.1		D TIERRA	28.131		712.85		146573.4	
	S ADECUADO	0.000		108.74		4549.4		S SEL2	7.393		148.58		93729.7	
	SUELO EST3	7.565		152.03		121605.6		D FIRME	7.120		142.73		97995.5	
	TERRAPLEN	0.000		0.19		28315.4		VEGETAL	2.527		52.13		46306.4	
117640.000	FIRME	11.578		234.62		182738.7		D TIERRA	25.501		536.32		147109.7	
	S SEL2	7.243		146.36		93876.1		SUELO EST3	7.416		149.81		121755.4	
	D FIRME	7.131		142.50		98138.0		VEGETAL	2.403		49.30		46355.7	
	FIRME	11.355		229.33		182968.0		D TIERRA	22.498		479.99		147589.7	
117660.000	S SEL2	7.110		143.53		94019.6		SUELO EST3	7.280		146.97		121902.3	
	D FIRME	7.058		141.89		98279.9		TERRAPLEN	0.016		0.16		28315.6	
	EXCAVA SANO	0.054		0.54		48208.7		TERRAP SANO	0.054		0.54		49450.5	
	VEGETAL	2.331		47.34		46403.1								
117680.000	FIRME	10.884		222.39		183190.4		D TIERRA	19.476		419.75		148009.4	
	S SEL2	6.757		138.67		94158.3		SUELO EST3	6.928		142.09		122044.4	
	D FIRME	7.042		141.01		98420.9		TERRAPLEN	0.000		0.16		28315.7	
	EXCAVA SANO	0.000		0.54		48209.3		TERRAP SANO	0.000		0.54		49451.0	
117700.000	VEGETAL	2.087		44.18		46447.2								
	FIRME	10.085		209.69		183400.1		D TIERRA	16.226		357.03		148366.5	
	S SEL2	6.236		129.93		94288.2		SUELO EST3	6.410		133.38		122177.8	
	D FIRME	7.103		141.45		98562.4		TERRAPLEN	0.017		0.17		28315.9	
	EXCAVA SANO	0.056		0.56		48209.8		TERRAP SANO	0.056		0.56		49451.6	
	VEGETAL	1.753		38.40		46485.6								

117780.000	FIRME	9.906	197.95	184076.4	D TIERRA	17.454	321.21	149365.3
	S SEL2	6.115	120.17	94690.8	SUELO EST3	6.288	123.63	122592.5
	D FIRME	5.794	128.55	99047.2	TERRAPLEN	0.004	0.24	28316.9
	EXCAVA SANE0	1.422	14.22	48225.8	TERRAP SANE0	1.422	14.22	49467.6
	VEGETAL	2.424	43.68	46604.0				
117800.000	FIRME	9.902	198.08	184274.5	D TIERRA	20.680	381.34	149746.6
	S SEL2	6.112	122.27	94813.1	SUELO EST3	6.285	125.73	122718.2
	D FIRME	4.229	100.23	99147.4	TERRAPLEN	0.205	2.09	28319.0
	EXCAVA SANE0	1.781	32.03	48257.9	TERRAP SANE0	1.781	32.03	49499.6
	VEGETAL	2.961	53.86	46657.8				
117820.000	FIRME	9.917	198.19	184472.6	D TIERRA	24.033	447.13	150193.8
	S SEL2	6.121	122.33	94935.4	SUELO EST3	6.292	125.77	122844.0
	D FIRME	2.605	68.33	99215.8	TERRAPLEN	0.138	3.44	28322.4
	EXCAVA SANE0	1.513	32.93	48290.8	TERRAP SANE0	1.513	32.93	49532.6
	VEGETAL	3.738	66.99	46724.8				
117840.000	FIRME	9.865	197.82	184670.5	D TIERRA	32.262	562.95	150756.7
	S SEL2	6.095	122.16	95057.5	SUELO EST3	6.268	125.60	122969.6
	D FIRME	0.000	26.05	99241.8	TERRAPLEN	0.136	2.74	28325.1
	EXCAVA SANE0	1.731	32.44	48323.2	TERRAP SANE0	1.731	32.44	49565.0
	VEGETAL	5.141	88.79	46813.6				
117860.000	FIRME	9.911	197.77	184868.2	D TIERRA	43.155	754.17	151510.9
	S SEL2	6.413	125.08	95182.6	SUELO EST3	6.498	127.66	123097.3
	TERRAPLEN	0.045	1.80	28326.9	EXCAVA SANE0	0.000	17.31	48340.5
	TERRAP SANE0	0.000	17.31	49582.3	VEGETAL	5.213	103.54	46917.2

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 119

PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ca}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117880.000	FIRME	9.920	198.31	185066.5	D TIERRA	54.744	978.99	152489.9
	S SEL2	6.434	128.47	95311.1	SUELO EST3	6.521	130.19	123227.4
	TERRAPLEN	0.020	0.65	28327.6	VEGETAL	5.264	104.77	47021.9
	FIRME	9.917	198.37	185264.9	D TIERRA	64.542	1192.86	153682.7
	S SEL2	6.437	128.71	95439.8	SUELO EST3	6.523	130.44	123357.9
117900.000	TERRAPLEN	0.020	0.41	28328.0	VEGETAL	5.269	105.34	47127.3
	FIRME	9.916	198.33	185463.2	D TIERRA	70.874	1354.16	155036.9
	S SEL2	6.364	128.01	95567.8	SUELO EST3	6.518	130.41	123488.3
	TERRAPLEN	0.020	0.41	28328.4	VEGETAL	5.254	105.23	47232.5
	FIRME	9.917	198.33	185661.6	D TIERRA	79.111	1499.85	156536.7
117940.000	S SEL2	6.421	127.85	95695.7	SUELO EST3	6.524	130.42	123618.7
	TERRAPLEN	0.020	0.41	28328.8	VEGETAL	5.245	104.99	47337.5
	FIRME	9.854	197.71	185859.3	D TIERRA	88.207	1673.17	158209.9
	S SEL2	6.119	125.39	95821.1	SUELO EST3	6.292	128.16	123746.9
	TERRAPLEN	0.020	0.41	28329.2	VEGETAL	5.158	104.04	47441.5
117980.000	FIRME	9.909	197.63	186056.9	D TIERRA	94.212	1824.18	160034.1
	S SEL2	6.340	124.59	95945.6	SUELO EST3	6.425	127.17	123874.0
	TERRAPLEN	0.020	0.41	28329.6	VEGETAL	5.177	103.36	47544.9
	FIRME	9.890	197.99	186254.9	D TIERRA	110.663	2048.75	162082.8
	S SEL2	6.328	126.68	96072.3	SUELO EST3	6.414	128.40	124002.4
118020.000	TERRAPLEN	0.030	0.50	28330.1	VEGETAL	5.679	108.56	47653.5
	FIRME	9.891	197.81	186452.7	D TIERRA	103.715	2143.78	164226.6
	S SEL2	6.329	126.56	96198.9	SUELO EST3	6.414	128.28	124130.7
	TERRAPLEN	0.034	0.64	28330.8	VEGETAL	5.134	108.13	47761.6
	FIRME	9.890	197.81	186650.5	D TIERRA	94.650	1983.66	166210.3
118040.000	S SEL2	6.328	126.56	96325.5	SUELO EST3	6.414	128.28	124259.0
	TERRAPLEN	0.031	0.64	28331.4	VEGETAL	5.481	106.15	47867.7
	FIRME	9.890	197.80	186848.3	D TIERRA	93.646	1882.96	168093.3
	S SEL2	6.328	126.55	96452.0	SUELO EST3	6.415	128.29	124387.3
	TERRAPLEN	0.031	0.62	28332.0	VEGETAL	5.479	109.60	47977.3
118080.000	FIRME	9.890	197.80	187046.1	D TIERRA	100.057	1937.03	170030.3
	S SEL2	6.328	126.56	96578.6	SUELO EST3	6.413	128.27	124515.6
	TERRAPLEN	0.023	0.54	28332.6	VEGETAL	5.502	109.81	48087.2
	FIRME	9.890	197.80	187243.9	D TIERRA	94.530	1945.88	171976.2
	S SEL2	6.328	126.56	96705.1	SUELO EST3	6.415	128.27	124643.8
118100.000	TERRAPLEN	0.066	0.90	28333.5	VEGETAL	5.591	110.93	48198.1

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 120

PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ca}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118120.000	FIRME	9.891	197.81	187441.7	D TIERRA	106.125	2006.56	173982.7
	S SEL2	6.329	126.57	96831.7	SUELO EST3	6.414	128.29	124772.1
	TERRAPLEN	0.034	1.01	28334.5	VEGETAL	5.776	113.67	48311.8
	FIRME	8.427	183.18	187624.9	D TIERRA	77.747	1838.72	175821.4
	S SEL2	5.354	116.83	96948.5	SUELO EST3	5.441	118.55	124890.7
118140.000	TERRAPLEN	0.000	0.34	28334.8	VEGETAL	3.851	96.27	48408.0
	MUROS	2.644	26.44	26.4				
	FIRME	8.428	168.55	187793.5	D TIERRA	93.407	1711.54	177533.0
	S SEL2	5.355	107.09	97055.6	SUELO EST3	5.441	108.82	124999.5
	VEGETAL	3.851	77.02	48485.1	MUROS	3.279	59.23	85.7
118180.000	FIRME	8.431	168.59	187962.1	D TIERRA	90.403	1838.10	179371.1
	S SEL2	5.357	107.12	97162.7	SUELO EST3	5.443	108.85	125108.3
	VEGETAL	3.853	77.03	48562.1	MUROS	2.183	54.61	140.3
	FIRME	8.436	168.67	188130.7	D TIERRA	94.514	1849.17	181220.3
	S SEL2	5.359	107.17	97269.9	SUELO EST3	5.445	108.89	125217.2
118200.000	VEGETAL	3.855	77.07	48639.2	MUROS	0.685	28.68	169.0
	FIRME	9.903	183.38	188314.1	D TIERRA	268.643	3631.57	184851.8
	S SEL2	6.337	116.96	97386.9	SUELO EST3	6.424	118.69	125335.9
	TERRAPLEN	0.025	0.25	28335.1	VEGETAL	8.538	123.93	48763.1
	MUROS	0.000	6.85	175.8				

118240.000	FIRME	9.908	198.11	188512.2	D TIERRA	492.055	7606.98	192458.8
	S SEL2	6.341	126.78	97513.6	SUELO EST3	6.425	128.48	125464.4
	TERRAPLEN	0.030	0.55	28335.6	VEGETAL	9.457	179.95	48943.0
	FIRME	9.912	198.20	188710.4	D TIERRA	571.336	10633.91	203092.7
	S SEL2	6.343	126.84	97640.5	SUELO EST3	6.428	128.53	125592.9
118260.000	TERRAPLEN	0.031	0.61	28336.2	VEGETAL	9.601	190.58	49133.6
	FIRME	9.916	198.28	188908.7	D TIERRA	590.323	11616.59	214709.3
	S SEL2	6.346	126.89	97767.4	SUELO EST3	6.432	128.61	125721.5
	TERRAPLEN	0.030	0.61	28336.8	VEGETAL	9.686	192.87	49326.5
	FIRME	9.921	198.38	189107.1	D TIERRA	574.414	11647.38	226356.7
118280.000	S SEL2	6.348	126.94	97894.3	SUELO EST3	6.435	128.67	125850.2
	TERRAPLEN	0.030	0.60	28337.4	VEGETAL	9.535	192.21	49518.7
	FIRME	9.927	198.48	189305.6	D TIERRA	576.277	11506.91	237863.6
	S SEL2	6.352	127.00	98021.3	SUELO EST3	6.439	128.74	125979.0
	TERRAPLEN	0.031	0.61	28338.1	VEGETAL	9.618	191.53	49710.2
118300.000	FIRME	9.932	198.58	189504.1	D TIERRA	572.796	11490.72	249354.3
	S SEL2	6.355	127.07	98148.4	SUELO EST3	6.441	128.80	126107.8
	TERRAPLEN	0.030	0.61	28338.7	VEGETAL	9.648	192.66	49902.9

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 121

PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ca}s-Cigales Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118360.000	FIRME	9.937	198.68	189702.8	D TIERRA	551.726	11245.22	260599.5
	S SEL2	6.356	127.10	98275.5	SUELO EST3	6.445	128.87	126236.6
	TERRAPLEN	0.032	0.62	28339.3	VEGETAL	9.538	191.87	50094.8
118380.000	FIRME	9.942	198.79	189901.6	D TIERRA	427.005	9787.31	270386.8
	S SEL2	6.361	127.17	98402.6	SUELO EST3	6.448	128.94	126365.6
	TERRAPLEN	0.030	0.62	28339.9	VEGETAL	9.129	186.68	50281.4
118400.000	FIRME	9.950	198.92	190100.5	D TIERRA	190.000	6170.06	276556.9
	S SEL2	6.366	127.27	98529.9	SUELO EST3	6.452	129.01	126494.6
	TERRAPLEN	0.044	0.74	28340.6	VEGETAL	7.243	163.72	50445.2
118420.000	FIRME	9.879	198.28	190298.8	D TIERRA	19.182	2091.82	278648.7
	S SEL2	6.391	127.57	98657.5	SUELO EST3	6.478	129.30	126623.9
	TERRAPLEN	16.143	161.87	28502.5	VEGETAL	4.952	121.95	50567.1
118440.000	FIRME	8.773	186.52	190485.3	D TIERRA	0.000	191.82	278840.5
	S SEL2	6.161	125.52	98783.0	SUELO EST3	6.017	124.95	126748.8
	TERRAPLEN	71.863	880.06	29382.6	VEGETAL	4.929	98.81	50665.9
118460.000	FIRME	8.589	173.62	190659.0	S SEL2	5.976	121.36	98904.4
	SUELO EST3	5.832	118.49	126867.3	TERRAPLEN	126.066	1979.29	31361.9
	VEGETAL	5.376	103.04	50769.0				
118480.000	FIRME	8.596	171.85	190830.8	S SEL2	5.981	119.57	99023.9
	SUELO EST3	5.837	116.69	126984.0	TERRAPLEN	145.952	2720.18	34082.0
	VEGETAL	5.682	110.57	50879.5				
118500.000	FIRME	8.496	170.92	191001.7	S SEL2	5.898	118.80	99142.7
	SUELO EST3	5.753	115.90	127099.9	TERRAPLEN	159.752	3057.03	37139.1
	VEGETAL	5.810	114.92	50994.4				
118520.000	FIRME	8.406	169.02	191170.7	S SEL2	5.827	117.26	99260.0
	SUELO EST3	5.684	114.37	127214.3	TERRAPLEN	173.658	3334.10	40473.2
	VEGETAL	5.935	117.46	51111.9				
118540.000	FIRME	8.352	167.58	191338.3	S SEL2	5.789	116.16	99376.1
	SUELO EST3	5.644	113.28	127327.5	TERRAPLEN	210.780	3844.38	44317.5
	VEGETAL	6.087	120.22	51232.1				
118560.000	FIRME	8.476	168.29	191506.6	S SEL2	5.881	116.70	99492.8
	SUELO EST3	5.737	113.81	127441.4	TERRAPLEN	169.281	3800.61	48118.2
	VEGETAL	6.030	121.17	51353.3				
118580.000	FIRME	8.333	168.09	191674.7	S SEL2	5.774	116.55	99609.4
	SUELO EST3	5.630	113.67	127555.0	TERRAPLEN	165.568	3348.49	51466.7
	VEGETAL	6.163	121.93	51475.2				

118760.000	D FIRME	2.473	42.35	99324.6	TERRAPLEN	58.474	1283.86	70775.6
	VEGETAL	4.805	100.34	52428.7				
	FIRME	10.884	200.69	193262.1	D TIERRA	7.158	139.67	279322.3
	S SEL2	7.331	135.62	100704.1	SUELO EST3	7.231	134.07	128628.4
	D FIRME	3.243	57.16	99381.7	TERRAPLEN	68.436	1269.11	72044.7
	VEGETAL	5.287	100.91	52529.6				
118780.000	FIRME	10.885	217.70	193479.8	D TIERRA	8.024	151.82	279474.1
	S SEL2	7.320	146.52	100850.6	SUELO EST3	7.231	144.63	128773.0
	D FIRME	3.676	69.20	99450.9	TERRAPLEN	52.953	1213.89	73258.6
	VEGETAL	4.828	101.15	52630.8				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 123
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	PARCIAL	VOL.
118800.000	FIRME	10.885	217.70	193697.5	D TIERRA	8.834	168.58	279642.7
	S SEL2	7.331	146.51	100997.1	SUELO EST3	7.231	144.62	128917.6
	D FIRME	4.096	77.72	99528.6	TERRAPLEN	36.909	898.62	74157.2
	VEGETAL	4.403	92.31	52723.1				
118820.000	FIRME	10.885	217.69	193915.2	D TIERRA	9.318	181.52	279824.2
	S SEL2	7.335	146.65	101143.8	SUELO EST3	7.232	144.62	129062.2
	D FIRME	4.538	86.34	99615.0	TERRAPLEN	20.557	574.67	74731.9
	VEGETAL	3.851	82.53	52805.6				
118840.000	FIRME	10.886	217.71	194132.9	D TIERRA	9.216	185.34	280009.6
	S SEL2	7.325	146.60	101290.4	SUELO EST3	7.229	144.60	129206.8
	D FIRME	4.969	95.08	99710.1	TERRAPLEN	3.970	245.27	74977.2
	VEGETAL	3.264	71.14	52876.7				
118860.000	FIRME	10.887	217.73	194350.6	D TIERRA	13.734	229.50	280239.1
	S SEL2	6.852	141.77	101432.1	SUELO EST3	6.984	142.13	129349.0
	D FIRME	5.293	102.62	99812.7	TERRAPLEN	0.022	39.92	75017.1
	VEGETAL	2.855	61.19	52937.9				
118880.000	FIRME	11.325	222.12	194572.7	D TIERRA	16.924	306.59	280545.7
	S SEL2	6.676	135.29	101567.4	SUELO EST3	6.849	138.33	129487.3
	D FIRME	5.347	106.40	99919.1	TERRAPLEN	0.019	0.41	75017.5
	VEGETAL	2.963	58.19	52996.1				
118900.000	FIRME	11.900	232.26	194805.0	D TIERRA	20.990	379.14	280924.8
	S SEL2	7.396	140.72	101708.1	SUELO EST3	7.569	144.18	129631.5
	D FIRME	5.343	106.90	100026.0	TERRAPLEN	0.022	0.41	75017.9
	VEGETAL	3.227	61.90	53058.0				
118920.000	FIRME	10.432	223.33	195028.3	D TIERRA	14.483	354.73	281279.5
	S SEL2	6.611	140.07	101848.2	SUELO EST3	6.783	143.52	129775.0
	D FIRME	5.339	106.82	100132.8	TERRAPLEN	0.018	0.40	75018.3
	VEGETAL	2.550	57.78	53115.8				
118940.000	FIRME	11.593	220.26	195248.6	D TIERRA	17.763	322.47	281602.0
	S SEL2	7.233	138.44	101986.7	SUELO EST3	7.404	141.88	129916.9
	D FIRME	5.347	106.86	100239.7	TERRAPLEN	0.099	1.17	75019.5
	VEGETAL	3.099	56.50	53172.3				
118960.000	FIRME	11.442	230.35	195478.9	D TIERRA	20.861	386.24	281988.2
	S SEL2	7.137	143.71	102130.4	SUELO EST3	7.310	147.15	130064.0
	D FIRME	5.333	106.80	100346.5	TERRAPLEN	0.122	2.21	75021.7
	VEGETAL	3.120	62.19	53234.5				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 124
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	PARCIAL	VOL.
118980.000	FIRME	11.361	228.03	195706.9	D TIERRA	25.503	463.63	282451.9
	S SEL2	7.083	142.20	102272.6	SUELO EST3	7.255	145.66	130209.7
	D FIRME	5.345	106.79	100453.2	TERRAPLEN	0.037	1.59	75023.3
	VEGETAL	3.193	63.13	53297.6				
119000.000	FIRME	11.111	224.72	195931.7	D TIERRA	26.557	520.59	282972.5
	S SEL2	6.914	139.97	102412.5	SUELO EST3	7.087	143.42	130353.1
	D FIRME	5.381	107.26	100560.5	TERRAPLEN	0.037	0.74	75024.0
	VEGETAL	3.171	63.64	53361.2				
119020.000	FIRME	10.445	215.56	196147.2	D TIERRA	21.909	484.66	283457.1
	S SEL2	6.463	133.77	102546.3	SUELO EST3	6.637	137.24	130490.3
	D FIRME	5.382	107.63	100668.1	TERRAPLEN	0.020	0.57	75024.6
	VEGETAL	2.706	58.77	53420.0				
119040.000	FIRME	10.562	210.08	196357.3	D TIERRA	18.541	404.51	283861.6
	S SEL2	6.667	131.31	102677.6	SUELO EST3	6.816	134.53	130624.9
	D FIRME	5.357	107.40	100775.5	TERRAPLEN	0.020	0.40	75025.0
	VEGETAL	2.722	54.28	53474.3				
119060.000	FIRME	9.819	203.81	196561.1	D TIERRA	13.472	320.13	284181.8
	S SEL2	5.980	126.47	102804.1	SUELO EST3	6.153	129.69	130754.5
	D FIRME	5.321	106.78	100882.3	TERRAPLEN	0.037	0.57	75025.6
	VEGETAL	2.327	50.49	53524.8				
119080.000	FIRME	8.936	187.54	196748.7	D TIERRA	10.695	241.66	284423.4
	S SEL2	6.043	120.23	102924.3	SUELO EST3	6.083	122.36	130876.9
	D FIRME	5.287	106.08	100988.4	TERRAPLEN	0.022	0.59	75026.1
	VEGETAL	1.965	42.92	53567.7				
119100.000	FIRME	8.701	176.37	196925.0	D TIERRA	10.197	208.92	284632.3
	S SEL2	6.055	120.98	103045.3	SUELO EST3	5.941	120.24	130997.1
	D FIRME	5.218	105.05	101093.4	TERRAPLEN	0.527	5.49	75031.6
	VEGETAL	1.969	39.34	53607.0				
119120.000	FIRME	8.575	172.76	197097.8	D TIERRA	8.809	190.06	284822.4
	S SEL2	5.999	120.54	103165.8	SUELO EST3	5.862	118.03	131115.2
	D FIRME	5.217	104.35	101197.8	TERRAPLEN	1.407	19.35	75051.0
	VEGETAL	1.988	39.57	53466.6				
119140.000	FIRME	8.566	171.41	197269.2	D TIERRA	7.345	161.54	284983.9
	S SEL2	5.939	119.38	103285.2	SUELO EST3	5.850	117.12	131232.3

D FIRME 5.088 103.06 101300.9 TERRAPLEN 2.297 37.05 75088.0
VEGETAL 2.096 40.84 53687.5
Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 125
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	PARCIAL	VOL.
119160.000	FIRME	7.469	160.35	197429.5	D TIERRA	5.161	125.06	285109.0
	S SEL2	4.732	106.71	103391.9	SUELO EST3	4.590	104.40	131336.7
	D FIRME	3.143	82.31	101383.2	TERRAPLEN	4.563	68.61	75156.6
	VEGETAL	2.263	43.59	53731.0				
119180.000	FIRME	8.564	160.32	197589.9	D TIERRA	7.177	123.38	285232.4
	S SEL2	5.993	107.25	103499.2	SUELO EST3	5.849	104.39	131441.1
	D FIRME	5.148	82.91	101466.1	TERRAPLEN	7.376	119.39	75276.0
	VEGETAL	2.400	46.63	53777.7				
119197.092	FIRME	7.194	134.66	197724.5	D TIERRA	5.145	105.31	285337.7
	S SEL2	4.468	89.40	103588.6	SUELO EST3	4.413	87.69	131528.8
	D FIRME	3.509	73.98	101540.1	TERRAPLEN	3.602	93.82	75369.9
	VEGETAL	2.018	37.75	53815.4				

Istram 18.05.05.29 17/07/18 18:00:31 459 pagina 126
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *								
MATERIAL			VOLUMEN					
FIRME			197724.5					
D TIERRA			285337.7					
S ADECUADO			4549.4					
S SEL2			103588.6					
SUELO EST3			131528.8					
D FIRME			101540.1					
TERRAPLEN			75369.9					
EXCAVA SANE0			48340.6					
TERRAP SANE0			49582.3					
VEGETAL			53815.4					
MUROS			175.8					

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 1
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	PARCIAL	VOL.
97500.000	FIRME	8.975	0.00	0.0	D TIERRA	0.414	0.00	0.0
	S SEL2	6.245	0.00	0.0	SUELO EST3	6.300	0.00	0.0
	D FIRME	2.908	0.00	0.0	TERRAPLEN	1.855	0.00	0.0
	VEGETAL	2.640	0.00	0.0				
97520.000	FIRME	8.977	179.51	179.5	D TIERRA	0.459	8.74	8.7
	S SEL2	6.233	124.77	124.8	SUELO EST3	6.303	126.03	126.0
	D FIRME	2.596	55.03	55.0	TERRAPLEN	1.841	36.96	37.0
	VEGETAL	2.616	52.57	52.6				
97540.000	FIRME	8.980	179.57	359.1	D TIERRA	0.420	8.79	17.5
	S SEL2	6.254	124.86	249.6	SUELO EST3	6.313	126.15	252.2
	D FIRME	2.492	50.88	105.9	TERRAPLEN	1.932	37.74	74.7
	VEGETAL	2.635	52.52	105.1				
97560.000	FIRME	8.982	179.62	538.7	D TIERRA	0.216	6.35	23.9
	S SEL2	6.284	125.37	375.0	SUELO EST3	6.329	126.42	378.6
	D FIRME	2.577	50.70	156.6	TERRAPLEN	1.903	38.35	113.1
	VEGETAL	2.650	52.86	157.9				
97580.000	FIRME	8.985	179.67	718.4	D TIERRA	0.171	3.87	27.8
	S SEL2	6.299	125.83	500.8	SUELO EST3	6.337	126.66	505.3</

97700.000	S SEL2	6.433	128.65	1138.6	SUELO EST3	6.382	127.56	1141.6	98060.000	FIRME	9.589	189.45	5056.7	D TIERRA	0.360	6.86	57.9
	D FIRME	2.245	45.52	468.5	TERRAPLEN	3.384	60.38	384.5		S SEL2	6.765	133.89	3607.8	SUELO EST3	6.824	134.98	3594.9
	VEGETAL	2.734	54.82	481.1						D FIRME	1.649	35.17	1149.8	TERRAPLEN	1.461	27.43	1428.7
	FIRME	8.998	179.94	1797.3	D TIERRA	0.041	0.61	35.2		VEGETAL	3.041	59.66	1532.9				
97720.000	S SEL2	6.420	128.53	1267.1	SUELO EST3	6.388	127.70	1269.3	98080.000	FIRME	9.823	194.12	5250.9	D TIERRA	0.519	8.79	66.7
	D FIRME	2.409	46.54	515.1	TERRAPLEN	3.125	65.09	449.6		S SEL2	6.875	136.41	3744.2	SUELO EST3	6.951	137.75	3732.6
	VEGETAL	2.722	54.56	535.6						D FIRME	1.662	33.11	1182.9	TERRAPLEN	1.584	30.46	1459.1
	FIRME	9.000	179.99	1977.3	D TIERRA	0.002	0.43	35.6		VEGETAL	3.139	61.80	1594.7				
97740.000	S SEL2	6.464	128.85	1396.0	SUELO EST3	6.391	127.79	1397.1	98100.000	FIRME	10.056	198.80	5449.6	D TIERRA	0.721	12.40	79.0
	D FIRME	2.130	45.39	560.5	TERRAPLEN	3.331	64.56	514.2		S SEL2	6.999	138.75	3883.0	SUELO EST3	7.082	140.33	3872.9
	VEGETAL	2.752	54.74	590.4						D FIRME	2.012	36.74	1219.7	TERRAPLEN	1.320	29.04	1488.2
	FIRME	9.002	180.03	2157.3	D TIERRA	0.000	0.02	35.6		VEGETAL	3.253	63.93	1658.7				
97760.000	S SEL2	6.480	129.44	1525.4	SUELO EST3	6.398	127.89	1525.0	98120.000	FIRME	10.289	203.46	5653.1	D TIERRA	0.916	16.37	95.4
	D FIRME	1.625	37.55	598.0	TERRAPLEN	3.479	68.11	582.3		S SEL2	7.149	141.49	4024.5	SUELO EST3	7.234	143.16	4016.1
	VEGETAL	2.772	55.24	645.6						D FIRME	2.523	45.35	1265.0	TERRAPLEN	1.028	23.48	1511.7
	FIRME	9.004	180.07	2337.4	S SEL2	6.492	129.72	1655.2		VEGETAL	3.390	66.44	1725.1				
97780.000	SUELO EST3	6.404	128.02	1653.0	D FIRME	1.485	31.09	629.1	98140.000	FIRME	10.522	208.11	5861.2	D TIERRA	1.507	24.23	119.6
	TERRAPLEN	3.143	66.23	648.5	VEGETAL	2.772	55.43	701.0		S SEL2	7.270	144.19	4168.7	SUELO EST3	7.365	145.99	4162.1
	FIRME	9.006	180.10	2517.5	S SEL2	6.495	129.88	1785.0		D FIRME	3.151	56.74	1321.8	TERRAPLEN	0.836	18.64	1530.3
	SUELO EST3	6.410	128.14	1781.1	D FIRME	1.560	30.45	659.5		VEGETAL	3.492	68.83	1793.9				
97800.000	TERRAPLEN	3.190	63.33	711.9	EXCAVA SANE0	5.283	52.83	52.8	98160.000	FIRME	10.596	211.18	6072.4	D TIERRA	2.081	35.88	155.5
	TERRAP SANE0	5.283	52.83	52.9	VEGETAL	2.736	55.08	756.1		S SEL2	7.302	145.72	4314.4	SUELO EST3	7.388	147.54	4309.6
	FIRME	9.009	180.15	2697.7	S SEL2	6.506	130.02	1915.0		D FIRME	3.865	70.16	1391.9	TERRAPLEN	0.664	15.00	1545.3
	SUELO EST3	6.416	128.26	1909.4	D FIRME	1.532	30.92	690.5		VEGETAL	3.538	70.30	1864.2				
97820.000	TERRAPLEN	3.192	63.82	775.7	EXCAVA SANE0	5.305	105.88	158.7	98180.000	FIRME	10.592	211.88	6284.3	D TIERRA	2.671	47.52	203.0
	TERRAP SANE0	5.305	105.88	158.7	VEGETAL	2.746	54.83	811.0		S SEL2	7.281	145.84	4460.2	SUELO EST3	7.368	147.56	4457.2
	FIRME	9.011	180.20	2877.9	S SEL2	6.512	130.18	2045.2		D FIRME	4.592	84.56	1476.5	TERRAPLEN	0.444	11.08	1556.4
	SUELO EST3	6.422	128.38	2037.8	D FIRME	1.258	27.91	718.4		VEGETAL	3.516	70.53	1934.8				
97840.000	TERRAPLEN	3.271	64.63	840.3	EXCAVA SANE0	5.341	106.46	265.2									
	TERRAP SANE0	5.341	106.47	265.2	VEGETAL	2.764	55.11	866.1									
	FIRME	9.011	180.22	3058.1	S SEL2	6.511	130.23	2175.5									
	SUELO EST3	6.429	128.50	2166.3	D FIRME	1.118	23.77	742.1									
	TERRAPLEN	3.084	63.55	903.8	EXCAVA SANE0	5.320	106.61	371.8									
	TERRAP SANE0	5.320	106.62	371.8	VEGETAL	2.753	55.18	921.2									

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 3

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
97860.000	FIRME	9.014	180.26	3238.3	S SEL2	6.527	130.38	2305.8
	SUELO EST3	6.435	128.63	2294.9	D FIRME	0.766	18.84	761.0
	TERRAPLEN	3.213	62.97	966.8	EXCAVA SANE0	5.353	106.74	478.5
	TERRAP SANE0	5.353	106.74	478.6	VEGETAL	2.770	55.23	976.5
97880.000	FIRME	9.016	180.30	3418.6	S SEL2	6.533	130.61	2436.4
	SUELO EST3	6.440	128.75	2423.7	D FIRME	2.091	28.57	789.5
	TERRAPLEN	3.312	65.25	1032.1	EXCAVA SANE0	6.906	122.59	601.1
	TERRAP SANE0	8.467	138.21	616.8	VEGETAL	2.766	55.36	1031.8
97900.000	FIRME	9.017	180.32	3599.0	S SEL2	6.522	130.56	2567.0
	SUELO EST3	6.447	128.87	2552.5	D FIRME	2.649	47.40	836.9
	TERRAPLEN	3.226	65.38	1097.4	EXCAVA SANE0	7.491	143.97	745.1
	TERRAP SANE0	9.653	181.21	798.0	VEGETAL	2.758	55.24	1087.1
97920.000	FIRME	9.019	180.35	3779.3	D TIERRA	0.002	0.02	35.7
	S SEL2	6.500	130.23	2697.2	SUELO EST3	6.453	129.00	2681.5
	D FIRME	2.851	55.00	891.9	TERRAPLEN	3.074	63.00	1160.5
	EXCAVA SANE0	7.713	152.04	897.1	TERRAP SANE0	10.106	197.60	995.6
97940.000	VEGETAL	2.755	55.13	1142.2				
	FIRME	9.020	180.39	3959.7	D TIERRA	0.026	0.28	35.9
	S SEL2	6.479	129.79	2827.0	SUELO EST3	6.458	129.10	2810.6
	D FIRME	2.487	53.37	945.3	TERRAPLEN	2.571	56.45	1216.9
97960.000	EXCAVA SANE0	6.963	146.76	1043.9	TERRAP SANE0	8.633	187.40	1183.0
	VEGETAL	2.750	55.05	1197.2				
	FIRME	9.021	180.41	4140.1	D TIERRA	0.078	1.04	37.0
	S SEL2	6.456	129.36	2956.4	SUELO EST3	6.461	129.19	2939.8
97980.000	D FIRME	1.825	43.12	988.4	TERRAPLEN	2.184	47.55	1264.5
	EXCAVA SANE0	6.102	130.65	1174.5	TERRAP SANE0	6.955	155.88	1338.8
	VEGETAL	2.737	54.87	1252.1				
	FIRME	9.023	180.44	4320.6	D TIERRA	0.073	1.51	38.5
98000.000	S SEL2	6.458	129.14	3085.5	SUELO EST3	6.464	129.26	3069.1
	D FIRME	1.233	30.58	1019.0	TERRAPLEN	1.974	41.59	1306.0
	EXCAVA SANE0	5.233	113.35	1287.9	TERRAP SANE0	5.233	121.88	1460.7
	VEGETAL	2.729	54.67	1306.8				
	FIRME	9.024	180.46	4501.0	D TIERRA	0.168	2.41	40.9
	S SEL2	6.416	128.74	3214.3	SUELO EST3	6.455	129.20	3198.3
	D FIRME	1.502	27.34	1046.4	TERRAPLEN	1.679	36.53	1342.6
	EXCAVA SANE0	5.151	103.83	1391.7	TERRAP SANE0	5.151	103.84	1564.6
	VEGETAL	2.702	54.31	1361.1				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 4

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98020.000	FIRME	9.123	181.46	4682.5	D TIERRA	0.258	4.27	45.2
	S SEL2	6.464	128.80	3343.1	SUELO EST3	6.516	129.72	3328.0
	D FIRME	1.729	32.31	1078.7	TERRAPLEN	1.455	31.33	1373.9
	EXCAVA SANE0	0.000	51.51	1443.2	TERRAP SANE0	0.000	51.51	1616.1
98040.000	VEGETAL	2.796	54.98	1416.1				
	FIRME	9.357	184.79	4867.3	D TIERRA	0.326	5.84	51.0
	S SEL2	6.624	130.87	3473.9	SUELO EST3	6.674	131.90	3459.9
	D FIRME	1.868	35.97	1114.6	TERRAPLEN	1.281	27.36	1401.3
	VEGETAL	2.925	57.21	1473.3				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 5

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

98220.000	FIRME	10.578	211.44	6707.3	D TIERRA	3.601	70.91	335.6
	S SEL2	7.227	144.37	4749.5	SUELO EST3	7.314	146.11	4750.0
	D FIRME	5.304	103.20	1675.7	TERRAPLEN	0.147	4.55	1568.5
	VEGETAL	3.452	69.01	2073.4				
98240.000	FIRME	10.566	211.44	6918.7	D TIERRA	4.305	79.06	414.6
	S SEL2	7.201	144.29	4893.8	SUELO EST3	7.286	145.99	4895.9
	D FIRME	5.342	106.46	1782.2	TERRAPLEN	0.022	1.69	1570.2
	VEGETAL	3.439	68.91	2142.3				
98260.000	FIRME	10.546	211.12	7129.8	D TIERRA	4.358	86.63	501.3
	S SEL2	7.163	143.64	5037.4	SUELO EST3	7.250	145.36	5041.3
	D FIRME	5.236	105.78	1888.0	TERRAPLEN	0.065	0.87	1571.0
	VEGETAL	3.421	68.60	2210.9				
98280.000	FIRME	10.538	210.84	7340.7	D TIERRA	4.058	84.16	585.4
	S SEL2	7.146	143.09	5180.5	SUELO EST3	7.230	144.80	5186.1
	D FIRME	5.086	103.22	1991.2	TERRAPLEN	0.139	2.04	1573.1
	VEGETAL	3.389	68.10	2279.0				
98300.000	FIRME	10.545	210.83	7551.5	D TIERRA	3.796	78.54	663.9
	S SEL2	7.150	142.96	5323.5	SUELO EST3	7.235	144.66	5330.8
	D FIRME	5.124	102.10	2093.3	TERRAPLEN	0.190	3.29	1576.4
	VEGETAL	3.387	67.76	2346.8				
98320.000	FIRME	10.531	210.76	7762.3	D TIERRA	3.918	77.14	741.1
	S SEL2	7.123	142.72	5466.2	SUELO EST3	7.209	144.44	5475.2
	D FIRME	5.162	102.86	2196.2	TERRAPLEN	0.130	3.19	1579.5
	VEGETAL	3.361	67.47	2414.3				
98340.000	FIRME	10.518	210.49	7972.7	D TIERRA	4.100	80.18	821.3
	S SEL2	7.100	142.22	5608.4	SUELO EST3	7.186	143.95	5619.2
	D FIRME	5.247	104.09	2300.3	TERRAPLEN	0.160	2.90	1582.4
	VEGETAL	3.347	67.08	2481.3				
98360.000	FIRME	10.502	210.20	8182.9	D TIERRA	4.389	84.89	906.2
	S SEL2	7.073	141.72	5750.1	SUELO EST3	7.160	143.46	5762.6
	D FIRME	5.342	105.89	2406.1	TERRAPLEN	0.445	6.06	1588.5
	VEGETAL	3.334	66.81	2548.1				

98460.000	FIRME	8.911	178.25	9091.9	D TIERRA	5.552	111.89	1393.7
	S SEL2	5.965	119.38	6361.6	SUELO EST3	6.051	121.10	6382.6
	D FIRME	5.328	106.71	2940.0	TERRAPLEN	0.334	7.19	1630.5
	VEGETAL	2.417	48.34	2801.8				
98480.000	FIRME	8.901	178.12	9270.0	D TIERRA	5.444	109.96	1503.7
	S SEL2	5.943	119.08	6480.6	SUELO EST3	6.030	120.81	6503.4
	D FIRME	5.337	106.65	3046.6	TERRAPLEN	0.590	9.23	1639.7
	VEGETAL	2.395	48.12	2849.9				
98500.000	FIRME	8.883	177.84	9447.8	D TIERRA	5.648	110.91	1614.6
	S SEL2	5.916	118.59	6599.2	SUELO EST3	6.002	120.32	6623.7
	D FIRME	5.337	106.74	3153.3	TERRAPLEN	0.547	11.37	1651.1
	VEGETAL	2.372	47.67	2897.6				
98520.000	FIRME	8.854	177.37	9625.2	D TIERRA	5.959	116.07	1730.7
	S SEL2	5.879	117.95	6717.2	SUELO EST3	5.965	119.67	6743.4
	D FIRME	5.347	106.84	3260.2	TERRAPLEN	0.390	9.37	1660.5
	VEGETAL	2.336	47.08	2944.7				
98540.000	FIRME	8.844	176.98	9802.2	D TIERRA	6.282	122.41	1853.1
	S SEL2	5.864	117.42	6834.6	SUELO EST3	5.950	119.15	6862.5
	D FIRME	5.331	106.78	3367.0	TERRAPLEN	0.265	6.55	1667.0
	VEGETAL	2.331	46.67	2991.3				

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 7
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	

98560.000	FIRME	9.300	181.44	9983.6	D TIERRA	7.779	140.61	1993.7
	S SEL2	6.153	120.16	6954.8	SUELO EST3	6.239	121.89	6984.4
	D FIRME	5.322	106.53	3473.5	TERRAPLEN	0.240	5.05	1672.1
	VEGETAL	2.662	49.94	3041.3				
98580.000	FIRME	9.974	192.74	10176.3	D TIERRA	10.472	182.51	2176.2
	S SEL2	6.536	126.89	7081.6	SUELO EST3	6.622	128.62	7113.0
	D FIRME	5.344	106.66	3580.2	TERRAPLEN	0.175	4.15	1676.2
	VEGETAL	3.038	57.01	3098.3				
98600.000	FIRME	8.898	188.71	10365.1	D TIERRA	6.369	168.41	2344.6
	S SEL2	5.972	125.07	7206.7	SUELO EST3	6.058	126.80	7239.8
	D FIRME	5.367	107.11	3687.3	TERRAPLEN	0.123	2.98	1679.2
	VEGETAL	2.403	54.42	3152.7				
98620.000	FIRME	7.028	159.26	10524.3	D TIERRA	4.721	110.90	2455.5
	S SEL2	4.081	100.53	7307.2	SUELO EST3	4.170	102.27	7342.1
	D FIRME	2.418	77.86	3765.1	TERRAPLEN	0.110	2.33	1681.5
	VEGETAL	2.398	48.02	3200.7				
98640.000	FIRME	6.834	138.61	10662.9	D TIERRA	4.596	93.17	2548.7
	S SEL2	3.860	79.41	7386.6	SUELO EST3	3.949	81.18	7423.3
	D FIRME	2.125	45.44	3810.6	TERRAPLEN	0.065	1.75	1683.3
	VEGETAL	2.371	47.69	3248.4				
98660.000	FIRME	6.717	135.51	10798.4	D TIERRA	5.023	96.19	2644.9
	S SEL2	3.710	75.70	7462.3	SUELO EST3	3.797	77.45	7500.8
	D FIRME	1.927	40.52	3851.1	TERRAPLEN	0.010	0.75	1684.0
	VEGETAL	2.349	47.20	3295.6				
98680.000	FIRME	6.641	133.58	10932.0	D TIERRA	5.301	103.24	2748.1
	S SEL2	3.699	74.09	7536.4	SUELO EST3	3.785	75.82	7576.6
	D FIRME	1.927	38.53	3889.6	TERRAPLEN	0.006	0.15	1684.2
	VEGETAL	2.340	46.89	3342.5				
98700.000	FIRME	7.686	143.27	11075.3	D TIERRA	14.711	200.12	2948.2
	S SEL2	4.069	77.68	7614.1	SUELO EST3	4.243	80.28	7656.9
	D FIRME	1.921	38.48	3928.1	TERRAPLEN	0.070	0.76	1684.9
	VEGETAL	3.568	59.08	3401.6				
98720.000	FIRME	6.253	139.38	11214.7	D TIERRA	6.064	207.75	3156.0
	S SEL2	3.665	77.34	7691.5	SUELO EST3	3.752	79.95	7736.8
	D FIRME	1.928	38.49	3966.6	TERRAPLEN	0.001	0.72	1685.7
	VEGETAL	2.310	58.79	3460.4				

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 8
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	

98740.000	FIRME	5.977	122.29	11337.0	D TIERRA	6.907	129.71	3285.7
	S SEL2	3.461	71.26	7762.7	SUELO EST3	3.635	73.87	7810.7
	D FIRME	1.927	38.56	4005.1	TERRAPLEN	0.002	0.03	1685.7
	VEGETAL	2.252	45.63	3506.0				
98760.000	FIRME	6.215	121.91	11458.9	D TIERRA	7.408	143.15	3428.8
	S SEL2	3.922	73.83	7836.5	SUELO EST3	4.010	76.45	7887.1
	D FIRME	1.972	39.00	4044.1	TERRAPLEN	0.031	0.33	1686.0
	VEGETAL	2.614	48.67	3554.7				
98780.000	FIRME	6.419	126.34	11585.2	D TIERRA	7.599	150.07	3578.9
	S SEL2	3.973	78.95	7915.5	SUELO EST3	4.061	80.71	7967.8
	D FIRME	1.949	39.21	4083.3	TERRAPLEN	0.031	0.62	1686.6
	VEGETAL	2.670	52.84	3607.5				
98800.000	FIRME	7.053	134.72	11719.9	D TIERRA	9.161	167.60	3746.5
	S SEL2	4.311	82.84	7998.3	SUELO EST3	4.399	84.60	8052.4
	D FIRME	1.981	39.30	4122.7	TERRAPLEN	0.059	0.90	1687.5
	VEGETAL	3.185	58.55	3666.1				
98820.000	FIRME	7.471	145.24	11865.2	D TIERRA	11.383	205.44	3952.0
	S SEL2	4.647	89.58	8087.9	SUELO EST3	4.733	91.33	8143.8
	D FIRME	2.513	44.94	4167.6	TERRAPLEN	0.031	0.89	1688.4
	VEGETAL	3.131	63.16	3729.2				
98840.000	FIRME	7.977	154.48	12019.7	D TIERRA	12.824	242.07	4194.0
	S SEL2	5.029	96.76	8184.7	SUELO EST3	5.116	98.49	8242.3
	D FIRME	3.099	56.12	4223.7	TERRAPLEN	0.031	0.61	1689.0
	VEGETAL	3.089	62.20	3791.4				

98860.000	FIRME	8.054	160.31	12180.0	D TIERRA	13.348	261.72	4455.7
	S SEL2	5.056	100.85	8285.5	SUELO EST3	5.144	102.60	8344.9
	D FIRME	3.110	62.09	4285.8	TERRAPLEN	0.000	0.31	1689.3
	VEGETAL	3.029	61.18	3852.6				
98880.000	FIRME	8.200	162.54	12342.5	D TIERRA	13.170	265.18	4720.9
	S SEL2	5.125	101.81	8387.3	SUELO EST3	5.212	103.56	8448.4
	D FIRME	3.268	63.78	4349.6	VEGETAL	2.991	60.20	3912.8
	FIRME	8.533	167.34	12509.8	D TIERRA	12.626	257.96	4978.9
98900.000	S SEL2	5.398	105.24	8492.6	SUELO EST3	5.458	106.70	8555.1
	D FIRME	7.685	109.53	4459.1	TERRAPLEN	0.006	0.06	1689.4
	TERRAP SANEO	0.001	0.01	1616.1	VEGETAL	0.960	39.51	3952.3

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 9
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

98920.000	FIRME	8.455	169.88	12679.7	D TIERRA	12.799	254.25	5233.1
	S SEL2	5.437	108.35	8600.9	SUELO EST3	5.524	109.82	8664.9
	D FIRME	7.326	150.12	4609.2	TERRAPLEN	0.027	0.33	1689.7
	TERRAP SANEO	0.000	0.02	1616.1	VEGETAL	1.163	21.23	3973.6
98940.000	FIRME	7.565	160.20	12839.9	D TIERRA	10.330	231.29	5464.4
	S SEL2	4.773	102.10	8703.0	SUELO EST3	4.860	103.84	8768.8
	D FIRME	6.424	137.51	4746.7	TERRAPLEN	0.023	0.50	1690.2
	VEGETAL	1.045	22.08	3995.6				
98960.000	FIRME	6.989	145.54	12985.5	D TIERRA	8.748	190.78	5655.2
	S SEL2	4.574	93.47	8796.5	SUELO EST3	4.660	95.20	8864.0
	D FIRME	5.349	117.74	4864.5	TERRAPLEN	0.023	0.46	1690.7
	VEGETAL	1.337	23.81	4019.4				
98980.000	FIRME	4.743	117.32	13102.8	D TIERRA	5.209	139.56	5794.8
	S SEL2	3.153	77.27	8873.8	SUELO EST3	3.150	78.10	8942.1
	D FIRME	2.729	80.78	4945.3	TERRAPLEN	0.028	0.51	1691.2
	VEGETAL	1.557	28.94	4048.4				
99000.000	FIRME	4.705	94.48	13197.3	D TIERRA	4.885	100.93	5895.7
	S SEL2	3.207	63.60	8937.4	SUELO EST3	3.153	63.04	9005.1
	D FIRME	2.649	53.77	4999.0	TERRAPLEN	0.028	0.56	1691.8
	VEGETAL	1.687	32.45	4080.8				
99020.000	FIRME	6.148	108.53	13305.8	D TIERRA	6.750	116.34	6012.1
	S SEL2	4.256	74.63	9012.0	SUELO EST3	4.189	73.42	9078.5
	D FIRME	3.975	66.24	5065.3	TERRAPLEN	0.028	0.56	1692.3
	VEGETAL	1.770	34.58	4115.4				
99040.000	FIRME	7.577	137.25	13443.0	D TIERRA	8.950	157.00	6169.0
	S SEL2	5.270	95.26	9107.2	SUELO EST3	5.212	94.01	9172.5
	D FIRME	5.261	92.36	5157.6	TERRAPLEN	0.030	0.59	1692.9
	VEGETAL	1.889	36.59	4152.0				
99060.000	FIRME	6.798	143.75	13586.8	D TIERRA	5.499	144.49	6313.5
	S SEL2	4.621	98.91	9206.2	SUELO EST3	4.581	97.93	9270.5
	D FIRME	3.006	82.67	5240.3	TERRAPLEN	0.031	0.62	1693.5
	VEGETAL	2.696	45.84	4197.8				
99080.000	FIRME	5.917	127.15	13713.9	D TIERRA	4.294	97.93	6411.5
	S SEL2	3.987	86.08	9292.2	SUELO EST3	3.952	85.32	9355.8
	D FIRME	1.744	47.50	5287.8	TERRAPLEN	0.030	0.61	1694.2
	VEGETAL	2.698	53.93	4251.8				

S SEL2	6.538	122.90	10126.0	SUELO EST3	6.614	124.41	10197.7
D FIRME	5.300	92.23	5676.2	TERRAPLEN	0.031	0.62	1703.2
VEGETAL	2.886	58.91	4787.6				

Istram 18.05.05.29 17/07/18 18:00:37 459

PROYECTO :

EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

pagina 11

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99280.000	FIRME	9.442	191.12	15213.4	D TIERRA	10.390	206.34	7528.9
	S SEL2	6.456	129.94	10255.9	SUELO EST3	6.505	131.19	10328.9
	D FIRME	5.286	105.85	5782.0	TERRAPLEN	0.031	0.62	1703.9
	VEGETAL	2.804	56.91	4844.5				
99300.000	FIRME	9.216	186.58	15400.0	D TIERRA	11.320	217.10	7746.0
	S SEL2	6.316	127.72	10383.7	SUELO EST3	6.362	128.67	10457.5
	D FIRME	5.285	105.70	5887.7	TERRAPLEN	0.031	0.62	1704.5
	VEGETAL	2.687	54.91	4899.4				
99320.000	FIRME	8.991	182.07	15582.0	D TIERRA	12.012	233.32	7979.3
	S SEL2	6.120	124.35	10508.0	SUELO EST3	6.191	125.53	10583.1
	D FIRME	5.271	105.56	5993.3	TERRAPLEN	0.031	0.62	1705.1
	VEGETAL	2.547	52.33	4951.8				
99340.000	FIRME	8.898	178.89	15760.9	D TIERRA	11.471	234.83	8214.1
	S SEL2	5.982	121.02	10629.0	SUELO EST3	6.068	122.59	10705.7
	D FIRME	5.294	105.65	6098.9	TERRAPLEN	0.031	0.62	1705.7
	VEGETAL	2.446	49.93	5001.7				
99360.000	FIRME	8.894	177.93	15938.8	D TIERRA	10.920	223.92	8438.0
	S SEL2	5.935	119.17	10748.2	SUELO EST3	6.022	120.90	10826.6
	D FIRME	5.284	105.78	6204.7	TERRAPLEN	0.012	0.43	1706.1
	VEGETAL	2.415	48.61	5050.3				
99380.000	FIRME	8.909	178.03	16116.9	D TIERRA	9.451	203.71	8641.7
	S SEL2	6.072	120.07	10868.3	SUELO EST3	6.146	121.68	10948.2
	D FIRME	5.287	105.71	6310.4	TERRAPLEN	0.097	1.09	1707.2
	VEGETAL	2.502	49.17	5099.5				
99400.000	FIRME	6.463	153.72	16270.6	D TIERRA	4.311	137.62	8779.4
	S SEL2	4.444	105.16	10973.4	SUELO EST3	4.393	105.39	11053.6
	D FIRME	2.556	78.43	6388.9	TERRAPLEN	0.318	4.14	1711.4
	VEGETAL	2.583	50.85	5150.3				
99420.000	FIRME	6.280	127.42	16398.0	D TIERRA	3.677	79.88	8859.2
	S SEL2	4.126	85.71	11059.1	SUELO EST3	4.116	85.09	11138.7
	D FIRME	2.081	46.38	6435.2	TERRAPLEN	0.223	5.41	1716.8
	VEGETAL	2.575	51.58	5201.9				
99440.000	FIRME	7.490	137.69	16535.7	D TIERRA	4.829	85.06	8944.3
	S SEL2	5.112	92.39	11151.5	SUELO EST3	5.124	92.40	11231.1
	D FIRME	3.616	56.97	6492.2	TERRAPLEN	0.195	4.19	1721.0
	VEGETAL	2.569	51.43	5253.4				

Istram 18.05.05.29 17/07/18 18:00:37 459	pagina 12
PROYECTO :	
EJE: 2: Autov ^{de} de Castilla A-62: Due ^s -Cigales Izq.	
***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *	

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99460.000	FIRME	7.602	150.92	16686.6	D TIERRA	4.788	96.17	9040.5
	S SEL2	5.126	102.39	11253.9	SUELO EST3	5.123	102.47	11333.6
	D FIRME	3.601	72.16	6564.4	TERRAPLEN	0.313	5.08	1726.1
	VEGETAL	2.574	51.42	5304.8				
99480.000	FIRME	7.816	154.18	16840.8	D TIERRA	3.396	81.84	9122.3
	S SEL2	5.007	101.33	11355.2	SUELO EST3	4.982	101.05	11434.6
	D FIRME	3.384	69.85	6634.2	TERRAPLEN	0.486	7.99	1734.0
	VEGETAL	2.582	51.56	5356.3				
99500.000	FIRME	8.909	167.25	17008.1	D TIERRA	4.356	77.52	9199.8
	S SEL2	6.294	113.01	11468.2	SUELO EST3	6.201	111.83	11546.5
	D FIRME	5.311	86.95	6721.2	TERRAPLEN	0.828	13.14	1747.2
	VEGETAL	2.613	51.95	5408.3				
99520.000	FIRME	8.906	178.15	17186.2	D TIERRA	3.102	74.58	9274.4
	S SEL2	6.308	126.02	11594.3	SUELO EST3	6.194	123.95	11670.4
	D FIRME	5.285	105.96	6827.1	TERRAPLEN	1.204	20.32	1767.5
	VEGETAL	2.638	52.51	5460.8				
99540.000	FIRME	8.899	178.05	17364.3	D TIERRA	2.052	51.54	9325.9
	S SEL2	6.316	126.24	11720.5	SUELO EST3	6.186	123.80	11794.2
	D FIRME	5.308	105.93	6933.1	TERRAPLEN	1.626	28.30	1795.8
	VEGETAL	2.639	52.78	5513.6				
99560.000	FIRME	8.893	177.92	17542.2	D TIERRA	1.213	32.65	9358.6
	S SEL2	6.311	126.27	11846.8	SUELO EST3	6.171	123.57	11917.8
	D FIRME	5.316	106.24	7039.3	TERRAPLEN	2.048	36.74	1832.5
	VEGETAL	2.637	52.76	5566.3				
99580.000	FIRME	8.885	177.77	17720.0	D TIERRA	0.379	15.92	9374.5
	S SEL2	6.294	126.05	11972.8	SUELO EST3	6.162	123.33	12041.1
	D FIRME	5.319	106.35	7145.7	TERRAPLEN	2.348	43.96	1876.5
	VEGETAL	2.608	52.45	5618.8				
99600.000	FIRME	8.875	177.59	17897.5	D TIERRA	0.076	4.55	9379.1
	S SEL2	6.290	125.84	12098.7	SUELO EST3	6.147	123.09	12164.2
	D FIRME	4.924	102.44	7248.1	TERRAPLEN	2.791	51.40	1927.9
	VEGETAL	2.627	52.35	5671.1				
99620.000	FIRME	8.862	177.37	18074.9	D TIERRA	0.047	1.23	9380.3
	S SEL2	6.274	125.64	12224.3	SUELO EST3	6.130	122.76	12287.0
	D FIRME	4.569	94.93	7343.0	TERRAPLEN	3.381	61.72	1989.6
	VEGETAL	2.681	53.08	5724.2				

Istram 18.05.05.29 17/07/18 18:00:37 459	pagina 13
PROYECTO :	
EJE: 2: Autov ^{de} de Castilla A-62: Due ^s -Cigales Izq.	

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99640.000	FIRME	8.849	177.11	18252.0	D TIERRA	0.063	1.10	9381.4
	S SEL2	6.254	125.28	12349.6	SUELO EST3	6.110	122.39	12409.4
	D FIRME	4.855	94.25	7437.3	TERRAPLEN	3.889	72.69	2062.3
	VEGETAL	2.692	53.73	5777.9				
99660.000	FIRME	8.834	176.83	18428.9	D TIERRA	0.053	1.15	9382.5
	S SEL2	6.233	124.87	12474.4	SUELO EST3	6.092	122.02	12531.4
	D FIRME	4.372	92.27	7529.5	TERRAPLEN	4.053	79.41	2141.7
	VEGETAL	2.693	53.85	5831.8				
99680.000	FIRME	8.821	176.55	18605.4	D TIERRA	0.238	2.91	9385.4
	S SEL2	6.218	124.51	12599.0	SUELO EST3	6.075	121.67	12653.1
	D FIRME	5.154	95.26	7624.8	TERRAPLEN	3.575	76.28	2218.0
	VEGETAL	2.690	53.83	5885.6				
99700.000	FIRME	8.810	176.31	18781.7	D TIERRA	2.903	31.42	9416.9
	S SEL2	6.203	124.22	12723.2	SUELO EST3	6.059	121.34	12774.4
	D FIRME	5.355	105.09	7729.9	TERRAPLEN	3.269	68.44	2286.5
	VEGETAL	2.643	53.33	5938.9				
99720.000	FIRME	8.800	176.10	18957.8	D TIERRA	3.926	68.30	9485.2
	S SEL2	6.191	123.94	12847.1	SUELO EST3	6.048	121.07	12895.5
	D FIRME	5.352	107.07	7837.0	TERRAPLEN	2.019	52.88	2339.3
	VEGETAL	2.564	52.06	5991.0				
99740.000	FIRME	8.790	175.89	19133.7	D TIERRA	5.202	91.28	9576.4
	S SEL2	6.086	122.76	12969.9	SUELO EST3	6.036	120.84	13016.3
	D FIRME	5.325	106.77	7943.7	TERRAPLEN	0.284	23.04	2362.4
	VEGETAL	2.440	50.03	6041.0				
99760.000	FIRME	7.540	163.29	19297.0	D TIERRA	4.399	96.00	9672.4
	S SEL2	4.649	107.35	13077.2	SUELO EST3	4.705	107.41	13123.7
	D FIRME	3.282	86.07	8029.8	TERRAPLEN	0.228	5.12	2367.5
	VEGETAL	2.372	48.12	6089.2				
99780.000	FIRME	6.235	137.75	19434.7	D TIERRA	5.091	94.90	9767.3
	S SEL2	3.741	83.90	13161.1	SUELO EST3	3.812	85.16	13208.9
	D FIRME	1.907	51.89	8081.7	TERRAPLEN	0.031	2.59	2370.1
	VEGETAL	2.355	47.27	6136.4				
99800.000	FIRME	6.911	131.47	19566.2	D TIERRA	5.564	106.55	9873.9
	S SEL2	3.905	76.46	13237.6	SUELO EST3	3.992	78.04	13286.9
	D FIRME	2.350	42.57	8124.3	TERRAPLEN	0.028	0.59	2370.7
	VEGETAL	2.285	46.40	6182.8				

Istram 18.05.05.29 17/07/18 18:00:37 459	pagina 14
PROYECTO :	
EJE: 2: Autov ^{de} de Castilla A-62: Due ^s -Cigales Izq.	
***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *	

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99820.000	FIRME	8.770	156.81	19723.0	D TIERRA	7.149	127.13	10001.0
	S SEL2	5.800	97.05	13334.6	SUELO EST3	5.887	98.79	13385.7
	D FIRME	5.330	76.80	8201.1	TERRAPLEN	0.029	0.58	2371.2
	VEGETAL	2.280	45.64	6228.5				
99840.000	FIRME	8.767	175.37	19898.4	D TIERRA	6.072	132.21	10133.2
	S SEL2	5.783	115.83	13450.5	SUELO EST3	5.869	117.56	13503.3
	D FIRME	5.324	106.54	8307.6	TERRAPLEN	0.022	0.51	2371.8
	VEGETAL	2.268	45.48	6274.0				
99860.000	FIRME	8.770	175.37	20073.8	D TIERRA	4.037	101.08	10234.3
	S SEL2	6.157	119.40	13569.9	SUELO EST3	6.013	118.83	13622.1
	D FIRME	5.307	106.31	8413.9	TERRAPLEN	0.401	4.23	2376.0
	VEGETAL	2.549	48.17	6322.1				
99880.000	FIRME	8.773	175.44	20249.2	D TIERRA	3.013	70.49	10304.8
	S SEL2	6.159	123.16	13693.0	SUELO EST3	6.017	120.30	13742.4
	D FIRME	5.332	106.38	8520.3	TERRAPLEN	3.368	37.69	2413.7
	VEGETAL	2.625	51.74	6373.9				
99900.000	FIRME	8.778	175.51	20424.7	D TIERRA	2.444	54.57	10359.4
	S SEL2	6.166	123.25	13816.3	SUELO EST3	6.022	120.39	13862.8
	D FIRME	5.294	106.26	8626.6	TERRAPLEN	3.586	69.55	2483.2
	VEGETAL	2.683	53.07	6426.9				
99920.000	FIRME	8.784	175.62	20600.3	D TIERRA	2.365	48.09	10407.5
	S SEL2	6.173	123.39	13939.6	SUELO EST3	6.029	120.50	13983.3
	D FIRME	5.280	105.74	8732.3	TERRAPLEN	3.144	67.30	2550.5
	VEGETAL	2.692	53.75	6480.7				
99940.000	FIRME	8.792	175.76	20776.1	D TIERRA	2.345	47.10	10454.5
	S SEL2	6.181	123.54	14063.2	SUELO EST3	6.038	120.67	14104.0
	D FIRME	5.308	105.88	8838.2	TERRAPLEN	2.782	59.26	2609.8
	VEGETAL	2.677	53.69	6534.4				
99960.000	FIRME	8.800	175.92	20952.0	D TIERRA	2.237	45.82	10500.4
	S SEL2	6.192	123.73	14186.9	SUELO EST3	6.048	120.87	14224.8
	D FIRME	5.301	106.09	8944.3	TERRAPLEN	3.120	59.02	2668.8
	VEGETAL	2.689	53.66	6588.0				
99980.000	FIRME	8.809	176.08	21128.1	D TIERRA	1.245	34.82	10535.2
	S SEL2	6.202	123.93	14310.8	SUELO EST3	6.056	121.04	14345.9
	D FIRME	5.323	106.23	9050.5	TERRAPLEN	3.309	64.28	2733.1
	VEGETAL	2.674	53.63	6641.7				

100020.000	S SEL2	6.212	124.14	14435.0	SUELO EST3	6.069	121.25	14467.1
	D FIRME	5.161	104.84	9155.3	TERRAPLEN	3.555	68.64	2801.7
	VEGETAL	2.724	53.98	6695.6				
	FIRME	8.825	176.41	21480.7	D TIERRA	0.234	7.53	10560.4
100040.000	S SEL2	6.222	124.34	14559.3	SUELO EST3	6.079	121.48	14588.6
	D FIRME	5.027	101.88	9257.2	TERRAPLEN	4.304	78.59	2880.3
	VEGETAL	2.745	54.69	6750.3				
	FIRME	8.832	176.57	21657.3	D TIERRA	0.109	3.43	10563.8
100060.000	S SEL2	6.232	124.54	14683.9	SUELO EST3	6.089	121.67	14710.3
	D FIRME	4.797	98.24	9355.5	TERRAPLEN	4.700	90.04	2970.4
	VEGETAL	2.782	55.27	6805.6				
	FIRME	8.839	176.72	21834.0	D TIERRA	0.176	2.85	10566.6
100080.000	S SEL2	6.243	124.76	14808.6	SUELO EST3	6.098	121.87	14832.1
	D FIRME	4.901	96.98	9452.4	TERRAPLEN	4.746	94.46	3064.8
	VEGETAL	2.795	55.77	6861.4				
	FIRME	8.847	176.87	22010.9	D TIERRA	0.057	2.33	10569.0
100100.000	S SEL2	6.252	124.95	14933.6	SUELO EST3	6.108	122.07	14954.2
	D FIRME	4.681	95.82	9548.2	TERRAPLEN	5.348	100.94	3165.8
	VEGETAL	2.819	56.14	6917.5				
	FIRME	8.855	177.02	22187.9	D TIERRA	0.036	0.93	10569.9
100120.000	S SEL2	6.260	125.12	15058.7	SUELO EST3	6.119	122.27	15076.5
	D FIRME	3.995	86.75	9635.0	TERRAPLEN	4.947	102.95	3268.7
	VEGETAL	2.826	56.45	6974.0				
	FIRME	8.861	177.16	22365.1	D TIERRA	0.009	0.46	10570.4
100140.000	S SEL2	6.273	125.33	15184.0	SUELO EST3	6.129	122.48	15198.9
	D FIRME	3.403	73.98	9709.0	TERRAPLEN	5.742	106.90	3375.6
	VEGETAL	2.844	56.70	7030.7				
	FIRME	8.869	177.30	22542.4	D TIERRA	0.000	0.09	10570.4
100160.000	S SEL2	6.282	125.55	15309.6	SUELO EST3	6.138	122.67	15321.6
	D FIRME	2.620	60.23	9769.2	TERRAPLEN	6.443	121.85	3497.5
	VEGETAL	2.870	57.14	7087.8				
	FIRME	8.876	177.45	22719.8	S SEL2	6.291	125.73	15435.3
100180.000	SUELO EST3	6.150	122.88	15444.5	D FIRME	1.828	44.48	9813.7
	TERRAPLEN	7.942	143.85	3641.3	VEGETAL	2.927	57.97	7145.8
	FIRME	8.882	177.58	22897.4	S SEL2	6.303	125.93	15561.2
	SUELO EST3	6.159	123.08	15567.6	D FIRME	1.034	28.62	9842.3
	TERRAPLEN	9.513	174.55	3815.9	VEGETAL	2.996	59.23	7205.0

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 16

PROYECTO : EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100200.000	FIRME	8.890	177.73	23075.1	S SEL2	6.312	126.15	15687.4
	SUELO EST3	6.169	123.27	15690.9	D FIRME	0.456	14.90	9857.2
	TERRAPLEN	10.091	196.04	4011.9	VEGETAL	3.010	60.05	7265.1
100220.000	FIRME	8.896	177.86	23253.0	S SEL2	6.323	126.35	15813.7
	SUELO EST3	6.179	123.48	15814.3	D FIRME	0.407	8.63	9865.8
	TERRAPLEN	10.758	208.49	4220.4	TERRAP SANE0	0.269	2.69	1618.9
	VEGETAL	3.023	60.33	7325.4				
100240.000	FIRME	8.902	177.98	23431.0	S SEL2	6.339	126.62	15940.3
	SUELO EST3	6.189	123.69	15938.0	D FIRME	2.450	28.57	9894.4
	TERRAPLEN	11.683	224.40	4444.8	TERRAP SANE0	2.418	26.87	1645.8
	VEGETAL	3.064	60.87	7386.3				
100260.000	FIRME	8.909	178.11	23609.1	S SEL2	6.347	126.86	16067.2
	SUELO EST3	6.199	123.88	16061.9	D FIRME	2.410	48.60	9943.0
	TERRAPLEN	11.630	233.12	4677.9	TERRAP SANE0	2.337	47.55	1693.3
	VEGETAL	3.070	61.35	7447.6				
100280.000	FIRME	8.915	178.24	23787.3	S SEL2	6.353	127.00	16194.2
	SUELO EST3	6.210	124.08	16186.0	D FIRME	1.462	38.72	9981.7
	TERRAPLEN	11.373	230.02	4907.9	TERRAP SANE0	1.117	34.54	1727.9
	VEGETAL	3.069	61.39	7509.0				
100300.000	FIRME	8.921	178.36	23965.7	S SEL2	6.363	127.17	16321.4
	SUELO EST3	6.220	124.30	16310.3	D FIRME	0.998	24.60	10006.3
	TERRAPLEN	10.757	221.29	5129.2	TERRAP SANE0	0.000	11.17	1739.0
	VEGETAL	3.095	61.64	7570.6				
100320.000	FIRME	8.929	178.50	24144.2	S SEL2	6.379	127.43	16448.8
	SUELO EST3	6.234	124.54	16434.8	D FIRME	1.842	28.40	10034.7
	TERRAPLEN	8.754	195.10	5324.3	VEGETAL	3.078	61.73	7632.3
100340.000	FIRME	8.937	178.66	24322.9	S SEL2	6.392	127.71	16576.5
	SUELO EST3	6.247	124.82	16559.6	D FIRME	2.720	45.62	10080.3
	TERRAPLEN	7.157	159.11	5483.4	VEGETAL	3.100	61.78	7694.1
100360.000	FIRME	8.946	178.84	24501.7	S SEL2	6.388	127.80	16704.3
	SUELO EST3	6.284	125.31	16685.0	D FIRME	2.767	54.87	10135.2
	TERRAPLEN	8.833	159.90	5643.3	TERRAP SANE0	0.771	7.72	1746.8
	VEGETAL	3.126	62.26	7756.4				
100380.000	FIRME	8.953	178.99	24680.7	S SEL2	6.424	128.13	16832.4
	SUELO EST3	6.279	125.62	16810.6	D FIRME	2.123	48.91	10184.1
	TERRAPLEN	9.942	187.75	5831.1	EXCAVA SANE0	9.258	92.58	1535.9
	TERRAP SANE0	10.925	116.97	1863.7	VEGETAL	3.130	62.56	7819.0

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 17

PROYECTO : EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100400.000	FIRME	8.961	179.14	24859.8	S SEL2	6.439	128.63	16961.1
	SUELO EST3	6.294	125.73	16936.3	D FIRME	5.074	71.97	10256.1
	TERRAPLEN	12.311	222.53	6053.6	EXCAVA SANE0	13.449	227.07	1763.0
	TERRAP SANE0	18.523	294.48	2158.2	VEGETAL	3.174	63.04	7882.0
100420.000	FIRME	8.968	179.29	25039.1	S SEL2	6.456	128.94	17090.0
	SUELO EST3	6.312	126.06	17062.4	D FIRME	5.141	102.14	10358.2

100440.000	TERRAPLEN	13.816	261.27	6314.9	EXCAVA SANE0	13.683	271.32	2034.3
	TERRAP SANE0	18.823	373.46	2531.7	VEGETAL	3.241	64.15	7946.1
	FIRME	8.976	179.44	25218.5	S SEL2	6.471	129.26	17219.3
	SUELO EST3	6.328	126.40	17188.8	D FIRME	3.063	82.03	10440.3
100460.000	TERRAPLEN	13.410	272.26	6587.2	EXCAVA SANE0	11.194	248.77	2283.0
	TERRAP SANE0	14.179	330.03	2861.7	VEGETAL	3.277	65.17	8011.3
	FIRME	8.983	179.59	25398.1	S SEL2	6.488	129.59	17348.9
	SUELO EST3	6.345	126.73	17315.5	D FIRME	2.214	52.76	10493.0
100480.000	TERRAPLEN	10.760	241.70	6828.9	EXCAVA SANE0	9.354	205.48	2488.5
	TERRAP SANE0	10.921	251.00	3112.7	VEGETAL	3.219	64.95	8076.3
	FIRME	8.990	179.73	25577.9	S SEL2	6.506	129.95	17478.8
	SUELO EST3	6.362	127.08	17442.6	D FIRME	1.533	37.47	10530.5
100500.000	TERRAPLEN	8.478	192.38	7021.2	EXCAVA SANE0	7.259	166.13	2654.7
	TERRAP SANE0	7.259	181.80	3294.5	VEGETAL	3.131	63.50	8139.8
	FIRME	8.996	179.87	25757.7	S SEL2	6.521	130.27	17609.1
	SUELO EST3	6.384	127.46	17570.0	D FIRME	2.271	38.04	10568.5
100520.000	TERRAPLEN	7.629	161.07	7182.3	EXCAVA SANE0	7.222	144.80	2799.5
	TERRAP SANE0	7.222	144.81	3439.3	VEGETAL	3.115	62.46	8202.2
	FIRME	9.004	180.00	25937.7	S SEL2	6.540	130.61	17739.7
	SUELO EST3	6.400	127.84	17697.9	D FIRME	2.921	51.91	10620.4
100540.000	TERRAPLEN	7.094	147.23	7329.5	EXCAVA SANE0	7.150	143.71	2943.2
	TERRAP SANE0	7.150	143.71	3583.0	VEGETAL	3.085	62.01	8264.2
	FIRME	9.009	180.13	26117.9	S SEL2	6.562	131.02	17870.7
	SUELO EST3	6.417	128.18	17826.1	D FIRME	3.145	60.65	10681.1
100560.000	TERRAPLEN	6.932	140.26	7469.8	EXCAVA SANE0	7.121	142.71	3085.9
	TERRAP SANE0	7.121	142.71	3725.7	VEGETAL	3.073	61.59	8325.8
	FIRME	9.015	180.24	26298.1	D TIERRA	0.030	0.30	10570.8
	S SEL2	6.584	131.47	18002.2	SUELO EST3	6.441	128.58	17954.6
	D FIRME	3.576	67.21	10748.3	TERRAPLEN	5.779	127.11	7596.9
	EXCAVA SANE0	7.081	142.01	3227.9	TERRAP SANE0	7.081	142.02	3867.7
	VEGETAL	3.056	61.29	8387.1				

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 18

PROYECTO : EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

UJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100580.000	FIRME	9.021	180.37	26478.5	D TIERRA	0.112	1.42	10572.2
	S SEL2	6.607	131.91	18134.1	SUELO EST3	6.464	129.05	18083.7
	D FIRME	3.975	75.50	10823.8	TERRAPLEN	5.018	107.96	7704.9
	EXCAVA SANE0	7.069	141.49	3369.4	TERRAP SANE0	7.069	141.50	4009.2
	VEGETAL	3.051	61.07	8448.2				
100600.000	FIRME	9.026	180.47	26659.0	D TIERRA	0.292	4.04	10576.2
	S SEL2	6.631	132.38	18266.5	SUELO EST3	6.486	129.51	18213.2
	D FIRME	4.975	89.49	10913.3	TERRAPLEN	4.281	92.99	7797.8
	EXCAVA SANE0	7.078	141.46	3510.9	TERRAP SANE0	7.078	141.46	4150.7
	VEGETAL	3.055	61.06	8509.3				
100620.000	FIRME	9.031	180.57	26839.5	D TIERRA	1.392	16.84	10593.1
	S SEL2	6.654	132.85	18399.3	SUELO EST3	6.508	129.94	18343.1
	D FIRME	5.053	100.28	11013.6	TERRAPLEN	3.252	75.33	7873.2
	EXCAVA SANE0	7.105	141.82	3652.7	TERRAP SANE0	7.105	141.82	4292.5
	VEGETAL	3.067	61.22	8570.5				
100640.000	FIRME	9.034	180.65	27020.2	D TIERRA	2.301	36.93	10630.0
	S SEL2	6.674	133.28	18532.6	SUELO EST3	6.532	130.40	18473.5
	D FIRME	5.068	101.22	11114.8	TERRAPLEN	2.367	56.19	7929.4
	EXCAVA SANE0	7.082	141.87	3794.5	TERRAP SANE0	7.082	141.87	4434.4
	VEGETAL	3.057	61.24	8631.7				
100660.000	FIRME	9.037	180.72	27200.9	D TIERRA	3.170	54.71	10684.7
	S SEL2	6.694	133.69	18666.3	SUELO EST3	6.553	130.85	18604.4
	D FIRME	5.085	101.53	11216.3	TERRAPLEN	1.782	41.49	7970.9
	EXCAVA SANE0	7.058	141.41	3935.9	TERRAP SANE0	7.058	141.41	4575.8
	VEGETAL	3.047	61.05	8692.8				
100680.000	FIRME	8.796	178.33	27379.2	D TIERRA	5.287	84.56	10769.3
	S SEL2	5.949	126.43	18792.7	SUELO EST3	5.998	125.51	18729.9
	D FIRME	5.098	101.84	11318.2	TERRAPLEN	0.008	17.90	7988.8
	EXCAVA SANE0	5.776	128.34	4064.3	TERRAP SANE0	5.776	128.34	4704.1
	VEGETAL	2.520	55.68	8748.4				
100700.000	FIRME	8.739	175.35	27554.6	D TIERRA	4.681	99.68	10869.0
	S SEL2	5.854	118.02	18910.8	SUELO EST3	5.933	119.31	18849.2
	D FIRME	5.121	102.19	11420.4	TERRAPLEN	0.181	1.89	7990.6
	EXCAVA SANE0	2.110	78.86	4143.1	TERRAP SANE0	2.110	78.86	4783.0
	VEGETAL	2.440	49.60	8798.0				

100780.000	VEGETAL	2.880	58.19	8957.4															
	FIRME	8.075	170.67	28257.3	D TIERRA	7.744	159.53	11383.5											
	S SEL2	5.343	117.27	19394.5	SUELO EST3	5.429	118.96	19340.8											
	D FIRME	2.932	80.34	11806.3	TERRAPLEN	0.031	0.33	8000.3											
100800.000	EXCAVA SANE0	7.582	144.64	4549.9	TERRAP SANE0	7.582	144.64	5189.7											
	VEGETAL	3.261	61.41	9018.8															
	FIRME	7.296	153.71	28411.0	D TIERRA	7.154	148.98	11532.4											
	S SEL2	4.976	103.19	19497.7	SUELO EST3	5.049	104.78	19445.6											
100820.000	D FIRME	2.199	51.30	11857.6	TERRAPLEN	0.031	0.63	8000.9											
	EXCAVA SANE0	7.926	155.09	4705.0	TERRAP SANE0	7.926	155.09	5344.8											
	VEGETAL	3.352	66.13	9084.9															
	FIRME	7.210	145.06	28556.0	D TIERRA	6.659	138.13	11670.6											
100840.000	S SEL2	5.038	100.15	19597.8	SUELO EST3	5.097	101.45	19547.1											
	D FIRME	2.178	43.76	11901.4	TERRAPLEN	0.271	3.02	8004.0											
	EXCAVA SANE0	8.188	161.14	4866.1	TERRAP SANE0	8.188	161.14	5506.0											
	VEGETAL	3.429	67.81	9152.7															
100860.000	FIRME	8.236	154.46	28710.5	D TIERRA	9.229	158.88	11829.4											
	S SEL2	5.784	108.23	19706.1	SUELO EST3	5.825	109.22	19656.3											
	D FIRME	3.045	52.23	11953.6	TERRAPLEN	0.164	4.35	8008.3											
	EXCAVA SANE0	8.670	168.58	5034.7	TERRAP SANE0	8.670	168.58	5674.6											
100880.000	VEGETAL	3.624	70.52	9223.3															
	FIRME	7.296	153.71	28411.0	D TIERRA	7.154	148.98	11532.4											
	S SEL2	4.976	103.19	19497.7	SUELO EST3	5.049	104.78	19445.6											
	D FIRME	2.199	51.30	11857.6	TERRAPLEN	0.031	0.63	8000.9											
100900.000	EXCAVA SANE0	7.926	155.09	4705.0	TERRAP SANE0	7.926	155.09	5344.8											
	VEGETAL	3.352	66.13	9084.9															
	FIRME	7.210	145.06	28556.0	D TIERRA	6.659	138.13	11670.6											
	S SEL2	5.038	100.15	19597.8	SUELO EST3	5.097	101.45	19547.1											
100920.000	D FIRME	2.178	43.76	11901.4	TERRAPLEN	0.271	3.02	8004.0											
	EXCAVA SANE0	8.188	161.14	4866.1	TERRAP SANE0	8.188	161.14	5506.0											
	VEGETAL	3.429	67.81	9152.7															
	FIRME	8.236	154.46	28710.5	D TIERRA	9.229	158.88	11829.4											
100940.000	S SEL2	5.784	108.23	19706.1	SUELO EST3	5.825	109.22	19656.3											
	D FIRME	3.045	52.23	11953.6	TERRAPLEN	0.164	4.35	8008.3											
	EXCAVA SANE0	8.670	168.58	5034.7	TERRAP SANE0	8.670	168.58	5674.6											
	VEGETAL	3.624	70.52	9223.3															

Istram 18.05.05.29 17/07/18 18:00:37 459

pagina 20

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****													
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
100860.000	FIRME	8.453		166.90	28877.4	D TIERRA	10.337		195.66	12025.1			
	S SEL2	6.161		119.45	19825.5	SUELO EST3	6.181		120.06	19776.3			
	D FIRME	3.823		68.69	12022.3	TERRAPLEN	0.110		2.74	8011.1			
	EXCAVA SANE0	8.174		168.44	5203.2	TERRAP SANE0	8.174		168.44	5843.0			
100880.000	VEGETAL	3.480		71.03	9294.3								
	FIRME	7.017		154.70	29032.1	D TIERRA	4.713		150.49	12175.6			
	S SEL2	5.241		114.01	19939.5	SUELO EST3	5.217		113.98	19890.3			
	D FIRME	2.447		62.70	12085.0	TERRAPLEN	0.067		1.77	8012.8			
100900.000	EXCAVA SANE0	7.477		156.51	5359.7	TERRAP SANE0	7.477		156.51	5999.5			
	VEGETAL	3.280		67.60	9361.9								
	FIRME	6.965		139.82	29171.9	D TIERRA	3.897		86.10	12261.7			
	S SEL2	5.353		105.94	20045.5	SUELO EST3	5.217		104.33	19994.6			
100920.000	D FIRME	2.334		47.82	12132.8	TERRAPLEN	0.566		6.33	8019.2			
	EXCAVA SANE0	7.803		152.80	5512.5	TERRAP SANE0	7.803		152.80	6152.3			
	VEGETAL	3.392		66.72	9428.6								
	FIRME	7.193		141.59	29313.5	D TIERRA	4.043		79.40	12341.1			
100940.000	S SEL2	5.467		108.20	20153.7	SUELO EST3	5.304		105.21	20099.9			
	D FIRME	2.447		47.81	12180.6	TERRAPLEN	0.622		11.88	8031.0			
	EXCAVA SANE0	7.875		156.78	5669.2	TERRAP SANE0	7.875		156.78	6309.1			
	VEGETAL	3.426		68.19	9496.8								
100960.000	FIRME	7.311		145.04	29458.5	D TIERRA	4.451		84.94	12426.0			
	S SEL2	5.471		109.38	20263.0	SUELO EST3	5.350		106.54	20206.4			
	D FIRME	2.533		49.80	12230.4	TERRAPLEN	0.335		9.57	8040.6			
	EXCAVA SANE0	7.715		155.90	5825.1	TERRAP SANE0	7.715		155.90	6465.0			
100980.000	VEGETAL	3.402		68.28	9565.1								
	FIRME	7.338		146.49	29605.0	D TIERRA	4.767		92.18	12518.2			
	S SEL2	5.407		108.78	20371.8	SUELO EST3	5.339		106.89	20313.3			
	D FIRME	2.575		51.08	12281.5	TERRAPLEN	0.303		6.38	8047.0			
101000.000	EXCAVA SANE0	7.596		153.11	5978.3	TERRAP SANE0	7.596		153.11	6618.1			
	VEGETAL	3.357		67.60	9632.7								
	FIRME	7.507		148.45	29753.5	D TIERRA	4.842		96.08	12614.3			
	S SEL2	5.517		109.24	20481.1	SUELO EST3	5.451		107.91	20421.2			
101020.000	D FIRME	2.743		53.17	12334.7	TERRAPLEN	0.305		6.08	8053.1			
	EXCAVA SANE0	7.651		152.47	6130.7	TERRAP SANE0	7.651		152.47	6770.6			
	VEGETAL	3.354		67.11	9699.8								

Istram 18.05.05.29 17/07/18 18:00:37 459

pagina 21

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****													
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
101000.000	FIRME	7.608		151.14	29904.6	D TIERRA	5.129		99.70	12714.0			
	S SEL2	5.508		110.25	20591.3	SUELO EST3	5.453		109.04	20530.2			
	D FIRME	2.860		56.03	12390.7	TERRAPLEN	0.219		5.24	8058.3			
	EXCAVA SANE0	7.497		151.48	6282.2	TERRAP SANE0	7.497		151.48	6922.0			
	VEGETAL	3.303		66.57	9766.4								
101020.000	FIRME	9.022		166.29	30070.9	D TIERRA	6.117		112.46	12826.5			
	S SEL2	6.938		124.46	20715.8	SUELO EST3	6.867		123.20	20653.4			
	D FIRME	5.039		78.99	12469.7	TERRAPLEN	0.263		4.82	8063.1			
	EXCAVA SANE0	7.569		150.66	6432.9	TERRAP SANE0	7.569		150.66	7072.7			
	VEGETAL	3.314		66.17	9832.5								
101040.000	FIRME	8.993		180.15	30251.1	D TIERRA	4.976		110.94	12937.4			
	S SEL2	6.959		138.97	20854.7	SUELO EST3	6.868		137.35	20790.8			
	D FIRME	5.066		101.05	12570.7	TERRAPLEN	0.276		5.39	8068.5			
	EXCAVA SANE0	7.581		151.50	6584.4	TERRAP SANE0	7.581		151.50	7224.2			
	VEGETAL	3.301		66.15	9898.7								
101060.000	FIRME	8.716		177.09	30428.1	D TIERRA	2.700		76.77	13014.2			
	S SEL2	5.724		126.83	20981.6	SUELO EST3	5.820		126.88	20917.7			
	D FIRME	4.786		98.52	12669.3	TERRAPLEN	0.327		6.04	8074.6			
	EXCAVA SANE0	5.788		133.69	6718.1	TERRAP SANE0	5.788		133.69	7357.9			
	VEGETAL	2.538		58.39	9957.1								
101080.000	FIRME	8.675		173.90	30602.0	D TIERRA	2.625		53.25	13067.4			
	S SEL2	5.931		116.55	21098.1	SUELO EST3	5.907		117.26	21034.9			
	D FIRME	4.337		91.23	12760.5	TERRAPLEN	1.827		21.54	8096.1			
	EXCAVA SANE0	6.619		124.06	6842.1	TERRAP SANE0	6.619		124.06	7482.0			

101540.000	TERRAPLEN	0.039	0.70	8699.4	VEGETAL	3.955	79.23	11868.9
	FIRME	10.398	208.43	35211.1	D TIERRA	65.789	1398.97	44410.8
	SUELO EST3	6.550	131.27	23991.5	D FIRME	5.157	103.11	14775.0
	TERRAPLEN	0.049	0.88	8700.3	VEGETAL	3.785	77.40	11946.3

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 24

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
101560.000	FIRME	10.379	207.77	35418.8	D TIERRA	59.697	1254.86	45665.6
	SUELO EST3	6.540	130.90	24122.4	D FIRME	5.149	103.06	14878.0
	TERRAPLEN	0.049	0.98	8701.3	VEGETAL	3.685	74.70	12021.0
101580.000	FIRME	10.130	205.09	35623.9	D TIERRA	54.882	1145.79	46811.4
	SUELO EST3	6.417	129.57	24251.9	D FIRME	5.165	103.14	14981.2
	TERRAPLEN	0.049	0.99	8702.3	VEGETAL	3.516	72.01	12093.0
101600.000	FIRME	10.042	201.72	35825.6	D TIERRA	50.494	1053.76	47865.2
	SUELO EST3	6.370	127.87	24379.8	D FIRME	5.133	102.98	15084.2
	TERRAPLEN	0.048	0.98	8703.3	VEGETAL	3.442	69.58	12162.6
101620.000	FIRME	9.891	199.33	36025.0	D TIERRA	47.765	982.59	48847.8
	SUELO EST3	6.275	126.45	24506.3	D FIRME	5.300	104.33	15188.5
	TERRAPLEN	0.048	0.96	8704.2	VEGETAL	3.233	66.75	12229.3
101640.000	FIRME	9.830	197.21	36222.2	D TIERRA	45.647	934.12	49781.9
	SUELO EST3	6.232	125.07	24631.3	D FIRME	5.328	106.28	15294.8
	TERRAPLEN	0.050	0.97	8705.2	VEGETAL	3.170	64.04	12293.4
101660.000	FIRME	9.780	196.10	36418.3	D TIERRA	44.418	900.65	50682.5
	SUELO EST3	6.191	124.23	24755.6	D FIRME	5.295	106.23	15401.0
	TERRAPLEN	0.053	1.02	8706.2	VEGETAL	3.163	63.34	12356.7
101680.000	FIRME	9.414	191.94	36610.2	D TIERRA	41.298	857.16	51539.7
	SUELO EST3	5.877	120.68	24876.3	D FIRME	5.336	106.31	15507.3
	TERRAPLEN	0.052	1.05	8707.3	VEGETAL	2.862	60.26	12417.0
101700.000	FIRME	9.593	190.07	36800.3	D TIERRA	39.018	803.17	52342.9
	SUELO EST3	5.996	118.73	24995.0	D FIRME	5.309	106.44	15613.8
	TERRAPLEN	0.050	1.03	8708.3	VEGETAL	2.893	57.56	12474.5
101720.000	FIRME	9.584	191.77	36992.1	D TIERRA	37.068	760.86	53103.7
	SUELO EST3	5.985	119.82	25114.8	D FIRME	5.267	105.76	15719.5
	TERRAPLEN	0.053	1.03	8709.3	VEGETAL	2.861	57.55	12532.1
101740.000	FIRME	10.548	201.32	37193.4	D TIERRA	36.534	736.02	53839.8
	SUELO EST3	6.864	128.50	25243.3	D FIRME	5.384	106.51	15826.0
	TERRAPLEN	0.053	1.06	8710.4	VEGETAL	3.333	61.95	12594.0
101760.000	FIRME	10.264	208.12	37401.5	D TIERRA	33.711	702.45	54542.2
	SUELO EST3	6.758	136.22	25379.5	D FIRME	5.744	111.28	15937.3
	TERRAPLEN	0.044	0.97	8711.4	VEGETAL	2.928	62.61	12656.6
101780.000	FIRME	9.921	201.85	37603.4	D TIERRA	31.249	649.60	55191.8
	SUELO EST3	6.493	132.51	25512.0	D FIRME	6.073	118.17	16055.5
	TERRAPLEN	0.091	1.35	8712.7	VEGETAL	2.520	54.47	12711.1

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 25

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
101800.000	FIRME	10.187	201.08	37804.4	D TIERRA	30.259	615.08	55806.9
	SUELO EST3	6.638	131.30	25643.3	D FIRME	6.384	124.56	16180.0
	TERRAPLEN	0.180	2.71	8715.4	VEGETAL	2.501	50.21	12761.3
101820.000	FIRME	10.938	211.25	38015.7	D TIERRA	31.456	617.15	56424.0
	SUELO EST3	7.105	137.43	25780.8	D FIRME	6.605	129.89	16309.9
	TERRAPLEN	0.256	4.36	8719.8	VEGETAL	2.836	53.37	12814.7
101840.000	FIRME	11.540	224.78	38240.5	D TIERRA	31.228	626.84	57050.9
	SUELO EST3	7.371	144.76	25925.5	D FIRME	6.795	134.00	16443.0
	TERRAPLEN	0.216	4.72	8724.5	VEGETAL	3.154	59.90	12874.6
101860.000	FIRME	11.939	234.79	38475.3	D TIERRA	30.245	614.73	57665.6
	SUELO EST3	7.584	149.56	26075.1	D FIRME	6.869	136.65	16580.6
	TERRAPLEN	0.247	4.63	8729.1	VEGETAL	3.368	65.21	12939.8
101880.000	FIRME	12.027	239.66	38714.9	D TIERRA	29.230	594.75	58260.0
	SUELO EST3	7.627	152.11	26227.2	D FIRME	6.933	138.02	16718.6
	TERRAPLEN	0.349	5.97	8735.1	VEGETAL	3.432	67.99	13007.8
101900.000	FIRME	12.025	240.52	38955.4	D TIERRA	27.317	565.47	58825.8
	SUELO EST3	7.627	152.54	26379.7	D FIRME	7.064	139.97	16858.6
	TERRAPLEN	0.666	10.16	8745.2	VEGETAL	3.416	68.48	13076.3
101920.000	FIRME	12.026	240.51	39195.9	D TIERRA	25.603	529.19	59355.0
	SUELO EST3	7.626	152.53	26532.3	D FIRME	7.258	143.22	17001.8
	TERRAPLEN	0.555	12.21	8757.5	VEGETAL	3.364	67.80	13144.1
101940.000	FIRME	12.026	240.52	39436.5	D TIERRA	24.756	503.59	59858.6
	SUELO EST3	7.627	152.53	26684.8	D FIRME	7.268	145.26	17147.1
	TERRAPLEN	0.944	14.99	8772.4	VEGETAL	3.384	67.48	13211.5
101960.000	FIRME	12.025	240.51	39677.0	D TIERRA	24.466	492.22	60350.8
	SUELO EST3	7.627	152.54	26837.3	D FIRME	7.431	146.99	17294.1
	TERRAPLEN	0.452	13.96	8786.4	VEGETAL	3.285	66.69	13278.2
101980.000	FIRME	11.974	239.99	39917.0	D TIERRA	24.062	485.28	60836.1
	SUELO EST3	7.626	152.53	26989.9	D FIRME	7.782	152.13	17446.2
	TERRAPLEN	0.391	8.43	8794.8	VEGETAL	2.988	62.73	13341.0
102000.000	FIRME	11.697	236.71	40153.7	D TIERRA	23.211	472.73	61308.8
	SUELO EST3	7.582	152.08	27142.0	D FIRME	8.267	160.49	17606.7
	TERRAPLEN	0.292	6.83	8801.7	VEGETAL	2.583	55.71	13396.7
102020.000	FIRME	11.397	230.94	40384.6	D TIERRA	22.259	454.70	61763.5
	SUELO EST3	7.368	149.50	27291.5	D FIRME	8.822	170.89	17777.6
	TERRAPLEN	0.322	6.14	8807.8	VEGETAL	2.117	47.00	13443.7

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 26

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102040.000	FIRME	11.092	224.89	40609.5	D TIERRA	24.148	464.07	62227.6
	SUELO EST3	7.112	144.80	27436.3	D FIRME	5.396	142.18	17919.7
	TERRAPLEN	0.069	3.91	8811.7	EXCAVA SANO	2.635	26.35	7845.1
	TERRAP SANO	2.635	26.35	8484.9	VEGETAL	3.603	57.21	13500.9
102060.000	FIRME	9.483	205.75	40815.3	D TIERRA	20.246	443.94	62671.5
	SUELO EST3	6.037	131.49	27567.7	D FIRME	5.448	108.44	18028.2
	TERRAPLEN	0.032	1.01	8812.7	EXCAVA SANO	0.000	26.35	7871.5
	TERRAP SANO	0.000	26.35	8511.3	VEGETAL	2.658	62.62	13563.5
102080.000	FIRME	9.446	189.29	41004.6	D TIERRA	20.014	402.60	63074.1
	SUELO EST3	6.004	120.41	27688.2	D FIRME	5.429	108.77	18137.0
	TERRAPLEN	0.031	0.63	8813.4	VEGETAL	2.611	52.69	13616.2
102100.000	FIRME	9.601	190.47	41195.0	D TIERRA	20.758	407.72	63481.9
	SUELO EST3	6.129	121.33	27809.5	D FIRME	5.391	108.20	18245.1
	TERRAPLEN	0.031	0.62	8814.0	VEGETAL	2.724	53.35	13669.5
102120.000	FIRME	9.700	193.01	41388.0	D TIERRA	20.431	411.89	63893.8
	SUELO EST3	6.212	123.41	27932.9	D FIRME	5.394	107.85	18353.0
	TERRAPLEN	0.031	0.62	8814.6	VEGETAL	2.786	55.10	13724.6
102140.000	FIRME	9.747	194.47	41582.5	D TIERRA	19.821	402.52	64296.3
	SUELO EST3	6.240	124.52	28057.4	D FIRME	5.428	108.22	18461.2
	TERRAPLEN	0.032	0.63	8815.2	VEGETAL	2.815	56.01	13780.7
102160.000	FIRME	9.744	194.91	41777.4	D TIERRA	18.329	381.50	64677.8
	SUELO EST3	6.224	124.64	28182.1	D FIRME	5.470	108.98	18570.2
	TERRAPLEN	0.031	0.63	8815.9	VEGETAL	2.766	55.81	13836.5
102180.000	FIRME	9.691	194.35	41971.8	D TIERRA	17.768	360.97	65038.7
	SUELO EST3	6.204	124.28	28306.3	D FIRME	5.434	109.04	18679.2
	TERRAPLEN	0.031	0.62	8816.5	VEGETAL	2.730	54.96	13891.4
102200.000	FIRME	9.584	192.75	42164.5	D TIERRA	17.054	348.21	65386.9
	SUELO EST3	6.115	123.18	28429.5	D FIRME	5.418	108.52	18787.8
	TERRAPLEN	0.031	0.62	8817.1	VEGETAL	2.678	54.08	13945.5
102220.000	FIRME	9.413	189.97	42354.5	D TIERRA	15.156	322.10	65709.0
	SUELO EST3	5.984	120.98	28550.5	D FIRME	5.412	108.29	18896.1
	TERRAPLEN	0.026	0.57	8817.7	EXCAVA SANO	11.854	118.54	7990.0
102240.000	TERRAP SANO	11.854	118.54	8629.8	VEGETAL	2.539	52.16	13997.7
	FIRME	9.165	185.79	42540.3	D TIERRA	14.238	293.93	66003.0
	SUELO EST3	5.810	117.94	28668.4	D FIRME	5.438	108.50	19004.5
	TERRAPLEN	0.031	0.57	8818.3	EXCAVA SANO	0.000	118.54	8108.5
	TERRAP SANO	0.000	118.54	8748.4	VEGETAL	2.391	49.29	14047.0

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 27

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102260.000	FIRME	9.148	183.14	42723.4	D TIERRA	14.250	284.88	66287.9
	SUELO EST3	5.799	116.09	28784.5	D FIRME	5.443	108.81	19113.4
	TERRAPLEN	0.031	0.63	8818.9	VEGETAL	2.378	47.68	14094.6
102280.000	FIRME	9.107	182.56	42906.0	D TIERRA	13.290	275.40	66563.3</

102480.000	SUELO EST3	6.576	124.87	29995.3	D FIRME	3.332	72.24	20135.1
	TERRAPLEN	0.031	0.32	8822.3	VEGETAL	4.227	73.19	14639.5
	FIRME	10.351	206.87	44821.0	D TIERRA	15.933	332.97	69335.9
102500.000	SUELO EST3	6.577	131.53	30126.8	D FIRME	2.887	62.18	20197.3
	TERRAPLEN	0.006	0.37	8822.6	VEGETAL	4.340	85.66	14725.1
	FIRME	9.580	199.31	45020.4	D TIERRA	10.911	268.43	69604.4
102520.000	SUELO EST3	6.205	127.82	30254.6	D FIRME	2.390	52.77	20250.0
	TERRAPLEN	0.030	0.36	8823.0	VEGETAL	4.165	85.05	14810.2
	FIRME	9.113	186.93	45207.3	D TIERRA	7.927	188.38	69792.8
102540.000	SUELO EST3	6.112	123.18	30377.8	D FIRME	2.026	44.16	20294.2
	TERRAPLEN	0.029	0.59	8823.6	VEGETAL	4.143	83.09	14893.3
	FIRME	8.937	180.49	45387.8	D TIERRA	3.555	114.82	69907.6
102560.000	SUELO EST3	6.126	122.38	30500.2	D FIRME	1.549	35.75	20329.9
	TERRAPLEN	2.728	27.57	8851.2	VEGETAL	4.419	85.62	14978.9
	FIRME	8.672	176.09	45563.9	D TIERRA	2.184	57.39	69965.0
102580.000	SUELO EST3	5.936	120.62	30620.8	D FIRME	1.040	25.89	20355.8
	TERRAPLEN	3.343	60.71	8911.9	VEGETAL	4.488	89.07	15068.0
	FIRME	8.401	170.73	45734.6	D TIERRA	0.678	28.62	69993.6
102600.000	SUELO EST3	5.707	116.43	30737.2	D FIRME	3.649	46.89	20402.7
	TERRAPLEN	3.236	65.80	8977.7	VEGETAL	2.352	68.40	15136.4
	FIRME	8.029	164.30	45898.9	D TIERRA	0.149	8.27	70001.9
102620.000	SUELO EST3	5.435	111.42	30848.6	D FIRME	2.821	64.70	20467.4
	TERRAPLEN	3.313	65.50	9043.2	VEGETAL	2.778	51.30	15187.7
	FIRME	8.099	161.27	46060.2	D TIERRA	0.005	1.54	70003.4
102640.000	SUELO EST3	5.481	109.15	30957.8	D FIRME	2.101	49.22	20516.6
	TERRAPLEN	5.319	86.33	9129.5	VEGETAL	3.439	62.16	15249.8
	FIRME	9.689	177.87	46238.0	D TIERRA	0.030	0.35	70003.7
102660.000	SUELO EST3	6.545	120.25	31078.1	D FIRME	1.960	40.61	20557.2
	TERRAPLEN	15.561	208.80	9338.3	VEGETAL	4.714	81.52	15331.3
	FIRME	9.738	194.27	46432.3	D TIERRA	0.071	1.01	70004.8
102680.000	SUELO EST3	6.577	131.22	31209.3	D FIRME	1.807	37.67	20594.9
	TERRAPLEN	21.451	370.12	9708.4	VEGETAL	4.882	95.95	15427.3
	FIRME	9.786	195.24	46627.5	D TIERRA	0.047	1.18	70005.9
	SUELO EST3	6.614	131.91	31341.2	D FIRME	1.939	37.47	20632.4
	TERRAPLEN	22.974	444.25	10152.7	VEGETAL	4.911	97.92	15525.2

Istram 18.05.05.29 17/07/18 18:00:37 459

PROYECTO :

EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

pagina 29

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102700.000	FIRME	9.838	196.24	46823.8	D TIERRA	0.130	1.76	70007.7
	SUELO EST3	6.651	132.65	31473.8	D FIRME	2.235	41.75	20674.1
	TERRAPLEN	22.873	458.47	10611.1	VEGETAL	4.800	97.11	15622.3
102720.000	FIRME	9.876	197.14	47020.9	D TIERRA	0.027	1.57	70009.3
	SUELO EST3	6.675	133.26	31607.1	D FIRME	2.021	42.57	20716.7
	TERRAPLEN	23.010	458.83	11070.0	VEGETAL	4.627	94.27	15716.6
102740.000	FIRME	9.904	197.80	47218.7	D TIERRA	0.473	5.00	70014.3
	S SEL2	6.840	68.40	22087.0	SUELO EST3	6.699	133.73	31740.8
	D FIRME	3.158	51.79	20768.5	TERRAPLEN	20.001	430.11	11500.1
	VEGETAL	4.426	90.53	15807.1				
102760.000	FIRME	9.928	198.32	47417.1	D TIERRA	0.351	8.24	70022.5
	S SEL2	6.860	137.00	22224.0	SUELO EST3	6.717	134.15	31875.0
	D FIRME	3.753	69.11	20837.6	TERRAPLEN	18.382	383.83	11883.9
	VEGETAL	4.149	85.75	15892.9				
102780.000	FIRME	9.945	198.73	47615.8	D TIERRA	0.198	5.49	70028.0
	S SEL2	6.874	137.34	22361.4	SUELO EST3	6.731	134.47	32009.5
	D FIRME	3.756	75.09	20912.7	TERRAPLEN	12.463	308.45	12192.3
	VEGETAL	3.685	78.34	15971.2				
102800.000	FIRME	9.865	198.10	47813.9	D TIERRA	1.006	12.05	70040.0
	S SEL2	6.824	136.98	22498.4	SUELO EST3	6.678	134.09	32143.5
	D FIRME	4.267	80.23	20992.9	TERRAPLEN	7.544	200.06	12392.4
	VEGETAL	3.387	70.72	16041.9				
102820.000	FIRME	9.637	195.02	48008.9	D TIERRA	0.896	19.03	70059.1
	S SEL2	6.673	134.96	22633.3	SUELO EST3	6.527	132.05	32275.6
	D FIRME	4.997	92.65	21085.6	TERRAPLEN	5.710	132.54	12524.9
	VEGETAL	2.956	63.43	16105.4				
102840.000	FIRME	9.406	190.43	48199.3	D TIERRA	0.693	15.90	70075.0
	S SEL2	6.516	131.89	22765.2	SUELO EST3	6.372	128.99	32404.6
	D FIRME	5.419	104.16	21189.7	TERRAPLEN	4.847	105.57	12630.5
	VEGETAL	2.588	55.44	16160.8				
102860.000	FIRME	9.174	185.79	48385.1	D TIERRA	0.504	11.97	70086.9
	S SEL2	6.358	128.74	22894.0	SUELO EST3	6.221	125.93	32530.5
	D FIRME	5.195	106.14	21295.9	TERRAPLEN	3.935	87.82	12718.3
	VEGETAL	2.201	47.89	16208.7				
102880.000	FIRME	8.941	181.15	48566.3	D TIERRA	0.162	6.66	70093.6
	S SEL2	6.208	125.66	23019.6	SUELO EST3	6.063	122.84	32653.4
	D FIRME	3.922	91.18	21387.0	TERRAPLEN	4.431	83.66	12802.0
	VEGETAL	2.135	43.36	16252.1				

Istram 18.05.05.29 17/07/18 18:00:37 459

PROYECTO :

EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

pagina 30

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102900.000	FIRME	8.709	176.50	48742.8	D TIERRA	0.207	3.69	70097.3
	S SEL2	6.053	122.61	23142.2	SUELO EST3	5.912	119.75	32773.1
	D FIRME	4.067	79.89	21466.9	TERRAPLEN	5.694	101.25	12903.3
	VEGETAL	2.270	44.04	16296.1				
102920.000	FIRME	8.479	171.88	48914.7	D TIERRA	0.065	2.72	70100.0
	S SEL2	5.901	119.54	23261.8	SUELO EST3	5.754	116.67	32889.8
	D FIRME	4.205	82.72	21549.7	TERRAPLEN	3.784	94.78	12998.0

102940.000	VEGETAL	2.310	45.80	16341.9				
	FIRME	8.396	168.75	49083.4	D TIERRA	0.334	3.99	70104.0
	S SEL2	5.845	117.46	23379.2	SUELO EST3	5.703	114.57	33004.3
102960.000	D FIRME	5.590	97.95	21647.6	TERRAPLEN	2.127	59.12	13057.1
	VEGETAL	2.065	43.76	16385.6				
	FIRME	8.399	167.94	49251.3	D TIERRA	3.398	37.32	70141.3
102980.000	S SEL2	5.825	116.70	23495.9	SUELO EST3	5.704	114.07	33118.4
	D FIRME	5.253	108.43	21756.0	TERRAPLEN	0.566	26.94	13084.1
	VEGETAL	2.254	43.19	16428.8				
103000.000	FIRME	7.649	160.48	49411.8	D TIERRA	4.148	75.46	70216.8
	S SEL2	4.920	107.45	23603.4	SUELO EST3	4.942	106.47	33224.9
	D FIRME	4.096	93.50	21849.5	TERRAPLEN	0.656	12.22	13096.3
103020.000	VEGETAL	2.147	44.00	16472.8				
	FIRME	7.040	146.89	49558.7	D TIERRA	6.445	105.93	70322.7
	S SEL2	4.585	95.05	23698.4	SUELO EST3	4.667	96.09	33321.0
103040.000	D FIRME	3.801	78.97	21928.5	TERRAPLEN	0.859	15.14	13111.4
	VEGETAL	2.103	42.49	16515.3				
	FIRME	8.239	152.79	49711.5	D TIERRA	10.298	167.43	70490.1
103060.000	S SEL2	5.217	98.02	23796.5	SUELO EST3	5.305	99.71	33420.7
	D FIRME	5.189	89.90	22018.4	TERRAPLEN	0.768	16.27	13127.7
	VEGETAL	1.981	40.84	16556.2				
103080.000	FIRME	8.976	172.16	49883.7	D TIERRA	15.963	262.61	70752.7
	S SEL2	5.731	109.48	23905.9	SUELO EST3	5.818	111.22	33531.9
	D FIRME	5.198	103.87	22122.3	TERRAPLEN	0.647	14.15	13141.9
103100.000	VEGETAL	2.406	43.87	16600.1				
	FIRME	9.586	185.62	50069.3	D TIERRA	21.147	371.10	71123.8
	S SEL2	6.031	117.61	24023.5	SUELO EST3	6.116	119.34	33651.2
103120.000	D FIRME	5.131	103.29	22225.6	TERRAPLEN	1.062	17.09	13159.0
	VEGETAL	2.769	51.75	16651.8				

Istram 18.05.05.29 17/07/18 18:00:37 459

PROYECTO :

EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

pagina 31

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
103080.000	FIRME	9.590	191.76	50261.0	D TIERRA	25.063	462.10	71586.0
	S SEL2	6.035	120.66	24144.2	SUELO EST3	6.121	122.37	33773.6
	D FIRME	5.190	103.21	22328.8	TERRAPLEN	1.286	23.48	13182.4
	VEGETAL	2.797	55.66	16707.5				
103100.000	FIRME	9.596	191.86	50452.9	D TIERRA	29.546	546.10	72132.1
	S SEL2	6.040	120.75	24265.0	SUELO EST3	6.127	122.48	33896.1
	D FIRME	5.134	103.24	22432.0	TERRAPLEN	0.733	20.20	13202.6
	VEGETAL	2.907	57.04	16764.5				
103120.000	FIRME	9.602	191.97	50644.9	D TIERRA	33.174	627.20	72759.2
	S SEL2	6.045	120.84	24385.8	SUELO EST3	6.132	122.59	34018.7
	D FIRME	5.104	102.38	22534.4	TERRAPLEN	0.583	13.16	13215.8
	VEGETAL	2.990	58.97	16823.5				
103140.000	FIRME	9.608	192.10	50837.0	D TIERRA	36.537	697.11	73456.4
	S SEL2	6.050	120.95	24506.7	SUELO EST3	6.137	122.69	34141.4
	D FIRME	5.141	102.45	22636.8	TERRAPLEN	0.438	10.21	13226.0
	VEGETAL	3.018	60.09	16883.6				
103160.000	FIRME	9.619	192.28	51029.2	D TIERRA	39.626	761.64	74218.0
	S SEL2	6.058	121.08	24627.8	SUELO EST3	6.143	122.80	34264.2
	D FIRME	5.256	103.97	22740.8	TERRAPLEN	0.130	5.68	13231.7
	VEGETAL	3.008	60.26	16943.8				
103180.000	FIRME	9.626	192.45	51221.7	D TIERRA	41.414	810.41	75028.4
	S SEL2	6.066	121.23	24749.0	SUELO EST3	6.152	122.96	34387.1
	D FIRME	5.270	105.26	22846.1	TERRAPLEN	0.082	2.12	13233.8
	VEGETAL	3.039	60.47	17004.3				
103200.000	FIRME	9.633	192.58	51414.3	D TIERRA	43.763	851.77	75880.2
	S SEL2	6.034	121.00	24870.0	SUELO EST3	6.160	123.12	34510.2
	D FIRME	5.260	105.30	22951.4	TERRAPLEN	0.066	1.48	13235.3
	VEGETAL	3.102	61.41	17065.7				
103220.000	FIRME	9.640	192.73	51607.0	D TIERRA	44.775	885.37	76765.5
	S SEL2	6.066	121.00	24991.0	SUELO EST3	6.167	123.27	34633.5
	D FIRME	5.312	105.72	23057.1	TERRAPLEN	0.205	2.71	13238.0
	VEGETAL	3.063	61.65	17127.4				
103240.000	FIRME	9.647	192.87	51799.9	D TIERRA	46.722	914.96	77680.5
	S SEL2	6.088	121.55	25112.6	SUELO EST3	6.174	123.41	34756.9
	D FIRME	5.267	105.79	23162.9	TERRAPLEN	0.262	4.67	13242.7
	VEGETAL	3.173	62.36	17189.7				

103340.000	VEGETAL	3.332	66.54	17450.7						
	FIRME	9.677	193.48	52766.1	D TIERRA	56.851	1113.73	82822.7		
	S SEL2	6.123	122.39	52723.2	SUELO EST3	6.209	124.12	35376.2		
	D FIRME	5.214	104.34	23684.2	TERRAPLEN	0.031	0.86	13253.6		
103360.000	VEGETAL	3.337	66.69	17517.4						
	FIRME	9.684	193.61	52959.7	D TIERRA	57.404	1142.56	83965.2		
	S SEL2	6.128	122.51	25845.7	SUELO EST3	6.213	124.23	35500.4		
	D FIRME	5.229	104.43	23788.6	TERRAPLEN	0.032	0.63	13254.2		
103380.000	VEGETAL	3.356	66.93	17584.3						
	FIRME	9.687	193.71	53153.4	D TIERRA	53.408	1108.12	85073.4		
	S SEL2	6.134	122.63	25968.3	SUELO EST3	6.221	124.34	35624.7		
	D FIRME	5.208	104.37	23893.0	TERRAPLEN	0.033	0.65	13254.9		
103400.000	VEGETAL	3.290	66.46	17650.7						
	FIRME	9.692	193.79	53347.2	D TIERRA	50.213	1036.21	86109.6		
	S SEL2	6.140	122.75	26091.1	SUELO EST3	6.226	124.47	35749.2		
	D FIRME	5.239	104.47	23997.4	TERRAPLEN	0.031	0.64	13255.5		
103420.000	VEGETAL	3.237	65.26	17716.0						
	FIRME	9.696	193.88	53541.1	D TIERRA	46.517	967.30	87076.9		
	S SEL2	6.144	122.84	26213.9	SUELO EST3	6.231	124.57	35873.8		
	D FIRME	5.176	104.15	24101.6	TERRAPLEN	0.029	0.60	13256.1		
	VEGETAL	3.159	63.96	17780.0						

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 33
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

103440.000	FIRME		9.703		193.99		53735.1	D TIERRA		41.728		882.45		87959.3
	S SEL2		6.157		123.01		26336.9	SUELO EST3		6.245		124.76		35998.5
	D FIRME		5.206		103.81		24205.4	TERRAPLEN		0.030		0.59		13256.7
	VEGETAL		3.141		63.00		17843.0							
103460.000	FIRME		9.729		194.32		53929.4	D TIERRA		37.629		793.57		88752.9
	S SEL2		6.220		123.77		26460.7	SUELO EST3		6.307		125.51		36124.0
	D FIRME		5.307		105.13		24310.5	TERRAPLEN		0.029		0.59		13257.3
	VEGETAL		3.077		62.18		17905.1							
103480.000	FIRME		9.763		194.93		54124.4	D TIERRA		34.548		721.77		89474.7
	S SEL2		6.275		124.95		26585.6	SUELO EST3		6.361		126.68		36250.7
	D FIRME		5.251		105.58		24416.1	TERRAPLEN		0.026		0.55		13257.8
	VEGETAL		2.986		60.64		17965.8							
103500.000	FIRME		9.770		195.33		54319.7	D TIERRA		27.127		616.76		90091.4
	S SEL2		6.278		125.53		26711.2	SUELO EST3		6.368		127.29		36378.0
	D FIRME		5.277		105.28		24521.4	TERRAPLEN		0.038		0.64		13258.5
	VEGETAL		2.913		59.00		18024.8							
103520.000	FIRME		9.093		188.62		54508.3	D TIERRA		19.441		465.69		90557.1
	S SEL2		5.892		121.71		26832.9	SUELO EST3		5.979		123.46		36501.5
	D FIRME		5.227		105.03		24626.4	TERRAPLEN		0.233		2.70		13261.2
	VEGETAL		2.495		54.09		18078.8							
103540.000	FIRME		8.596		176.89		54685.2	D TIERRA		12.983		324.24		90881.4
	S SEL2		5.495		113.87		26946.7	SUELO EST3		5.581		115.60		36617.1
	D FIRME		5.235		104.62		24731.0	TERRAPLEN		0.114		3.47		13264.6
	VEGETAL		2.178		46.73		18125.6							
103560.000	FIRME		8.686		172.82		54858.0	D TIERRA		11.803		247.86		91129.2
	S SEL2		5.661		111.56		27058.3	SUELO EST3		5.748		113.29		36730.4
	D FIRME		5.243		104.78		24835.8	TERRAPLEN		0.004		1.18		13265.8
	VEGETAL		2.207		43.85		18169.4							
103580.000	FIRME		8.701		173.87		55031.9	D TIERRA		9.840		216.43		91345.6
	S SEL2		5.687		113.48		27171.8	SUELO EST3		5.775		115.23		36845.6
	D FIRME		5.230		104.72		24940.5	TERRAPLEN		0.018		0.22		13266.0
	VEGETAL		2.236		44.43		18213.9							
103600.000	FIRME		6.293		149.94		55181.8	D TIERRA		5.452		152.91		91498.6
	S SEL2		3.949		96.36		27268.1	SUELO EST3		4.035		98.10		36943.7
	D FIRME		2.489		77.19		25017.7	TERRAPLEN		0.032		0.50		13266.5
	VEGETAL		2.277		45.12		18259.0							

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 34
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

103620.000	FIRME	6.824		131.17		55313.0		D TIERRA	4.889		103.40		91602.0	
	S SEL2	3.931		78.79		27346.9		SUELO EST3	4.017		80.52		37024.2	
	D FIRME	2.521		50.10		25067.8		TERRAPLEN	0.035		0.67		13267.2	
	VEGETAL	2.214		44.91		18303.9								
103640.000	FIRME	6.437		132.61		55445.6		D TIERRA	4.208		90.96		91692.9	
	S SEL2	3.848		77.78		27424.7		SUELO EST3	3.934		79.51		37103.7	
	D FIRME	2.553		50.74		25118.6		TERRAPLEN	0.613		6.48		13273.7	
	VEGETAL	2.145		43.59		18347.5								
103660.000	FIRME	6.993		134.30		55579.9		D TIERRA	5.675		98.83		91791.8	
	S SEL2	4.370		82.17		27506.9		SUELO EST3	4.455		83.89		37187.6	
	D FIRME	3.461		60.14		25178.7		TERRAPLEN	0.966		15.78		13289.5	
	VEGETAL	2.108		42.53		18390.0								
103680.000	FIRME	8.717		157.10		55737.0		D TIERRA	8.842		145.17		91936.9	
	S SEL2	5.703		100.73		27607.6		SUELO EST3	5.790		102.45		37290.1	
	D FIRME	5.212		86.73		25265.4		TERRAPLEN	0.756		17.21		13306.7	
	VEGETAL	2.257		43.65		18433.7								
103700.000	FIRME	8.554		172.72		55909.7		D TIERRA	9.553		183.95		92120.9	
	S SEL2	5.480		111.83		27719.4		SUELO EST3	5.565		113.55		37403.6	
	D FIRME	5.199		104.11		25369.6		TERRAPLEN	0.621		13.77		13320.4	
	VEGETAL	2.185		44.42		18478.1								
103720.000	FIRME	8.590		171.44		56081.2		D TIERRA	10.583		201.36		92322.2	
	S SEL2	5.569		110.49		27829.9		SUELO EST3	5.656		112.21		37515.8	
	D FIRME	5.221		104.20		25473.7		TERRAPLEN	0.510		11.31		13331.8	

103740.000	VEGETAL	2.141	43.26	18521.3						
	FIRME	8.682	172.72	56253.9	D TIERRA	11.005	215.89	92538.1		
	S SEL2	5.647	112.17	27942.1	SUELO EST3	5.735	113.91	37629.7		
	D FIRME	5.274	104.95	25578.7	TERRAPLEN	0.263	7.73	13339.5		
103760.000	VEGETAL	2.180	43.21	18564.6						
	FIRME	8.602	172.84	56426.7	D TIERRA	11.291	222.96	92761.1		
	S SEL2	5.517	111.64	28053.8	SUELO EST3	5.603	113.38	37743.1		
	D FIRME	5.220	104.94	25683.6	TERRAPLEN	0.479	7.42	13346.9		
103780.000	VEGETAL	2.202	43.83	18608.4						
	FIRME	8.795	173.97	56600.7	D TIERRA	12.173	234.64	92995.7		
	S SEL2	5.651	111.68	28165.4	SUELO EST3	5.738	113.41	37856.5		
	D FIRME	5.270	104.90	25788.5	TERRAPLEN	0.309	7.88	13354.8		
	VEGETAL	2.283	44.85	18653.2						

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 35
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****													
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
103800.000	FIRME	9.384		181.79	56782.5	D TIERRA	13.836		260.09	93255.8			
	S SEL2	6.116		117.67	28283.1	SUELO EST3	6.201		119.40	37975.9			
	D FIRME	5.302		105.71	25894.2	TERRAPLEN	0.184		4.93	13359.7			
	VEGETAL	2.674		49.56	18702.8								
103820.000	FIRME	9.121		185.05	56967.5	D TIERRA	12.938		267.74	93523.6			
	S SEL2	5.932		120.47	28403.6	SUELO EST3	6.018		122.19	38098.1			
	D FIRME	5.293		105.95	26000.2	TERRAPLEN	0.153		3.37	13363.1			
	VEGETAL	2.487		51.61	18754.4								
103840.000	FIRME	9.222		183.43	57151.0	D TIERRA	13.278		262.16	93785.7			
	S SEL2	6.012		119.44	28523.0	SUELO EST3	6.101		121.19	38219.3			
	D FIRME	5.316		106.10	26106.3	TERRAPLEN	0.233		3.86	13367.0			
	VEGETAL	2.559		50.46	18804.9								
103860.000	FIRME	9.849		190.72	57341.7	D TIERRA	14.927		282.05	94067.8			
	S SEL2	6.367		123.79	28646.8	SUELO EST3	6.453		125.54	38344.9			
	D FIRME	5.271		105.87	26212.2	TERRAPLEN	0.158		3.91	13370.9			
	VEGETAL	2.920		54.78	18859.6								
103880.000	FIRME	9.858		197.07	57538.8	D TIERRA	14.962		298.88	94366.7			
	S SEL2	6.377		127.44	28774.2	SUELO EST3	6.464		129.17	38474.0			
	D FIRME	5.254		105.25	26317.4	TERRAPLEN	0.321		4.78	13375.6			
	VEGETAL	2.978		58.98	18918.6								
103900.000	FIRME	9.535		193.93	57732.7	D TIERRA	12.500		274.62	94641.3			
	S SEL2	6.224		126.01	28900.3	SUELO EST3	6.311		127.74	38601.8			
	D FIRME	5.265		105.19	26422.6	TERRAPLEN	0.510		8.31	13384.0			
	VEGETAL	2.798		57.77	18976.4								
103920.000	FIRME	9.677		192.12	57924.8	D TIERRA	12.309		248.09	94889.4			
	S SEL2	6.302		125.26	29025.5	SUELO EST3	6.386		126.96	38728.7			
	D FIRME	5.227		104.92	26527.5	TERRAPLEN	1.198		17.08	13401.0			
	VEGETAL	2.892		56.90	19033.3								
103940.000	FIRME	9.870		195.47	58120.3	D TIERRA	12.307		246.15	95135.5			
	S SEL2	6.400		127.02	29152.5	SUELO EST3	6.486		128.72	38857.4			
	D FIRME	5.235		104.62	26632.2	TERRAPLEN	1.346		25.44	13426.5			
	VEGETAL	2.980		58.71	19092.0								
103960.000	FIRME	9.311		191.81	58312.1	D TIERRA	10.264		225.71	95361.2			
	S SEL2	6.099		124.99	29277.5	SUELO EST3	6.186		126.72	38984.2			
	D FIRME	5.255		104.90	26737.1	TERRAPLEN	1.277		26.23	13452.7			
	VEGETAL	2.668		56.47	19148.5								

S SEL2	5.778	118.93	30036.1	SUELO EST3	5.862	119.75	39760.0
D FIRME	5.333	105.52	27291.2	TERRAPLEN	0.547	18.01	13568.9
EXCAVA SANE0	2.832	90.01	9562.9	TERRAP SANE0	2.832	90.01	10202.8
VEGETAL	2.262	47.71	19544.1				

Istram 18.05.05.29 17/07/18 18:00:37 459 pagina 37

PROYECTO :
EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104140.000	FIRME	8.863	176.50	59719.7	D TIERRA	13.093	245.74	96854.1
	S SEL2	5.750	115.28	30151.3	SUELO EST3	5.838	117.00	39877.0
	D FIRME	5.306	106.38	27397.6	TERRAPLEN	0.147	6.94	13575.8
	EXCAVA SANE0	5.904	87.36	9650.3	TERRAP SANE0	5.904	87.36	10290.1
	VEGETAL	2.353	46.15	19590.3				
104160.000	FIRME	8.976	178.39	59898.1	D TIERRA	14.452	275.45	97129.6
	S SEL2	5.832	115.82	30267.2	SUELO EST3	5.918	117.56	39994.6
	D FIRME	5.303	106.08	27503.7	TERRAPLEN	0.162	3.09	13578.9
	EXCAVA SANE0	6.096	120.01	9770.3	TERRAP SANE0	6.096	120.01	10410.1
	VEGETAL	2.417	47.70	19638.0				
104180.000	FIRME	9.096	180.73	60078.8	D TIERRA	15.689	301.42	97431.0
	S SEL2	5.923	117.54	30384.7	SUELO EST3	6.010	119.27	40113.8
	D FIRME	5.268	105.71	27609.4	TERRAPLEN	0.206	3.68	13582.6
	EXCAVA SANE0	6.382	124.78	9895.1	TERRAP SANE0	6.382	124.78	10534.9
	VEGETAL	2.504	49.22	19687.2				
104200.000	FIRME	8.950	180.46	60259.3	D TIERRA	15.581	312.70	97743.7
	S SEL2	5.813	117.36	30502.1	SUELO EST3	5.898	119.08	40232.9
	D FIRME	5.212	104.80	27714.2	TERRAPLEN	0.304	5.11	13587.7
	EXCAVA SANE0	6.155	125.36	10020.4	TERRAP SANE0	6.155	125.36	10660.3
	VEGETAL	2.446	49.50	19736.7				
104220.000	FIRME	8.982	179.32	60438.6	D TIERRA	16.277	318.58	98062.3
	S SEL2	5.837	116.50	30618.6	SUELO EST3	5.924	118.22	40351.1
	D FIRME	5.159	103.71	27817.9	TERRAPLEN	0.216	5.20	13592.9
	EXCAVA SANE0	6.312	124.67	10145.1	TERRAP SANE0	6.312	124.67	10784.9
	VEGETAL	2.491	49.37	19786.0				
104240.000	FIRME	9.209	181.92	60620.5	D TIERRA	17.661	339.38	98401.7
	S SEL2	6.011	118.48	30737.0	SUELO EST3	6.097	120.21	40471.3
	D FIRME	5.185	103.44	27921.4	TERRAPLEN	0.198	4.14	13597.0
	EXCAVA SANE0	6.674	129.86	10274.9	TERRAP SANE0	6.674	129.86	10914.8
	VEGETAL	2.615	51.05	19837.1				
104260.000	FIRME	9.265	184.74	60805.3	D TIERRA	17.503	351.65	98753.3
	S SEL2	6.085	120.96	30858.0	SUELO EST3	6.170	122.68	40594.0
	D FIRME	5.190	103.74	28025.1	TERRAPLEN	0.161	3.60	13600.6
	EXCAVA SANE0	6.901	135.74	10410.7	TERRAP SANE0	6.901	135.74	11050.5
	VEGETAL	2.677	52.92	19890.0				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 38

PROYECTO :
EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104280.000	FIRME	8.928	181.93	60987.2	D TIERRA	16.264	337.68	99091.0
	S SEL2	5.795	118.79	30976.8	SUELO EST3	5.881	120.51	40714.5
	D FIRME	5.191	103.80	28128.9	TERRAPLEN	0.096	2.57	13603.2
	EXCAVA SANE0	6.305	132.05	10542.7	TERRAP SANE0	6.305	132.05	11182.6
	VEGETAL	2.442	51.19	19941.2				
104300.000	FIRME	8.793	177.21	61164.4	D TIERRA	16.027	322.91	99413.9
	S SEL2	5.698	114.93	31091.7	SUELO EST3	5.784	116.65	40831.2
	D FIRME	5.173	103.63	28232.6	TERRAPLEN	0.022	1.17	13604.4
	EXCAVA SANE0	6.130	124.35	10667.1	TERRAP SANE0	6.130	124.35	11306.9
	VEGETAL	2.375	48.17	19989.4				
104320.000	FIRME	8.602	173.95	61338.4	D TIERRA	15.166	311.94	99725.8
	S SEL2	5.568	112.66	31204.4	SUELO EST3	5.657	114.41	40945.6
	D FIRME	5.162	103.34	28335.9	TERRAPLEN	0.021	0.43	13604.8
	EXCAVA SANE0	5.895	120.25	10787.3	TERRAP SANE0	5.895	120.25	11427.2
	VEGETAL	2.281	46.56	20035.9				
104340.000	FIRME	8.845	174.47	61512.8	D TIERRA	15.770	309.37	100035.2
	S SEL2	6.234	118.02	31322.4	SUELO EST3	6.106	117.63	41063.2
	D FIRME	5.142	103.04	28438.9	TERRAPLEN	0.005	0.26	13605.0
	EXCAVA SANE0	6.618	125.13	10912.5	TERRAP SANE0	6.618	125.13	11552.3
	VEGETAL	2.632	49.13	20085.1				
104360.000	FIRME	8.843	176.88	61689.7	D TIERRA	14.873	306.43	100341.6
	S SEL2	6.248	124.82	31447.2	SUELO EST3	6.103	122.09	41185.3
	D FIRME	5.162	103.04	28542.0	TERRAPLEN	0.328	3.33	13608.4
	EXCAVA SANE0	7.142	137.60	11050.1	TERRAP SANE0	7.142	137.60	11689.9
	VEGETAL	2.826	54.58	20139.6				
104380.000	FIRME	8.842	176.85	61866.6	D TIERRA	14.886	297.58	100639.2
	S SEL2	6.244	124.91	31572.1	SUELO EST3	6.102	122.05	41307.4
	D FIRME	5.172	103.34	28645.3	TERRAPLEN	0.195	5.24	13613.6
	EXCAVA SANE0	7.094	142.36	11192.4	TERRAP SANE0	7.094	142.36	11832.3
	VEGETAL	2.798	56.24	20195.9				
104400.000	FIRME	8.840	176.82	62043.4	D TIERRA	14.160	290.46	100929.7
	S SEL2	6.244	124.87	31697.0	SUELO EST3	6.099	122.01	41429.4
	D FIRME	5.163	103.35	28748.7	TERRAPLEN	0.971	11.66	13625.3
	EXCAVA SANE0	8.013	151.07	11343.5	TERRAP SANE0	8.013	151.07	11983.4
	VEGETAL	3.155	59.53	20255.4				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 39

PROYECTO :
EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104420.000	FIRME	8.840	176.80	62220.2	D TIERRA	14.273	284.33	101214.0
	S SEL2	6.095	123.39	31820.4	SUELO EST3	6.093	121.92	41551.3
	D FIRME	5.220	103.82	28852.5	TERRAPLEN	0.094	10.65	13635.9
	EXCAVA SANE0	6.125	141.38	11484.9	TERRAP SANE0	6.125	141.38	12124.7
	VEGETAL	2.493	56.48	20311.9				
104440.000	FIRME	8.837	176.77	62397.0	D TIERRA	13.865	281.38	101495.4
	S SEL2	6.238	123.33	31943.7	SUELO EST3	6.095	121.88	41673.2
	D FIRME	5.212	104.32	28956.8	TERRAPLEN	0.382	4.76	13640.7
	EXCAVA SANE0	6.883	130.08	11615.0	TERRAP SANE0	6.883	130.08	12254.8
	VEGETAL	2.724	52.18	20364.1				
104460.000	FIRME	8.835	176.73	62573.7	D TIERRA	13.568	274.33	101769.7
	S SEL2	6.189	124.27	32068.0	SUELO EST3	6.093	121.89	41795.1
	D FIRME	5.173	103.86	29060.7	TERRAPLEN	0.355	7.36	13648.0
	EXCAVA SANE0	6.422	133.05	11748.0	TERRAP SANE0	6.422	133.05	12387.9
	VEGETAL	2.573	52.98	20417.0				
104480.000	FIRME	8.834	176.69	62750.4	D TIERRA	13.532	271.00	102040.7
	S SEL2	6.233	124.23	32192.2	SUELO EST3	6.090	121.83	41916.9
	D FIRME	5.176	103.49	29164.2	TERRAPLEN	1.618	19.72	13667.8
	EXCAVA SANE0	8.287	147.10	11895.1	TERRAP SANE0	8.287	147.10	12535.0
	VEGETAL	3.274	58.47	20475.5				
104500.000	FIRME	8.741	175.74	62926.1	D TIERRA	12.915	264.46	102305.2
	S SEL2	5.652	118.85	32311.1	SUELO EST3	5.739	118.29	42035.2
	D FIRME	5.190	103.66	29267.8	TERRAPLEN	0.656	22.74	13690.5
	EXCAVA SANE0	6.025	143.13	12038.2	TERRAP SANE0	6.025	143.13	12678.1
	VEGETAL	2.330	56.03	20531.5				
104520.000	FIRME	9.903	186.43	63112.6	D TIERRA	15.927	288.42	102593.6
	S SEL2	6.432	120.84	32431.9	SUELO EST3	6.519	122.58	42157.8
	D FIRME	5.183	103.73	29371.5	TERRAPLEN	0.744	14.00	13704.5
	EXCAVA SANE0	7.898	139.24	12177.5	TERRAP SANE0	7.898	139.24	12817.3
	VEGETAL	3.074	54.04	20585.6				
104540.000	FIRME	9.901	198.03	63310.6	D TIERRA	17.354	332.81	102926.4
	S SEL2	6.430	128.62	32560.5	SUELO EST3	6.516	130.35	42288.1
	D FIRME	5.191	103.74	29475.3	TERRAPLEN	0.803	15.47	13720.0
	EXCAVA SANE0	3.022	109.20	12286.7	TERRAP SANE0	3.022	109.20	12926.5
	VEGETAL	3.121	61.95	20647.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 40

PROYECTO :
EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104560.000	FIRME	9.899	198.00	63508.6	D TIERRA	15.664	330.18	103256.6
	S SEL2	6.429	128.59	32689.1	SUELO EST3	6.515	130.30	42418.4
	D FIRME	5.185	103.76	29579.0	TERRAPLEN	0.972	17.75	13737.7
	EXCAVA SANE0	7.875	108.97	12395.7	TERRAP SANE0	7.875	108.97	13035.5
	VEGETAL	3.058	61.79	20709.3				
104580.000	FIRME	9.898	197.96	63706.6	D TIERRA	16.427	320.91	103577.5
	S SEL2	6.428	128.57	32817.7	SUELO EST3	6.512	130.26	42548.7
	D FIRME	5.194	103.79	29682.8	TERRAPLEN	0.292	12.64	13750.4
	EXCAVA SANE0	7.693	155.68	12551.3	TERRAP SANE0	7.693	155.68	13191.2
	VEGETAL	3.052	61.09	20770.4				
104600.000	FIRME	9.896	197.93	63904.5	D TIERRA	16.391	328.18	103905.7
	S SEL2	6.423	128.50	32946.2	SUELO EST3	6.511	130.23	42678.9
	D FIRME	5.187	103.81	29786.6	TERRAPLEN	0.162	4.55	13754.9
	EXCAVA SANE0	7.628	153.21	12704.5	TERRAP SANE0	7.628	153.21	13344.4
	VEGETAL	3.045	60.96	20831.4				
104620.000	FIRME	9.894	197.90	64102.4	D TIERRA	15.844	322.35	104228.0
	S SEL2	6.422	128.45	33074.7	SUELO EST3	6.508	130.19	42809.1
	D FIRME	5.177	103.64	29890.3	TERRAPLEN	0.093	2.55	13757.5
	EXCAVA SANE0	7.714	153.42	12858.0	TERRAP SANE0	7.714	153.42	13497.8
	VEGETAL	3.039	60.84	20892.2				
104640.000	FIRME	9.893	197.87	64300.3	D TIERRA	15.535	313.79	104541.8
	S SEL2	6.421	128.43	33203.1	SUELO EST3	6.505	130.14	42939.3
	D FIRME	5.175	103.52	29993.8	TERRAPLEN	0.057	1.50	13759.0
	EXCAVA SANE0	7.816	155.30	13013.3	TERRAP SANE0	7.816	155.30	13653.1
	VEGETAL	3.030	60.69	20952.9				
104660.000	FIRME	9.709	196.02	64496.3	D TIERRA	14.948	304.84	104846.7
	S SEL2	6.330	127.51	33330.6	SUELO EST3	6.419	129.24	43068.5
	D FIRME	5.183	103.58	30097.4	TERRAPLEN	0.106	1.63	13760.6
	EXCAVA SANE0	7.571	153.88	13167.1	TERRAP SANE0	7.571	153.88	13807.0
	VEGETAL	2.940	59.70	21012.6				
104680.000	FIRME	9.543	192.51	64688.8	D TIERRA	14.014	289.62	105136.3
	S SEL2	6.246	125.75	33456.3	SUELO EST3	6.332	127.50	43196.0
	D FIRME	5.173	103.56	30200.9	TERRAPLEN	0.203	3.09	13763.7
	EXCAVA SANE0	7.379	149.50	13316.6	TERRAP SANE0	7.379	149.50	13956.5
	VEGETAL	2.860	58.00	21070.6				

104740.000	D FIRME	5.185	103.45	30407.7	TERRAPLEN	0.293	5.37	13773.5
	EXCAVA SANE0	7.049	143.42	13606.8	TERRAP SANE0	7.049	143.42	14246.6
	VEGETAL	2.731	55.36	21182.6				
104760.000	FIRME	9.266	186.18	65252.8	D TIERRA	12.652	262.28	105952.0
	S SEL2	6.065	121.91	33825.7	SUELO EST3	6.152	123.64	43570.5
	D FIRME	5.195	103.81	30511.5	TERRAPLEN	0.393	6.85	13780.4
104780.000	EXCAVA SANE0	6.906	139.55	13746.3	TERRAP SANE0	6.906	139.55	14386.2
	VEGETAL	2.664	53.94	21236.6				
	FIRME	9.883	191.49	65444.3	D TIERRA	14.306	269.58	106221.6
104800.000	S SEL2	6.406	124.72	33950.4	SUELO EST3	6.492	126.44	43696.9
	D FIRME	5.215	104.10	30615.6	TERRAPLEN	0.494	8.86	13789.2
	EXCAVA SANE0	7.795	147.00	13893.3	TERRAP SANE0	7.795	147.00	14533.2
104820.000	VEGETAL	3.028	56.92	21293.5				
	FIRME	9.881	197.64	65642.0	D TIERRA	14.225	285.31	106506.9
	S SEL2	6.405	128.12	34078.5	SUELO EST3	6.492	129.84	43826.8
104840.000	D FIRME	5.210	104.24	30719.9	TERRAPLEN	0.431	9.25	13798.5
	EXCAVA SANE0	7.761	155.56	14048.9	TERRAP SANE0	7.761	155.56	14688.7
	VEGETAL	3.028	60.56	21354.0				
104860.000	FIRME	9.879	197.60	65839.6	D TIERRA	14.360	285.85	106792.7
	S SEL2	6.403	128.08	34206.6	SUELO EST3	6.489	129.81	43956.6
	D FIRME	5.204	104.14	30824.0	TERRAPLEN	0.461	8.92	13807.4
104880.000	EXCAVA SANE0	7.790	155.51	14204.4	TERRAP SANE0	7.790	155.51	14844.3
	VEGETAL	3.030	60.58	21414.6				
	FIRME	9.873	197.52	66037.1	D TIERRA	14.503	288.63	107081.4
104900.000	S SEL2	6.393	127.96	34334.5	SUELO EST3	6.483	129.72	44086.3
	D FIRME	5.201	104.05	30928.1	TERRAPLEN	0.497	9.59	13817.0
	EXCAVA SANE0	7.745	155.35	14359.8	TERRAP SANE0	7.745	155.35	14999.6
104920.000	VEGETAL	3.031	60.62	21475.2				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 42

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
104840.000	FIRME	9.863	197.37	66234.5	D TIERRA	15.530	300.33	107381.7	
	S SEL2	6.384	127.78	34462.3	SUELO EST3	6.470	129.53	44215.8	
	D FIRME	5.201	104.02	31032.1	TERRAPLEN	0.336	8.34	13825.3	
	EXCAVA SANE0	2.827	105.72	14465.5	TERRAP SANE0	2.827	105.72	15105.3	
	VEGETAL	3.069	61.01	21536.2					
104860.000	FIRME	9.848	197.11	66431.6	D TIERRA	16.537	320.67	107702.4	
	S SEL2	6.367	127.51	34589.8	SUELO EST3	6.451	129.21	44345.0	
	D FIRME	5.194	103.96	31136.0	TERRAPLEN	0.153	4.89	13830.2	
	EXCAVA SANE0	2.563	53.90	14519.4	TERRAP SANE0	2.563	53.90	15159.2	
	VEGETAL	3.089	61.59	21597.8					
104880.000	FIRME	9.827	196.76	66628.3	D TIERRA	15.817	323.53	108025.9	
	S SEL2	6.341	127.08	34716.9	SUELO EST3	6.430	128.81	44473.8	
	D FIRME	5.196	103.90	31239.9	TERRAPLEN	0.144	2.96	13833.2	
	EXCAVA SANE0	7.677	102.40	14621.8	TERRAP SANE0	7.677	102.40	15261.6	
	VEGETAL	2.990	60.79	21658.6					
104900.000	FIRME	9.802	196.29	66824.6	D TIERRA	16.311	321.28	108347.2	
	S SEL2	6.313	126.55	34843.5	SUELO EST3	6.400	128.29	44602.1	
	D FIRME	5.208	104.03	31344.0	TERRAPLEN	0.171	3.14	13836.3	
	EXCAVA SANE0	7.593	152.69	14774.5	TERRAP SANE0	7.593	152.69	15414.3	
	VEGETAL	2.955	59.45	21718.1					
104920.000	FIRME	9.777	195.78	67020.4	D TIERRA	15.553	318.64	108665.8	
	S SEL2	6.289	126.02	34969.5	SUELO EST3	6.376	127.76	44729.9	
	D FIRME	5.205	104.13	31448.1	TERRAPLEN	0.249	4.20	13840.5	
	EXCAVA SANE0	7.554	151.47	14925.9	TERRAP SANE0	7.554	151.47	15565.8	
	VEGETAL	2.954	59.09	21777.2					
104940.000	FIRME	9.759	195.35	67215.8	D TIERRA	16.528	320.81	108986.6	
	S SEL2	6.270	125.59	35095.1	SUELO EST3	6.357	127.33	44857.2	
	D FIRME	5.211	104.16	31552.3	TERRAPLEN	0.199	4.47	13845.0	
	EXCAVA SANE0	7.500	150.54	15076.5	TERRAP SANE0	7.500	150.54	15716.3	
	VEGETAL	2.928	58.82	21836.0					
104960.000	FIRME	9.746	195.05	67410.8	D TIERRA	17.520	340.47	109327.1	
	S SEL2	6.258	125.29	35220.4	SUELO EST3	6.344	127.01	44984.2	
	D FIRME	5.176	103.87	31656.1	TERRAPLEN	0.274	4.73	13849.7	
	EXCAVA SANE0	7.406	149.06	15225.5	TERRAP SANE0	7.406	149.06	15865.4	
	VEGETAL	2.929	58.57	21894.5					

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 43

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
104980.000	FIRME	9.742	194.89	67605.7	D TIERRA	18.278	357.98	109685.1	
	S SEL2	6.256	125.14	35345.5	SUELO EST3	6.342	126.86	45111.1	
	D FIRME	5.182	103.58	31759.7	TERRAPLEN	0.284	5.58	13855.3	
	EXCAVA SANE0	7.457	148.63	15374.2	TERRAP SANE0	7.457	148.63	16014.0	
	VEGETAL	2.916	58.45	21953.0					
105000.000	FIRME	9.747	194.90	67800.6	D TIERRA	18.476	367.54	110052.6	
	S SEL2	6.262	125.18	35470.7	SUELO EST3	6.348	126.90	45238.0	
	D FIRME	5.196	103.79	31863.5	TERRAPLEN	0.040	3.24	13858.5	
	EXCAVA SANE0	7.278	147.35	15521.5	TERRAP SANE0	7.278	147.35	16161.4	
	VEGETAL	2.886	58.01	22011.0					
105020.000	FIRME	9.371	191.18	67991.8	D TIERRA	16.795	352.71	110405.3	
	S SEL2	6.082	123.44	35594.1	SUELO EST3	6.169	125.17	45363.1	
	D FIRME	5.197	103.93	31967.4	TERRAPLEN	0.081	1.21	13859.7	
	EXCAVA SANE0	6.710	139.88	15661.4	TERRAP SANE0	6.710	139.88	16301.3	
	VEGETAL	2.706	55.92	22066.9					
105040.000	FIRME	9.181	185.52	68177.3	D TIERRA	15.153	319.49	110724.8	
	S SEL2	5.965	120.47	35714.6	SUELO EST3	6.050	122.19	45485.3	

105060.000	D FIRME	5.182	103.78	32071.2	TERRAPLEN	0.150	2.31	13862.1
	EXCAVA SANE0	6.543	132.53	15793.9	TERRAP SANE0	6.543	132.53	16433.8
	VEGETAL	2.586	52.92	22119.8				
105080.000	FIRME	8.993	181.75	68359.0	D TIERRA	13.870	290.23	111015.0
	S SEL2	5.792	117.57	35832.2	SUELO EST3	5.878	119.28	45604.6
	D FIRME	5.171	103.52	32174.7	TERRAPLEN	0.356	5.06	13867.1
105100.000	EXCAVA SANE0	6.297	128.41	15922.4	TERRAP SANE0	6.297	128.41	16562.2
	VEGETAL	2.441	50.28	22170.1				
	FIRME	9.030	180.24	68539.3	D TIERRA	12.694	265.63	111280.7
105120.000	S SEL2	5.833	116.25	35948.4	SUELO EST3	5.919	117.98	45722.6
	D FIRME	5.159	103.30	32278.0	TERRAPLEN	0.483	8.38	13875.5
	EXCAVA SANE0	6.447	127.44	16049.8	TERRAP SANE0	6.447	127.44	16689.6
105140.000	VEGETAL	2.481	49.23	22219.3				
	FIRME	8.751	177.81	68717.1	D TIERRA	11.105	237.99	111518.7
	S SEL2	5.720	115.53	36063.9	SUELO EST3	5.806	117.26	45839.8
105160.000	D FIRME	5.163	103.23	32381.3	TERRAPLEN	0.592	10.75	13886.2
	EXCAVA SANE0	2.628	90.75	16140.5	TERRAP SANE0	2.628	90.75	16780.4
	VEGETAL	2.295	47.77	22267.1				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 44

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
105120.000	FIRME	7.577	163.28	68880.4	D TIERRA	4.217	153.22	111671.9	
	S SEL2	0.000	57.20	36121.1	SUELO EST3	5.107	109.13	45949.0	
	D FIRME	3.598	87.61	32468.9	TERRAPLEN	2.282	28.74	13915.0	
	EXCAVA SANE0	0.000	26.28	16166.8	TERRAP SANE0	0.000	26.28	16806.7	
	VEGETAL	2.555	48.50	22315.6					
105140.000	FIRME	7.080	146.57	69026.9	D TIERRA	2.084	63.01	111734.9	
	SUELO EST3	4.690	97.97	46047.0	D FIRME	2.799	63.97	32532.8	
	TERRAPLEN	3.150	54.32	13969.3	VEGETAL	2.722	52.77	22368.4	
105160.000	FIRME	7.462	145.42	69172.4	D TIERRA	1.129	32.14	111767.0	
	SUELO EST3	5.071	97.61	46144.6	D FIRME	3.036	58.36	32591.2	
	TERRAPLEN	2.594	57.44	14026.7	VEGETAL	2.742	54.64	22423.0	
105180.000	FIRME	7.994	154.57	69326.9	D TIERRA	1.101	22.31	111789.3	
	SUELO EST3	5.438	105.09	46249.6	D FIRME	3.322	63.58	32654.8	
	TERRAPLEN	1.517	41.11	14067.9	VEGETAL	2.697	54.39	22477.4	
105200.000	FIRME	7.599	155.93	69482.9	D TIERRA	2.118	32.20	111821.5	
	SUELO EST3	5.202	106.39	46356.0	D FIRME	3.336	66.58	32721.4	
	TERRAPLEN	1.337	28.54	14096.4	VEGETAL	2.700	53.97	22531.4	
105220.000	FIRME	9.458	170.56	69653.4	D TIERRA	4.941	70.59	111892.1	
	SUELO EST3	6.813	120.15	46476.2	D FIRME	5.021	83.57	32804.9	
	TERRAPLEN	1.159	24.96	14121.4	VEGETAL	3.205	59.05	22590.4	
105240.000	FIRME	8.126	175.84	69829.3	D TIERRA	5.153	100.94	111993.1	
	SUELO EST3	4.690	115.03	46591.2	D FIRME	3.346	83.67	32888.6	
	TERRAPLEN	0.031	11.90	14133.3	VEGETAL	2.695	59.01	22649.4	
105260.000	FIRME	7.106	152.33	69981.6	D TIERRA	6.389	115.42	112108.5	
	SUELO EST3	4.098	87.88	46679.1	D FIRME	1.988	53.35	32942.0	
	TERRAPLEN	0.031	0.61	14133.9	EXCAVA SANE0	8.294	82.94	16249.8	
105280.000	TERRAP SANE0	8.294	82.94	16889.6	VEGETAL	2.765	54.60	22704.0	
	FIRME	7.813	149.19	70130.8	D TIERRA	6.748	131.37	112239.9	
	SUELO EST3	4.706	88.04	46767.1	D FIRME	1.312	33.01	32975.0	
105300.000	TERRAPLEN	0.004	0.34	14134.2	EXCAVA SANE0	9.682	179.76	16429.5	
	TERRAP SANE0	9.682	179.76	17069.4	VEGETAL	3.522	62.87	22766.9	
	FIRME	8.182	159.94	70290.7	D TIERRA	23.585	303.34	112543.2	
105300.000	S ADECUADO	16.201	162.01	755.4	SUELO EST3	5.049	97.55	46864.7	
	D FIRME	1.331	26.43	33001.4	TERRAPLEN	0.000	0.04	14134.3	
	EXCAVA SANE0	9.751	194.33	16623.9	TERRAP SANE0	9.751	194.33	17263.7	
	VEGETAL	3.797	73.19	22840.1					

105460.000	SUELO EST3	5.977	109.26	47617.0	D FIRME	4.957	80.81	33345.6
	TERRAPLEN	0.033	0.55	14137.2	VEGETAL	2.343	48.75	23310.7
	FIRME	10.034	196.64	71699.1	D TIERRA	6.679	151.29	115509.0
	SUELO EST3	7.371	133.48	47750.5	D FIRME	4.536	94.93	33440.5
105480.000	TERRAPLEN	6.109	61.41	14198.6	VEGETAL	3.357	57.00	23367.7
	FIRME	9.791	198.25	71897.4	D TIERRA	3.531	102.10	115611.1
	SUELO EST3	7.259	146.30	47896.8	D FIRME	4.177	87.13	33527.6
	TERRAPLEN	8.120	142.29	14340.9	VEGETAL	3.259	66.16	23433.8
105500.000	FIRME	9.028	188.19	72085.6	D TIERRA	0.751	42.82	115654.0
	SUELO EST3	6.796	140.56	48037.3	D FIRME	4.280	84.57	33612.2
	TERRAPLEN	8.809	169.29	14510.2	VEGETAL	2.779	60.38	23494.2

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 46
PROYECTO :
EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

105520.000	FIRME	9.071	180.99	72266.6	D TIERRA	0.287	10.38	115664.3	
	SUELO EST3	6.923	137.19	48174.5	D FIRME	4.166	84.47	33696.7	
	TERRAPLEN	10.035	188.43	14698.6	VEGETAL	2.870	56.49	23550.7	
	FIRME	9.071	181.42	72448.0	D TIERRA	0.277	5.64	115670.0	
105540.000	SUELO EST3	6.964	138.87	48313.4	D FIRME	4.240	84.06	33780.7	
	TERRAPLEN	10.920	209.55	14908.2	VEGETAL	2.919	57.89	23608.6	
	FIRME	9.065	181.35	72629.3	D TIERRA	0.483	7.60	115677.6	
	SUELO EST3	6.973	139.37	48452.7	D FIRME	4.718	89.58	33870.3	
105560.000	TERRAPLEN	10.621	215.41	15123.6	VEGETAL	2.959	58.78	23667.4	
	FIRME	9.060	181.25	72810.6	D TIERRA	0.564	10.47	115688.0	
	SUELO EST3	6.980	139.52	48592.3	D FIRME	4.752	94.71	33965.0	
	TERRAPLEN	10.712	213.33	15336.9	VEGETAL	2.993	59.52	23726.9	
105600.000	FIRME	9.055	181.15	72991.8	D TIERRA	0.576	11.40	115699.4	
	SUELO EST3	6.998	139.77	48732.0	D FIRME	4.865	96.18	34061.2	
	TERRAPLEN	9.867	205.79	15542.7	VEGETAL	3.068	60.61	23787.5	
	FIRME	9.048	181.03	73172.8	D TIERRA	0.649	12.25	115711.7	
105620.000	SUELO EST3	6.994	139.92	48872.0	D FIRME	4.919	97.84	34159.0	
	TERRAPLEN	10.471	203.38	15746.1	VEGETAL	3.165	62.34	23849.8	
	FIRME	9.043	180.91	73353.7	D TIERRA	0.670	13.19	115724.9	
	SUELO EST3	6.990	139.84	49011.8	D FIRME	5.099	100.18	34259.2	
105640.000	TERRAPLEN	13.619	240.90	15987.0	VEGETAL	3.294	64.59	23914.4	
	FIRME	9.043	180.85	73534.5	D TIERRA	0.749	14.19	115739.1	
	SUELO EST3	6.989	139.80	49151.6	D FIRME	5.203	103.02	34362.2	
	TERRAPLEN	14.785	284.03	16271.0	VEGETAL	3.377	66.71	23981.1	
105680.000	FIRME	9.042	180.84	73715.4	D TIERRA	0.922	16.72	115755.8	
	SUELO EST3	6.989	139.78	49291.4	D FIRME	5.203	104.05	34466.3	
	TERRAPLEN	13.245	280.29	16551.3	VEGETAL	3.330	67.07	24048.2	
	FIRME	8.367	174.09	73889.5	D TIERRA	1.067	19.90	115775.7	
105700.000	SUELO EST3	6.225	132.13	49423.5	D FIRME	4.112	93.15	34559.4	
	TERRAPLEN	11.450	246.95	16798.3	VEGETAL	3.255	65.85	24114.0	
105720.000	FIRME	7.238	156.06	74045.5	D TIERRA	1.302	23.69	115799.4	
	SUELO EST3	5.138	113.63	49537.1	D FIRME	2.432	65.44	34624.9	
	TERRAPLEN	8.734	201.85	17000.1	VEGETAL	3.138	63.93	24178.0	
105740.000	FIRME	6.531	137.70	74183.2	D TIERRA	1.998	33.00	115832.4	
	SUELO EST3	4.611	97.50	49634.6	D FIRME	1.913	43.45	34668.3	
	TERRAPLEN	8.196	169.30	17169.4	VEGETAL	2.992	61.30	24239.3	

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 47
PROYECTO :
EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

105760.000	FIRME	7.354	138.85	74322.1	D TIERRA	5.735	77.33	115909.7	
	SUELO EST3	5.240	98.51	49733.1	D FIRME	1.936	38.49	34706.8	
	TERRAPLEN	8.853	170.49	17339.9	VEGETAL	3.539	65.31	24304.6	
	FIRME	7.757	151.12	74473.2	D TIERRA	7.105	128.40	116038.1	
105780.000	SUELO EST3	5.460	106.99	49840.1	D FIRME	2.296	42.32	34749.1	
	TERRAPLEN	9.419	182.72	17522.6	VEGETAL	3.596	71.35	24375.9	
	FIRME	8.175	159.33	74632.5	D TIERRA	8.244	153.49	116191.6	
	SUELO EST3	5.914	113.74	49953.9	D FIRME	3.029	53.25	34802.4	
105820.000	TERRAPLEN	9.637	190.56	17713.2	VEGETAL	3.589	71.84	24447.8	
	FIRME	10.114	182.89	74815.4	D TIERRA	10.283	185.27	116376.9	
	SUELO EST3	7.421	133.35	50087.2	D FIRME	5.364	83.93	34886.3	
	TERRAPLEN	9.725	193.62	17906.8	VEGETAL	3.526	71.15	24518.9	
105840.000	FIRME	9.735	198.49	75013.9	D TIERRA	9.589	198.73	116575.6	
	SUELO EST3	7.234	146.54	50233.8	D FIRME	5.306	106.71	34993.0	
	TERRAPLEN	8.992	187.17	18094.0	VEGETAL	3.317	68.44	24587.4	
	FIRME	8.981	187.17	75201.1	D TIERRA	8.526	181.16	116756.8	
105860.000	SUELO EST3	6.741	139.74	50373.5	D FIRME	5.263	105.69	35098.7	
	TERRAPLEN	8.119	171.12	18265.1	VEGETAL	2.875	61.93	24649.3	
	FIRME	9.034	180.15	75381.2	D TIERRA	6.753	152.79	116909.6	
	SUELO EST3	6.826	135.66	50509.2	D FIRME	5.240	105.02	35203.7	
105900.000	TERRAPLEN	8.736	168.55	18433.6	VEGETAL	2.907	57.82	24707.1	
	FIRME	9.030	180.64	75561.9	D TIERRA	6.132	128.85	117038.4	
	SUELO EST3	6.819	136.44	50645.6	D FIRME	5.265	105.04	35308.8	
	TERRAPLEN	9.669	184.05	18617.7	VEGETAL	2.854	57.61	24764.7	
105920.000	FIRME	9.026	180.56	75742.4	D TIERRA	7.926	140.59	117179.0	
	SUELO EST3	6.805	136.24	50781.8	D FIRME	5.303	105.67	35414.4	
	TERRAPLEN	8.404	180.73	18798.4	VEGETAL	2.788	56.42	24821.1	
	FIRME	9.042	180.68	75923.1	D TIERRA	8.337	162.64	117341.6	
105940.000	SUELO EST3	6.869	136.74	50918.6	D FIRME	5.296	105.98	35520.4	
	TERRAPLEN	7.188	155.92	18954.3	VEGETAL	2.786	55.74	24876.9	
	FIRME	9.042	180.84	76103.9	D TIERRA	7.171	155.08	117496.7	
	SUELO EST3	6.985	138.54	51057.1	D FIRME	5.276	105.72	35626.1	
105960.000	TERRAPLEN	6.624	138.13	19092.5	VEGETAL	2.820	56.06	24932.9	

105980.000	FIRME	9.043	180.85	76284.8	D TIERRA	7.308	144.79	117641.5
	SUELO EST3	6.984	139.68	51196.8	D FIRME	5.276	105.53	35731.7
	TERRAPLEN	7.149	137.74	19230.2	VEGETAL	2.840	56.60	24989.5

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 48
PROYECTO :
EJE: 2: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Izq.

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

106000.000	FIRME	9.041	180.84	76465.6	D TIERRA	7.040	143.48	117785.0	
	SUELO EST3	6.971	139.55	51336.4	D FIRME	5.288	105.65	35837.3	
	TERRAPLEN	6.887	140.37	19370.6	VEGETAL	2.880	57.20	25046.7	
106020.000	FIRME	9.041	180.83	76646.5	D TIERRA	7.249	142.89	117927.9	
	SUELO EST3	6.943	139.14	51475.5	D FIRME	5.283	105.71	35943.0	
	TERRAPLEN	6.144	130.31	19500.9	VEGETAL	2.802	56.82	25103.6	
106040.000	FIRME	9.042	180.84	76827.3	D TIERRA	8.008	152.57	118080.4	
	SUELO EST3	6.905	138.48	51614.0	D FIRME	5.318	106.01	36049.0	
	TERRAPLEN	4.140	102.83	19603.7	VEGETAL	2.622	54.24	25157.8	
106060.000	FIRME	9.042	180.84	77008.1	D TIERRA	8.942	169.50	118249.9	
	SUELO EST3	6.730	136.35	51750.3	D FIRME	5.311	106.29	36155.3	
	TERRAPLEN	2.729	68.68	19672.4	VEGETAL	2.428	50.50	25208.3	
106080.000	FIRME	9.263	183.05	77191.2	D TIERRA	11.410	203.52	118453.5	
	SUELO EST3	5.864	125.94	51876.3	D FIRME	5.315	106.26	36261.6	
	TERRAPLEN	0.031	27.60	19700.0	VEGETAL	2.053	44.81	25253.1	
106100.000	FIRME	9.009	182.72	77373.9	D TIERRA	14.782	261.92	118715.4	
	SUELO EST3	5.698	115.61	51991.9	D FIRME	5.317	106.32	36367.9	
	TERRAPLEN	0.034	0.65	19700.6	VEGETAL	2.031	40.84	25293.9	
106120.000	FIRME	9.104	181.13	77555.0	D TIERRA	17.961	327.43	119042.8	
	SUELO EST3	5.754	114.52	52106.4	D FIRME	5.318	106.35	36474.3	
	TERRAPLEN	0.032	0.67	19701.3	VEGETAL	2.096	41.26	25335.2	
106140.000	FIRME	9.514	186.19	77741.2	D TIERRA	19.354	373.15	119416.0	
	SUELO EST3	6.021	117.75	52224.1	D FIRME	5.321	106.38	36580.6	
	TERRAPLEN	0.031	0.63	19701.9	VEGETAL	2.278	43.73	25378.9	
106160.000	FIRME	9.458	189.72	77931.0	D TIERRA	20.783	401.37	119817.3	
	SUELO EST3	5.982	120.03	52344.2	D FIRME	5.324	106.45	36687.1	
	TERRAPLEN	0.030	0.61	19702.6	VEGETAL	2.276	45.53	25424.5	
106180.000	FIRME	9.261	187.19	78118.1	D TIERRA	21.388	421.71	120239.0	
	SUELO EST3	5.849	118.31	52462.5	D FIRME	5.306	106.31	36793.4	
	TERRAPLEN	0.034	0.65	19703.2	VEGETAL	2.207	44.82	25469.3	
106200.000	FIRME	9.325	185.86	78304.0	D TIERRA	23.378	447.66	120686.7	
	SUELO EST3	6.003	118.52	52581.0	D FIRME	5.294	106.00	36899.4	
	TERRAPLEN	0.019	0.54	19703.7	VEGETAL	2.215	44.22	25513.5	
106220.000	FIRME	9.294	186.19	78490.2	D TIERRA	23.533	469.11	121155.8	
	SUELO EST3	5.899	119.02	52700.0	D FIRME	5.289	105.83	37005.2	
	TERRAPLEN	0.019	0.39	19704.1	VEGETAL	2.222	44.37	25557.9	

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106420.000	FIRME	8.961	182.90	80382.5	D TIERRA	0.814	44.03	124173.7
	S SEL2	6.290	125.06	36672.8	SUELO EST3	6.292	125.94	53930.9
	D FIRME	4.670	97.84	38008.6	TERRAPLEN	0.311	3.33	19711.7
	EXCAVA SANE0	7.995	168.49	17587.1	TERRAP SANE0	7.995	168.49	18227.0
	VEGETAL	2.121	43.35	26027.0				
106440.000	FIRME	8.963	179.24	80561.8	D TIERRA	0.295	11.09	124184.8
	S SEL2	6.445	127.34	36800.2	SUELO EST3	6.301	125.93	54056.9
	D FIRME	4.156	88.27	38096.8	TERRAPLEN	2.345	26.55	19738.3
	EXCAVA SANE0	8.504	164.98	17752.1	TERRAP SANE0	8.504	164.99	18391.9
	VEGETAL	2.229	43.50	26070.5				
106460.000	FIRME	8.964	179.27	80741.0	D TIERRA	0.310	6.05	124190.9
	S SEL2	6.444	128.88	36929.0	SUELO EST3	6.301	126.02	54182.9
	D FIRME	4.370	85.26	38182.1	TERRAPLEN	2.501	48.46	19786.7
	EXCAVA SANE0	8.515	170.19	17922.3	TERRAP SANE0	8.515	170.19	18562.1
	VEGETAL	2.231	44.60	26115.1				
106480.000	FIRME	10.036	190.00	80931.0	D TIERRA	6.009	63.19	124254.1
	S SEL2	6.646	130.90	37059.9	SUELO EST3	6.733	130.34	54313.2
	D FIRME	4.814	91.84	38273.9	TERRAPLEN	0.000	25.01	19811.7
	EXCAVA SANE0	2.895	114.10	18036.4	TERRAP SANE0	2.895	114.10	18676.2
	VEGETAL	2.630	48.61	26163.7				
106500.000	FIRME	8.963	189.99	81121.0	D TIERRA	1.402	74.11	124328.2
	S SEL2	6.379	130.26	37190.2	SUELO EST3	6.300	130.33	54443.6
	D FIRME	5.190	100.04	38374.0	TERRAPLEN	0.979	9.79	19821.5
	EXCAVA SANE0	8.140	110.35	18146.7	TERRAP SANE0	8.140	110.35	18786.6
	VEGETAL	2.137	47.67	26211.3				
106520.000	FIRME	8.963	179.26	81300.3	D TIERRA	1.612	30.14	124358.3
	S SEL2	6.439	128.19	37318.4	SUELO EST3	6.298	125.99	54569.5
	D FIRME	5.287	104.77	38478.7	TERRAPLEN	1.024	20.03	19841.6
	EXCAVA SANE0	8.409	165.49	18312.2	TERRAP SANE0	8.409	165.49	18952.1
	VEGETAL	2.193	43.30	26254.6				
106540.000	FIRME	8.964	179.27	81479.6	D TIERRA	2.533	41.45	124399.8
	S SEL2	6.437	128.76	37447.1	SUELO EST3	6.296	125.94	54695.5
	D FIRME	5.300	105.87	38584.6	TERRAPLEN	0.970	19.94	19861.5
	EXCAVA SANE0	8.371	167.80	18480.0	TERRAP SANE0	8.371	167.80	19119.9
	VEGETAL	2.182	43.75	26298.4				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 51
PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106560.000	FIRME	8.963	179.27	81658.8	D TIERRA	3.288	58.22	124458.0
	S SEL2	6.421	128.58	37575.7	SUELO EST3	6.300	125.95	54821.4
	D FIRME	5.272	105.72	38690.3	TERRAPLEN	0.994	19.65	19881.1
	EXCAVA SANE0	8.337	167.08	18647.1	TERRAP SANE0	8.337	167.08	19287.0
	VEGETAL	2.174	43.57	26342.0				
106580.000	FIRME	8.943	179.06	81837.9	D TIERRA	6.450	97.39	124555.4
	S SEL2	6.021	124.42	37700.1	SUELO EST3	6.107	124.07	54945.5
	D FIRME	5.257	105.29	38795.6	TERRAPLEN	0.850	18.45	19899.6
	EXCAVA SANE0	7.991	163.28	18810.4	TERRAP SANE0	7.991	163.28	19450.2
	VEGETAL	2.000	41.74	26383.7				
106600.000	FIRME	8.050	169.93	82007.8	D TIERRA	6.845	132.96	124688.3
	S SEL2	5.048	110.69	37810.8	SUELO EST3	5.136	112.43	55057.9
	D FIRME	3.716	89.72	38885.3	TERRAPLEN	0.748	15.99	19915.6
	EXCAVA SANE0	3.574	115.65	18926.0	TERRAP SANE0	3.574	115.65	19565.9
	VEGETAL	2.007	40.07	26423.8				
106620.000	FIRME	8.963	170.13	82178.0	D TIERRA	6.979	138.25	124826.6
	S SEL2	6.237	112.86	37923.7	SUELO EST3	6.282	114.18	55172.1
	D FIRME	5.037	87.53	38972.9	TERRAPLEN	0.491	12.39	19928.0
	EXCAVA SANE0	8.149	117.24	19043.3	TERRAP SANE0	8.149	117.24	19683.1
	VEGETAL	2.177	41.84	26465.6				
106640.000	FIRME	7.296	162.59	82340.6	D TIERRA	5.216	121.95	124948.5
	S SEL2	4.526	107.63	38031.3	SUELO EST3	4.519	108.01	55280.1
	D FIRME	2.248	72.85	39045.7	TERRAPLEN	0.520	10.10	19938.1
	EXCAVA SANE0	8.347	164.97	19208.2	TERRAP SANE0	8.347	164.97	19848.1
	VEGETAL	2.209	43.86	26509.5				
106660.000	FIRME	6.696	139.92	82480.5	D TIERRA	5.071	102.86	125051.4
	S SEL2	4.128	86.54	38117.9	SUELO EST3	4.140	86.59	55366.7
	D FIRME	1.675	39.23	39085.0	TERRAPLEN	0.428	9.48	19947.6
	EXCAVA SANE0	8.258	166.05	19374.3	TERRAP SANE0	8.258	166.05	20014.2
	VEGETAL	2.192	44.01	26553.5				
106680.000	FIRME	6.582	132.78	82613.3	D TIERRA	5.120	101.91	125153.3
	S SEL2	4.167	82.95	38200.8	SUELO EST3	4.149	82.89	55449.6
	D FIRME	1.677	33.52	39118.5	TERRAPLEN	0.370	7.99	19955.5
	EXCAVA SANE0	8.354	166.12	19540.4	TERRAP SANE0	8.354	166.12	20180.3
	VEGETAL	2.206	43.98	26597.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 52
PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106700.000	FIRME	6.659	132.41	82745.7	D TIERRA	5.622	107.43	125260.7
	S SEL2	4.219	83.86	38284.7	SUELO EST3	4.229	83.78	55533.4
	D FIRME	1.804	34.80	39153.3	TERRAPLEN	0.305	6.75	19962.3
	EXCAVA SANE0	8.294	166.48	19706.9	TERRAP SANE0	8.294	166.48	20346.8
	VEGETAL	2.200	44.06	26641.5				
106720.000	FIRME	6.624	132.83	82878.5	D TIERRA	5.682	113.04	125373.8
	S SEL2	4.155	83.74	38368.4	SUELO EST3	4.186	84.15	55617.5
	D FIRME	1.761	35.64	39188.9	TERRAPLEN	0.123	4.28	19966.6

106740.000	EXCAVA SANE0	8.185	164.79	19871.7	TERRAP SANE0	8.185	164.79	20511.5
	VEGETAL	2.180	43.80	26685.3				
	FIRME	7.060	136.84	83015.4	D TIERRA	5.245	109.26	125483.0
	S SEL2	4.257	84.12	38452.5	SUELO EST3	4.305	84.91	55702.5
	D FIRME	1.940	37.01	39225.9	TERRAPLEN	0.139	2.62	19969.2
	EXCAVA SANE0	8.151	163.36	20035.0	TERRAP SANE0	8.151	163.36	20674.9
	VEGETAL	2.176	43.56	26728.9				
106760.000	FIRME	8.127	151.87	83167.2	D TIERRA	4.967	102.12	125585.1
	S SEL2	5.209	94.66	38547.2	SUELO EST3	5.269	95.75	55798.2
	D FIRME	3.452	53.92	39279.8	TERRAPLEN	0.168	3.07	19972.3
	EXCAVA SANE0	8.111	162.63	20197.7	TERRAP SANE0	8.111	162.63	20837.5
	VEGETAL	2.173	43.49	26772.4				
106780.000	FIRME	8.962	170.90	83338.1	D TIERRA	6.088	110.55	125695.7
	S SEL2	6.179	113.88	38661.1	SUELO EST3	6.251	115.20	55913.4
	D FIRME	5.010	84.62	39364.5	TERRAPLEN	0.359	5.28	19977.5
	EXCAVA SANE0	8.037	161.49	20359.1	TERRAP SANE0	8.037	161.49	20999.0
	VEGETAL	2.162	43.35	26815.7				
106800.000	FIRME	8.144	171.07	83509.2	D TIERRA	5.226	113.14	125808.8
	S SEL2	5.304	114.83	38775.9	SUELO EST3	5.383	116.34	56029.7
	D FIRME	3.681	86.91	39451.4	TERRAPLEN	0.402	7.61	19985.2
	EXCAVA SANE0	7.977	160.14	20519.3	TERRAP SANE0	7.977	160.14	21159.2
	VEGETAL	2.151	43.13	26858.8				
106820.000	FIRME	8.249	163.93	83673.1	D TIERRA	5.426	106.52	125915.4
	S SEL2	5.391	106.95	38882.8	SUELO EST3	5.461	108.44	56138.2
	D FIRME	3.886	75.67	39527.0	TERRAPLEN	0.325	7.27	19992.4
	EXCAVA SANE0	7.872	158.49	20677.8	TERRAP SANE0	7.872	158.49	21317.7
	VEGETAL	2.119	42.70	26901.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 53
PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106840.000	FIRME	7.213	154.62	83827.7	D TIERRA	4.562	99.88	126015.2
	S SEL2	4.414	98.04	38980.9	SUELO EST3	4.495	99.56	56237.7
	D FIRME	2.409	62.95	39590.0	TERRAPLEN	0.403	7.28	19999.7
	EXCAVA SANE0	7.784	156.56	20834.3	TERRAP SANE0	7.784	156.56	21474.2
	VEGETAL	2.104	42.22	26943.8				
106860.000	FIRME	6.779	139.91	83967.7	D TIERRA	5.012	95.75	126111.0
	S SEL2	4.229	86.43	39067.3	SUELO EST3	4.315	88.10	56325.8
	D FIRME	2.112	45.21	39635.2	TERRAPLEN	0.316	7.19	20006.9
	EXCAVA SANE0	7.796	155.80	20990.1	TERRAP SANE0	7.796	155.80	21630.0
	VEGETAL	2.113	42.17	26985.9				
106880.000	FIRME	7.036	138.14	84105.8	D TIERRA	5.537	105.49	126216.5
	S SEL2	4.453	86.82	39154.1	SUELO EST3	4.541	88.56	56414.4
	D FIRME	2.497	46.09	39681.3	TERRAPLEN	0.218	5.33	20012.2
	EXCAVA SANE0	7.754	155.50	21145.6	TERRAP SANE0	7.754	155.50	21785.5
	VEGETAL	2.109	42.23	27028.2				
106900.000	FIRME	7.617	146.52	84252.3	D TIERRA	6.382	119.18	126335.7
	S SEL2	5.066	95.19	39249.3	SUELO EST3	5.154	96.95	56511.3
	D FIRME	3.482	59.79	39741.1	TERRAPLEN	0.266	4.84	20017.1
	EXCAVA SANE0	8.475	162.29	21307.9	TERRAP SANE0	8.475	162.29	21947.8
	VEGETAL	2.119	42.28	27070.4				
106920.000	FIRME	6.270	138.87	84391.2	D TIERRA	5.175	115.56	126451.2
	S SEL2	3.993	90.59	39339.9	SUELO EST3	4.080	92.34	56603.7
	D FIRME	1.817	52.99	39794.1	TERRAPLEN	0.234	5.00	20022.1
	EXCAVA SANE0	8.450	169.24	21477.2	TERRAP SANE0	8.450	169.24	22117.0
	VEGETAL	2.115	42.33	27112.8				
106940.000	FIRME	6.543	128.13	84519.3	D TIERRA	5.184	103.59	126554.8
	S SEL2	3.989	79.82	39419.7	SUELO EST3	4.077	81.57	56685.3
	D FIRME	1.810	36.27	39830.3	TERRAPLEN	0.196	4.29	20026.4
	EXCAVA SANE0	8.442	168.92	21646.1	TERRAP SANE0	8.442	168.92	22286.0
	VEGETAL	2.112	42.27	27155.0				
106960.000	FIRME	6.849	133.92	84653.2	D TIERRA	5.278	104.62	126659.4
	S SEL2	3.981	79.71	39499.4	SUELO EST3	4.071	81.48	56766.7
	D FIRME	1.802	36.12	39866.5	TERRAPLEN	0.307	5.03	20031.4
	EXCAVA SANE0	8.431	168.73	21814.8	TERRAP SANE0	8.431	168.73	22454.7
	VEGETAL	2.110	42.22	27197.3				

107060.000	EXCAVA SANE0	8.252	166.19	22483.5	TERRAP SANE0	8.252	166.19	23123.4
	VEGETAL	2.209	44.27	27371.0				
	FIRME	8.102	171.15	85452.3	D TIERRA	4.075	98.89	127153.4
	S SEL2	5.581	119.13	40025.9	SUELO EST3	5.508	119.03	57296.8
	D FIRME	3.699	88.31	40218.8	TERRAPLEN	0.268	8.29	20079.3
107080.000	EXCAVA SANE0	8.715	169.66	22653.1	TERRAP SANE0	8.715	169.66	23293.0
	VEGETAL	2.281	44.90	27415.9				
	FIRME	9.018	171.20	85623.5	D TIERRA	5.476	95.51	127248.9
	S SEL2	6.554	121.35	40147.3	SUELO EST3	6.451	119.60	57416.4
	D FIRME	5.183	88.82	40307.7	TERRAPLEN	0.209	4.77	20084.1
107100.000	EXCAVA SANE0	8.809	175.24	22828.4	TERRAP SANE0	8.809	175.24	23468.3
	VEGETAL	2.296	45.77	27461.7				
	FIRME	7.514	165.32	85788.8	D TIERRA	3.604	90.80	127339.7
	S SEL2	4.920	114.73	40262.0	SUELO EST3	4.864	113.15	57529.5
	D FIRME	2.696	78.79	40386.4	TERRAPLEN	0.258	4.67	20088.7
	EXCAVA SANE0	8.649	174.58	23003.0	TERRAP SANE0	8.649	174.58	23642.8
	VEGETAL	2.270	45.66	27507.3				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 55

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107120.000	FIRME	7.964	154.78	85943.6		D TIERRA	4.618	82.22	127422.0	
	S SEL2	5.489	104.08	40366.1		SUELO EST3	5.401	102.65	57632.2	
	D FIRME	3.536	62.32	40448.8		TERRAPLEN	0.169	4.27	20093.0	
	EXCAVA SANE0	8.762	174.12	23177.1		TERRAP SANE0	8.762	174.12	23817.0	
	VEGETAL	2.289	45.59	27552.9						
107140.000	FIRME	7.320	152.84	86096.4		D TIERRA	4.773	93.90	127515.9	
	S SEL2	4.871	103.60	40469.7		SUELO EST3	4.802	102.03	57734.2	
	D FIRME	2.572	61.09	40509.9		TERRAPLEN	0.060	2.29	20095.3	
	EXCAVA SANE0	8.712	174.74	23351.8		TERRAP SANE0	8.712	174.74	23991.7	
	VEGETAL	2.288	45.77	27598.7						
107160.000	FIRME	7.814	151.34	86247.8		D TIERRA	5.392	101.64	127617.5	
	S SEL2	5.460	103.30	40573.0		SUELO EST3	5.415	102.17	57836.4	
	D FIRME	3.562	61.34	40571.2		TERRAPLEN	0.138	1.98	20097.3	
	EXCAVA SANE0	8.519	172.30	23524.1		TERRAP SANE0	8.519	172.30	24164.0	
	VEGETAL	2.265	45.54	27644.2						
107180.000	FIRME	6.084	138.97	86386.7		D TIERRA	5.111	105.03	127722.5	
	S SEL2	3.508	89.67	40662.6		SUELO EST3	3.577	89.92	57926.3	
	D FIRME	1.837	53.99	40625.2		TERRAPLEN	0.021	1.59	20098.9	
	EXCAVA SANE0	0.000	85.19	23609.3		TERRAP SANE0	0.000	85.19	24249.2	
	VEGETAL	1.811	40.76	27685.0						
107200.000	FIRME	5.972	120.55	86507.3		D TIERRA	4.648	97.60	127820.1	
	S SEL2	3.515	70.23	40732.9		SUELO EST3	3.610	71.87	57998.2	
	D FIRME	1.832	36.69	40661.9		TERRAPLEN	0.042	0.63	20099.5	
	VEGETAL	1.910	37.21	27722.2						
	FIRME	6.264	122.36	86629.7		D TIERRA	6.271	109.20	127929.3	
107220.000	S SEL2	4.378	78.93	40811.8		SUELO EST3	4.410	80.20	58078.4	
	D FIRME	2.032	38.64	40700.5		TERRAPLEN	0.437	4.79	20104.3	
	VEGETAL	2.265	41.75	27763.9						
	FIRME	6.805	130.68	86760.3		D TIERRA	8.179	144.50	128073.8	
	S SEL2	4.661	90.39	40902.2		SUELO EST3	4.748	91.58	58170.0	
107240.000	D FIRME	2.690	47.22	40747.7		TERRAPLEN	0.371	8.09	20112.4	
	VEGETAL	2.213	44.79	27808.7						
	FIRME	7.676	144.80	86905.1		D TIERRA	9.365	175.43	128249.3	
	S SEL2	5.476	101.36	41003.5		SUELO EST3	5.539	102.87	58272.8	
	D FIRME	3.737	64.27	40812.0		TERRAPLEN	0.401	7.72	20120.1	
	VEGETAL	2.285	44.98	27853.7						

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 56

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107280.000	FIRME	9.038		167.14	87072.3	D TIERRA	11.646		210.10	128459.4
	S SEL2	6.434		119.10	41122.6	SUELO EST3	6.508		120.47	58393.3
	D FIRME	5.175		89.12	40901.1	TERRAPLEN	0.380		7.81	20127.9
	VEGETAL	2.287		45.72	27899.4					
107300.000	FIRME	9.039		180.77	87253.0	D TIERRA	12.339		239.85	128699.2
	S SEL2	6.416		128.50	41251.1	SUELO EST3	6.498		130.05	58523.4
	D FIRME	5.176		103.51	41004.6	TERRAPLEN	0.325		7.04	20135.0
	VEGETAL	2.282		45.70	27945.1					
107320.000	FIRME	9.040		180.79	87433.8	D TIERRA	13.052		253.91	128953.1
	S SEL2	6.397		128.13	41379.3	SUELO EST3	6.483		129.81	58653.2
	D FIRME	5.189		103.65	41108.3	TERRAPLEN	0.274		5.98	20140.9
	VEGETAL	2.272		45.54	27990.7					
107340.000	FIRME	9.040		180.80	87614.6	D TIERRA	13.844		268.97	129222.1
	S SEL2	6.384		127.81	41507.1	SUELO EST3	6.470		129.53	58782.7
	D FIRME	5.146		103.35	41211.6	TERRAPLEN	0.288		5.61	20146.6
	VEGETAL	2.285		45.57	28036.3					
107360.000	FIRME	9.039		180.79	87795.4	D TIERRA	14.489		283.34	129505.4
	S SEL2	6.381		127.65	41634.7	SUELO EST3	6.468		129.38	58912.1
	D FIRME	5.168		103.14	41314.8	TERRAPLEN	0.273		5.60	20152.2
	VEGETAL	2.276		45.61	28081.9					
107380.000	FIRME	9.037		180.75	87976.2	D TIERRA	15.111		296.00	129801.4
	S SEL2	6.383		127.64	41762.4	SUELO EST3	6.469		129.38	59041.4
	D FIRME	5.186		103.53	41418.3	TERRAPLEN	0.198		4.71	20156.9
	VEGETAL	2.270		45.46	28127.3					
107400.000	FIRME	9.030		180.67	88156.9	D TIERRA	15.600		307.11	130108.5
	S SEL2	6.383		127.67	41890.0	SUELO EST3	6.470		129.40	59170.8
	D FIRME	5.196		103.82	41522.1	TERRAPLEN	0.139		3.37	20160.2

107420.000	VEGETAL	2.266	45.36	28172.7				
	FIRME	9.023	180.53	88337.4	D TIERRA	15.998	315.98	130424.5
	S SEL2	6.391	127.75	42017.8	SUELO EST3	6.475	129.45	59300.3
	D FIRME	5.203	103.99	41626.1	TERRAPLEN	0.092	2.32	20162.6
	VEGETAL	2.268	45.35	28218.0				
107440.000	FIRME	9.022	180.44	88517.8	D TIERRA	16.056	320.54	130745.0
	S SEL2	6.413	128.04	42145.8	SUELO EST3	6.497	129.73	59430.0
	D FIRME	5.203	104.06	41730.2	TERRAPLEN	0.030	1.22	20163.8
	VEGETAL	2.283	45.52	28263.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 57

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107460.000	FIRME	9.011		180.33	88698.2	D TIERRA	15.424		314.79	131059.8
	S SEL2	6.424		128.37	42274.2	SUELO EST3	6.505		130.03	59560.0
	D FIRME	5.201		104.04	41834.2	TERRAPLEN	0.114		1.44	20165.2
	VEGETAL	2.291		45.74	28309.3					
107480.000	FIRME	9.011		180.23	88878.4	D TIERRA	13.209		286.33	131346.2
	S SEL2	6.454		128.77	42403.0	SUELO EST3	6.530		130.36	59690.4
	D FIRME	5.190		103.91	41938.1	TERRAPLEN	0.238		3.53	20168.7
	VEGETAL	2.315		46.06	28355.3					
107500.000	FIRME	9.006		180.18	89058.6	D TIERRA	13.040		262.49	131608.7
	S SEL2	6.480		129.34	42532.3	SUELO EST3	6.549		130.80	59821.2
	D FIRME	5.177		103.67	42041.8	TERRAPLEN	0.350		5.89	20174.6
	VEGETAL	2.338		46.53	28401.9					
107520.000	FIRME	9.002		180.08	89238.6	D TIERRA	12.934		259.74	131868.4
	S SEL2	6.510		129.90	42662.2	SUELO EST3	6.572		131.21	59952.4
	D FIRME	5.179		103.55	42145.4	TERRAPLEN	0.345		6.96	20181.6
	VEGETAL	2.356		46.94	28448.8					
107540.000	FIRME	8.999		180.00	89418.6	D TIERRA	12.789		257.23	132125.6
	S SEL2	6.541		130.51	42792.7	SUELO EST3	6.595		131.67	60084.1
	D FIRME	5.197		103.76	42249.1	TERRAPLEN	0.354		6.99	20188.6
	VEGETAL	2.372		47.28	28496.1					
107560.000	FIRME	8.996		179.95	89598.6	D TIERRA	12.485		252.74	132378.4
	S SEL2	6.577		131.18	42923.9	SUELO EST3	6.615		132.10	60216.2
	D FIRME	5.194		103.91	42353.0	TERRAPLEN	0.368		7.21	20195.8
	VEGETAL	2.396		47.68	28543.8					
107580.000	FIRME	8.995		179.91	89778.5	D TIERRA	12.082		245.67	132624.0
	S SEL2	6.613		131.90	43055.8	SUELO EST3	6.637		132.52	60348.7
	D FIRME	5.182		103.76	42456.8	TERRAPLEN	0.412		7.79	20203.6
	VEGETAL	2.425		48.21	28592.0					
107600.000	FIRME	8.995		179.90	89958.4	D TIERRA	12.142		242.24	132866.3
	S SEL2	6.647		132.60	43188.4	SUELO EST3	6.657		132.94	60481.6
	D FIRME	5.196		103.78	42560.6	TERRAPLEN	0.443		8.54	20212.1
	VEGETAL	2.443		48.68	28640.7					
107620.000	FIRME	8.995		179.89	90138.3	D TIERRA	11.974		241.16	133107.4
	S SEL2	6.684		133.31	43321.7	SUELO EST3	6.676		133.33	60615.0
	D FIRME	5.208		104.04	42664.6	TERRAPLEN	0.466		9.08	20221.2
	VEGETAL	2.462		49.05	28689.7					

VEGETAL 2.639 52.59 29151.5

Istram 18.05.05.29 17/07/18 18:00:38 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.

pagina 59

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107820.000	FIRME	7.368	144.09	91645.6	D TIERRA	8.821	159.73	134873.4	
	S SEL2	5.221	107.58	44469.7	SUELO EST3	5.375	107.43	61746.1	
	D FIRME	3.444	65.10	43377.2	TERRAPLEN	0.030	13.34	20351.6	
	VEGETAL	2.338	49.77	29201.3					
107840.000	FIRME	7.260	146.29	91791.9	D TIERRA	14.099	229.20	135102.6	
	S SEL2	4.937	101.58	44571.3	SUELO EST3	5.070	104.45	61850.6	
	D FIRME	2.069	55.13	43432.3	TERRAPLEN	0.053	0.83	20352.5	
	VEGETAL	3.194	55.32	29256.6					
107860.000	FIRME	7.118	143.78	91935.7	D TIERRA	7.024	211.23	135313.8	
	S SEL2	5.063	99.99	44671.3	SUELO EST3	4.840	99.09	61949.7	
	D FIRME	2.020	40.88	43473.2	TERRAPLEN	1.504	15.57	20368.0	
	EXCAVA SANE0	11.868	118.68	23728.0	TERRAP SANE0	11.868	118.68	24367.9	
107880.000	VEGETAL	2.808	60.02	29316.6					
	FIRME	8.159	152.78	92088.5	D TIERRA	5.551	125.74	135439.6	
	S SEL2	6.192	112.55	44783.8	SUELO EST3	5.952	107.92	62057.6	
	D FIRME	3.913	59.33	43532.5	TERRAPLEN	1.801	33.05	20401.1	
107900.000	EXCAVA SANE0	10.563	224.30	23952.3	TERRAP SANE0	10.563	224.30	24592.2	
	VEGETAL	2.661	54.69	29371.3					
	FIRME	9.042	172.01	92260.5	D TIERRA	6.403	119.54	135559.1	
	S SEL2	7.240	134.32	44918.1	SUELO EST3	6.962	129.14	62186.7	
107920.000	D FIRME	5.414	93.27	43625.8	TERRAPLEN	2.108	39.10	20440.2	
	EXCAVA SANE0	10.832	213.95	24166.3	TERRAP SANE0	10.832	213.95	24806.1	
	VEGETAL	2.699	53.60	29424.9					
	FIRME	9.042	180.84	92441.3	D TIERRA	5.087	114.90	135674.0	
107940.000	S SEL2	7.326	145.66	45063.8	SUELO EST3	6.988	139.49	62326.2	
	D FIRME	5.403	108.17	43733.9	TERRAPLEN	2.778	48.86	20489.0	
	EXCAVA SANE0	11.101	219.33	24385.6	TERRAP SANE0	11.101	219.33	25025.5	
	VEGETAL	2.740	54.39	29479.3					
107960.000	FIRME	9.042	180.84	92622.2	D TIERRA	4.168	92.55	135766.6	
	S SEL2	7.357	146.83	45210.6	SUELO EST3	6.989	139.77	62466.0	
	D FIRME	5.391	107.93	43841.9	TERRAPLEN	3.708	64.86	20553.9	
	EXCAVA SANE0	11.212	223.13	24608.7	TERRAP SANE0	11.212	223.13	25248.6	
	VEGETAL	2.758	54.98	29534.3					
	FIRME	9.042	180.84	92803.0	D TIERRA	3.632	78.00	135844.6	
	S SEL2	7.377	147.34	45358.0	SUELO EST3	6.990	139.78	62605.8	
	D FIRME	5.390	107.80	43949.7	TERRAPLEN	4.163	78.71	20632.6	
	EXCAVA SANE0	11.281	224.93	24833.6	TERRAP SANE0	11.281	224.93	25473.5	
	VEGETAL	2.766	55.24	29589.5					

Istram 18.05.05.29 17/07/18 18:00:38 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.

pagina 60

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107980.000	FIRME	9.042	180.84	92983.8	D TIERRA	3.188	68.20	135912.8	
	S SEL2	7.453	148.30	45506.3	SUELO EST3	6.990	139.79	62745.6	
	D FIRME	5.386	107.75	44057.4	TERRAPLEN	7.851	120.13	20752.7	
	EXCAVA SANE0	12.331	236.11	25069.8	TERRAP SANE0	12.331	236.11	25709.6	
108000.000	VEGETAL	3.009	57.75	29647.3					
	FIRME	9.042	180.84	93164.7	D TIERRA	3.454	66.42	135979.2	
	S SEL2	7.359	148.12	45654.4	SUELO EST3	6.988	139.77	62885.4	
	D FIRME	5.397	107.82	44165.3	TERRAPLEN	4.936	127.86	20880.6	
108020.000	EXCAVA SANE0	11.212	235.43	25305.2	TERRAP SANE0	11.212	235.43	25945.1	
	VEGETAL	2.749	57.58	29704.9					
	FIRME	9.041	180.83	93345.5	D TIERRA	2.934	63.88	136043.1	
	S SEL2	7.383	147.41	45801.8	SUELO EST3	6.988	139.75	63025.1	
108040.000	D FIRME	5.403	107.99	44273.2	TERRAPLEN	5.176	101.11	20981.7	
	EXCAVA SANE0	11.294	225.06	25530.3	TERRAP SANE0	11.294	225.06	26170.1	
	VEGETAL	2.759	55.09	29760.0					
	FIRME	9.042	180.83	93526.3	D TIERRA	2.751	56.85	136099.9	
108060.000	S SEL2	7.272	146.55	45948.4	SUELO EST3	6.983	139.71	63164.8	
	D FIRME	5.352	107.55	44380.8	TERRAPLEN	5.333	105.09	21086.8	
	EXCAVA SANE0	11.033	223.27	25753.5	TERRAP SANE0	11.033	223.27	26393.4	
	VEGETAL	2.721	54.80	29814.8					
108080.000	FIRME	9.041	180.83	93707.2	D TIERRA	2.019	47.70	136147.6	
	S SEL2	7.254	145.26	46093.6	SUELO EST3	6.983	139.66	63304.5	
	D FIRME	5.348	107.00	44487.8	TERRAPLEN	5.750	110.83	21197.6	
	EXCAVA SANE0	10.989	220.22	25973.7	TERRAP SANE0	10.989	220.22	26613.6	
108100.000	VEGETAL	2.710	54.30	29869.1					
	FIRME	9.042	180.83	93888.0	D TIERRA	1.315	33.34	136181.0	
	S SEL2	7.245	144.99	46238.6	SUELO EST3	6.972	139.55	63444.0	
	D FIRME	5.351	106.99	44594.8	TERRAPLEN	5.598	113.48	21311.1	
	EXCAVA SANE0	10.959	219.48	26193.2	TERRAP SANE0	10.959	219.48	26833.1	
	VEGETAL	2.699	54.09	29923.1					
	FIRME	9.041	180.83	94068.8	D TIERRA	0.440	17.55	136198.5	
	S SEL2	7.235	144.80	46383.4	SUELO EST3	6.976	139.49	63583.5	
	D FIRME	5.083	104.34	44699.1	TERRAPLEN	5.374	109.72	21420.8	
	EXCAVA SANE0	10.918	218.76	26412.0	TERRAP SANE0	10.918	218.76	27051.9	
	VEGETAL	2.688	53.87	29977.0					

Istram 18.05.05.29 17/07/18 18:00:38 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.

pagina 61

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108120.000	FIRME	9.041	180.83	94249.6	D TIERRA	0.615	10.55	136209.1
	S SEL2	7.223	144.58	46528.0	SUELO EST3	6.972	139.48	63723.0
	D FIRME	4.642	97.25	44796.4	TERRAPLEN	5.012	103.87	21524.7
	EXCAVA SANE0	10.847	217.65	26629.6	TERRAP SANE0	10.847	217.65	27269.5
108140.000	VEGETAL	2.670	53.58	30030.6				
	FIRME	9.041	180.83	94430.5	D TIERRA	0.212	8.27	136217.3
	S SEL2	7.313	145.36	46673.3	SUELO EST3	6.969	139.41	63862.4
	D FIRME	4.540	91.83	44888.2	TERRAPLEN	8.055	130.67	21655.4
108160.000	EXCAVA SANE0	11.465	223.12	26852.7	TERRAP SANE0	11.465	223.12	27492.6
	VEGETAL	2.803	54.73	30085.3				
	FIRME	9.042	180.83	94611.3	D TIERRA	0.315	5.27	136222.6
	S SEL2	7.298	146.11	46819.4	SUELO EST3	6.963	139.32	64001.7
108180.000	D FIRME	4.667	92.08	44980.3	TERRAPLEN	7.658	157.13	21812.5
	EXCAVA SANE0	11.344	228.09	27080.8	TERRAP SANE0	11.344	228.09	27720.7
	VEGETAL	2.774	55.77	30141.1				
	FIRME	9.042	180.83	94792.1	D TIERRA	0.526	8.40	136231.0
108200.000	S SEL2	7.183	144.81	46964.3	SUELO EST3	6.959	139.22	64140.9
	D FIRME	4.770	94.37	45074.7	TERRAPLEN	5.613	132.71	21945.2
	EXCAVA SANE0	10.709	220.53	27301.4	TERRAP SANE0	10.709	220.53	27941.2
	VEGETAL	2.636	54.10	30195.2				
108220.000	FIRME	9.042	180.84	94973.0	D TIERRA	0.373	8.98	136240.0
	S SEL2	7.269	144.52	47108.8	SUELO EST3	6.955	139.14	64280.1
	D FIRME	4.800	95.70	45170.4	TERRAPLEN	7.245	128.58	22073.8
	EXCAVA SANE0	11.208	219.17	27520.5	TERRAP SANE0	11.208	219.17	28160.4
108240.000	VEGETAL	2.742	53.78	30249.0				
	FIRME	9.042	180.84	95153.8	D TIERRA	0.277	6.50	136246.5
	S SEL2	7.256	145.25	47254.0	SUELO EST3	6.951	139.06	64419.1
	D FIRME	4.787	95.87	45266.2	TERRAPLEN	7.631	148.77	22222.5
	EXCAVA SANE0	11.338	225.46	27746.0	TERRAP SANE0	11.338	225.46	28385.9
	VEGETAL	2.773	55.15	30304.1				
	FIRME	9.042	180.84	95334.7	D TIERRA	0.185	4.62	136251.1
	S SEL2	7.244	145.00	47399.0	SUELO EST3	6.948	138.99	64558.1
	D FIRME	4.892	96.78	45363.0	TERRAPLEN	8.059	156.91	22379.5
	EXCAVA SANE0	11.455	227.93	27973.9	TERRAP SANE0	11.455	227.93	28613.8
	VEGETAL	2.800	55.74	30359.9				

Istram 18.05.05.29 17/07/18 18:00:38 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.

pagina 62

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108260.000	FIRME		9.042	180.84	95515.5	D TIERRA		0.092	2.77	136253.9
	S SEL2		7.234	144.78	47543.8	SUELO EST3		6.944	138.92	64697.0
	D FIRME		4.326	92.18	45455.2	TERRAPLEN		8.521	165.80	22545.3
	EXCAVA SANE0		11.592	230.47	28204.4	TERRAP SANE0		11.592	230.47	28844.3
108280.000	VEGETAL		2.833	56.33	30416.2					
	FIRME		9.042	180.84	95696.3	D TIERRA		0.045	1.37	136255.2
	S SEL2		7.225	144.59	47688.4	SUELO EST3		6.940	138.83	64835.9
	D FIRME		3.735	80.62	45535.8	TERRAPLEN		10.221	187.42	22732.7
108300.000	EXCAVA SANE0		12.062	236.54	28440.9	TERRAP SANE0		12.062	236.54	29080.8
	VEGETAL		2.943	57.76	30474.0					
	FIRME		9.041	180.83	95877.2	D TIERRA		0.019	0.64	136255.9
	S SEL2		7.213	144.38	47832.8	SUELO EST3		6.941	138.80	64974.7
108320.000	D FIRME		3.026	67.61	45603.4	TERRAPLEN		10.698	209.19	22941.9
	EXCAVA SANE0		12.014	240.75	28681.7	TERRAP SANE0		12.014	240.76	29321.6
	VEGETAL		2.932	58.75	30532.7					
	FIRME		9.042	180.83	96058.0	D TIERRA		0.004	0.23	136256.1
108340.000	S SEL2		7.206	144.19	47977.0	SUELO EST3		6.935	138.76	65113.4
	D FIRME		2.259	52.84	45656.3	TERRAPLEN		10.650	213.48	23155.3
	EXCAVA SANE0		12.011	240.25	28921.9	TERRAP SANE0		12.011	240.25	29561.8
	VEGETAL		2.931	58.63	30591.3					
108360.000	FIRME		9.042	180.84	96238.8	D TIERRA		0.000	0.04	136256.1
	S SEL2		7.200	144.06	48121.0	SUELO EST3		6.930	138.65	65252.1
	D FIRME		1.452	37.11	45693.4	TERRAPLEN		10.337	209.87	23365.2
	EXCAVA SANE0		11.945	239.56	29161.5	TERRAP SANE0		11.945	239.56	29801.4
108380.000	VEGETAL		2.916	58.47	30649.8					
	FIRME		9.042	180.84	96419.7	S SEL2		7.196	143.96	48265.0
	SUELO EST3		6.930	138.60	45390.7	D FIRME		1.263	27.15	45720.5
	TERRAPLEN		10.579	209.16	23574.4	EXCAVA SANE0		11.904	238.49	29400.0
108400.000	TERRAP SANE0		11.904	238.49	30039.9	VEGETAL		2.906	58.22	30708.0
	FIRME		9.041	180.83	96600.5	S SEL2		7.191	143.87	48408.9
	SUELO EST3		6.929	138.58	45529.3	D FIRME		1.350	26.13	45746.6
	TERRAPLEN		10.252	208.31	23782.7	EXCAVA SANE0		11.879	237.82	29637.8
108420.000	TERRAP SANE0		11.879	237.83	30277.7	VEGETAL		2.900	58.06	30766.1
	FIRME		9.042	180.83	96781.3	S SEL2		7.187	143.77	48552.6
	SUELO EST3		6.926	138.54	45667.8	D FIRME		1.544	28.94	45775.6
	TERRAPLEN		9.781	200.33	23983.0	EXCAVA SANE0		11.815	236.94	29874.7
108440.000	TERRAP SANE0		11.815	236.94	30514.6	VEGETAL		2.885	57.85	30823.9

108440.000	FIRME	9.042	180.83	97143.0	D TIERRA	0.002	0.03	136256.2
	S SEL2	7.183	143.65	48840.0	SUELO EST3	6.922	138.47	65944.8
	D FIRME	1.748	34.23	45842.0	TERRAPLEN	8.609	179.23	24353.2
	EXCAVA SANE0	11.694	234.54	30345.0	TERRAP SANE0	11.694	234.54	30984.9
108460.000	VEGETAL	2.857	57.29	30938.8				
	FIRME	9.042	180.84	97323.8	D TIERRA	0.004	0.06	136256.3
	S SEL2	7.180	143.63	48983.6	SUELO EST3	6.922	138.45	66083.2
	D FIRME	1.876	36.24	45878.2	TERRAPLEN	8.747	173.56	24526.7
108480.000	EXCAVA SANE0	11.629	233.22	30578.3	TERRAP SANE0	11.629	233.22	31218.1
	VEGETAL	2.841	56.98	30995.8				
	FIRME	9.042	180.84	97504.7	D TIERRA	0.003	0.06	136256.3
	S SEL2	7.178	143.58	49127.2	SUELO EST3	6.922	138.44	66221.7
108500.000	D FIRME	1.826	37.02	45915.3	TERRAPLEN	8.572	173.19	24699.9
	EXCAVA SANE0	11.539	231.67	30809.9	TERRAP SANE0	11.539	231.67	31449.8
	VEGETAL	2.820	56.62	31052.4				
	FIRME	9.042	180.84	97685.5	D TIERRA	0.004	0.07	136256.4
108520.000	S SEL2	7.176	143.54	49270.7	SUELO EST3	6.921	138.42	66360.1
	D FIRME	2.060	38.86	45954.1	TERRAPLEN	8.747	173.19	24873.1
	EXCAVA SANE0	11.462	230.00	31039.9	TERRAP SANE0	11.462	230.00	31679.8
	VEGETAL	2.802	56.22	31108.6				
108540.000	FIRME	9.042	180.84	97866.4	D TIERRA	0.011	0.16	136256.5
	S SEL2	7.168	143.44	49414.2	SUELO EST3	6.926	138.46	66498.6
	D FIRME	2.455	45.14	45999.3	TERRAPLEN	8.543	172.90	25046.0
	EXCAVA SANE0	11.403	228.64	31268.6	TERRAP SANE0	11.403	228.64	31908.5
108560.000	VEGETAL	2.788	55.90	31164.5				
	FIRME	9.041	180.83	98047.2	D TIERRA	0.028	0.39	136256.9
	S SEL2	7.169	143.38	49557.5	SUELO EST3	6.922	138.47	66637.0
	D FIRME	2.966	54.21	46053.5	TERRAPLEN	8.064	166.07	25212.1
108580.000	EXCAVA SANE0	11.355	227.57	31496.1	TERRAP SANE0	11.355	227.58	32136.0
	VEGETAL	2.777	55.65	31220.2				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 64

PROYECTO :
EJE: 2: Autov de Castilla A-62: Dues-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108560.000	FIRME	9.042	180.83	98228.0	D TIERRA	0.052	0.79	136257.7
	S SEL2	7.169	143.38	49700.9	SUELO EST3	6.918	138.40	66775.4
	D FIRME	3.452	64.18	46117.6	TERRAPLEN	7.573	156.37	25368.5
	EXCAVA SANE0	11.313	226.67	31722.8	TERRAP SANE0	11.313	226.67	32362.7
108580.000	VEGETAL	2.767	55.44	31275.6				
	FIRME	9.042	180.84	98408.9	D TIERRA	0.079	1.31	136259.0
	S SEL2	7.167	143.35	49844.3	SUELO EST3	6.916	138.34	66913.8
	D FIRME	3.665	71.16	46188.8	TERRAPLEN	7.156	147.30	25515.8
108600.000	EXCAVA SANE0	11.340	226.52	31949.3	TERRAP SANE0	11.340	226.52	32589.2
	VEGETAL	2.773	55.40	31331.0				
	FIRME	9.041	180.83	98589.7	D TIERRA	0.105	1.84	136260.9
	S SEL2	7.165	143.32	49987.6	SUELO EST3	6.917	138.32	67052.1
108620.000	D FIRME	4.047	77.12	46265.9	TERRAPLEN	6.805	139.62	25655.4
	EXCAVA SANE0	11.251	225.90	32175.2	TERRAP SANE0	11.251	225.91	32815.1
	VEGETAL	2.752	55.26	31386.3				
	FIRME	9.042	180.83	98770.5	D TIERRA	0.172	2.77	136263.7
108640.000	S SEL2	7.163	143.28	50130.9	SUELO EST3	6.915	138.31	67190.4
	D FIRME	4.564	86.11	46352.0	TERRAPLEN	6.327	131.33	25786.7
	EXCAVA SANE0	11.216	224.67	32399.9	TERRAP SANE0	11.216	224.67	33039.8
	VEGETAL	2.744	54.97	31441.2				
108660.000	FIRME	9.042	180.84	98951.4	D TIERRA	1.058	12.29	136276.0
	S SEL2	7.161	143.24	50274.1	SUELO EST3	6.907	138.21	67328.6
	D FIRME	5.260	98.24	46450.3	TERRAPLEN	5.698	120.26	25907.0
	EXCAVA SANE0	11.131	223.47	32623.4	TERRAP SANE0	11.131	223.47	33263.3
108680.000	VEGETAL	2.724	54.69	31495.9				
	FIRME	9.042	180.84	99132.2	D TIERRA	2.205	32.63	136308.6
	S SEL2	7.158	143.19	50417.3	SUELO EST3	6.913	138.20	67466.8
	D FIRME	5.264	105.24	46555.5	TERRAPLEN	4.852	105.50	26012.5
108700.000	EXCAVA SANE0	11.003	221.34	32844.7	TERRAP SANE0	11.003	221.34	33484.6
	VEGETAL	2.694	54.18	31550.1				
	FIRME	9.042	180.84	99313.0	D TIERRA	3.455	56.60	136365.2
	S SEL2	7.154	143.12	50560.4	SUELO EST3	6.912	138.25	67605.1
108720.000	D FIRME	5.270	105.34	46660.9	TERRAPLEN	3.831	86.82	26099.3
	EXCAVA SANE0	10.937	219.40	33064.1	TERRAP SANE0	10.937	219.40	33704.0
	VEGETAL	2.678	53.73	31603.8				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 65

PROYECTO :
EJE: 2: Autov de Castilla A-62: Dues-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108700.000	FIRME	9.042	180.84	99493.9	D TIERRA	4.041	74.96	136440.1
	S SEL2	7.148	143.01	50703.4	SUELO EST3	6.910	138.22	67743.3
	D FIRME	5.324	105.94	46766.8	TERRAPLEN	3.415	72.45	26171.7
	EXCAVA SANE0	10.788	217.25	33281.4	TERRAP SANE0	10.788	217.25	33921.3
108720.000	VEGETAL	2.643	53.22	31657.0				
	FIRME	9.042	180.83	99674.7	D TIERRA	4.657	86.98	136527.1
	S SEL2	7.128	142.76	50846.2	SUELO EST3	6.910	138.21	67881.5
	D FIRME	5.326	106.50	46873.3	TERRAPLEN	3.133	65.47	26237.2
108740.000	EXCAVA SANE0	10.720	215.08	33496.4	TERRAP SANE0	10.720	215.08	34136.3
	VEGETAL	2.623	52.66	31709.7				
	FIRME	8.255	172.97	99847.7	D TIERRA	4.060	87.17	136614.3
	S SEL2	6.278	134.06	50980.3	SUELO EST3	6.078	129.88	68011.4
108760.000	D FIRME	4.021	93.47	46966.8	TERRAPLEN	2.799	59.31	26296.5
	EXCAVA SANE0	10.674	213.94	33710.4	TERRAP SANE0	10.674	213.94	34350.3
	VEGETAL	2.612	52.35	31762.1				

108760.000	FIRME	7.576	158.31	100006.0	D TIERRA	4.151	82.11	136696.4
	S SEL2	5.690	119.68	51099.9	SUELO EST3	5.516	115.94	68127.3
	D FIRME	3.144	71.65	47038.4	TERRAPLEN	2.591	53.90	26350.4
	EXCAVA SANE0	10.561	212.34	33922.7	TERRAP SANE0	10.561	212.34	34562.6
108780.000	VEGETAL	2.591	52.03	31814.1				
	FIRME	7.680	152.55	100158.5	D TIERRA	5.507	96.58	136793.0
	S SEL2	5.954	116.43	51216.4	SUELO EST3	5.828	113.44	68240.8
	D FIRME	3.640	67.84	47106.3	TERRAPLEN	2.422	50.13	26400.6
108800.000	EXCAVA SANE0	10.409	209.69	34132.4	TERRAP SANE0	10.409	209.69	34772.3
	VEGETAL	2.569	51.60	31865.7				
	FIRME	6.446	141.26	100299.8	D TIERRA	4.491	99.99	136893.0
	S SEL2	4.741	106.95	51323.3	SUELO EST3	4.717	105.45	68346.2
108820.000	D FIRME	1.982	56.22	47162.5	TERRAPLEN	2.419	48.41	26449.0
	EXCAVA SANE0	10.017	204.26	34336.7	TERRAP SANE0	10.017	204.26	34976.6
	VEGETAL	2.512	50.81	31916.5				
	FIRME	6.358	128.04	100427.8	D TIERRA	4.766	92.57	136985.6
108840.000	S SEL2	4.690	94.31	51417.6	SUELO EST3	4.680	93.97	68440.2
	D FIRME	1.985	39.67	47202.2	TERRAPLEN	2.319	47.38	26496.4
	EXCAVA SANE0	9.871	198.88	34535.6	TERRAP SANE0	9.871	198.88	35175.5
	VEGETAL	2.489	50.01	31966.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 66

PROYECTO :
EJE: 2: Autov de Castilla A-62: Dues-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108840.000	FIRME	6.533	128.91	100556.7	D TIERRA	5.019	97.85	137083.4
	S SEL2	5.006	96.96	51514.6	SUELO EST3	4.928	96.08	68536.3
	D FIRME	2.084	40.69	47242.8	TERRAPLEN	2.404	47.23	26543.6
	EXCAVA SANE0	10.633	205.05	34740.6	TERRAP SANE0	10.633	205.05	35380.5
108860.000	VEGETAL	2.635	51.24	32017.7				
	FIRME	7.140	136.73	100693.5	D TIERRA	5.252	102.71	137186.1
	S SEL2	5.473	104.79	51619.4	SUELO EST3	5.416	103.44	68639.7
	D FIRME	2.617	47.00	47289.9	TERRAPLEN	2.586	49.90	26593.5
108880.000	EXCAVA SANE0	11.003	216.36	34957.0	TERRAP SANE0	11.003	216.36	35596.9
	VEGETAL	2.727	53.62	32071.4				
	FIRME	7.095	142.35	100835.8	D TIERRA	3.783	90.35	137276.5
	S SEL2	5.570	110.43	51729.8	SUELO EST3	5.354	107.70	68747.4
108900.000	D FIRME	2.214	48.31	47338.2	TERRAPLEN	3.605	61.90	26655.4
	EXCAVA SANE0	12.040	230.43	35187.4	TERRAP SANE0	12.040	230.43	35827.3
	VEGETAL	2.938	56.65	32128.0				
	FIRME	7.396	144.90	100980.7	D TIERRA	3.146	69.29	137345.7
108920.000	S SEL2	5.572	111.41	51841.2	SUELO EST3	5.354	107.08	68854.5
	D FIRME	1.907	41.21	47379.4	TERRAPLEN	3.808	74.13	26729.5
	EXCAVA SANE0	12.497	245.37	35432.8	TERRAP SANE0	12.497	245.37	36072.7
	VEGETAL	3.046	59.84	32187.8				
108940.000	FIRME	7.420	148.16	101128.9	D TIERRA	3.342	64.88	137410.6
	S SEL2	5.672	112.43	51953.7	SUELO EST3	5.504	108.58	68963.1
	D FIRME	1.953	38.60	47418.0	TERRAPLEN	2.987	67.96	26797.5
	EXCAVA SANE0	12.686	251.83	35684.6	TERRAP SANE0	12.686	251.83	36324.5
108960.000	VEGETAL	3.090	61.36	32249.2				
	FIRME	9.279	167.00	101295.9	D TIERRA	9.635	129.77	137540.4
	S SEL2	6.837	125.09	52078.7	SUELO EST3	6.864	123.67	69086.8
	D FIRME	4.138	60.90	47478.9	TERRAPLEN	0.020	30.07	26827.6
108980.000	EXCAVA SANE0	12.520	252.07	35936.7	TERRAP SANE0	12.520	252.07	36576.6
	VEGETAL	3.062	61.52	32310.7				
	FIRME	10.610	198.89	101494.8	D TIERRA	15.433	250.68	137791.1
	S SEL2	7.743	145.81	52224.6	SUELO EST3	7.767	146.30	69233.1
109000.000	D FIRME	5.314	94.52	47573.4	TERRAPLEN	2.239	22.58	26850.1
	EXCAVA SANE0	13.276	257.96	36194.6	TERRAP SANE0	13.276	257.96	36834.5
	VEGETAL	3.126	61.88	32372.6				

109080.000	FIRME	10.508	216.60	102785.1	D TIERRA	18.739	398.90	140316.0
	S SEL2	7.388	152.33	53146.2	SUELO EST3	7.473	153.94	70161.4
	D FIRME	6.464	127.77	48250.8	TERRAPLEN	0.482	12.80	26993.6
	EXCAVA SANE0	10.313	225.57	37112.1	TERRAP SANE0	10.313	225.57	37751.9
	VEGETAL	2.429	53.10	32730.2				
109100.000	FIRME	10.489	209.97	102995.1	D TIERRA	17.434	361.73	140677.7
	S SEL2	7.366	147.54	53293.7	SUELO EST3	7.451	149.24	70310.6
	D FIRME	6.502	129.66	48380.4	TERRAPLEN	0.171	6.54	27000.2
	EXCAVA SANE0	10.185	204.98	37317.0	TERRAP SANE0	10.185	204.98	37956.9
	VEGETAL	2.399	48.27	32778.4				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 68
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109120.000	FIRME	10.466	209.55	103204.6	D TIERRA	18.095	355.29	141033.0
	S SEL2	7.294	146.60	53440.3	SUELO EST3	7.380	148.31	70458.9
	D FIRME	6.477	129.79	48510.2	TERRAPLEN	0.028	1.99	27002.2
	EXCAVA SANE0	10.025	202.11	37519.1	TERRAP SANE0	10.025	202.11	38159.0
	VEGETAL	2.361	47.60	32826.0				
109140.000	FIRME	10.424	208.91	103413.5	D TIERRA	17.993	360.87	141393.9
	S SEL2	7.221	145.15	53585.5	SUELO EST3	7.308	146.88	70605.8
	D FIRME	6.635	131.12	48641.3	TERRAPLEN	0.014	0.42	27002.6
	EXCAVA SANE0	0.000	100.25	37619.4	TERRAP SANE0	0.000	100.25	38259.3
	VEGETAL	2.249	46.10	32872.1				
109160.000	FIRME	8.794	192.18	103605.7	D TIERRA	16.193	341.86	141735.7
	S SEL2	6.121	133.42	53718.9	SUELO EST3	6.208	135.16	70741.0
	D FIRME	6.826	134.61	48776.0	TERRAPLEN	0.017	0.31	27002.9
	VEGETAL	1.437	36.86	32909.0				
	FIRME	8.766	175.59	103781.3	D TIERRA	15.046	312.39	142048.1
109180.000	S SEL2	5.989	121.10	53840.0	SUELO EST3	6.078	122.86	70863.8
	D FIRME	7.091	139.17	48915.1	TERRAPLEN	0.008	0.25	27003.1
	VEGETAL	1.247	26.84	32935.9				
	FIRME	8.588	173.54	103954.9	D TIERRA	14.710	297.56	142345.7
	S SEL2	5.738	117.27	53957.3	SUELO EST3	5.827	119.05	70982.9
109200.000	D FIRME	7.251	143.42	49058.5	TERRAPLEN	0.000	0.08	27003.2
	VEGETAL	1.014	22.61	32958.5				
	FIRME	9.136	177.25	104132.1	D TIERRA	16.446	311.56	142657.2
	S SEL2	6.074	118.12	54075.4	SUELO EST3	6.162	119.89	71102.8
	D FIRME	7.754	150.05	49208.6	TERRAPLEN	0.015	0.15	27003.4
109220.000	VEGETAL	1.111	21.25	32979.7				
	FIRME	9.643	187.79	104319.9	D TIERRA	19.233	356.79	143014.0
	S SEL2	6.349	124.23	54199.6	SUELO EST3	6.437	125.99	71228.7
	D FIRME	8.113	158.67	49367.3	TERRAPLEN	0.016	0.32	27003.7
	VEGETAL	1.190	23.01	33002.7				
109240.000	FIRME	9.695	193.38	104513.3	D TIERRA	20.776	400.09	143414.1
	S SEL2	6.301	126.50	54326.1	SUELO EST3	6.439	128.76	71357.5
	D FIRME	8.221	163.34	49530.6	TERRAPLEN	0.001	0.17	27003.8
	VEGETAL	1.225	24.15	33026.9				
	FIRME	9.565	192.60	104705.9	D TIERRA	20.565	413.41	143827.5
109260.000	S SEL2	6.123	124.24	54450.4	SUELO EST3	6.291	127.30	71484.8
	D FIRME	8.014	162.35	49693.0	TERRAPLEN	0.001	0.02	27003.9
	VEGETAL	1.235	24.61	33051.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 69
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109300.000	FIRME	10.276	198.41	104904.3	D TIERRA	21.413	419.78	144247.3
	S SEL2	6.427	125.50	54575.9	SUELO EST3	6.596	128.87	71613.7
	D FIRME	7.809	158.23	49851.2	TERRAPLEN	0.001	0.02	27003.9
	VEGETAL	1.681	29.17	33080.6				
	FIRME	10.278	205.54	105109.8	D TIERRA	22.392	438.04	144685.3
109320.000	S SEL2	6.425	128.51	54704.4	SUELO EST3	6.596	131.92	71745.6
	D FIRME	7.557	153.66	50004.8	TERRAPLEN	0.026	0.27	27004.1
	VEGETAL	1.865	35.47	33116.1				
	FIRME	10.278	205.55	105315.4	D TIERRA	23.640	460.31	145145.6
	S SEL2	6.422	128.47	54832.9	SUELO EST3	6.596	131.91	71877.5
109340.000	D FIRME	5.293	128.50	50133.4	TERRAPLEN	0.040	0.67	27004.8
	VEGETAL	2.789	46.55	33162.6				
	FIRME	10.277	205.55	105520.9	D TIERRA	23.789	474.29	145619.9
	S SEL2	6.421	128.44	54961.3	SUELO EST3	6.597	131.93	72009.4
	D FIRME	5.321	106.15	50239.5	TERRAPLEN	0.041	0.81	27005.6
109360.000	VEGETAL	2.806	55.95	33218.6				
	FIRME	10.278	205.55	105726.5	D TIERRA	24.917	487.06	146107.0
	S SEL2	6.419	128.41	55089.7	SUELO EST3	6.596	131.93	72141.4
	D FIRME	5.352	106.73	50346.2	TERRAPLEN	0.041	0.81	27006.4
	VEGETAL	2.776	55.83	33274.4				
109400.000	FIRME	10.278	205.56	105932.0	D TIERRA	24.336	492.52	146599.5
	S SEL2	6.422	128.41	55218.1	SUELO EST3	6.595	131.91	72273.3
	D FIRME	5.354	107.05	50453.3	TERRAPLEN	0.027	0.68	27007.1
	VEGETAL	2.769	55.45	33329.9				
	FIRME	10.277	205.55	106137.6	D TIERRA	23.248	475.84	147075.4
109420.000	S SEL2	6.422	128.43	55346.5	SUELO EST3	6.597	131.92	72405.2
	D FIRME	5.373	107.26	50560.5	TERRAPLEN	0.030	0.57	27007.7
	VEGETAL	2.744	55.13	33385.0				
	FIRME	10.278	205.55	106343.1	D TIERRA	21.983	452.31	147527.7
	S SEL2	6.421	128.43	55475.0	SUELO EST3	6.595	131.92	72537.1
109440.000	D FIRME	5.394	107.67	50668.2	TERRAPLEN	0.010	0.40	27008.1
	VEGETAL	2.688	54.31	33439.3				

109460.000	FIRME	9.620	198.98	106542.1	D TIERRA	20.644	426.27	147953.9
	S SEL2	6.002	124.23	55599.2	SUELO EST3	6.179	127.74	72664.9
	D FIRME	5.398	107.92	50776.1	TERRAPLEN	0.016	0.26	27008.3
	VEGETAL	2.329	50.17	33489.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 70
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109480.000	FIRME	10.278	198.97	106741.1	D TIERRA	22.534	431.77	148385.7
	S SEL2	6.422	124.24	55723.5	SUELO EST3	6.596	127.75	72792.6
	D FIRME	5.415	108.12	50884.3	TERRAPLEN	0.004	0.20	27008.5
	VEGETAL	2.658	49.87	33539.4				
	FIRME	10.279	205.57	106946.6	D TIERRA	22.536	450.70	148836.4
109500.000	S SEL2	6.421	128.44	55851.9	SUELO EST3	6.594	131.90	72924.5
	D FIRME	5.401	108.15	50992.4	TERRAPLEN	0.022	0.26	27008.8
	VEGETAL	2.695	53.53	33592.9				
	FIRME	9.130	194.09	107140.7	D TIERRA	16.679	392.15	149228.6
	S SEL2	5.670	120.91	55972.8	SUELO EST3	5.843	124.37	73048.9
109520.000	D FIRME	5.363	107.63	51100.0	TERRAPLEN	0.003	0.25	27009.1
	VEGETAL	2.025	47.20	33640.1				
	FIRME	9.254	183.84	107324.6	D TIERRA	15.389	320.68	149549.2
	S SEL2	5.969	116.39	56089.2	SUELO EST3	6.113	119.56	73048.9
	D FIRME	5.385	107.48	51207.5	TERRAPLEN	0.022	0.25	27009.3
109540.000	VEGETAL	2.170	41.95	33682.0				
	FIRME	9.252	185.05	107509.6	D TIERRA	13.644	290.33	149839.6
	S SEL2	6.080	120.48	56209.7	SUELO EST3	6.144	122.57	73291.0
	D FIRME	5.385	107.71	51315.2	TERRAPLEN	0.044	0.66	27010.0
	VEGETAL	2.201	43.71	33725.8				
109560.000	FIRME	7.959	172.10	107681.7	D TIERRA	9.852	234.96	150074.5
	S SEL2	5.295	113.75	56323.4	SUELO EST3	5.339	114.83	73405.8
	D FIRME	4.159	95.45	51410.7	TERRAPLEN	0.023	0.68	27010.6
	VEGETAL	2.002	42.03	33767.8				
	FIRME	6.415	143.74	107825.5	D TIERRA	5.577	154.29	150228.8
109600.000	S SEL2	4.090	93.85	56417.3	SUELO EST3	4.064	94.03	73499.9
	D FIRME	2.851	70.10	51480.8	TERRAPLEN	0.073	0.96	27011.6
	VEGETAL	1.704	37.05	33804.8				
	FIRME	6.641	130.56	107956.0	D TIERRA	5.548	111.25	150340.1
	S SEL2	4.191	82.81	56500.1	SUELO EST3	4.197	82.61	73582.5
109620.000	D FIRME	2.944	57.95	51538.7	TERRAPLEN	0.029	1.02	27012.6
	VEGETAL	1.721	34.25	33839.1				
	FIRME	7.494	141.35	108097.4	D TIERRA	5.096	106.44	150446.5
	S SEL2	4.737	89.28	56589.4	SUELO EST3	4.805	90.02	73672.5
	D FIRME	3.862	68.06	51606.8	TERRAPLEN	0.031	0.59	27013.2
109640.000	VEGETAL	1.719	34.41	33873.5				

Istram 18.05.05.29 17/07/18 18:00:38 459 pagina 71
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

109660.000	FIRME	8.619	161.13	108258.5	D TIERRA	5.190	102.86	150549.4
	S SEL2	5.724	104.62	56694.0	SUELO EST3	5.810	106.15	73778.6
	D FIRME	5.493	93.55	51700.3	TERRAPLEN	0.038	0.69	27013.9
	VEGETAL	1.708	34.27	33907.8				
109680.000	FIRME	8.676	172.94	108431.5	D TIERRA	3.933	91.23	150640.6
	S SEL2	5.750	114.74	56808.7	SUELO EST3	5.836	116.46	73895.1
	D FIRME	6.367	118.59	51818.9	TERRAPLEN	0.333	3.72	27017.6
	VEGETAL	1.338	30.46	33938.2				
109700.000	FIRME	8.727	174.03	108605.5	D TIERRA	3.096	70.30	150710.9
	S SEL2	5.804	115.54	56924.3	SUELO EST3	5.891	117.27	74012.4
	D FIRME	6.347	127.14	51946.1	TERRAPLEN	0.962	12.96	27030.6
	VEGETAL	1.383	27.22	33965.4				
109720.000	FIRME	8.773	175.00	108780.5	D TIERRA	3.483	65.80	150776.7
	S SEL2	5.815	116.20	57040.5	SUELO EST3	5.904	117.95	74130.3
	D FIRME	6.229	125.76	52071.8	TERRAPLEN	1.558	25.20	27055.8
	VEGETAL	1.460	28.44	33993.9				
109740.000	FIRME	9.409	181.82	108962.3	D TIERRA	4.742	82.25	150858.9
	S SEL2	6.258	120.73	57161.2	SUELO EST3	6.345	122.49	74252.8
	D FIRME	6.849	130.78	52202.6	TERRAPLEN	2.026	35.83	27091.6
	VEGETAL	1.553	30.13	34024.0				
109760.000	FIRME	9.379	187.88	109150.2	D TIERRA	3.968	87.10	150946.0
	S SEL2	6.274	125.32	57286.5	SUELO EST3	6.360	127.05	74379.9
	D FIRME	6.737	135.86	52338.5	TERRAPLEN	2.487	45.13	27136.7
	VEGETAL	1.599	31.52	34055.5				
109780.000	FIRME	8.935	183.15	109333.3	D TIERRA	2.029	59.97	151006.0
	S SEL2	5.959	122.33	57408.8	SUELO EST3	6.045	124.05	74503.9
	D FIRME	6.105	128.42	52466.9	TERRAPLEN	3.091	55.78	27192.5
	VEGETAL	1.625	32.24	34087.8				
109800.000	FIRME	8.993	179.28	109512.6	D TIERRA	0.891	29.20	151035.2
	S SEL2	5.943	119.02	57527.9	SUELO EST3	6.028	120.73	74624.6
	D FIRME	5.916	120.21	52587.1	TERRAPLEN	3.478	65.69	27258.2
	VEGETAL	1.656	32.81	34120.6				
109820.000	FIRME	9.006	179.99	109692.6	D TIERRA	0.110	10.00	151045.2
	S SEL2	5.972	119.15	57647.0	SUELO EST3	6.056	120.84	74745.5
	D FIRME	5.226	111.42	52698.5	TERRAPLEN	3.950	74.28	27332.5
	TERRAP SANEO	0.070	0.70	38260.0	VEGETAL	1.689	33.46	34154.0

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
109840.000	FIRME	10.583	195.90	109888.5	D TIERRA	0.208	3.18	151048.4
	S SEL2	7.595	135.67	57782.7	SUELO EST3	7.474	135.30	74880.8
	D FIRME	5.206	104.32	52802.8	TERRAPLEN	5.493	94.43	27426.9
	TERRAP SANE0	0.000	0.70	38260.7	VEGETAL	2.392	40.81	34194.8
109860.000	FIRME	10.587	211.70	110100.2	D TIERRA	0.091	3.00	151051.4
	S SEL2	7.613	152.08	57934.8	SUELO EST3	7.481	149.55	75030.3
	D FIRME	3.959	91.65	52894.5	TERRAPLEN	6.282	117.74	27544.6
	VEGETAL	2.460	48.51	34243.4				
109880.000	FIRME	10.587	211.74	110311.9	D TIERRA	0.052	1.43	151052.8
	S SEL2	7.576	151.89	58086.7	SUELO EST3	7.478	149.59	75179.9
	D FIRME	3.582	75.41	52969.9	TERRAPLEN	6.355	126.37	27671.0
	VEGETAL	2.427	48.87	34292.2				
109900.000	FIRME	10.584	211.71	110523.7	D TIERRA	0.040	0.92	151053.7
	S SEL2	7.585	151.61	58238.3	SUELO EST3	7.467	149.45	75329.4
	D FIRME	3.260	68.42	53038.3	TERRAPLEN	6.559	129.14	27800.1
	VEGETAL	2.470	48.97	34341.2				
109920.000	FIRME	10.577	211.60	110735.3	D TIERRA	0.090	1.30	151055.0
	S SEL2	7.493	150.77	58389.0	SUELO EST3	7.451	149.18	75478.6
	D FIRME	3.303	65.63	53104.0	TERRAPLEN	5.418	119.77	27919.9
	VEGETAL	2.456	49.26	34390.5				
109940.000	FIRME	10.568	211.44	110946.7	D TIERRA	0.155	2.45	151057.5
	S SEL2	7.439	149.31	58538.3	SUELO EST3	7.422	148.73	75627.3
	D FIRME	3.792	70.95	53174.9	TERRAPLEN	5.594	110.12	28030.0
	VEGETAL	2.456	49.12	34439.6				
109960.000	FIRME	10.558	211.26	111158.0	D TIERRA	0.117	2.72	151060.2
	S SEL2	7.385	148.24	58686.6	SUELO EST3	7.392	148.15	75775.4
	D FIRME	4.133	79.26	53254.2	TERRAPLEN	5.312	109.06	28139.1
	VEGETAL	2.363	48.20	34487.8				
109980.000	FIRME	10.490	210.48	111368.4	D TIERRA	0.523	6.40	151066.6
	S SEL2	7.297	146.82	58833.4	SUELO EST3	7.324	147.17	75922.6
	D FIRME	3.961	80.94	53335.1	TERRAPLEN	4.941	102.53	28241.6
	VEGETAL	2.768	51.32	34539.1				
110000.000	FIRME	10.247	207.38	111575.8	D TIERRA	0.053	5.76	151072.4
	S SEL2	7.300	145.97	58979.4	SUELO EST3	7.157	144.82	76067.4
	D FIRME	4.155	81.15	53416.3	TERRAPLEN	7.195	121.36	28363.0
	VEGETAL	2.831	55.99	34595.1				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 73
PROYECTO :
EJE: 2: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110020.000	FIRME	10.007	202.55	111778.4	D TIERRA	0.054	1.07	151073.4
	S SEL2	7.129	144.30	59123.7	SUELO EST3	6.987	141.44	76208.9
	D FIRME	4.164	83.19	53499.5	TERRAPLEN	8.983	161.79	28524.8
	VEGETAL	2.747	55.78	34650.9				
110040.000	FIRME	9.767	197.74	111976.1	D TIERRA	0.239	2.93	151076.4
	S SEL2	6.962	140.92	59264.6	SUELO EST3	6.819	138.06	76346.9
	D FIRME	4.819	89.83	53589.3	TERRAPLEN	5.844	148.28	28673.0
	VEGETAL	2.592	53.38	34704.3				
110060.000	FIRME	9.530	192.97	112169.1	D TIERRA	0.709	9.48	151085.8
	S SEL2	6.798	137.60	59402.2	SUELO EST3	6.654	134.73	76481.7
	D FIRME	5.309	101.28	53690.6	TERRAPLEN	4.855	106.99	28780.0
	VEGETAL	2.486	50.78	34755.0				
110080.000	FIRME	9.294	188.24	112357.3	D TIERRA	1.559	22.68	151108.5
	S SEL2	6.638	134.36	59536.5	SUELO EST3	6.491	131.46	76613.1
	D FIRME	5.348	106.57	53797.1	TERRAPLEN	4.085	89.40	28869.4
	VEGETAL	2.365	48.51	34803.5				
110100.000	FIRME	9.061	183.55	112540.8	D TIERRA	2.397	39.57	151148.1
	S SEL2	6.481	131.20	59667.7	SUELO EST3	6.338	128.29	76741.4
	D FIRME	5.359	107.07	53904.2	TERRAPLEN	3.579	76.64	28946.1
	VEGETAL	2.256	46.21	34849.8				
110120.000	FIRME	8.944	180.05	112720.9	D TIERRA	2.561	49.58	151197.7
	S SEL2	6.404	128.85	59796.6	SUELO EST3	6.257	125.95	76867.4
	D FIRME	5.322	106.81	54011.0	TERRAPLEN	3.346	69.25	29015.3
	VEGETAL	2.215	44.71	34894.5				
110140.000	FIRME	8.943	178.88	112899.8	D TIERRA	2.453	50.14	151247.8
	S SEL2	6.403	128.07	59924.7	SUELO EST3	6.259	125.16	76992.5
	D FIRME	5.322	106.44	54117.5	TERRAPLEN	2.965	63.11	29078.4
	VEGETAL	2.204	44.19	34938.7				
110160.000	FIRME	8.944	178.87	113078.6	D TIERRA	2.735	51.88	151299.7
	S SEL2	6.404	128.07	60052.7	SUELO EST3	6.260	125.19	77117.7
	D FIRME	5.358	106.79	54224.2	TERRAPLEN	2.644	56.09	29134.5
	VEGETAL	2.176	43.80	34982.4				
110180.000	FIRME	8.943	178.86	113257.5	D TIERRA	3.046	57.81	151357.5
	S SEL2	6.403	128.07	60180.8	SUELO EST3	6.259	125.20	77242.9
	D FIRME	5.379	107.37	54331.6	TERRAPLEN	2.455	50.99	29185.5
	VEGETAL	2.155	43.31	35025.8				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 74
PROYECTO :
EJE: 2: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110200.000	FIRME	8.943	178.86	113436.4	D TIERRA	3.344	63.90	151421.4
	S SEL2	6.396	127.99	60308.8	SUELO EST3	6.261	125.20	77368.1
	D FIRME	5.382	107.61	54439.2	TERRAPLEN	2.403	48.58	29234.1

110220.000	VEGETAL	2.140	42.95	35068.7				
	FIRME	8.943	178.87	113615.2	D TIERRA	3.656	69.99	151491.4
	S SEL2	6.382	127.79	60436.6	SUELO EST3	6.261	125.22	77493.3
	D FIRME	5.378	107.61	54546.8	TERRAPLEN	2.350	47.53	29281.6
110240.000	VEGETAL	2.127	42.67	35111.4				
	FIRME	8.944	178.87	113794.1	D TIERRA	7.068	107.24	151598.6
	S SEL2	6.373	127.55	60564.1	SUELO EST3	6.261	125.22	77618.5
	D FIRME	5.365	107.43	54654.3	TERRAPLEN	0.030	23.80	29305.4
110260.000	VEGETAL	2.122	42.49	35153.9				
	FIRME	8.944	178.88	113973.0	D TIERRA	7.553	146.22	151744.9
	S SEL2	6.322	126.95	60691.1	SUELO EST3	6.261	125.22	77743.8
	D FIRME	5.344	107.09	54761.3	TERRAPLEN	0.021	0.51	29305.9
110280.000	VEGETAL	2.109	42.31	35196.2				
	FIRME	8.944	178.88	114151.9	D TIERRA	5.182	127.36	151872.2
	S SEL2	6.321	126.44	60817.5	SUELO EST3	6.259	125.20	77869.0
	D FIRME	5.288	106.32	54867.7	TERRAPLEN	1.803	18.24	29324.2
110300.000	VEGETAL	2.122	42.32	35238.5				
	FIRME	8.943	178.87	114330.7	D TIERRA	5.310	104.92	151977.1
	S SEL2	6.301	126.23	60943.8	SUELO EST3	6.262	125.21	77994.2
	D FIRME	5.304	105.92	54973.6	TERRAPLEN	2.212	40.15	29364.3
110320.000	VEGETAL	2.106	42.28	35280.8				
	FIRME	8.944	178.87	114509.6	D TIERRA	5.639	109.49	152086.6
	S SEL2	6.317	126.18	61069.9	SUELO EST3	6.261	125.24	77919.4
	D FIRME	5.311	106.15	55079.7	TERRAPLEN	2.174	43.86	29408.2
110340.000	VEGETAL	2.110	42.16	35322.9				
	FIRME	7.727	166.71	114676.3	D TIERRA	4.512	101.51	152188.1
	S SEL2	4.975	112.92	61182.9	SUELO EST3	4.996	112.57	78232.0
	D FIRME	3.340	86.51	55166.3	TERRAPLEN	1.932	41.07	29449.2
110360.000	VEGETAL	2.077	41.87	35364.8				
	FIRME	7.155	148.82	114825.1	D TIERRA	3.992	85.05	152273.2
	S SEL2	4.588	95.63	61278.5	SUELO EST3	4.496	94.91	78326.9
	D FIRME	2.531	58.71	55225.0	TERRAPLEN	1.811	37.43	29486.7
	VEGETAL	2.137	42.14	35406.9				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 75
PROYECTO :
EJE: 2: Autov^{na} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110380.000	FIRME	7.289	144.44	114969.6	D TIERRA	4.271	82.63	152355.8
	S SEL2	4.723	93.11	61371.6	SUELO EST3	4.621	91.17	78418.1
	D FIRME	2.730	52.61	55277.6	TERRAPLEN	1.554	33.65	29520.3
	VEGETAL	2.142	42.80	35449.7				
110400.000	FIRME	6.949	142.38	115112.0	D TIERRA	4.264	85.34	152441.2
	S SEL2	4.436	91.58	61463.2	SUELO EST3	4.419	90.40	78508.5
	D FIRME	2.413	51.44	55329.0	TERRAPLEN	1.595	31.50	29551.8
	VEGETAL	2.099	42.41	35492.1				
110420.000	FIRME	6.702	136.51	115248.5	D TIERRA	4.535	87.98	152529.1
	S SEL2	4.402	88.37	61551.6	SUELO EST3	4.416	88.35	78596.8
	D FIRME	2.402	48.16	55377.2	TERRAPLEN	1.437	30.32	29582.1
	VEGETAL	2.089	41.88	35534.0				
110440.000	FIRME	6.494	131.96	115380.4	D TIERRA	4.794	93.29	152622.4
	S SEL2	4.425	88.27	61639.8	SUELO EST3	4.406	88.22	78685.0
	D FIRME	2.427	48.29	55425.5	TERRAPLEN	1.316	27.53	29609.7
	VEGETAL	2.099	41.88	35575.9				
110460.000	FIRME	6.620	131.14	115511.6	D TIERRA	5.220	100.14	152722.6
	S SEL2	4.460	88.85	61728.7	SUELO EST3	4.524	89.29	78774.3
	D FIRME	2.720	51.46	55476.9	TERRAPLEN	1.217	25.33	29635.0
	VEGETAL	2.046	41.45	35617.3				
110480.000	FIRME	7.197	138.17	115649.7	D TIERRA	6.271	114.91	152837.5
	S SEL2	5.019	94.79	61823.5	SUELO EST3	4.997	95.20	78869.5
	D FIRME	3.371	60.90	55537.8	TERRAPLEN	1.149	23.66	29658.6
	VEGETAL	2.106	41.52	35658.9				
110500.000	FIRME	8.945	161.42	115811.2	D TIERRA	9.389	156.60	152994.1
	S SEL2	6.252	112.71	61936.2	SUELO EST3	6.260	112.57	78982.1
	D FIRME	5.320	86.91	55624.7	TERRAPLEN	0.926	20.76	29679.4
	VEGETAL	2.080	41.85	35700.7				
110520.000	FIRME	10.017	189.62	116000.8	D TIERRA	12.994	223.83	153217.9
	S SEL2	6.611	128.63	62064.8	SUELO EST3	6.697	129.58	79111.7
	D FIRME	5.310	106.30	55731.0	TERRAPLEN	0.887	18.13	29697.5
	VEGETAL	2.536	46.16	35746.9				
110540.000	FIRME	10.018	200.35	116201.1	D TIERRA	13.670	266.63	153484.6
	S SEL2	6.613	132.23	62197.0	SUELO EST3	6.696	133.93	79245.6
	D FIRME	5.315	106.24	55837.3	TERRAPLEN	0.737	16.23	29713.8
	VEGETAL	2.542	50.78	35797.6				

110620.000	VEGETAL	1.915	44.75	35944.3															
	FIRME	10.016	188.60	116979.0	D TIERRA	14.664	254.43	154552.9											
	S SEL2	6.608	124.97	62711.4	SUELO EST3	6.694	126.71	79766.9											
	D FIRME	5.261	105.11	56260.2	TERRAPLEN	0.316	7.46	29756.6											
110640.000	VEGETAL	2.571	44.86	35989.2															
	FIRME	9.687	197.03	117176.1	D TIERRA	12.005	266.69	154819.6											
	S SEL2	6.445	130.53	62842.0	SUELO EST3	6.533	132.27	79899.2											
	D FIRME	6.440	117.01	56377.2	TERRAPLEN	0.291	6.08	29762.7											
110660.000	VEGETAL	1.916	44.87	36034.0															
	FIRME	9.427	191.14	117367.2	D TIERRA	10.867	228.72	155048.3											
	S SEL2	6.283	127.28	62969.3	SUELO EST3	6.369	129.02	80028.2											
	D FIRME	6.456	128.96	56506.2	TERRAPLEN	0.212	5.03	29767.7											
110680.000	VEGETAL	1.775	36.91	36070.9															
	FIRME	8.028	174.56	117541.8	D TIERRA	8.064	189.32	155237.6											
	S SEL2	5.269	115.51	63084.8	SUELO EST3	5.356	117.25	80145.4											
	D FIRME	4.967	114.24	56620.4	TERRAPLEN	0.389	6.01	29773.7											
110700.000	VEGETAL	1.766	35.40	36106.3															
	FIRME	6.983	150.11	117691.9	D TIERRA	6.077	141.41	155379.0											
	S SEL2	4.467	97.36	63182.1	SUELO EST3	4.554	99.11	80244.5											
	D FIRME	3.822	87.89	56708.3	TERRAPLEN	0.324	7.13	29780.9											
110720.000	VEGETAL	1.717	34.83	36141.2															
	FIRME	9.528	165.11	117857.0	D TIERRA	11.117	171.94	155551.0											
	S SEL2	6.343	108.10	63290.2	SUELO EST3	6.429	109.83	80354.4											
	D FIRME	6.676	104.98	56813.3	TERRAPLEN	0.344	6.67	29787.5											
	EXCAVA SANE0	5.479	54.79	37674.2	TERRAP SANE0	5.479	54.79	38315.6											
	VEGETAL	1.739	34.56	36175.7															

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

pagina 77

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
110740.000	FIRME	9.676		192.03		118049.0		D TIERRA	11.769		228.86		155779.8	
	S SEL2	6.429		127.72		63418.0		SUELO EST3	6.515		129.43		80483.8	
	D FIRME	6.744		134.20		56947.5		TERRAPLEN	0.562		9.06		29796.6	
	EXCAVA SANE0	5.753		112.32		37786.6		TERRAP SANE0	5.753		112.32		38427.9	
	VEGETAL	1.784		35.23		36211.0								
110760.000	FIRME	9.819		194.94		118244.0		D TIERRA	11.728		234.97		156014.8	
	S SEL2	6.500		129.29		63547.2		SUELO EST3	6.585		131.00		80614.8	
	D FIRME	6.812		135.55		57083.0		TERRAPLEN	1.349		19.12		29815.7	
	EXCAVA SANE0	5.833		115.86		37902.4		TERRAP SANE0	5.833		115.86		38543.7	
	VEGETAL	1.812		35.96		36246.9								
110780.000	FIRME	9.980		197.98		118441.9		D TIERRA	12.240		239.68		156254.5	
	S SEL2	6.570		130.69		63677.9		SUELO EST3	6.659		132.44		80747.2	
	D FIRME	6.899		137.11		57220.1		TERRAPLEN	1.259		26.08		29841.8	
	EXCAVA SANE0	5.943		117.76		38020.2		TERRAP SANE0	5.943		117.76		38661.5	
	VEGETAL	1.833		36.45		36283.4								
110800.000	FIRME	10.000		199.80		118641.7		D TIERRA	11.718		239.58		156494.1	
	S SEL2	6.577		131.47		63809.4		SUELO EST3	6.663		133.22		80880.5	
	D FIRME	7.045		139.45		57359.6		TERRAPLEN	0.897		21.56		29863.3	
	EXCAVA SANE0	5.739		116.82		38137.0		TERRAP SANE0	5.739		116.82		38778.3	
	VEGETAL	1.783		36.17		36319.5								
110820.000	FIRME	9.997		199.97		118841.7		D TIERRA	10.988		227.06		156721.1	
	S SEL2	6.571		131.49		63940.9		SUELO EST3	6.657		133.20		81013.7	
	D FIRME	7.234		142.79		57502.4		TERRAPLEN	1.057		19.55		29882.9	
	EXCAVA SANE0	5.520		112.58		38249.6		TERRAP SANE0	5.520		112.58		38890.9	
	VEGETAL	1.710		34.93		36354.5								
110840.000	FIRME	8.832		188.29		119030.0		D TIERRA	9.135		201.23		156922.3	
	S SEL2	5.714		122.85		64063.7		SUELO EST3	5.803		124.61		81138.3	
	D FIRME	6.069		133.03		57635.4		TERRAPLEN	1.123		21.80		29904.7	
	EXCAVA SANE0	5.102		106.21		38355.8		TERRAP SANE0	5.102		106.21		38997.1	
	VEGETAL	1.656		33.66		36388.1								
110860.000	FIRME	8.739		175.71		119205.7		D TIERRA	9.126		182.62		157105.0	
	S SEL2	5.715		114.29		64178.0		SUELO EST3	5.742		115.45		81253.7	
	D FIRME	6.253		123.22		57758.6		TERRAPLEN	1.117		22.40		29927.1	
	EXCAVA SANE0	5.084		101.86		38457.6		TERRAP SANE0	5.084		101.86		39099.0	
	VEGETAL	1.565		32.21		36420.3								

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

pagina 78

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
110880.000	FIRME	8.626		173.65		119379.4		D TIERRA	8.924		180.51		157285.5	
	S SEL2	5.631		113.46		64291.5		SUELO EST3	5.651		113.93		81367.7	
	D FIRME	6.119		123.71		57882.3		TERRAPLEN	0.980		20.97		29948.1	
	EXCAVA SANE0	5.063		101.47		38559.1		TERRAP SANE0	5.063		101.47		39200.4	
110900.000	VEGETAL	1.558		31.22		36451.6								
	FIRME	8.581		172.07		119551.4		D TIERRA	8.497		174.22		157459.7	
	S SEL2	5.598		112.29		64403.8		SUELO EST3	5.614		112.65		81480.3	
	D FIRME	6.065		121.83		58004.2		TERRAPLEN	0.814		17.94		29966.0	
110920.000	EXCAVA SANE0	5.049		101.12		38660.2		TERRAP SANE0	5.049		101.12		39301.5	
	VEGETAL	1.554		31.11		36482.7								
	FIRME	8.086		166.67		119718.1		D TIERRA	6.902		153.99		157613.7	
	S SEL2	5.161		107.59		64511.4		SUELO EST3	5.249		108.63		81588.9	
110940.000	D FIRME	5.311		113.76		58117.9		TERRAPLEN	0.918		17.32		29983.3	
	EXCAVA SANE0	5.037		100.86		38761.1		TERRAP SANE0	5.037		100.86		39402.4	
	VEGETAL	1.550		31.03		36513.7								
	FIRME	7.587		156.73		119874.8		D TIERRA	5.988		128.90		157742.6	
	S SEL2	4.707		98.68		64610.1		SUELO EST3	4.794		100.43		81689.4	
	D FIRME	4.674		99.85		58217.8		TERRAPLEN	0.755		16.73		30000.0	
	EXCAVA SANE0	4.982		100.19		38861.3		TERRAP SANE0	4.982		100.19		39502.6	

110960.000	VEGETAL	1.535	30.85	36544.6															
	FIRME	7.191	147.78	120022.6	D TIERRA	5.879	118.66	157861.2											
	S SEL2	4.370	90.77	64700.8	SUELO EST3	4.458	92.52	81781.9											
	D FIRME	2.374	70.47	58288.3	TERRAPLEN	0.355	11.11	30011.2											
110980.000	EXCAVA SANE0	6.331	113.12	38974.4	TERRAP SANE0	6.331	113.12	39615.7											
	VEGETAL	2.187	37.21	36581.8															
	FIRME	7.049	142.40	120165.0	D TIERRA	4.255	101.34	157962.6											
	S SEL2	4.149	85.19	64786.0	SUELO EST3	4.236	86.94	81868.8											
111000.000	D FIRME	2.600	49.74	58338.0	TERRAPLEN	1.058	14.14	30025.3											
	EXCAVA SANE0	4.884	112.15	39086.6	TERRAP SANE0	4.884	112.15	39727.9											
	VEGETAL	1.883	40.70	36622.5															
	FIRME	7.385	144.34	120309.4	D TIERRA	4.586	88.42	158051.0											
	S SEL2	4.415	85.64	64871.7	SUELO EST3	4.502	87.38	81956.2											
	D FIRME	3.006	56.06	58394.1	TERRAPLEN	0.545	16.03	30041.3											
	EXCAVA SANE0	4.799	96.83	39183.4	TERRAP SANE0	4.799	96.83	39824.7											
	VEGETAL	1.888	37.72	36660.2															

111280.000	VEGETAL	1.757	34.99	37118.9					
	FIRME	7.187	137.25	122408.4	D TIERRA	4.612	95.01	159413.1	
	S SEL2	4.188	78.36	66124.6	SUELO EST3	4.274	80.08	83233.5	
	D FIRME	2.854	49.59	59342.7	TERRAPLEN	0.524	5.24	30164.4	
	EXCAVA SANE0	5.180	102.08	40397.7	TERRAP SANE0	5.180	102.08	41039.0	
	VEGETAL	1.796	35.53	37154.4					

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :

EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

pagina 81

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
111300.000	FIRME	8.689	158.76	122567.2	D TIERRA	3.537	81.49	159494.6	
	S SEL2	5.699	98.87	66223.5	SUELO EST3	5.781	100.55	83334.0	
	D FIRME	5.152	80.06	59422.7	TERRAPLEN	0.877	14.01	30178.4	
	EXCAVA SANE0	5.934	111.14	40508.8	TERRAP SANE0	5.934	111.14	41150.1	
	VEGETAL	1.828	36.24	37190.7					
111320.000	FIRME	8.697	173.86	122741.0	D TIERRA	2.958	64.95	159559.5	
	S SEL2	5.734	114.33	66337.8	SUELO EST3	5.820	116.01	83450.0	
	D FIRME	5.149	103.01	59525.8	TERRAPLEN	1.136	20.13	30198.6	
	EXCAVA SANE0	5.437	113.71	40622.5	TERRAP SANE0	5.437	113.71	41263.8	
	VEGETAL	1.831	36.59	37227.2					
111340.000	FIRME	8.700	173.97	122915.0	D TIERRA	1.997	49.56	159609.1	
	S SEL2	5.769	115.03	66452.8	SUELO EST3	5.851	116.71	83566.7	
	D FIRME	5.126	102.76	59628.5	TERRAPLEN	1.385	25.22	30223.8	
	EXCAVA SANE0	5.450	108.87	40731.4	TERRAP SANE0	5.450	108.87	41372.7	
	VEGETAL	1.827	36.58	37263.8					
111360.000	FIRME	8.704	174.04	123089.1	D TIERRA	1.278	32.75	159641.8	
	S SEL2	5.805	115.73	66568.6	SUELO EST3	5.879	117.30	83684.0	
	D FIRME	4.835	99.62	59728.1	TERRAPLEN	1.725	31.10	30254.9	
	EXCAVA SANE0	5.525	109.75	40841.1	TERRAP SANE0	5.525	109.75	41482.5	
	VEGETAL	1.843	36.70	37300.5					
111380.000	FIRME	8.707	174.11	123263.2	D TIERRA	0.976	22.54	159664.4	
	S SEL2	5.732	115.36	66683.9	SUELO EST3	5.818	116.97	83801.0	
	D FIRME	4.828	96.63	59824.8	TERRAPLEN	1.429	31.54	30286.4	
	EXCAVA SANE0	5.255	107.80	40948.9	TERRAP SANE0	5.255	107.80	41590.3	
	VEGETAL	1.780	36.23	37336.8					
111400.000	FIRME	8.708	174.14	123437.3	D TIERRA	0.496	14.71	159679.1	
	S SEL2	5.724	114.55	66798.5	SUELO EST3	5.811	116.29	83917.3	
	D FIRME	5.869	106.97	59931.7	TERRAPLEN	1.037	24.66	30311.1	
	EXCAVA SANE0	4.430	96.86	41045.8	TERRAP SANE0	4.431	96.86	41687.1	
	VEGETAL	1.363	31.44	37368.2					
111420.000	FIRME	8.709	174.16	123611.5	D TIERRA	0.667	11.63	159690.7	
	S SEL2	5.717	114.41	66912.9	SUELO EST3	5.803	116.14	84033.4	
	D FIRME	5.947	118.15	60049.9	TERRAPLEN	0.952	19.90	30331.0	
	EXCAVA SANE0	4.485	89.15	41135.0	TERRAP SANE0	4.485	89.15	41776.3	
	VEGETAL	1.380	27.43	37395.6					

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :

EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

pagina 82

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
111440.000	FIRME	8.716	174.25	123785.7	D TIERRA	0.921	15.89	159706.6	
	S SEL2	5.723	114.40	67027.3	SUELO EST3	5.808	116.11	84149.5	
	D FIRME	6.030	119.77	60169.6	TERRAPLEN	0.885	18.38	30349.3	
	EXCAVA SANE0	4.527	90.12	41225.1	TERRAP SANE0	4.527	90.12	41866.4	
	VEGETAL	1.393	27.73	37423.4					
111460.000	FIRME	8.723	174.39	123960.1	D TIERRA	1.062	19.83	159726.4	
	S SEL2	5.638	113.62	67140.9	SUELO EST3	5.722	115.30	84264.8	
	D FIRME	5.964	119.94	60289.6	TERRAPLEN	0.829	17.14	30366.5	
	EXCAVA SANE0	4.584	91.11	41316.2	TERRAP SANE0	4.584	91.11	41957.5	
	VEGETAL	1.411	28.04	37451.4					
111480.000	FIRME	8.727	174.49	124134.6	D TIERRA	1.640	27.01	159753.4	
	S SEL2	5.671	113.09	67254.0	SUELO EST3	5.756	114.77	84379.6	
	D FIRME	6.079	120.43	60410.0	TERRAPLEN	0.612	14.41	30380.9	
	EXCAVA SANE0	4.613	91.96	41408.1	TERRAP SANE0	4.613	91.96	42049.5	
	VEGETAL	1.419	28.30	37479.7					
111500.000	FIRME	8.739	174.65	124309.3	D TIERRA	2.310	39.50	159792.9	
	S SEL2	5.712	113.83	67367.8	SUELO EST3	5.799	115.55	84495.2	
	D FIRME	6.114	121.93	60531.9	TERRAPLEN	0.383	9.95	30390.9	
	EXCAVA SANE0	4.661	92.74	41500.9	TERRAP SANE0	4.661	92.74	42142.2	
	VEGETAL	1.434	28.54	37508.2					
111520.000	FIRME	8.739	174.77	124484.0	D TIERRA	3.081	53.91	159846.8	
	S SEL2	5.713	114.26	67482.1	SUELO EST3	5.797	115.97	84611.1	
	D FIRME	6.086	122.00	60653.9	TERRAPLEN	0.260	6.43	30397.3	
	EXCAVA SANE0	4.710	93.71	41594.6	TERRAP SANE0	4.710	93.71	42235.9	
	VEGETAL	1.451	28.85	37537.1					
111540.000	FIRME	8.740	174.79	124658.8	D TIERRA	3.810	68.90	159915.7	
	S SEL2	5.717	114.31	67596.4	SUELO EST3	5.803	116.00	84727.1	
	D FIRME	6.062	121.48	60775.4	TERRAPLEN	0.187	4.46	30401.7	
	EXCAVA SANE0	4.749	94.58	41689.2	TERRAP SANE0	4.749	94.58	42330.5	
	VEGETAL	1.467	29.18	37566.2					
111560.000	FIRME	9.227	179.67	124838.5	D TIERRA	4.570	83.80	159999.5	
	S SEL2	5.795	115.12	67711.5	SUELO EST3	5.881	116.84	84844.0	
	D FIRME	6.524	125.86	60901.3	TERRAPLEN	0.144	3.31	30405.1	
	EXCAVA SANE0	4.770	95.18	41784.4	TERRAP SANE0	4.770	95.18	42425.7	
	VEGETAL	1.483	29.50	37595.8					

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :

EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

pagina 83

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
111580.000	FIRME	9.315	185.42	125023.9	D TIERRA	5.304	98.74	160098.3	
	S SEL2	5.809	116.04	67827.5	SUELO EST3	5.894	117.75	84961.7	
	D FIRME	6.665	131.89	61033.2	TERRAPLEN	0.185	3.29	30408.3	
	EXCAVA SANE0	4.751	95.20	41879.6	TERRAP SANE0	4.751	95.20	42520.9	
	VEGETAL	1.495	29.78	37625.5					
111600.000	FIRME	8.538	178.53	125202.4	D TIERRA	4.689	99.94	160198.2	
	S SEL2	4.848	106.57	67934.1	SUELO EST3	4.935	108.29	85070.0	
	D FIRME	5.356	120.21	61153.4	TERRAPLEN	0.294	4.79	30413.1	
	EXCAVA SANE0	4.883	96.33	41975.9	TERRAP SANE0	4.883	96.33	42617.2	
	VEGETAL	1.502	29.97	37655.5					
111620.000	FIRME	7.580	161.18	125363.6	D TIERRA	4.114	88.03	160286.2	
	S SEL2	4.057	89.05	68023.2	SUELO EST3	4.143	90.78	85160.8	
	D FIRME	4.265	96.21	61249.6	TERRAPLEN	0.509	8.03	30421.2	
	EXCAVA SANE0	4.888	97.71	42073.6	TERRAP SANE0	4.888	97.71	42714.9	
	VEGETAL	1.506	30.08	37685.6					
111640.000	FIRME	7.281	148.62	125512.2	D TIERRA	5.464	95.77	160382.0	
	S SEL2	4.510	85.67	68108.8	SUELO EST3	4.597	87.40	85248.2	
	D FIRME	4.307	85.72	61335.3	TERRAPLEN	0.874	13.82	30435.0	
	EXCAVA SANE0	4.860	97.48	42171.1	TERRAP SANE0	4.860	97.48	42812.4	
	VEGETAL	1.521	30.26	37715.8					
111660.000	FIRME	7.511	147.93	125660.2	D TIERRA	7.088	125.51	160507.5	
	S SEL2	4.817	93.27	68202.1	SUELO EST3	4.906	95.03	85343.2	
	D FIRME	4.940	92.47	61427.8	TERRAPLEN	0.376	12.50	30447.5	
	EXCAVA SANE0	4.839	96.99	42268.1	TERRAP SANE0	4.839	96.99	42909.4	
	VEGETAL	1.544	30.64	37746.5					
111680.000	FIRME	9.692	172.03	125832.2	D TIERRA	11.360	184.47	160692.0	
	S SEL2	6.359	111.76	68313.9	SUELO EST3	6.446	113.52	85456.8	
	D FIRME	7.146	120.86	61548.6	TERRAPLEN	0.256	6.32	30453.8	
	EXCAVA SANE0	5.059	98.98	42367.0	TERRAP SANE0	5.059	98.98	43008.4	
	VEGETAL	1.583	31.27	37777.8					
111700.000	FIRME	9.789	194.81	126027.0	D TIERRA	12.095	234.55	160926.6	
	S SEL2	6.399	127.59	68441.5	SUELO EST3	6.486	129.32	85586.1	
	D FIRME	7.158	143.05	61691.7	TERRAPLEN	0.653	9.08	30462.9	
	EXCAVA SANE0	5.230	102.89	42469.9	TERRAP SANE0	5.230	102.89	43111.2	
	VEGETAL	1.610	31.93	37809.7					

Istram 18.05.05.29 17/07/18 18:00:39 459

PROYECTO :

EJE: 2: Autov^{de} Castilla A-62: Due^s-Cigales Izq.

pagina 84

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
=====									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
=====									
111720.000	FIRME	9.887	196.76	126223.8	D TIERRA	12.971	250.66	161177.2	
	S SEL2	6.437	128.36	68569.8	SUELO EST3	6.523	130.09	85716.2	
	D FIRME	7.168	143.26	61835.0	TERRAPLEN	0.567	12.20	30475.1	
	EXCAVA SANE0	5.276	105.06	42575.0	TERRAP SANE0	5.276	105.06	43216.3	
	VEGETAL	1.635	32.45	37842.1					
111740.000	FIRME	9.905	197.92	126421.7	D TIERRA	13.838	268.09	161445.3	
	S SEL2	6.437	128.74	68698.6	SUELO EST3	6.523	130.46	85846.6	
	D FIRME	7.174	143.42	61978.4	TERRAPLEN	0.426	9.93	30485.0	
	EXCAVA SANE0	5.279	105.56	42680.5	TERRAP SANE0	5.279	105.56	43321.9	
	VEGETAL	1.639	32.74	37874.9					
111760.000	FIRME	9.895	198.01	126619.7	D TIERRA	14.921	287.59	161732.9	
	S SEL2	6.424	128.61	68827.2	SUELO EST3	6.510	130.33	85976.9	
	D FIRME	7.181	143.56	62121.9	TERRAPLEN	0.249	6.75	30491.8	
	EXCAVA SANE0	5.239	105.18	42785.7	TERRAP SANE0	5.239	105.18	43427.0	
	VEGETAL	1.635	32.74	37907.6					
111780.000	FIRME	9.885	197.81	126817.5	D TIERRA	16.214	311.35	162044.2	
	S SEL2	6.409	128.33	68955.5	SUELO EST3	6.495	130.05	86107.0	
	D FIRME	7.234	144.15	62266.1	TERRAPLEN	0.085	3.34	30495.1	
	EXCAVA SANE0	5.108	103.47	42889.2	TERRAP SANE0	5.108	103.47	43530.5	
	VEGETAL	1.619	32.53	37940.1					
111800.000	FIRME	9.874	197.59	127015.1	D TIERRA	16.693	329.07	162373.3	
	S SEL2	6.397	128.06	69083.6	SUELO EST3	6.483	129.78	86236.8	
	D FIRME	7.494	147.27	62413.4	TERRAPLEN	0.058	1.42	30496.5	
	EXCAVA SANE0	1.368	64.76	42954.0	TERRAP SANE0	1.368	64.76	43595.3	
	VEGETAL	1.535	31.54	37971.7					
111820.000	FIRME	9.867	197.40	127212.5	D TIERRA	16.591	332.84	162706.2	
	S SEL2	6.390	127.87	69211.4	SUELO EST3	6.474	129.57	86366.3	
	D FIRME	7.921	154.15	62567.5	TERRAPLEN	0.044	1.02	30497.5	
	EXCAVA SANE0	4.380	57.47	43011.4	TERRAP SANE0	4.380	57.47	43652.7	
	VEGETAL	1.386	29.21	38000.9					
111840.000	FIRME	9.862	197.28	127409.8	D TIERRA	16.498	330.89	163037.1	
	S SEL2	6.383	127.73	69393.2	SUELO EST3	6.470	129.44	86495.8	
	D FIRME	7.975	158.97	62726.5	TERRAPLEN	0.063	1.07	30498.6	
	EXCAVA SANE0	4.287	86.67	43098.1	TERRAP SANE0	4.287	86.67	43739.4	
	VEGETAL	1.359	27.45	38028.3					

111880.000	FIRME	9.864	197.28	127804.3	D TIERRA	15.583	316.57	163679.3
	S SEL2	6.400	127.96	69594.9	SUELO EST3	6.472	129.42	86754.6
	D FIRME	8.060	160.61	63046.9	TERRAPLEN	0.015	0.41	30499.9
	EXCAVA SANEO	4.182	84.12	43267.4	TERRAP SANEO	4.182	84.12	43908.7
111900.000	VEGETAL	1.307	26.42	38081.7				
	FIRME	9.864	197.28	128001.6	D TIERRA	15.308	308.92	163988.3
	S SEL2	6.411	128.11	69723.0	SUELO EST3	6.471	129.43	86884.0
	D FIRME	8.108	161.68	63208.5	TERRAPLEN	0.003	0.18	30500.1
111920.000	EXCAVA SANEO	4.137	83.19	43350.6	TERRAP SANEO	4.137	83.19	43991.9
	VEGETAL	1.280	25.87	38107.6				
	FIRME	9.865	197.30	128198.9	D TIERRA	15.001	303.09	164291.3
	S SEL2	6.424	128.35	69851.4	SUELO EST3	6.472	129.43	87013.5
111940.000	D FIRME	8.157	162.65	63371.2	TERRAPLEN	0.000	0.03	30500.1
	EXCAVA SANEO	4.061	81.98	43432.6	TERRAP SANEO	4.061	81.98	44073.9
	VEGETAL	1.249	25.29	38132.9				
	FIRME	9.864	197.29	128396.2	D TIERRA	14.725	297.25	164588.6
111960.000	S SEL2	6.430	128.54	69979.9	SUELO EST3	6.472	129.44	87142.9
	D FIRME	8.214	163.71	63534.9	EXCAVA SANEO	3.973	80.34	43512.9
	TERRAP SANEO	3.973	80.34	44154.2	VEGETAL	1.222	24.72	38157.6
	FIRME	9.864	197.27	128593.5	D TIERRA	15.142	298.67	164887.3
111980.000	S SEL2	6.420	128.50	70108.4	SUELO EST3	6.471	129.43	87272.3
	D FIRME	8.284	164.98	63699.9	EXCAVA SANEO	3.904	78.77	43591.7
	TERRAP SANEO	3.904	78.77	44233.0	VEGETAL	1.201	24.24	38181.8
	FIRME	9.863	197.27	128790.7	D TIERRA	17.357	324.99	165212.3
112000.000	S SEL2	6.383	128.03	70236.5	SUELO EST3	6.469	129.40	87401.7
	D FIRME	5.468	137.52	63837.4	TERRAPLEN	0.020	0.20	30500.3
	EXCAVA SANEO	0.645	45.49	43637.2	TERRAP SANEO	0.645	45.49	44278.5
	VEGETAL	2.352	35.54	38217.3				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 86

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112020.000	FIRME	9.859	197.20	129185.2	D TIERRA	20.582	386.87	165953.7		
	S SEL2	6.379	127.61	70491.7	SUELO EST3	6.465	129.34	87660.4		
	D FIRME	5.448	108.80	64055.2	TERRAPLEN	0.020	0.44	30501.2		
	EXCAVA SANEO	0.559	12.20	43662.4	TERRAP SANEO	0.559	12.20	44303.7		
112040.000	VEGETAL	2.507	49.11	38314.0						
	FIRME	9.857	197.16	129382.3	D TIERRA	24.350	449.32	166403.1		
	S SEL2	6.376	127.55	70619.3	SUELO EST3	6.463	129.28	87789.7		
	D FIRME	5.469	109.16	64164.4	TERRAPLEN	0.020	0.40	30501.6		
112060.000	EXCAVA SANEO	0.000	5.59	43668.0	TERRAP SANEO	0.000	5.59	44309.3		
	VEGETAL	2.674	51.81	38365.8						
	FIRME	9.854	197.11	129579.4	D TIERRA	26.913	512.63	166915.7		
	S SEL2	6.374	127.50	70746.8	SUELO EST3	6.458	129.21	87918.9		
112080.000	D FIRME	5.459	109.28	64273.6	TERRAPLEN	0.020	0.40	30502.0		
	VEGETAL	2.880	55.54	38421.4						
	FIRME	9.851	197.05	129776.5	D TIERRA	27.767	546.80	167462.5		
	S SEL2	6.369	127.43	70874.2	SUELO EST3	6.455	129.14	88048.1		
112100.000	D FIRME	5.413	108.73	64382.4	TERRAPLEN	0.020	0.40	30502.4		
	VEGETAL	3.095	59.75	38481.1						
	FIRME	9.847	196.97	129973.5	D TIERRA	25.903	536.69	167999.2		
	S SEL2	6.364	127.33	71001.5	SUELO EST3	6.451	129.07	88177.2		
112120.000	D FIRME	5.354	107.68	64490.0	TERRAPLEN	0.044	0.64	30503.0		
	VEGETAL	3.256	63.51	38544.6						
	FIRME	9.843	196.89	130170.4	D TIERRA	23.858	497.61	168496.8		
	S SEL2	6.360	127.25	71128.8	SUELO EST3	6.446	128.97	88306.1		
112140.000	D FIRME	5.292	106.47	64596.5	TERRAPLEN	0.052	0.96	30504.0		
	VEGETAL	3.146	64.01	38608.6						
	FIRME	8.882	187.25	130357.6	D TIERRA	17.970	418.28	168915.1		
	S SEL2	5.589	119.49	71248.3	SUELO EST3	5.762	122.08	88428.2		
112160.000	D FIRME	5.221	105.13	64701.6	TERRAPLEN	0.001	0.53	30504.5		
	VEGETAL	1.832	49.78	38658.4						
	FIRME	8.527	174.09	130531.7	D TIERRA	17.016	349.87	169264.9		
	S SEL2	5.427	110.16	71358.4	SUELO EST3	5.540	113.02	88541.2		
112180.000	D FIRME	5.429	106.49	64808.1	VEGETAL	1.620	34.52	38692.9		
	FIRME	8.588	171.15	130702.8	D TIERRA	16.735	337.51	169602.5		
	S SEL2	5.528	109.55	71468.0	SUELO EST3	5.661	112.01	88653.2		
	D FIRME	5.490	109.19	64917.3	VEGETAL	1.608	32.28	38725.2		

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 87

PROYECTO : EJE: 2: Autov ^{da} de Castilla A-62: Due ^{ña} s-Cigales Izq.										
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112200.000	FIRME	8.582		171.70	130874.6	D TIERRA	16.156		328.90	169931.4
	S SEL2	5.550		110.78	71578.7	SUELO EST3	5.656		113.18	88766.4
	D FIRME	5.460		109.50	65026.8	VEGETAL	1.617		32.25	38757.5
112220.000	FIRME	8.665		172.47	131047.0	D TIERRA	15.596		317.52	170248.9
	S SEL2	5.577		111.27	71690.0	SUELO EST3	5.718		113.75	88880.2
	D FIRME	5.427		108.87	65135.7	TERRAPLEN	0.001		0.01	30504.6
	VEGETAL	1.672		32.89	38790.4					
112240.000	FIRME	8.688		173.53	131220.6	D TIERRA	14.943		305.40	170554.3
	S SEL2	5.640		112.17	71802.2	SUELO EST3	5.740		114.59	88994.7
	D FIRME	5.398		108.25	65244.0	TERRAPLEN	0.001		0.01	30504.6
	VEGETAL	1.698		33.70	38824.1					

112260.000	FIRME	9.824	185.12	131405.7	D TIERRA	15.248	301.91	170856.2
	S SEL2	6.338	119.78	71922.0	SUELO EST3	6.425	121.66	89116.4
	D FIRME	5.324	107.22	65351.2	TERRAPLEN	0.033	0.33	30504.9
	VEGETAL	2.391	40.88	38864.9				
112280.000	FIRME	8.909	187.33	131593.0	D TIERRA	11.369	266.17	171122.4
	S SEL2	5.623	119.61	72041.6	SUELO EST3	5.712	121.37	89237.8
	D FIRME	4.019	93.43	65444.6	TERRAPLEN	0.000	0.33	30505.2
	EXCAVA SANEO	6.842	68.42	43736.4	TERRAP SANEO	6.842	68.42	44377.8
112300.000	VEGETAL	2.422	48.12	38913.1				
	FIRME	7.619	165.28	131758.3	D TIERRA	8.709	200.78	171323.1
	S SEL2	4.420	100.44	72142.0	SUELO EST3	4.508	102.21	89340.0
	D FIRME	1.879	58.98	65503.6	EXCAVA SANEO	7.122	139.65	43876.1
112320.000	TERRAP SANEO	7.122	139.65	44517.4	VEGETAL	2.472	48.94	38962.0
	FIRME	8.456	160.74	131919.0	D TIERRA	8.821	175.30	171498.4
	S SEL2	4.972	93.92	72235.9	SUELO EST3	5.060	95.68	89435.7
	D FIRME	2.356	42.34	65545.9	TERRAPLEN	0.262	2.62	30507.9
112340.000	EXCAVA SANEO	8.622	157.44	44033.5	TERRAP SANEO	8.622	157.44	44674.8
	VEGETAL	2.653	51.25	39013.3				
	FIRME	8.846	173.01	132092.0	D TIERRA	10.061	188.81	171687.3
	S SEL2	5.125	100.97	72336.9	SUELO EST3	5.212	102.71	89538.4

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 88

PROYECTO : EJE: 2: Autov ^{da} de Castilla A-62: Due ^{ña} s-Cigales Izq.										
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112360.000	FIRME	8.865	177.11	132269.1	D TIERRA	10.308	203.69	171890.9		
	S SEL2	5.263	103.88	72440.8	SUELO EST3	5.351	105.62	89644.0		
	D FIRME	2.715	53.14	65648.6	TERRAPLEN	0.000	0.22	30510.9		
	EXCAVA SANEO	7.792	154.55	44350.9	TERRAP SANEO	7.792	154.55	44992.2		
112380.000	VEGETAL	2.667	53.14	39119.4						
	FIRME	9.183	180.49	132449.6	D TIERRA	7.911	182.19	172073.1		
	S SEL2	5.731	109.95	72550.7	SUELO EST3	5.819	111.70	89755.7		
	D FIRME	6.823	95.38	65744.0	EXCAVA SANEO	4.051	118.43	44469.3		
112400.000	TERRAP SANEO	4.051	118.43	45110.7	VEGETAL	1.246	39.14	39158.5		
	FIRME	9.837	190.20	132639.8	D TIERRA	7.881	157.92	172231.1		
	S SEL2	6.010	117.41	72668.1	SUELO EST3	6.097	119.16	89874.8		
	D FIRME	7.316	141.39	65885.4	EXCAVA SANEO	4.074	81.25	44550.6		
112420.000	TERRAP SANEO	4.074	81.25	45191.9	VEGETAL	1.253	25.00	39183.5		
	FIRME	8.746	185.83	132825.7	D TIERRA	7.218	150.99	172382.0		
	S SEL2	5.192	112.01	72780.2	SUELO EST3	5.281	113.77	89988.6		
	D FIRME	5.759	130.75	66016.1	EXCAVA SANEO	4.148	82.21	44632.8		
112440.000	TERRAP SANEO	4.148	82.21	45274.1	VEGETAL	1.400	26.53	39210.1		
	FIRME	8.348	170.94	132996.6	D TIERRA	7.293	145.11	172527.2		
	S SEL2	5.054	102.45	72882.6	SUELO EST3	5.142	104.22	90092.8		
	D FIRME	5.063	108.22	66124.4	TERRAPLEN	0.053	0.53	30511.5		
112460.000	EXCAVA SANEO	4.418	85.66	44718.5	TERRAP SANEO	4.418	85.66	45359.8		
	VEGETAL	1.622	30.22	39240.3						
	FIRME	8.880	172.28	133168.9	D TIERRA	7.117	144.10	172671.3		
	S SEL2	5.588	106.42	72989.0	SUELO EST3	5.676	108.18	90201.0		
112480.000	D FIRME	5.678	107.41	66231.8	TERRAPLEN	0.879	9.32	30520.8		
	EXCAVA SANEO	4.682	91.00	44809.5	TERRAP SANEO	4.682	91.00	45450.8		
	VEGETAL	1.686	33.07	39273.3						
	FIRME	8.003	168.83	133337.7	D TIERRA	5.718	128.36	172799.6		
112500.000	S SEL2	4.999	105.87	73094.9	SUELO EST3	5.085	107.61	90308.6		
	D FIRME	4.443	101.21	66333.0	TERRAPLEN	1.170	20.49	30541.3		
	EXCAVA SANEO	5.106	97.88	44907.3	TERRAP SANEO	5.106	97.88	45548.7		
	VEGETAL	1.811	34.97	39308.3						
112500.000	FIRME	8.145	161.49	133499.2	D TIERRA	4.450	101.68	172901.3		
	S SEL2	4.923	99.22	73194.1	SUELO EST3	5.010	100.96	90409.6		
	D FIRME	3.946	83.89	66416.9	TERRAPLEN	1.303	24.73	30566.0		
	EXCAVA SANEO	5.556	106.62	45014.0	TERRAP SANEO	5.556	106.62	45655.3		
112500.000	VEGETAL	1.952	37.63	39345.9						

112600.000	FIRME	11.005	195.22	134332.4	D TIERRA	12.035	194.76	173528.2
	S SEL2	7.324	128.04	73703.8	SUELO EST3	7.411	129.78	90927.9
	D FIRME	7.268	118.46	66816.3	TERRAPLEN	0.631	14.52	30660.4
	EXCAVA SANE0	6.974	137.86	45677.7	TERRAP SANE0	6.974	137.86	46319.0
112620.000	VEGETAL	2.146	42.42	39552.6				
	FIRME	10.010	210.15	134542.5	D TIERRA	10.501	225.36	173753.6
	S SEL2	6.572	138.96	73842.7	SUELO EST3	6.657	140.68	91068.6
	D FIRME	6.124	133.91	66950.2	TERRAPLEN	0.808	14.39	30674.8
112640.000	EXCAVA SANE0	6.967	139.41	45817.1	TERRAP SANE0	6.967	139.41	46458.4
	VEGETAL	2.143	42.89	39595.5				
	FIRME	6.887	168.97	134711.5	D TIERRA	5.772	162.72	173916.3
	S SEL2	4.399	109.72	73952.4	SUELO EST3	4.487	111.44	91180.1
	D FIRME	2.896	90.20	67040.4	TERRAPLEN	1.073	18.81	30693.6
	EXCAVA SANE0	6.846	138.13	45955.2	TERRAP SANE0	6.846	138.13	46596.5
	VEGETAL	2.106	42.50	39638.0				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 90
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

112660.000	FIRME	6.894	137.81	134849.3	D TIERRA	5.608	113.79	174030.1
	S SEL2	4.386	87.85	74040.3	SUELO EST3	4.473	89.60	91269.7
	D FIRME	2.992	58.89	67099.3	TERRAPLEN	0.808	18.81	30712.5
	EXCAVA SANE0	6.740	135.85	46091.1	TERRAP SANE0	6.740	135.85	46732.4
112680.000	VEGETAL	2.074	41.81	39679.8				
	FIRME	9.486	163.80	135013.1	D TIERRA	9.879	154.87	174184.9
	S SEL2	6.257	106.42	74146.7	SUELO EST3	6.345	108.18	91377.8
	D FIRME	5.554	85.47	67184.8	TERRAPLEN	0.789	15.97	30728.4
112700.000	EXCAVA SANE0	7.329	140.68	46231.7	TERRAP SANE0	7.329	140.68	46873.1
	VEGETAL	2.255	43.29	39723.1				
	FIRME	11.515	210.02	135223.1	D TIERRA	13.613	234.92	174419.9
	S SEL2	7.670	139.26	74286.0	SUELO EST3	7.755	141.00	91518.8
112720.000	D FIRME	7.355	129.10	67313.9	TERRAPLEN	1.088	18.77	30747.2
	EXCAVA SANE0	7.728	150.57	46382.3	TERRAP SANE0	7.728	150.57	47023.6
	VEGETAL	2.378	46.33	39769.4				
	FIRME	11.626	231.42	135454.6	D TIERRA	14.632	282.45	174702.3
112740.000	S SEL2	7.731	154.00	74440.0	SUELO EST3	7.821	155.76	91674.6
	D FIRME	7.322	146.77	67460.6	TERRAPLEN	0.911	19.99	30767.2
	EXCAVA SANE0	7.937	156.66	46539.0	TERRAP SANE0	7.937	156.66	47180.3
	VEGETAL	2.448	48.26	39817.7				
112760.000	FIRME	11.634	232.60	135687.2	D TIERRA	15.015	296.47	174998.8
	S SEL2	7.751	154.82	74594.8	SUELO EST3	7.836	156.57	91831.2
	D FIRME	7.285	146.07	67606.7	TERRAPLEN	0.957	18.68	30785.9
	EXCAVA SANE0	8.016	159.53	46698.5	TERRAP SANE0	8.016	159.53	47339.8
112780.000	VEGETAL	2.472	49.20	39866.9				
	FIRME	11.640	232.73	135919.9	D TIERRA	15.317	303.32	175302.1
	S SEL2	7.767	155.19	74750.0	SUELO EST3	7.852	156.88	91988.0
	D FIRME	7.292	145.77	67752.5	TERRAPLEN	0.729	16.86	30802.7
	EXCAVA SANE0	7.805	158.21	46856.7	TERRAP SANE0	7.805	158.21	47498.0
	VEGETAL	2.475	49.47	39916.4				
	FIRME	11.646	232.85	136152.7	D TIERRA	16.229	315.46	175617.6
	S SEL2	7.727	154.94	74904.9	SUELO EST3	7.868	157.20	92145.2
	D FIRME	7.258	145.50	67898.0	TERRAPLEN	0.539	12.68	30815.4
	EXCAVA SANE0	7.681	154.87	47011.6	TERRAP SANE0	7.681	154.87	47652.9
	VEGETAL	2.511	49.86	39966.2				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 91
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

112800.000	FIRME	11.650	232.95	136385.7	D TIERRA	17.330	335.59	175953.1
	S SEL2	7.711	154.38	75059.3	SUELO EST3	7.874	157.42	92302.7
	D FIRME	7.237	144.96	68042.9	TERRAPLEN	0.453	9.92	30825.3
	EXCAVA SANE0	7.678	153.59	47165.2	TERRAP SANE0	7.678	153.59	47806.5
112820.000	VEGETAL	2.539	50.50	40016.7				
	FIRME	11.654	233.03	136618.7	D TIERRA	18.510	358.40	176311.5
	S SEL2	7.684	153.96	75213.3	SUELO EST3	7.856	157.30	92460.0
	D FIRME	7.305	145.43	68188.4	TERRAPLEN	0.188	6.40	30831.7
112840.000	EXCAVA SANE0	2.037	97.15	47262.3	TERRAP SANE0	2.037	97.15	47903.6
	VEGETAL	2.530	50.69	40067.4				
	FIRME	11.649	233.03	136851.8	D TIERRA	18.830	373.40	176685.0
	S SEL2	7.688	153.72	75367.0	SUELO EST3	7.858	157.14	92617.1
112860.000	D FIRME	7.331	146.36	68334.7	TERRAPLEN	0.131	3.19	30834.9
	EXCAVA SANE0	7.518	95.56	47357.9	TERRAP SANE0	7.518	95.56	47999.2
	VEGETAL	2.508	50.38	40117.8				
	FIRME	11.644	232.94	137084.7	D TIERRA	19.733	385.64	177070.6
112880.000	S SEL2	7.647	153.35	75520.3	SUELO EST3	7.821	156.79	92773.9
	D FIRME	7.337	146.69	68481.4	TERRAPLEN	0.092	2.23	30837.2
	EXCAVA SANE0	1.823	93.41	47451.3	TERRAP SANE0	1.823	93.41	48092.6
	VEGETAL	2.506	50.14	40167.9				
112900.000	FIRME	11.620	232.64	137317.3	D TIERRA	14.324	340.57	177411.2
	S SEL2	0.000	76.47	75596.8	SUELO EST3	7.760	155.81	92929.7
	D FIRME	7.313	146.50	68627.9	TERRAPLEN	0.695	7.87	30845.0
	EXCAVA SANE0	0.000	18.23	47469.5	TERRAP SANE0	0.000	18.23	48110.8
112920.000	VEGETAL	2.498	50.04	40218.0				
	FIRME	11.598	232.18	137549.5	D TIERRA	16.313	306.37	177717.5
	SUELO EST3	7.715	154.75	93084.5	D FIRME	7.307	146.20	68774.1
	TERRAPLEN	0.750	14.45	30859.5	VEGETAL	2.480	49.78	40267.7
	FIRME	11.577	231.75	137781.3	D TIERRA	17.726	340.39	178057.9
	SUELO EST3	7.678	153.93	93238.4	D FIRME	7.319	146.26	68920.4

112940.000	TERRAPLEN	0.446	11.96	30871.4	VEGETAL	2.468	49.48	40317.2
	FIRME	11.534	231.11	138012.4	D TIERRA	19.040	367.65	178425.6
	SUELO EST3	7.605	152.83	93391.2	D FIRME	7.323	146.42	69066.8
112960.000	TERRAPLEN	0.131	5.77	30877.2	VEGETAL	2.440	49.08	40366.3
	FIRME	11.485	230.19	138242.6	D TIERRA	19.929	389.68	178815.3
	SUELO EST3	7.534	151.39	93542.6	D FIRME	7.337	146.60	69213.4
	TERRAPLEN	0.021	1.51	30878.7	VEGETAL	2.403	48.43	40414.7

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 92
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

112980.000	FIRME	11.425	229.10	138471.7	D TIERRA	21.075	410.04	179225.3
	SUELO EST3	7.461	149.95	93692.5	D FIRME	7.356	146.93	69360.3
	TERRAPLEN	0.021	0.42	30879.1	VEGETAL	2.352	47.55	40462.3
113000.000	FIRME	11.407	228.32	138700.0	D TIERRA	22.299	433.74	179659.0
	SUELO EST3	7.436	148.96	93841.5	D FIRME	7.336	146.91	69507.2
	TERRAPLEN	0.021	0.42	30879.6	VEGETAL	2.365	47.17	40509.5
113020.000	FIRME	11.398	228.05	138928.0	D TIERRA	22.104	444.03	180103.1
	SUELO EST3	7.433	148.69	93990.2	D FIRME	7.373	147.09	69654.3
	TERRAPLEN	0.021	0.42	30880.0	VEGETAL	2.344	47.09	40556.6
113040.000	FIRME	11.380	227.78	139155.8	D TIERRA	21.956	440.60	180543.7
	SUELO EST3	7.411	148.45	94138.6	D FIRME	7.278	146.51	69800.8
	TERRAPLEN	0.021	0.42	30880.4	VEGETAL	2.337	46.81	40603.4
113060.000	FIRME	11.403	227.83	139383.7	D TIERRA	20.776	427.32	180971.0
	SUELO EST3	7.437	148.48	94287.1	D FIRME	7.261	145.39	69946.2
	TERRAPLEN	0.021	0.41	30880.8	VEGETAL	2.350	46.87	40650.2
113080.000	FIRME	11.422	228.25	139611.9	D TIERRA	19.743	405.19	181376.2
	SUELO EST3	7.457	148.94	94436.1	D FIRME	7.222	144.83	70091.1
	TERRAPLEN	0.020	0.40	30881.2	VEGETAL	2.330	46.81	40697.0
113100.000	FIRME	11.460	228.82	139840.7	D TIERRA	18.248	379.91	181756.1
	SUELO EST3	7.503	149.60	94585.7	D FIRME	7.230	144.52	70235.6
	TERRAPLEN	0.019	0.39	30881.6	VEGETAL	2.328	46.58	40743.6
113120.000	FIRME	11.527	229.88	140070.6	D TIERRA	17.019	352.66	182108.7
	SUELO EST3	7.595	150.98	94736.6	D FIRME	7.247	144.77	70380.4
	TERRAPLEN	0.012	0.31	30881.9	VEGETAL	2.354	46.82	40790.4
113140.000	FIRME	11.284	228.11	140298.7	D TIERRA	15.270	322.88	182431.6
	SUELO EST3	7.533	151.28	94887.9	D FIRME	7.281	145.27	70525.6
	TERRAPLEN	0.034	0.46	30882.4	VEGETAL	2.258	46.11	40836.6
113160.000	FIRME	11.030	223.13	140521.9	D TIERRA	12.998	282.67	182714.3
	SUELO EST3	7.383	149.16	95037.1	D FIRME	7.316	145.97	70671.6
	TERRAPLEN	0.200	2.35	30884.7	VEGETAL	2.115	43.73	40880.3
113180.000	FIRME	10.949	219.79	140741.6	D TIERRA	10.391	233.88	182948.2
	SUELO EST3	7.313	146.96	95184.1	D FIRME	7.210	145.27	70816.9
	TERRAPLEN	0.648	8.48	30893.2	VEGETAL	2.105	42.20	40922.5
113200.000	FIRME	10.925	218.74	140960.4	D TIERRA	9.947	203.37	183151.6
	SUELO EST3	7.279	145.92	95330.0	D FIRME	7.220	144.30	70961.2
	TERRAPLEN	1.177	18.26	30911.5	VEGETAL	2.078	41.83	40964.3

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 94
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113460.000	FIRME	7.914	158.45	143169.4	D TIERRA	1.693	38.73	184131.0	
	SUELO EST3	4.874	96.34	96706.2	D FIRME	3.940	75.45	72147.9	
	TERRAPLEN	3.798	74.65	31750.5	VEGETAL	1.881	38.14	41445.0	
113480.000	FIRME	8.294	162.08	143331.4	D TIERRA	2.564	42.58	184173.6	
	SUELO EST3	5.169	100.42	96806.6	D FIRME	4.631	85.71	72233.6	
	TERRAPLEN	3.926	77.24	31827.7	VEGETAL	1.757	36.38	41481.4	
113500.000	FIRME	8.211	165.05	143496.5	D TIERRA	2.992	55.57	184229.2	
	SUELO EST3	5.154	103.22	96909.9	D FIRME	4.318	89.49	72323.1	
	TERRAPLEN	4.046	79.72	31907.4	VEGETAL	1.929	36.85	41518.2	
113520.000	FIRME	8.359	165.69	143662.2	D TIERRA	2.343	53.35	184282.5	
	SUELO EST3	5.182	103.35	97013.2	D FIRME	4.413	87.31	72410.5	
	TERRAPLEN	4.066	81.12	31988.6	VEGETAL	1.912	38.41	41556.6	
113540.000	FIRME	8.496	168.55	143830.7	D TIERRA	3.380	57.23	184339.8	
	SUELO EST3	5.199	103.81	97117.0	D FIRME	4.385	87.99	72498.4	
	TERRAPLEN	4.314	83.80	32072.4	VEGETAL	1.927	38.38	41595.0	
113560.000	FIRME	8.598	170.94	144001.7	D TIERRA	3.402	67.81	184407.6	
	SUELO EST3	5.147	103.47	97220.5	D FIRME	4.290	86.76	72585.2	
	TERRAPLEN	4.649	89.63	32162.0	VEGETAL	1.932	38.58	41633.6	
113580.000	FIRME	9.351	179.49	144181.2	D TIERRA	2.852	62.54	184470.1	
	SUELO EST3	5.783	109.31	97329.8	D FIRME	5.444	97.34	72682.5	
	TERRAPLEN	3.948	85.97	32248.0	VEGETAL	1.853	37.85	41671.5	
113600.000	FIRME	9.278	186.29	144367.4	D TIERRA	2.636	54.88	184525.0	
	SUELO EST3	5.953	117.37	97447.2	D FIRME	5.692	111.36	72793.9	
	TERRAPLEN	0.086	40.34	32288.3	VEGETAL	1.811	36.64	41708.1	
113620.000	FIRME	8.618	178.96	144546.4	D TIERRA	1.577	42.13	184567.1	
	SUELO EST3	5.389	113.43	97560.6	D FIRME	4.703	103.95	72897.8	
	TERRAPLEN	0.016	1.02	32289.3	VEGETAL	1.784	35.95	41744.1	
113640.000	FIRME	9.156	177.74	144724.1	D TIERRA	1.674	32.51	184599.6	
	SUELO EST3	5.607	109.96	97670.6	D FIRME	4.782	94.85	72992.7	
	TERRAPLEN	0.016	0.33	32289.6	VEGETAL	1.785	35.68	41779.7	
113660.000	FIRME	10.153	193.09	144917.2	D TIERRA	0.123	17.97	184617.6	
	SUELO EST3	6.625	122.32	97792.9	D FIRME	5.864	106.46	73099.2	
	TERRAPLEN	3.913	39.29	32328.9	TERRAP SANE0	0.011	0.11	48111.0	
	VEGETAL	1.660	34.44	41814.2					
113680.000	FIRME	9.766	199.19	145116.4	D TIERRA	0.000	1.23	184618.8	
	SUELO EST3	5.906	125.30	97918.2	D FIRME	3.698	95.62	73194.8	
	TERRAPLEN	4.689	86.02	32415.0	TERRAP SANE0	1.001	10.12	48121.1	
	VEGETAL	1.602	32.62	41846.8					

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 95
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113700.000	FIRME	9.759	195.25	145311.7	SUELO EST3	6.541	124.47	98042.7	
	D FIRME	2.281	59.78	73254.6	TERRAPLEN	5.313	100.02	32515.0	
	TERRAP SANE0	0.487	14.88	48136.0	VEGETAL	1.564	31.67	41878.5	
113720.000	FIRME	8.133	178.92	145490.6	SUELO EST3	5.505	120.46	98163.1	
	D FIRME	3.770	60.50	73315.1	TERRAPLEN	6.071	113.84	32628.8	
	EXCAVA SANE0	7.152	71.52	47541.1	TERRAP SANE0	10.784	112.72	48248.7	
	VEGETAL	1.500	30.64	41909.1					
113740.000	FIRME	8.062	161.95	145652.5	SUELO EST3	5.455	109.61	98272.7	
	D FIRME	5.757	95.27	73410.3	TERRAPLEN	8.231	143.02	32771.8	
	EXCAVA SANE0	9.115	162.67	47703.8	TERRAP SANE0	14.873	256.57	48505.3	
	VEGETAL	1.440	29.40	41938.5					
113760.000	FIRME	8.029	160.91	145813.5	SUELO EST3	5.435	108.90	98381.6	
	D FIRME	6.070	118.27	73528.6	TERRAPLEN	10.752	189.82	32961.7	
	EXCAVA SANE0	9.277	183.93	47887.7	TERRAP SANE0	15.347	302.19	48807.5	
	VEGETAL	1.378	28.18	41966.7					
113780.000	FIRME	8.040	160.68	145974.1	SUELO EST3	5.440	108.75	98490.4	
	D FIRME	6.170	122.40	73651.0	TERRAPLEN	11.395	221.47	33183.1	
	EXCAVA SANE0	9.269	185.47	48073.2	TERRAP SANE0	15.440	307.87	49115.3	
	VEGETAL	1.334	27.12	41993.8					
113800.000	FIRME	8.061	161.00	146135.1	SUELO EST3	5.455	108.96	98599.3	
	D FIRME	6.251	124.22	73775.2	TERRAPLEN	12.929	243.24	33426.4	
	EXCAVA SANE0	9.291	185.60	48258.8	TERRAP SANE0	15.542	309.82	49425.2	
	VEGETAL	1.311	26.45	42020.2					
113820.000	FIRME	8.061	161.22	146296.4	SUELO EST3	5.461	109.17	98708.5	
	D FIRME	6.429	126.80	73902.0	TERRAPLEN	14.368	272.97	33699.3	
	EXCAVA SANE0	9.362	186.53	48445.3	TERRAP SANE0	15.791	313.33	49738.5	
	VEGETAL	1.270	25.81	42046.1					
113840.000	FIRME	8.059	161.20	146457.6	SUELO EST3	5.466	109.28	98817.8	
	D FIRME	5.242	116.71	74018.7	TERRAPLEN	16.353	307.21	34006.6	
	EXCAVA SANE0	9.610	189.72	48635.0	TERRAP SANE0	14.853	306.43	50044.9	
	VEGETAL	1.817	30.87	42076.9					
113860.000	FIRME	8.054	161.13	146618.7	SUELO EST3	5.467	109.33	98927.1	
	D FIRME	5.101	103.44	74122.2	TERRAPLEN	18.751	351.04	34357.6	
	EXCAVA SANE0	9.787	193.97	48829.0	TERRAP SANE0	14.888	297.41	50342.3	
	VEGETAL	1.948	37.65	42114.6					

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 96
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

113880.000	FIRME	8.048	161.02	146779.7	SUELO EST3	5.464	109.31	99036.4	
	D FIRME	5.094	101.95	74224.1	TERRAPLEN	19.973	387.24	34744.8	
	EXCAVA SANE0	9.876	196.63	49025.6	TERRAP SANE0	14.970	298.58	50640.9	
	VEGETAL	1.985	39.33	42153.9					
113900.000	FIRME	8.038	160.86	146940.6	SUELO EST3	5.461	109.26	99145.7	
	D FIRME	5.055	101.49	74325.6	TERRAPLEN	18.643	386.17	35131.0	
	EXCAVA SANE0	9.909	197.85	49223.5	TERRAP SANE0	14.964	299.34	50940.3	
	VEGETAL	2.014	39.99	42193.9					
113920.000	FIRME	8.028	160.66	147101.2	SUELO EST3	5.454	109.15	99254.8	
	D FIRME	5.099	101.54	74427.1	TERRAPLEN	17.528	361.71	35492.7	
	EXCAVA SANE0	0.000	99.09	49322.5	TERRAP SANE0	5.099	200.63	51140.9	
	VEGETAL	1.947	39.61	42233.5					
113940.000	FIRME	8.013	160.41	147261.6	SUELO EST3	5.446	109.01	99363.8	
	D FIRME	4.848	99.48	74526.6	TERRAPLEN	17.594	351.22	35843.9	
	TERRAP SANE0	4.848	99.48	51240.4	VEGETAL	1.970	39.17	42272.7	
113960.000	FIRME	7.996	160.09	147421.7	SUELO EST3	5.434	108.81	99472.6	
	D FIRME	5.016	98.65	74625.3	TERRAPLEN	16.503	340.98	36184.9	
	TERRAP SANE0	5.016	98.65	51339.0	VEGETAL	1.744	37.14	42309.8	
113980.000	FIRME	7.986	159.82	147581.6	SUELO EST3	5.430	108.65	99581.3	
	D FIRME	5.024	100.40	74725.7	TERRAPLEN	14.692	311.95	36496.9	
	TERRAP SANE0	5.024	100.40	51439.4	VEGETAL	1.656	34.00	42343.8	
114000.000	FIRME	7.993	159.80	147741.4	SUELO EST3	5.435	108.65	99689.9	
	D FIRME	4.982	100.05	74825.7	TERRAPLEN	12.247	269.38	36766.2	
	TERRAP SANE0	4.982	100.06	51539.5	VEGETAL	1.713	33.68	42377.5	
114020.000	FIRME	7.997	159.91	147901.3	SUELO EST3	5.438	108.72	99798.7	
	D FIRME	5.108	100.89	74926.6	TERRAPLEN	8.263	205.10	36971.3	
	TERRAP SANE0	5.108	100.89	51640.4	VEGETAL	1.806	35.18	42412.7	
114040.000	FIRME	7.999	159.97	148061.2	SUELO EST3	5.446	108.84	99907.5	
	D FIRME	3.081	81.88	75008.5	TERRAPLEN	4.696	129.59	37100.9	
	TERRAP SANE0	2.899	80.06	51720.4	VEGETAL	1.751	35.57	42448.3	
114060.000	FIRME	7.998	159.97	148221.2	D TIERRA	0.052	0.52	184619.4	
	SUELO EST3	5.432	108.79	100016.3	D FIRME	2.827	59.07	75067.6	
	TERRAPLEN	3.049	77.44	37178.4	TERRAP SANE0	1.298	41.97	51762.4	
	VEGETAL	1.642	33.93	42482.2					
114080.000	FIRME	8.016	160.14	148381.3	D TIERRA	0.279	3.31	184622.7	
	SUELO EST3	5.453	108.85	100125.1	D FIRME	2.843	56.70	75124.3	
	TERRAPLEN	1.216	42.65	37221.0	TERRAP SANE0	0.000	12.98	51775.4	
	VEGETAL	1.514	31.56	42513.7					

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 97
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114100.000	FIRME	8.000	160.16	148541.5	D TIERRA	1.116	13.95	184636.6	
	SUELO EST3	5.428	108.80	100234.0	D FIRME	3.864	67.07	75191.3	
	TERRAPLEN	0.587	18.03	37239.0	VEGETAL	1.485	29.99	42543.7	
114120.000	FIRME	7.976	159.76	148701.3	D TIERRA	2.598	37.14	184673.8	
	SUELO EST3	5.283	107.11	100341.1	D FIRME	4.637	85.01	75276.4	
	TERRAPLEN	0.145	7.32	37246.4	VEGETAL	1.439	29.24	42573.0	
114140.000	FIRME	7.918	158.95	148860.2	D TIERRA	5.124	77.22	184751.0	
	SUELO EST3	5.194	104.77	100445.8	D FIRME	5.277	99.14	75735.5	
	TERRAPLEN	0.036	1.81	37248.2	VEGETAL	1.386	28.25	42601.2	
114160.000	FIRME	8.325	162.44	149022.6	D TIERRA	6.801	119.25	184870.2	
	SUELO EST3	5.473	106.67	100552.5	D FIRME	5.258	105.35	75480.8	
	TERRAPLEN	0.052	0.87	37249.0	VEGETAL	1.639	30.25	42631.5	
114180.000	FIRME	8.432	167.57	149190.2	D TIERRA	7.627	144.27	185014.5	
	SUELO EST3	5.566	110.39	100662.9	D FIRME	5.121	103.79	75584.6	
	TERRAPLEN	0.020	0.71	37249.8	VEGETAL	1.772	34.11	42665.6	
114200.000	FIRME	8.722	171.54	149361.7	D TIERRA	10.336	179.63	185194.1	
	SUELO EST3	5.752	113.18	100776.1	D FIRME	5.067	101.88	75686.5	
	TERRAPLEN	0.020	0.40	37250.2	VEGETAL	1.941	37.13	42702.7	
114220.000	FIRME	8.843	175.65	149537.4	D TIERRA	12.136	224.73	185418.9	
	SUELO EST3	5.818	115.70	100891.8	D FIRME	5.079	101.46	75788.0	
	TERRAPLEN	0.008	0.28	37250.4	VEGETAL	1.996	39.37	42742.1	
114240.000	FIRME	8.817	176.60	149714.0	D TIERRA	14.046	261.82	185680.7	
	SUELO EST3	5.799	116.16	101007.9	D FIRME	5.145	102.25	75890.2	
	TERRAPLEN	0.020	0.28	37250.7	VEGETAL	2.000	39.97	42782.1	
114260.000	FIRME	8.182	169.99	149884.0	D TIERRA	10.487	245.33	185926.0	
	SUELO EST3	5.377	111.76	101119.7	D FIRME	5.192	103.37	75993.6	
	TERRAPLEN	0.209	2.29	37253.0	VEGETAL	1.603	36.04	42818.1	
114280.000	FIRME	7.765	159.48	150043.5	D TIERRA	4.120	146.07	186072.1	
	SUELO EST3	5.107	104.84	101224.5	D FIRME	5.235	104.27	76097.9	
	TERRAPLEN	0.092	3.01	37256.0	VEGETAL	1.340	29.44	42847.5	
114300.000	FIRME	7.666	154.31	150197.8	D TIERRA	5.979	101.00	186173.1	
	SUELO EST3	4.999	101.06	101325.6	D FIRME	5.249	104.84	76202.7	
	TERRAPLEN	0.017	1.09	37257.1	VEGETAL	1.263	26.03	42873.6	
114320.000	FIRME	8.806	164.71	150362.5	D TIERRA	9.446	154.25	186327.3	
	SUELO EST3	5.715	107.14	101432.7	D FIRME	5.185	104.34	76307.1	
	TERRAPLEN	0.020	0.37	37257.5	VEGETAL	1.924	31.86	42905.4	

114380.000	TERRAPLEN	0.413	6.42	37266.4	EXCAVA SANE0	8.947	89.47	49412.0
	TERRAP SANE0	8.947	89.47	15864.9	VEGETAL	1.023	28.93	42972.3
	FIRME	5.792	122.75	150814.4	D TIERRA	1.316	33.00	186665.3
114400.000	SUELO EST3	3.344	74.89	101720.1	D FIRME	3.302	78.02	76585.8
	TERRAPLEN	0.396	8.08	37274.5	EXCAVA SANE0	8.708	176.55	49588.6
	TERRAP SANE0	8.708	176.55	52041.4	VEGETAL	0.995	20.18	42992.5
114420.000	FIRME	5.575	113.67	150928.1	D TIERRA	1.021	23.36	186688.6
	SUELO EST3	3.412	67.56	101787.6	D FIRME	3.098	64.00	76649.8
	TERRAPLEN	0.490	8.86	37283.3	EXCAVA SANE0	8.503	172.11	49760.7
114440.000	TERRAP SANE0	8.503	172.11	52213.5	VEGETAL	0.972	19.67	43012.1
	FIRME	6.611	121.85	151049.9	D TIERRA	0.724	17.44	186706.1
	SUELO EST3	4.075	74.87	101862.5	D FIRME	3.042	61.41	76711.2
114460.000	TERRAPLEN	0.706	11.96	37295.3	EXCAVA SANE0	8.529	170.32	49931.0
	TERRAP SANE0	8.529	170.32	52383.8	VEGETAL	0.975	19.47	43031.6
	FIRME	7.745	143.56	151193.5	D TIERRA	0.171	8.95	186715.0
114480.000	SUELO EST3	5.251	93.26	101955.7	D FIRME	3.659	67.01	76778.2
	TERRAPLEN	0.995	17.01	37312.3	EXCAVA SANE0	8.520	170.49	50101.5
	TERRAP SANE0	8.520	170.49	52554.3	VEGETAL	0.974	19.49	43051.1
114500.000	FIRME	7.743	154.89	151348.3	D TIERRA	0.000	1.71	186716.7
	SUELO EST3	5.259	105.11	102060.9	D FIRME	4.038	76.97	76855.1
	TERRAPLEN	1.727	27.22	37339.5	EXCAVA SANE0	13.288	218.08	50319.6
114520.000	TERRAP SANE0	15.252	237.72	52792.1	VEGETAL	0.948	19.22	43070.3
	FIRME	7.718	154.62	151503.0	SUELO EST3	5.244	105.03	102165.9
	D FIRME	2.650	66.88	76922.0	TERRAPLEN	1.682	34.09	37373.6
114540.000	EXCAVA SANE0	12.168	254.56	50574.1	TERRAP SANE0	13.596	288.48	53080.5
	VEGETAL	0.949	18.97	43089.3				
	FIRME	9.257	169.76	151672.7	SUELO EST3	6.284	115.28	102281.2
114560.000	D FIRME	2.601	52.50	76974.5	TERRAPLEN	2.845	45.27	37418.9
	EXCAVA SANE0	14.496	266.64	50840.8	TERRAP SANE0	15.819	294.15	53374.7
	VEGETAL	1.303	22.52	43111.8				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 99
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114520.000	FIRME	8.476	177.33	151850.1	D TIERRA	0.041	0.41	186717.1	
	SUELO EST3	5.596	118.80	102400.0	D FIRME	5.702	83.03	77057.6	
	TERRAPLEN	2.458	53.02	37471.9	EXCAVA SANE0	7.967	224.64	51065.4	
	TERRAP SANE0	7.967	237.86	53612.5	VEGETAL	0.928	22.31	43134.1	
	MUROS	0.373	3.73	3.7					
114540.000	FIRME	6.145	146.21	151996.3	D TIERRA	1.663	17.05	186734.2	
	SUELO EST3	3.588	91.84	102491.8	D FIRME	3.622	93.24	77150.8	
	TERRAPLEN	0.871	33.28	37505.2	EXCAVA SANE0	7.798	157.65	51223.1	
	TERRAP SANE0	7.798	157.65	53770.2	VEGETAL	1.071	19.99	43154.1	
	MUROS	0.631	10.04	13.8					
114560.000	FIRME	8.982	151.27	152147.5	D TIERRA	10.568	122.31	186856.5	
	SUELO EST3	5.879	94.67	102586.5	D FIRME	7.508	111.30	77262.1	
	TERRAPLEN	0.529	14.00	37519.2	EXCAVA SANE0	4.856	126.54	51349.6	
	TERRAP SANE0	4.856	126.54	53896.7	VEGETAL	1.051	21.22	43175.3	
	MUROS	0.907	15.38	29.1					
114580.000	FIRME	8.991	179.73	152327.3	D TIERRA	15.581	261.48	187118.0	
	SUELO EST3	5.889	117.69	102704.2	D FIRME	7.579	150.87	77413.0	
	TERRAPLEN	0.769	12.98	37532.2	EXCAVA SANE0	0.000	48.56	51398.2	
	TERRAP SANE0	0.000	48.56	53945.3	VEGETAL	1.031	20.82	43196.1	
	MUROS	1.290	21.96	51.1					
114600.000	FIRME	8.988	179.79	152507.1	D TIERRA	22.718	382.98	187501.0	
	SUELO EST3	5.891	117.81	102822.0	D FIRME	7.496	150.75	77563.7	
	TERRAPLEN	0.174	9.43	37541.6	VEGETAL	1.063	20.94	43217.1	
	MUROS	1.634	29.24	80.4					
114620.000	FIRME	8.989	179.77	152686.8	D TIERRA	29.498	522.16	188023.1	
	SUELO EST3	5.892	117.84	102939.8	D FIRME	7.491	149.87	77713.6	
	TERRAPLEN	0.000	1.74	37543.3	VEGETAL	1.063	21.27	43238.4	
	MUROS	1.990	36.24	116.6					
114640.000	FIRME	9.188	181.77	152868.6	D TIERRA	37.423	669.22	188692.3	
	SUELO EST3	6.012	119.04	103058.8	D FIRME	7.560	150.51	77864.1	
	VEGETAL	1.119	21.83	43260.2	MUROS	2.341	43.30	159.9	
114660.000	FIRME	9.272	184.60	153053.2	D TIERRA	42.874	802.97	189495.3	
	SUELO EST3	6.065	120.77	103179.6	D FIRME	7.530	150.90	78015.0	
	VEGETAL	1.165	22.84	43283.0	MUROS	2.690	50.31	210.2	
114680.000	FIRME	9.121	183.93	153237.1	D TIERRA	50.725	936.00	190431.3	
	SUELO EST3	5.869	119.34	103299.0	D FIRME	7.569	150.99	78166.0	
	VEGETAL	1.092	22.56	43305.6	MUROS	2.551	52.41	262.6	

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 100
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114700.000	FIRME	8.898	180.19	153417.3	D TIERRA	51.164	1018.90	191450.2	
	SUELO EST3	5.821	116.89	103415.8	D FIRME	7.639	152.08	78318.1	
	VEGETAL	0.961	20.53	43236.1	MUROS	2.413	49.64	312.2	
114720.000	FIRME	8.643	175.41	153592.7	D TIERRA	56.695	1078.59	192528.8	
	SUELO EST3	5.651	114.72	103530.6	D FIRME	7.566	152.05	78470.1	
	VEGETAL	0.874	18.35	43344.5	MUROS	2.710	51.24	363.5	
114740.000	FIRME	8.387	170.30	153763.0	D TIERRA	59.339	1160.34	193689.1	
	SUELO EST3	5.479	111.31	103641.9	D FIRME	7.428	149.94	78620.0	
	VEGETAL	0.816	16.90	43361.4	MUROS	2.546	52.56	416.0	
114760.000	FIRME	8.135	165.21	153928.2	D TIERRA	61.360	1206.98	194896.1	
	SUELO EST3	5.313	107.92	103749.8	D FIRME	7.342	147.70	78767.8	
	VEGETAL	0.739	15.55	43376.9	MUROS	2.361	49.07	465.1	
114780.000	FIRME	7.890	160.25	154088.5	D TIERRA	60.316	1216.76	196112.9	

114800.000	SUELO EST3	5.150	104.63	103854.4	D FIRME	7.206	145.49	78913.2
	VEGETAL	0.683	14.23	43391.1	MUROS	2.455	48.16	513.3
	FIRME	8.181	160.71	154249.2	D TIERRA	63.188	1235.04	197347.9
114820.000	SUELO EST3	5.376	105.26	103959.7	D FIRME	7.208	144.14	79057.4
	VEGETAL	0.836	15.19	43406.3	MUROS	2.311	47.66	560.9
	FIRME	8.259	164.40	154413.6	D TIERRA	61.920	1251.08	198599.0
114840.000	SUELO EST3	5.445	108.21	104067.9	D FIRME	7.084	142.92	79200.3
	VEGETAL	0.932	17.68	43424.0	MUROS	2.198	45.09	606.0
	FIRME	8.332	165.91	154579.5	D TIERRA	59.392	1213.12	199812.1
114860.000	SUELO EST3	5.513	109.58	104177.5	D FIRME	7.068	141.52	79341.8
	VEGETAL	0.983	19.15	43443.2	MUROS	2.080	42.78	648.8
	FIRME	8.382	167.14	154746.6	D TIERRA	56.420	1158.12	200970.2
114880.000	SUELO EST3	5.555	110.68	104288.2	D FIRME	7.076	141.45	79483.3
	VEGETAL	1.008	19.90	43463.1	MUROS	1.985	40.65	689.5
	FIRME	8.421	168.04	154914.7	D TIERRA	53.743	1101.62	202071.9
114900.000	SUELO EST3	5.587	111.42	104399.6	D FIRME	7.093	141.69	79625.0
	VEGETAL	1.022	20.30	43483.4	MUROS	1.893	38.78	728.2
	FIRME	8.030	164.51	155079.2	D TIERRA	47.840	1015.82	203087.7
114920.000	SUELO EST3	5.254	108.40	104508.0	D FIRME	7.196	142.89	79767.9
	VEGETAL	0.759	17.81	43501.2	MUROS	1.829	37.21	765.4
	FIRME	7.691	157.21	155236.4	D TIERRA	41.827	896.67	203984.3
	SUELO EST3	5.016	102.69	104610.7	D FIRME	7.327	145.23	79913.1
	VEGETAL	0.546	13.05	43514.2	MUROS	1.634	34.63	800.1

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 101
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114940.000	FIRME	7.468	151.58	155388.0	D TIERRA	35.036	768.64	204753.0	
	SUELO EST3	4.879	98.94	104709.6	D FIRME	7.438	147.65	80060.7	
	VEGETAL	0.412	9.58	43523.8	MUROS	1.475	31.10	831.2	
114960.000	FIRME	7.405	148.73	155536.7	D TIERRA	31.983	670.20	205423.2	
	S SEL2	4.756	47.56	75644.4	SUELO EST3	4.841	97.20	104806.8	
	D FIRME	7.556	149.94	80210.7	VEGETAL	0.339	7.51	43531.3	
	MUROS	1.262	27.37	858.5					
114980.000	FIRME	7.510	149.16	155685.9	D TIERRA	30.649	626.33	206049.5	
	S SEL2	4.819	95.75	75740.1	SUELO EST3	4.904	97.45	104904.3	
	D FIRME	7.553	151.08	80361.8	VEGETAL	0.384	7.23	43538.5	
	MUROS	1.263	25.24	883.8					
115000.000	FIRME	7.769	152.79	155838.7	D TIERRA	29.345	599.94	206649.4	
	S SEL2	4.983	98.02	75838.1	SUELO EST3	5.067	99.71	105004.0	
	D FIRME	7.521	150.74	80512.5	VEGETAL	0.505	8.89	43547.4	
	MUROS	1.234	24.96	908.7					
115020.000	FIRME	8.123	158.92	155997.6	D TIERRA	25.309	546.54	207196.0	
	S SEL2	5.246	102.30	75940.4	SUELO EST3	5.331	103.98	105108.0	
	D FIRME	7.334	148.55	80661.1	VEGETAL	0.757	12.63	43560.1	
	MUROS	1.039	22.73	931.5					
115040.000	FIRME	8.164	162.87	156160.5	D TIERRA	17.703	430.12	207266.1	
	S SEL2	5.284	105.31	76045.7	SUELO EST3	5.369	107.00	105215.0	
	D FIRME	7.117	144.50	80805.6	VEGETAL	0.868	16.26	43576.3	
	MUROS	0.894	19.33	950.8					
115060.000	FIRME	8.205	163.69	156324.1	D TIERRA	16.902	346.06	207972.2	
	S SEL2	5.302	105.86	76151.6	SUELO EST3	5.391	107.60	105322.6	
	D FIRME	6.748	138.65	80944.2	VEGETAL	1.028	18.96	43595.3	
	MUROS	0.846	17.40	968.2					
115080.000	FIRME	8.245	164.50	156488.6	D TIERRA	13.877	307.79	208280.0	
	S SEL2	5.325	106.27	76257.9	SUELO EST3	5.410	108.01	105430.6	
	D FIRME	6.513	132.61	81076.8	VEGETAL	1.137	21.65	43616.9	
	MUROS	0.784	16.30	984.5					
115100.000	FIRME	8.283	165.28	156653.9	D TIERRA	9.922	237.99	208517.9	
	S SEL2	5.328	106.53	76364.4	SUELO EST3	5.412	108.22	105538.8	
	D FIRME	6.334	128.48	81205.3	TERRAPLEN	0.011	0.11	37543.4	
	EXCAVA SANO	2.438	24.38	51422.5	TERRAP SANO	2.438	24.38	53969.7	
	VEGETAL	1.219	23.56	43640.5	MUROS	0.645	14.29	998.8	

115220.000	S SEL2	5.949	117.24	76916.8	SUELO EST3	5.893	117.29	106097.9
	D FIRME	3.075	83.92	81763.4	TERRAPLEN	2.573	42.75	37625.9
	EXCAVA SANE0	2.781	54.74	51684.2	TERRAP SANE0	2.894	55.88	54232.5
	VEGETAL	1.345	26.91	43770.9				
	FIRME	8.670	173.21	157678.6	S SEL2	5.950	118.99	77035.7
115240.000	SUELO EST3	5.910	118.02	106215.9	D FIRME	2.793	58.68	81822.1
	TERRAPLEN	0.867	34.40	37660.3	EXCAVA SANE0	2.735	55.16	51739.4
	TERRAP SANE0	2.735	56.29	54288.8	VEGETAL	1.368	27.13	43798.0
	FIRME	8.687	173.57	157852.2	D TIERRA	0.002	0.02	208853.4
	S SEL2	5.961	119.10	77154.9	SUELO EST3	5.928	118.38	106334.3
	D FIRME	3.783	65.76	81887.9	TERRAPLEN	2.039	29.06	37689.4
	EXCAVA SANE0	2.751	54.85	51794.3	TERRAP SANE0	2.751	54.86	54343.7
	VEGETAL	1.375	27.43	43825.4				

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 103
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115260.000	FIRME	8.704	173.91	158026.1	D TIERRA	0.043	0.45	208853.9	
	S SEL2	5.934	118.95	77273.8	SUELO EST3	5.938	118.66	106453.0	
	D FIRME	4.245	80.28	81968.2	TERRAPLEN	1.467	35.06	37724.5	
	EXCAVA SANE0	2.825	55.75	51850.0	TERRAP SANE0	2.825	55.75	54399.4	
	VEGETAL	1.412	27.88	43853.3					
115280.000	FIRME	8.719	174.23	158200.3	D TIERRA	0.238	2.81	208856.7	
	S SEL2	5.869	118.03	77391.8	SUELO EST3	5.929	118.66	106571.6	
	D FIRME	5.481	97.26	82065.4	TERRAPLEN	0.968	24.35	37748.8	
	EXCAVA SANE0	2.883	57.08	51907.1	TERRAP SANE0	2.883	57.08	54456.5	
	VEGETAL	1.441	28.54	43881.8					
115300.000	FIRME	8.736	174.55	158374.9	D TIERRA	1.247	14.85	208871.6	
	S SEL2	5.786	116.54	77508.4	SUELO EST3	5.871	118.00	106689.6	
	D FIRME	6.046	115.27	82180.7	TERRAPLEN	0.659	16.27	37765.1	
	EXCAVA SANE0	2.921	58.05	51965.1	TERRAP SANE0	2.921	58.05	54514.6	
	VEGETAL	1.461	29.02	43910.9					
115320.000	FIRME	8.746	174.82	158549.7	D TIERRA	3.122	43.69	208915.3	
	S SEL2	5.622	114.08	77622.4	SUELO EST3	5.711	115.82	106805.4	
	D FIRME	5.801	118.47	82299.2	TERRAPLEN	0.104	7.63	37772.7	
	EXCAVA SANE0	2.955	58.77	52023.9	TERRAP SANE0	2.955	58.77	54573.3	
	VEGETAL	1.478	29.38	43940.2					
115340.000	FIRME	7.794	165.39	158715.1	D TIERRA	4.276	73.98	208989.2	
	S SEL2	4.702	103.24	77725.7	SUELO EST3	4.787	104.98	106910.4	
	D FIRME	4.382	101.83	82401.0	TERRAPLEN	0.002	1.06	37773.8	
	EXCAVA SANE0	2.995	59.50	52083.4	TERRAP SANE0	2.995	59.50	54632.8	
	VEGETAL	1.498	29.75	43970.0					
115360.000	FIRME	8.627	164.20	158879.3	D TIERRA	7.272	115.48	209104.7	
	S SEL2	5.559	102.61	77828.3	SUELO EST3	5.644	104.31	107014.7	
	D FIRME	5.916	102.97	82504.0	TERRAPLEN	0.002	0.03	37773.8	
	EXCAVA SANE0	3.066	60.61	52144.0	TERRAP SANE0	3.066	60.61	54693.4	
	VEGETAL	1.533	30.30	44000.3					
115380.000	FIRME	9.872	184.99	159064.3	D TIERRA	11.593	188.65	209293.4	
	S SEL2	6.476	120.35	77948.6	SUELO EST3	6.479	121.22	107136.0	
	D FIRME	7.340	132.56	82636.5	TERRAPLEN	0.147	1.49	37775.3	
	EXCAVA SANE0	3.108	61.73	52205.8	TERRAP SANE0	3.108	61.73	54755.2	
	VEGETAL	1.554	30.87	44031.2					

Istram 18.05.05.29 17/07/18 18:00:39 459 pagina 104
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115400.000	FIRME	9.890	197.62	159261.9	D TIERRA	14.631	262.23	209555.6	
	S SEL2	6.415	128.92	78077.6	SUELO EST3	6.501	129.80	107265.8	
	D FIRME	5.956	132.96	82769.5	TERRAPLEN	0.562	7.10	37782.4	
	EXCAVA SANE0	1.835	49.43	52255.2	TERRAP SANE0	1.835	49.43	54804.6	
	VEGETAL	2.169	37.23	44068.4					
115420.000	FIRME	9.906	197.95	159459.9	D TIERRA	17.259	318.89	209874.5	
	S SEL2	6.438	128.53	78206.1	SUELO EST3	6.523	130.25	107396.0	
	D FIRME	5.000	109.55	82879.0	TERRAPLEN	0.462	10.24	37792.6	
	EXCAVA SANE0	1.695	35.30	52290.5	TERRAP SANE0	1.695	35.30	54839.9	
	VEGETAL	2.575	47.44	44115.8					
115440.000	FIRME	9.922	198.28	159658.1	D TIERRA	20.665	379.23	210253.7	
	S SEL2	6.456	128.94	78335.0	SUELO EST3	6.546	130.69	107526.7	
	D FIRME	5.141	101.41	82980.4	TERRAPLEN	0.108	5.70	37798.3	
	EXCAVA SANE0	1.345	30.40	52320.9	TERRAP SANE0	1.345	30.40	54870.3	
	VEGETAL	2.552	51.27	44167.1					
115460.000	FIRME	9.940	198.62	159856.8	D TIERRA	26.329	469.94	210723.7	
	S SEL2	6.482	129.38	78464.4	SUELO EST3	6.565	131.11	107657.8	
	D FIRME	5.224	103.66	83084.1	TERRAPLEN	0.075	1.84	37800.2	
	EXCAVA SANE0	0.882	22.27	52343.2	TERRAP SANE0	0.882	22.27	54892.6	
	VEGETAL	2.585	51.37	44218.5					
115480.000	FIRME	9.954	198.94	160055.7	D TIERRA	30.235	565.64	211289.3	
	S SEL2	6.505	129.87	78594.3	SUELO EST3	6.589	131.54	107789.3	
	D FIRME	5.233	104.57	83188.7	TERRAPLEN	0.031	1.07	37801.2	
	EXCAVA SANE0	0.686	15.68	52358.8	TERRAP SANE0	0.686	15.68	54908.3	
	VEGETAL	2.665	52.50	44271.0					
115500.000	FIRME	9.969	199.23	160254.9	D TIERRA	31.021	612.55	211901.9	
	S SEL2	6.527	130.32	78724.6	SUELO EST3	6.612	132.01	107921.3	
	D FIRME	5.258	104.91	83293.6	TERRAPLEN	0.026	0.57	37801.8	
	EXCAVA SANE0	0.633	13.18	52372.0	TERRAP SANE0	0.633	13.18	54921.4	
	VEGETAL	2.685	53.49	44324.5					
115520.000	FIRME	9.983	199.52	160454.5	D TIERRA	30.698	617.19	212519.1	
	S SEL2	6.549	130.76	78855.4	SUELO EST3	6.634	132.46	108053.8	

D FIRME	5.284	105.42	83399.0	TERRAPLEN	0.215	2.41	37804.2
EXCAVA SANE0	1.061	16.93	52389.0	TERRAP SANE0	1.061	16.93	54938.4
VEGETAL	2.667	53.51	44378.0				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 105
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115540.000	FIRME	9.997	199.80	160654.3	D TIERRA	27.545	582.44	213101.5	
	S SEL2	6.574	131.23	78986.6	SUELO EST3	6.660	132.94	108186.7	
	D FIRME	5.284	105.67	83504.7	TERRAPLEN	0.318	5.34	37809.5	
	EXCAVA SANE0	1.288	23.49	52412.4	TERRAP SANE0	1.288	23.49	54961.9	
	VEGETAL	2.614	52.80	44430.8					
115560.000	FIRME	10.011	200.07	160854.3	D TIERRA	24.209	517.54	213619.0	
	S SEL2	6.597	131.70	79118.3	SUELO EST3	6.683	133.43	108320.2	
	D FIRME	5.301	105.84	83610.5	TERRAPLEN	0.605	9.23	37818.8	
	EXCAVA SANE0	4.930	62.19	52474.6	TERRAP SANE0	4.930	62.19	55024.0	
	VEGETAL	2.502	51.15	44481.9					
115580.000	FIRME	9.343	193.54	161047.9	D TIERRA	19.593	438.02	214057.1	
	S SEL2	6.228	128.25	79246.5	SUELO EST3	6.313	129.96	108450.1	
	D FIRME	5.297	105.97	83716.5	TERRAPLEN	0.517	11.21	37830.0	
	EXCAVA SANE0	4.370	93.00	52567.6	TERRAP SANE0	4.370	93.00	55117.0	
	VEGETAL	2.191	46.93	44528.9					
115600.000	FIRME	9.630	189.73	161237.6	D TIERRA	19.414	390.07	214447.1	
	S SEL2	6.431	126.59	79373.1	SUELO EST3	6.517	128.30	108578.4	
	D FIRME	5.264	105.61	83822.1	TERRAPLEN	0.203	7.20	37837.2	
	EXCAVA SANE0	4.704	90.74	52658.4	TERRAP SANE0	4.704	90.74	55207.8	
	VEGETAL	2.371	45.63	44574.5					
115620.000	FIRME	10.028	196.58	161434.2	D TIERRA	18.818	382.32	214829.4	
	S SEL2	6.631	130.62	79503.8	SUELO EST3	6.718	132.35	108710.8	
	D FIRME	5.266	105.29	83927.4	TERRAPLEN	0.115	3.17	37840.4	
	EXCAVA SANE0	5.025	97.29	52755.7	TERRAP SANE0	5.025	97.29	55305.1	
	VEGETAL	2.528	48.99	44623.5					
115640.000	FIRME	9.944	199.72	161633.9	D TIERRA	17.068	358.86	215188.3	
	S SEL2	6.591	132.23	79636.0	SUELO EST3	6.678	133.96	108844.8	
	D FIRME	5.248	105.14	84032.5	TERRAPLEN	0.223	3.38	37843.7	
	EXCAVA SANE0	5.001	100.26	52855.9	TERRAP SANE0	5.001	100.26	55405.3	
	VEGETAL	2.504	50.32	44673.8					
115660.000	FIRME	8.674	186.19	161820.1	D TIERRA	12.274	293.43	215481.7	
	S SEL2	5.727	123.18	79759.2	SUELO EST3	5.813	124.91	108969.7	
	D FIRME	5.234	104.82	84137.4	TERRAPLEN	0.353	5.77	37849.5	
	EXCAVA SANE0	3.747	87.48	52943.4	TERRAP SANE0	3.747	87.48	55492.8	
	VEGETAL	1.901	44.05	44717.8					

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 106
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115680.000	FIRME	8.894	175.68	161995.8	D TIERRA	11.096	233.70	215715.4	</

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115840.000	FIRME	8.950	179.07	163314.5	D TIERRA	3.856	90.22	216799.8	116220.000
	S SEL2	6.277	123.66	80750.4	SUELO EST3	6.277	124.52	109974.0	
	D FIRME	5.215	104.18	84928.7	TERRAPLEN	1.037	20.87	37968.2	
	VEGETAL	2.146	42.11	45082.1					
115860.000	FIRME	8.941	178.90	163493.4	D TIERRA	4.361	82.17	216881.9	116240.000
	S SEL2	6.244	125.20	80875.6	SUELO EST3	6.253	125.29	110099.3	
	D FIRME	5.210	104.25	85032.9	TERRAPLEN	0.780	18.17	37986.4	
	VEGETAL	2.120	42.66	45124.7					
115880.000	FIRME	8.928	178.68	163672.1	D TIERRA	5.829	101.90	216983.8	116260.000
	S SEL2	6.178	124.21	80999.8	SUELO EST3	6.217	124.69	110223.9	
	D FIRME	5.215	104.25	85137.2	TERRAPLEN	0.499	12.79	37999.2	
	VEGETAL	2.082	42.02	45166.7					
115900.000	FIRME	7.096	160.24	163832.3	D TIERRA	4.382	102.11	217085.9	116280.000
	S SEL2	4.369	105.47	81105.3	SUELO EST3	4.438	106.55	110330.5	
	D FIRME	2.522	77.37	85214.5	TERRAPLEN	0.590	10.89	38010.1	
	VEGETAL	2.038	41.20	45207.9					
115920.000	FIRME	6.626	137.22	163969.6	D TIERRA	4.576	89.57	217175.5	116300.000
	S SEL2	4.226	85.95	81191.2	SUELO EST3	4.312	87.51	110418.0	
	D FIRME	2.532	50.54	85265.1	TERRAPLEN	0.800	13.89	38024.0	
	VEGETAL	1.965	40.03	45248.0					
115940.000	FIRME	7.659	142.85	164112.4	D TIERRA	7.136	117.11	217292.6	116320.000
	S SEL2	5.091	93.17	81284.4	SUELO EST3	5.177	94.90	110512.9	
	D FIRME	3.940	64.72	85329.8	TERRAPLEN	0.583	13.83	38037.8	
	VEGETAL	1.963	39.27	45287.2					
115960.000	FIRME	8.865	165.25	164277.7	D TIERRA	9.736	168.72	217461.3	116340.000
	S SEL2	5.904	109.95	81394.3	SUELO EST3	5.990	111.68	110624.6	
	D FIRME	5.251	91.91	85421.7	TERRAPLEN	0.392	9.75	38047.6	
	VEGETAL	1.925	38.88	45326.1					
115980.000	FIRME	8.856	177.21	164454.9	D TIERRA	9.775	195.11	217656.4	116360.000
	S SEL2	5.891	117.95	81512.3	SUELO EST3	5.978	119.69	110744.3	
	D FIRME	5.264	105.15	85526.8	TERRAPLEN	0.020	4.12	38051.7	
	VEGETAL	1.910	38.35	45364.5					
116000.000	FIRME	8.785	176.42	164631.3	D TIERRA	11.437	212.12	217868.6	116380.000
	S SEL2	5.775	116.67	81628.9	SUELO EST3	5.860	118.39	110862.7	
	D FIRME	5.273	105.37	85632.2	TERRAPLEN	0.046	0.66	38052.3	
	VEGETAL	1.830	37.40	45401.9					

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 108
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
116020.000	FIRME	8.682	174.68	164806.0	D TIERRA	12.381	238.18	218106.8	116400.000
	S SEL2	5.687	114.63	81743.6	SUELO EST3	5.770	116.31	110979.0	
	D FIRME	5.262	105.35	85737.6	TERRAPLEN	0.008	0.54	38052.9	
	VEGETAL	1.775	36.05	45437.9					
116040.000	FIRME	8.663	173.46	164979.4	D TIERRA	13.092	254.73	218361.5	116420.000
	S SEL2	5.604	112.91	81856.5	SUELO EST3	5.690	114.61	111093.6	
	D FIRME	5.244	105.06	85842.6	TERRAPLEN	0.075	0.83	38053.7	
	VEGETAL	1.814	35.89	45473.8					
116060.000	FIRME	8.662	173.25	165152.7	D TIERRA	13.787	268.79	218630.3	116440.000
	S SEL2	5.663	112.66	81969.1	SUELO EST3	5.750	114.41	111208.0	
	D FIRME	5.237	104.81	85947.4	TERRAPLEN	0.035	1.10	38054.8	
	VEGETAL	1.770	35.84	45509.6					
116080.000	FIRME	8.727	173.89	165326.6	D TIERRA	14.074	278.60	218908.9	116460.000
	S SEL2	5.637	113.00	82082.1	SUELO EST3	5.724	114.75	111322.7	
	D FIRME	5.227	104.64	86052.1	TERRAPLEN	0.057	0.92	38055.7	
	VEGETAL	1.840	36.10	45545.7					
116100.000	FIRME	8.768	174.95	165501.5	D TIERRA	14.808	288.82	219197.7	116480.000
	S SEL2	5.662	112.99	82195.1	SUELO EST3	5.747	114.71	111437.4	
	D FIRME	5.215	104.42	86156.5	TERRAPLEN	0.095	1.53	38057.2	
	VEGETAL	1.859	36.99	45582.7					
116120.000	FIRME	8.580	173.47	165675.0	D TIERRA	14.455	292.63	219490.3	116500.000
	S SEL2	5.531	111.93	82307.1	SUELO EST3	5.617	113.64	111551.1	
	D FIRME	5.221	104.36	86260.9	TERRAPLEN	0.133	2.28	38059.5	
	VEGETAL	1.774	36.33	45619.1					
116140.000	FIRME	8.524	171.03	165846.0	D TIERRA	14.526	289.80	219780.1	116520.000
	S SEL2	5.494	110.25	82417.3	SUELO EST3	5.581	111.98	111663.0	
	D FIRME	5.231	104.52	86365.4	TERRAPLEN	0.078	2.11	38061.6	
	VEGETAL	1.747	35.22	45654.3					
116160.000	FIRME	8.818	173.41	166019.4	D TIERRA	16.083	306.09	220086.2	116540.000
	S SEL2	5.683	111.77	82529.1	SUELO EST3	5.769	113.49	111776.5	
	D FIRME	5.239	104.70	86470.1	TERRAPLEN	0.027	1.04	38062.7	
	EXCAVA SANE0	4.053	40.53	53235.0	TERRAP SANE0	4.053	40.53	55784.5	
116180.000	VEGETAL	1.861	36.09	45690.4					116560.000
	FIRME	9.072	178.89	166198.3	D TIERRA	17.517	336.00	220422.2	
	S SEL2	5.868	115.51	82644.6	SUELO EST3	5.953	117.22	111893.8	
	D FIRME	5.247	104.86	86574.9	TERRAPLEN	0.015	0.42	38063.1	
116200.000	EXCAVA SANE0	4.277	83.30	53318.3	TERRAP SANE0	4.277	83.30	55867.8	116580.000
	VEGETAL	1.973	38.35	45728.7					

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 109
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
116200.000	FIRME	9.128	182.00	166380.3	D TIERRA	17.839	353.55	220775.8	

116220.000	S SEL2	5.938	118.05	82762.6	SUELO EST3	6.023	119.76	112013.5	116240.000
	D FIRME	5.251	104.98	86679.9	TERRAPLEN	0.016	0.31	38063.4	
	EXCAVA SANE0	4.351	86.28	53404.6	TERRAP SANE0	4.351	86.28	55954.0	
	VEGETAL	2.012	39.85	45768.6					
116240.000	FIRME	9.065	181.94	166562.3	D TIERRA	17.564	354.03	221129.8	116260.000
	S SEL2	5.852	117.90	82880.5	SUELO EST3	5.940	119.64	112133.2	
	D FIRME	5.256	105.08	86785.0	TERRAPLEN	0.015	0.31	38063.7	
	EXCAVA SANE0	4.209	85.60	53490.2	TERRAP SANE0	4.209	85.60	56039.6	
116260.000	VEGETAL	1.960	39.71	45808.3					116280.000
	FIRME	9.112	181.77	166744.0	D TIERRA	17.866	354.30	221484.1	
	S SEL2	5.910	117.62	82998.2	SUELO EST3	6.005	119.45	112252.6	
	D FIRME	5.252	105.08	86890.1	TERRAPLEN	0.000	0.15	38063.9	
116280.000	EXCAVA SANE0	0.000	42.09	53532.3	TERRAP SANE0	0.000	42.09	56081.7	116300.000
	VEGETAL	1.983	39.43	45847.7					
	FIRME	9.094	182.05	166926.1	D TIERRA	17.968	358.34	221842.4	
	S SEL2	5.896	118.06	83116.2	SUELO EST3	5.984	119.89	112372.5	
116300.000	D FIRME	5.239	104.90	86995.0	TERRAPLEN	0.016	0.16	38064.0	116320.000
	EXCAVA SANE0	0.068	0.68	53533.0	TERRAP SANE0	0.068	0.68	56082.4	
	VEGETAL	1.990	39.74	45887.5					
	FIRME	9.012	181.06	167107.1	D TIERRA	17.097	350.65	222193.1	
116320.000	S SEL2	5.799	116.95	83233.2	SUELO EST3	5.886	118.70	112491.2	116340.000
	D FIRME	5.231	104.70	87099.7	TERRAPLEN	0.024	0.39	38064.4	
	EXCAVA SANE0	4.308	43.76	53576.8	TERRAP SANE0	4.308	43.76	56126.2	
	VEGETAL	1.933	39.24	45926.7					
116340.000	FIRME	9.013	180.25	167287.4	D TIERRA	16.464	335.61	222528.7	116360.000
	S SEL2	5.797	115.96	83349.1	SUELO EST3	5.884	117.70	112608.9	
	D FIRME	5.223	104.54	87204.2	TERRAPLEN	0.089	1.12	38065.5	
	EXCAVA SANE0	4.351	86.59	53663.3	TERRAP SANE0	4.351	86.59	56212.8	
116360.000	VEGETAL	1.935	38.68	45965.4					116380.000
	FIRME	8.926	179.39	167466.8	D TIERRA	15.283	317.47	222846.2	
	S SEL2	5.726	115.22	83464.3	SUELO EST3	5.811	116.95	112725.8	
	D FIRME	5.229	104.53	87308.7	TERRAPLEN	0.109	1.97	38067.5	
116380.000	EXCAVA SANE0	4.245	85.96	53749.3	TERRAP SANE0	4.245	85.96	56298.7	11640

116540.000	S SEL2	6.024	120.78	84628.9	SUELO EST3	6.108	122.48	113907.7
	D FIRME	5.674	113.50	88387.3	TERRAPLEN	0.262	6.15	38106.4
	EXCAVA SANE0	4.412	88.64	54612.9	TERRAP SANE0	4.412	88.64	57162.3
	VEGETAL	1.966	39.47	46387.9				
	FIRME	9.425	188.93	169482.5	D TIERRA	12.740	263.60	225938.5
116560.000	S SEL2	5.992	120.15	84749.0	SUELO EST3	6.077	121.84	114029.6
	D FIRME	5.642	113.16	88500.5	TERRAPLEN	0.177	4.39	38110.8
	EXCAVA SANE0	4.395	88.07	54701.0	TERRAP SANE0	4.395	88.07	57250.4
	VEGETAL	1.960	39.25	46427.1				
	FIRME	9.383	188.08	169670.6	D TIERRA	11.760	245.00	226183.5
116580.000	S SEL2	5.961	119.53	84868.5	SUELO EST3	6.046	121.23	114150.8
	D FIRME	5.653	112.95	88613.4	TERRAPLEN	0.097	2.74	38113.6
	EXCAVA SANE0	4.336	87.31	54788.3	TERRAP SANE0	4.336	87.31	57337.7
	VEGETAL	1.931	38.90	46466.0				
	FIRME	9.100	184.83	169855.4	D TIERRA	11.106	228.66	226412.1
116600.000	S SEL2	5.817	117.78	84986.3	SUELO EST3	5.900	119.47	114270.3
	D FIRME	5.633	112.86	88726.3	TERRAPLEN	0.038	1.35	38114.9
	EXCAVA SANE0	4.109	84.44	54872.7	TERRAP SANE0	4.109	84.44	57422.1
	VEGETAL	1.826	37.57	46503.6				
	FIRME	7.606	167.06	170022.5	D TIERRA	8.653	197.58	226609.7
	S SEL2	4.706	105.22	85091.5	SUELO EST3	4.792	106.92	114377.2
	D FIRME	4.052	96.85	88823.1	TERRAPLEN	0.015	0.54	38115.4
	EXCAVA SANE0	3.371	74.80	54947.5	TERRAP SANE0	3.371	74.80	57496.9
	VEGETAL	1.744	35.69	46539.3				
	FIRME							

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 112
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

116620.000	FIRME	7.350	149.56	170172.0	D TIERRA	7.894	165.46	226775.2
	S SEL2	4.447	91.53	85183.1	SUELO EST3	4.533	93.25	114470.4
	D FIRME	3.780	78.33	88901.5	TERRAPLEN	0.075	0.91	38116.4
	EXCAVA SANE0	3.238	66.10	55013.6	TERRAP SANE0	3.238	66.10	57563.0
	VEGETAL	1.674	34.17	46573.4				
116640.000	FIRME	7.114	144.64	170316.7	D TIERRA	7.149	150.43	226925.6
	S SEL2	4.256	87.03	85270.1	SUELO EST3	4.342	88.76	114559.2
	D FIRME	3.777	75.57	88977.0	TERRAPLEN	0.129	2.05	38118.4
	EXCAVA SANE0	2.955	61.93	55075.5	TERRAP SANE0	2.955	61.93	57624.9
	VEGETAL	1.525	31.98	46605.4				
116660.000	FIRME	7.023	141.37	170458.0	D TIERRA	7.346	144.95	227070.6
	S SEL2	4.228	84.84	85354.9	SUELO EST3	4.315	86.57	114645.8
	D FIRME	3.727	75.04	89052.1	TERRAPLEN	0.101	2.30	38120.7
	EXCAVA SANE0	2.962	59.17	55134.7	TERRAP SANE0	2.962	59.17	57684.1
	VEGETAL	1.537	30.62	46636.0				
116680.000	FIRME	6.624	136.47	170594.5	D TIERRA	6.663	140.08	227210.6
	S SEL2	4.041	82.68	85437.6	SUELO EST3	4.131	84.46	114730.2
	D FIRME	3.671	73.99	89126.1	TERRAPLEN	0.180	2.81	38123.5
	EXCAVA SANE0	2.767	57.30	55192.0	TERRAP SANE0	2.767	57.30	57741.4
	VEGETAL	1.442	29.79	46665.8				
116700.000	FIRME	5.962	125.85	170720.4	D TIERRA	5.228	118.91	227329.5
	S SEL2	3.528	75.68	85513.3	SUELO EST3	3.616	77.47	114807.7
	D FIRME	3.050	67.22	89193.3	TERRAPLEN	0.284	4.63	38128.1
	EXCAVA SANE0	2.551	53.18	55245.2	TERRAP SANE0	2.551	53.18	57794.6
	VEGETAL	1.342	27.84	46693.7				
116720.000	FIRME	5.782	117.44	170837.8	D TIERRA	4.138	93.66	227423.2
	S SEL2	3.193	67.20	85580.5	SUELO EST3	3.280	68.96	114876.7
	D FIRME	3.086	61.36	89254.6	TERRAPLEN	0.299	5.82	38134.0
	EXCAVA SANE0	2.151	47.02	55292.2	TERRAP SANE0	2.151	47.02	57841.6
	VEGETAL	1.056	23.97	46717.6				
116740.000	FIRME	6.724	125.06	170962.9	D TIERRA	4.571	87.09	227510.3
	S SEL2	3.671	68.63	85649.1	SUELO EST3	3.759	70.39	114947.1
	D FIRME	3.380	64.66	89319.3	TERRAPLEN	0.359	6.58	38140.5
	EXCAVA SANE0	2.451	46.02	55338.2	TERRAP SANE0	2.451	46.02	57887.7
	VEGETAL	1.299	23.54	46741.2				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 113
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

116760.000	FIRME	6.502	132.26	171095.1	D TIERRA	4.999	95.70	227606.0
	S SEL2	3.515	71.85	85721.0	SUELO EST3	3.603	73.62	115020.7
	D FIRME	2.923	63.03	89382.3	TERRAPLEN	0.308	6.68	38147.2
	EXCAVA SANE0	2.649	51.00	55389.2	TERRAP SANE0	2.649	51.00	57938.7
	VEGETAL	1.405	27.03	46768.2				
116780.000	FIRME	7.609	141.11	171236.2	D TIERRA	6.778	117.77	227723.8
	S SEL2	4.654	81.69	85802.7	SUELO EST3	4.741	83.44	115104.1
	D FIRME	4.775	76.98	89459.3	TERRAPLEN	0.247	5.55	38152.8
	EXCAVA SANE0	2.595	52.45	55441.7	TERRAP SANE0	2.595	52.45	57991.1
	VEGETAL	1.398	28.03	46796.2				
116800.000	FIRME	7.331	149.40	171385.7	D TIERRA	6.355	131.33	227855.1
	S SEL2	4.301	89.56	85892.2	SUELO EST3	4.388	91.29	115195.4
	D FIRME	4.249	90.24	89549.5	TERRAPLEN	0.069	3.15	38155.9
	EXCAVA SANE0	2.579	51.74	55493.4	TERRAP SANE0	2.579	51.74	58042.8
	VEGETAL	1.403	28.01	46824.3				
116820.000	FIRME	7.169	145.00	171530.6	D TIERRA	6.044	123.99	227979.1
	S SEL2	4.195	84.96	85977.2	SUELO EST3	4.281	86.69	115282.1
	D FIRME	4.361	86.09	89635.6	TERRAPLEN	0.014	0.83	38156.8
	EXCAVA SANE0	2.324	49.04	55542.5	TERRAP SANE0	2.324	49.04	58091.9
	VEGETAL	1.287	26.91	46851.2				
116840.000	FIRME	6.506	136.74	171667.4	D TIERRA	5.063	111.06	228090.2

116860.000	S SEL2	3.584	77.79	86055.0	SUELO EST3	3.671	79.52	115361.6
	D FIRME	3.674	80.35	89716.0	TERRAPLEN	0.020	0.35	38157.1
	EXCAVA SANE0	2.076	44.01	55586.5	TERRAP SANE0	2.076	44.01	58135.9
	VEGETAL	1.168	24.56	46875.7				
	FIRME	5.973	124.78	171792.2	D TIERRA	4.731	97.94	228188.1
116880.000	S SEL2	3.453	70.37	86125.4	SUELO EST3	3.541	72.11	115433.7
	D FIRME	3.721	73.95	89789.9	TERRAPLEN	0.038	0.59	38157.7
	EXCAVA SANE0	1.868	39.44	55625.9	TERRAP SANE0	1.868	39.44	58175.3
	VEGETAL	1.059	22.27	46898.0				
	FIRME	5.849	118.22	171910.4	D TIERRA	4.376	91.07	228279.2
	S SEL2	3.399	68.52	86193.9	SUELO EST3	3.486	70.27	115504.0
	D FIRME	4.095	78.16	89868.1	TERRAPLEN	0.002	0.40	38158.1
	EXCAVA SANE0	1.755	36.23	55662.1	TERRAP SANE0	1.755	36.23	58211.6
	VEGETAL	0.865	19.24	46917.2				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 114
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

116900.000	FIRME	5.289	111.38	172021.8	D TIERRA	2.795	71.71	228350.9
	S SEL2	2.606	60.05	86253.9	SUELO EST3	2.694	61.80	115565.8
	D FIRME	3.115	72.10	89940.2	TERRAPLEN	0.000	0.02	38158.1
	EXCAVA SANE0	1.746	35.01	55697.2	TERRAP SANE0	1.746	35.01	58246.6
	VEGETAL	0.776	16.41	46933.6				
116920.000	FIRME	5.264	105.52	172127.3	D TIERRA	2.711	55.07	228405.9
	S SEL2	2.592	51.98	86305.9	SUELO EST3	2.680	53.73	115619.5
	D FIRME	3.104	62.19	90002.4	TERRAPLEN	0.001	0.01	38158.1
	EXCAVA SANE0	1.700	34.46	55731.6	TERRAP SANE0	1.700	34.46	58281.0
	VEGETAL	0.756	15.32	46949.0				
116940.000	FIRME	5.196	104.59	172231.9	D TIERRA	2.636	53.47	228459.4
	S SEL2	2.572	51.64	86357.6	SUELO EST3	2.658	53.38	115672.9
	D FIRME	3.092	61.96	90064.3	TERRAPLEN	0.019	0.20	38158.3
	EXCAVA SANE0	1.682	33.82	55765.4	TERRAP SANE0	1.682	33.82	58314.9
	VEGETAL	0.748	15.03	46964.0				
116960.000	FIRME	5.690	108.85	172340.7	D TIERRA	3.715	63.51	228522.9
	S SEL2	3.120	56.92	86414.5	SUELO EST3	3.208	58.66	115731.6
	D FIRME	3.917	70.09	90134.4	TERRAPLEN	0.020	0.39	38158.7
	EXCAVA SANE0	1.589	32.71	55798.1	TERRAP SANE0	1.589	32.71	58347.6
	VEGETAL	0.710	14.58	46978.6				
116980.000	FIRME	5.372	110.61	172451.4	D TIERRA	2.682	63.97	228586.9
	S SEL2	2.536	56.57	86471.0	SUELO EST3	2.623	58.31	115789.9
	D FIRME	3.090	70.07	90204.5	TERRAPLEN	0.043	0.63	38159.3
	EXCAVA SANE0	1.640	32.29	55830.4	TERRAP SANE0	1.640	32.29	58379.9
	VEGETAL	0.729	14.39	46993.0				
117000.000	FIRME	5.366	107.38	172558.7	D TIERRA	2.622	53.04	228639.9
	S SEL2	2.519	50.55	86521.6	SUELO EST3	2.606	52.29	115842.2
	D FIRME	3.069	61.59	90266.1	TERRAPLEN	0.082	1.25	38160.6
	EXCAVA SANE0	1.617	32.57	55863.0	TERRAP SANE0	1.617	32.57	58412.4
	VEGETAL	0.719	14.48	47007.4				
117020.000	FIRME	5.720	110.86	172669.6	D TIERRA	2.498	51.20	228691.1
	S SEL2	2.586	51.05	86572.7	SUELO EST3	2.675	52.80	115895.0
	D FIRME	3.151	62.19	90328.3	TERRAPLEN	0.111	1.94	38162.5
	EXCAVA SANE0	1.647	32.64	55895.7	TERRAP SANE0	1.647	32.64	58445.1
	VEGETAL	0.732	14.51	47022.0				

117180.000	D FIRME	3.671	77.16	90988.0	EXCAVA SANE0	3.194	48.59	56141.8
	TERRAP SANE0	3.194	48.59	58691.2	VEGETAL	1.666	24.06	47133.8
	FIRME	8.812	156.70	173760.8	D TIERRA	13.486	228.37	229538.3
	S SEL2	5.611	99.06	87194.0	SUELO EST3	5.698	100.79	116530.3
	D FIRME	5.329	90.00	91078.0	TERRAPLEN	0.018	0.18	38169.8
	EXCAVA SANE0	4.103	72.98	56214.8	TERRAP SANE0	4.103	72.98	58764.2
	VEGETAL	1.829	34.94	47168.8				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 116
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117200.000	FIRME	8.820	176.32	173937.1	D TIERRA	15.763	292.49	229830.8
	S SEL2	5.616	112.27	87306.3	SUELO EST3	5.701	113.98	116644.3
	D FIRME	5.330	106.59	91184.5	TERRAPLEN	0.019	0.37	38170.1
117220.000	EXCAVA SANE0	0.000	41.03	56255.8	TERRAP SANE0	0.000	41.03	58805.2
	VEGETAL	1.882	37.10	47205.9				
	FIRME	8.785	176.05	174113.1	D TIERRA	19.382	351.46	230182.3
117240.000	S SEL2	5.595	112.12	87418.4	SUELO EST3	5.683	113.84	116758.1
	D FIRME	5.336	106.66	91291.2	TERRAPLEN	0.019	0.39	38170.5
	VEGETAL	1.970	38.52	47244.4				
117260.000	FIRME	8.906	176.91	174290.0	D TIERRA	22.842	422.24	230604.5
	S SEL2	5.664	112.59	87531.0	SUELO EST3	5.753	114.36	116872.4
	D FIRME	5.335	106.71	91397.9	TERRAPLEN	0.019	0.39	38170.9
117280.000	VEGETAL	2.174	41.44	47285.8				
	FIRME	8.901	178.06	174468.1	D TIERRA	22.495	453.37	231057.9
	S SEL2	5.662	113.26	87644.3	SUELO EST3	5.748	115.01	116987.5
117300.000	D FIRME	5.325	106.60	91504.5	TERRAPLEN	0.029	0.49	38171.4
	VEGETAL	2.340	45.14	47330.9				
	FIRME	8.917	178.18	174646.3	D TIERRA	20.888	433.83	231491.7
117320.000	S SEL2	5.671	113.34	87757.6	SUELO EST3	5.757	115.06	117102.5
	D FIRME	5.323	106.48	91611.0	TERRAPLEN	0.020	0.50	38171.9
	VEGETAL	1.995	43.35	47374.3				
117340.000	FIRME	8.827	177.44	174823.7	D TIERRA	22.084	429.72	231921.4
	S SEL2	5.619	112.90	87870.5	SUELO EST3	5.704	114.62	117217.1
	D FIRME	5.328	106.51	91717.5	TERRAPLEN	0.020	0.41	38172.3
117360.000	VEGETAL	1.958	39.52	47413.8				
	FIRME	9.007	178.34	175002.1	D TIERRA	23.554	456.38	232377.8
	S SEL2	5.726	113.44	87984.0	SUELO EST3	5.812	115.17	117332.3
117380.000	D FIRME	5.338	106.67	91824.2	TERRAPLEN	0.020	0.40	38172.7
	VEGETAL	2.031	39.88	47453.7				
	FIRME	9.199	182.06	175184.1	D TIERRA	23.392	469.46	232847.3
117400.000	S SEL2	5.851	115.77	88099.7	SUELO EST3	5.938	117.50	117449.8
	D FIRME	5.318	106.57	91930.7	TERRAPLEN	0.019	0.39	38173.1
	VEGETAL	2.056	40.87	47494.6				
117420.000	FIRME	9.326	185.25	175369.4	D TIERRA	35.616	590.08	233437.4
	S ADECUADO	8.753	87.53	2145.3	S SEL2	5.943	117.94	88217.7
	SUELO EST3	6.030	119.67	117569.5	D FIRME	5.287	106.05	92036.8
	TERRAPLEN	0.021	0.40	38173.5	VEGETAL	2.242	42.98	47537.5

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 117
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117380.000	FIRME	9.481	188.06	175557.4	D TIERRA	33.188	688.04	234125.4
	S ADECUADO	8.917	176.70	2322.0	S SEL2	6.051	119.93	88337.6
	SUELO EST3	6.139	121.68	117691.2	D FIRME	5.149	104.35	92141.1
117400.000	TERRAPLEN	0.021	0.41	38173.9	VEGETAL	2.347	45.89	47583.4
	FIRME	9.887	193.68	175751.1	D TIERRA	31.491	646.80	234772.2
	S ADECUADO	9.303	182.20	2504.2	S SEL2	6.311	123.61	88461.2
117420.000	SUELO EST3	6.397	125.35	117816.5	D FIRME	5.152	103.00	92244.1
	TERRAPLEN	0.021	0.42	38174.3	VEGETAL	2.412	47.59	47631.0
	FIRME	10.190	200.77	175951.9	D TIERRA	32.421	639.12	235411.3
117440.000	S ADECUADO	9.601	189.04	2693.3	S SEL2	6.508	128.19	88589.4
	SUELO EST3	6.595	129.91	117946.4	D FIRME	5.182	103.34	92347.5
	TERRAPLEN	0.005	0.26	38174.6	VEGETAL	2.492	49.04	47680.1
117460.000	FIRME	9.283	194.73	176146.6	D TIERRA	30.992	634.12	236045.4
	S ADECUADO	8.778	183.78	2877.0	S SEL2	5.960	124.68	88714.1
	SUELO EST3	6.046	126.41	118072.8	D FIRME	5.172	103.54	92451.0
117480.000	TERRAPLEN	0.000	0.05	38174.6	VEGETAL	2.097	45.89	47726.0
	MUROS	0.643	6.43	1011.7				
	FIRME	9.646	189.29	176335.9	D TIERRA	37.016	680.08	236725.5
117500.000	S ADECUADO	9.142	179.19	3056.2	S SEL2	6.202	121.62	88835.7
	SUELO EST3	6.288	123.35	118196.2	D FIRME	5.174	103.46	92554.5
	VEGETAL	2.258	43.55	47769.5	MUROS	1.232	18.75	1030.4
117520.000	FIRME	8.024	176.70	176512.6	D TIERRA	32.163	691.79	237417.3
	S ADECUADO	7.634	167.75	3224.0	S SEL2	5.197	113.99	88949.7
	SUELO EST3	5.283	115.72	118311.9	D FIRME	8.131	133.04	92687.5
117540.000	VEGETAL	0.404	26.62	47796.1	MUROS	0.919	21.51	1051.9
	FIRME	8.104	161.28	176673.9	D TIERRA	31.380	635.43	238052.7
	S ADECUADO	7.713	153.46	3377.5	S SEL2	5.250	104.46	89054.1
117560.000	SUELO EST3	5.336	106.19	118418.1	D FIRME	7.599	157.30	92844.8
	VEGETAL	0.653	10.57	47806.7	MUROS	0.791	17.10	1069.0
	FIRME	8.182	162.86	176836.7	D TIERRA	32.461	638.42	238691.1
117580.000	S ADECUADO	7.792	155.05	3532.5	S SEL2	5.302	105.52	89159.7
	SUELO EST3	5.390	107.26	118525.4	D FIRME	7.151	147.50	92992.3
	VEGETAL	0.867	15.20	47821.9	MUROS	0.671	14.62	1083.7
117600.000	FIRME	9.608	177.90	177014.6	D TIERRA	38.576	710.37	239401.5
	S ADECUADO	9.125	169.17	3701.7	S SEL2	6.193	114.96	89274.6
	SUELO EST3	6.278	116.68	118642.0	D FIRME	6.877	140.29	93132.6

TERRAPLEN	0.029	0.29	38174.9	VEGETAL	1.729	25.96	47847.9
MUROS	0.000	6.71	1090.4				
Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 118							
PROYECTO : EJE: 2: Autov ^{de} de Castilla A-62: Due ^s -Cigales Izq.							

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117560.000	FIRME	9.692	193.00	177207.6	D TIERRA	40.010	785.87	240187.4
	S ADECUADO	9.206	183.30	3885.0	S SEL2	6.246	124.39	89399.0
	SUELO EST3	6.332	126.10	118768.1	D FIRME	6.860	137.38	93270.0
	TERRAPLEN	0.019	0.48	38175.4	VEGETAL	1.792	35.21	47883.1
117580.000	FIRME	9.778	194.70	177402.3	D TIERRA	40.333	803.43	240990.8
	S ADECUADO	9.286	184.92	4069.9	S SEL2	6.301	125.47	89524.5
	SUELO EST3	6.385	127.17	118895.3	D FIRME	6.833	136.93	93406.9
	TERRAPLEN	0.019	0.38	38175.8	VEGETAL	1.860	36.52	47919.6
117600.000	FIRME	9.867	196.45	177598.8	D TIERRA	41.274	816.06	241806.9
	S ADECUADO	9.367	186.53	4256.4	S SEL2	6.355	126.56	89651.0
	SUELO EST3	6.440	128.25	119023.6	D FIRME	6.826	136.59	93543.5
	TERRAPLEN	0.020	0.39	38176.2	VEGETAL	1.918	37.78	47957.4
117620.000	FIRME	9.957	198.24	177797.0	D TIERRA	33.392	746.66	242553.5
	S ADECUADO	0.000	93.67	4350.1	S SEL2	6.408	127.62	89778.7
	SUELO EST3	6.495	129.35	119152.9	D FIRME	6.858	136.84	93680.3
	TERRAPLEN	0.020	0.39	38176.6	VEGETAL	1.958	38.77	47996.1
117640.000	FIRME	10.053	200.10	177997.1	D TIERRA	35.128	685.20	243238.7
	S SEL2	6.464	128.72	89907.4	SUELO EST3	6.552	130.47	119283.4
	D FIRME	7.012	138.69	93819.0	TERRAPLEN	0.019	0.39	38176.9
	VEGETAL	1.957	39.15	48035.3				
117660.000	FIRME	8.578	186.31	178183.4	D TIERRA	29.514	646.43	243885.2
	S SEL2	5.473	119.37	90026.8	SUELO EST3	5.560	121.12	119404.5
	D FIRME	7.217	142.29	93961.3	TERRAPLEN	0.020	0.39	38177.3
	VEGETAL	1.225	31.82	48067.1				
117680.000	FIRME	8.677	172.55	178356.0	D TIERRA	28.181	576.95	244462.1
	S SEL2	5.532	110.05	90136.8	SUELO EST3	5.617	111.77	119516.3
	D FIRME	7.222	144.39	94105.7	TERRAPLEN	0.020	0.40	38177.7
	VEGETAL	1.227	24.52	48091.6				
117700.000	FIRME	8.777	174.54	178530.5	D TIERRA	26.772	549.54	245011.7
	S SEL2	5.589	111.21	90248.0	SUELO EST3	5.677	112.94	119629.2
	D FIRME	7.134	143.56	94249.3	TERRAPLEN	0.020	0.40	38178.1
	VEGETAL	1.297	25.23	48116.9				
117720.000	FIRME	9.817	185.94	178716.5	D TIERRA	25.136	519.08	245530.7
	S SEL2	6.331	119.20	90367.2	SUELO EST3	6.418	120.95	119750.1
	D FIRME	6.985	141.19	94390.5	TERRAPLEN	0.023	0.43	38178.6
	VEGETAL	1.844	31.40	48148.3				

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117900.000	FIRME	8.694	173.88	180384.5	D TIERRA	4.250	105.19	247691.3
	S SEL2	5.799	117.19	91433.8	SUELO EST3	5.915	118.86	120835.1
	TERRAPLEN	0.150	1.70	38189.8	VEGETAL	3.964	79.66	48659.8
117920.000	FIRME	8.695	173.89	180558.4	D TIERRA	2.610	68.61	247759.9
	S SEL2	5.775	115.74	91549.6	SUELO EST3	5.928	118.42	120953.5
	TERRAPLEN	0.869	10.19	38200.0	VEGETAL	3.979	79.43	48739.2
117940.000	FIRME	8.695	173.90	180732.2	D TIERRA	2.399	50.09	247810.0
	S SEL2	5.933	117.09	91666.7	SUELO EST3	5.977	119.05	121072.5
	TERRAPLEN	2.998	38.67	38238.7	VEGETAL	4.007	79.86	48819.1
117960.000	FIRME	8.924	176.19	180908.4	D TIERRA	3.950	63.49	247873.5
	S SEL2	6.127	120.60	91787.3	SUELO EST3	6.104	120.81	121193.4
	TERRAPLEN	2.590	55.88	38294.6	VEGETAL	4.123	81.30	48900.4
117980.000	FIRME	8.903	178.27	181086.7	D TIERRA	7.676	116.26	247989.7
	S SEL2	6.100	122.27	91909.5	SUELO EST3	6.091	121.95	121315.3
	TERRAPLEN	1.534	41.23	38335.8	VEGETAL	4.105	82.28	48982.7
118000.000	FIRME	8.923	178.26	181265.0	D TIERRA	13.545	212.21	248201.9
	S SEL2	5.939	120.39	92029.9	SUELO EST3	6.039	121.30	121436.6
	TERRAPLEN	0.525	20.59	38356.4	VEGETAL	4.045	81.51	49064.2
118020.000	FIRME	9.308	182.31	181447.3	D TIERRA	20.889	344.34	248546.3
	S SEL2	5.988	119.28	92149.2	SUELO EST3	6.094	121.34	121557.9
	TERRAPLEN	0.020	5.45	38361.8	VEGETAL	4.167	82.12	49146.3
118040.000	FIRME	10.073	193.81	181641.1	D TIERRA	33.936	548.25	249094.5
	S SEL2	6.399	123.87	92273.1	SUELO EST3	6.505	125.99	121683.9
	TERRAPLEN	0.000	0.20	38362.0	VEGETAL	4.572	87.39	49233.7
118060.000	FIRME	10.073	201.45	181842.5	D TIERRA	45.911	798.46	249893.0
	S SEL2	6.399	127.98	92401.1	SUELO EST3	6.505	130.10	121814.0
	VEGETAL	4.753	93.25	49326.9				
118080.000	FIRME	10.071	201.44	182044.0	D TIERRA	60.434	1063.44	250956.4
	S SEL2	6.398	127.98	92529.0	SUELO EST3	6.504	130.09	121944.1
	VEGETAL	4.977	97.30	49424.2				
118100.000	FIRME	10.071	201.43	182245.4	D TIERRA	73.035	1334.68	252291.1
	S SEL2	6.399	127.97	92657.0	SUELO EST3	6.505	130.09	122074.2
	VEGETAL	5.236	102.13	49526.4				
118120.000	FIRME	10.070	201.41	182446.8	D TIERRA	87.071	1601.06	253892.2
	S SEL2	6.398	127.97	92785.0	SUELO EST3	6.504	130.08	122204.3
	VEGETAL	5.251	104.87	49631.2				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 121
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118140.000	FIRME	10.070	201.40	182648.2	D TIERRA	100.911	1879.82	255772.0
	S SEL2	6.398	127.97	92913.0	SUELO EST3	6.503	130.06	122334.4
	VEGETAL	5.316	105.67	49736.9				
118160.000	FIRME	10.069	201.39	182849.6	D TIERRA	117.695	2186.06	257958.1
	S SEL2	6.398	127.96	93040.9	SUELO EST3	6.503	130.06	122464.4
	VEGETAL	5.340	106.56	49843.5				
118180.000	FIRME	10.064	201.33	183050.9	D TIERRA	142.543	2602.38	260560.4
	S SEL2	6.397	127.95	93168.9	SUELO EST3	6.500	130.02	122594.4
	VEGETAL	5.509	108.49	49951.9				
118200.000	FIRME	10.058	201.22	183252.1	D TIERRA	174.837	3173.79	263734.2
	S SEL2	6.395	127.92	93296.8	SUELO EST3	6.496	129.96	122724.4
	VEGETAL	5.756	112.64	50064.6				
118220.000	FIRME	10.052	201.11	183453.3	D TIERRA	214.135	3889.71	267623.9
	S SEL2	6.394	127.89	93424.7	SUELO EST3	6.493	129.89	122854.3
	VEGETAL	6.148	119.03	50183.6				
118240.000	FIRME	10.047	201.00	183654.3	D TIERRA	257.649	4717.84	272341.8
	S SEL2	6.393	127.87	93552.5	SUELO EST3	6.489	129.82	122984.1
	VEGETAL	6.633	127.81	50311.4				
118260.000	FIRME	10.042	200.89	183855.1	D TIERRA	284.193	5418.42	277760.2
	S SEL2	6.391	127.83	93680.4	SUELO EST3	6.484	129.73	123113.8
	VEGETAL	6.904	135.37	50446.8				
118280.000	FIRME	10.036	200.78	184055.9	D TIERRA	286.532	5707.25	283467.5
	S SEL2	6.388	127.79	93808.2	SUELO EST3	6.480	129.64	123243.5
	VEGETAL	6.307	132.11	50578.9				
118300.000	FIRME	10.030	200.66	184256.6	D TIERRA	318.667	6051.98	289519.4
	S SEL2	6.386	127.74	93935.9	SUELO EST3	6.478	129.57	123373.0
	VEGETAL	6.107	124.14	50703.1				
118320.000	FIRME	10.023	200.53	184457.1	D TIERRA	367.621	6862.88	296382.3
	S SEL2	6.383	127.69	94063.6	SUELO EST3	6.474	129.52	123502.6
	VEGETAL	6.119	122.26	50825.3				
118340.000	FIRME	10.018	200.40	184657.5	D TIERRA	356.963	7245.84	303628.1
	S SEL2	6.380	127.63	94191.2	SUELO EST3	6.469	129.43	123632.0
	VEGETAL	5.864	119.83	50945.1				
118360.000	FIRME	10.010	200.27	184857.8	D TIERRA	329.726	6866.88	310495.0
	S SEL2	6.376	127.57	94318.8	SUELO EST3	6.465	129.34	123761.3
	VEGETAL	5.694	115.58	51060.7				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 122
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118380.000	FIRME	10.004	200.13	185057.9	D TIERRA	236.586	5663.12	316158.1
	S SEL2	6.373	127.50	94446.3	SUELO EST3	6.461	129.26	123890.6
	VEGETAL	5.668	113.62	51174.3				
118400.000	FIRME	9.998	200.02	185257.9	D TIERRA	89.617	3262.03	319420.2
	S SEL2	6.368	127.41	94573.7	SUELO EST3	6.455	129.16	124019.7

118420.000	VEGETAL	4.801	104.69	51279.0				
	FIRME	8.720	187.18	185445.1	D TIERRA	0.000	896.17	320316.3
	S SEL2	6.170	125.39	94699.1	SUELO EST3	6.027	124.82	124144.6
118440.000	TERRAPLEN	55.498	554.98	38917.0	VEGETAL	4.664	94.65	51373.7
	FIRME	8.729	174.49	185619.6	S SEL2	6.184	123.55	94822.6
	SUELO EST3	6.040	120.67	124265.2	TERRAPLEN	83.479	1389.77	40306.8
	VEGETAL	5.025	96.90	51470.6				
118460.000	FIRME	8.839	175.69	185795.3	S SEL2	6.368	125.52	94948.2
	SUELO EST3	6.224	122.64	124387.9	TERRAPLEN	118.138	2016.17	42322.9
	VEGETAL	4.672	96.98	51567.5				
118480.000	FIRME	8.840	176.80	185972.1	S SEL2	6.371	127.39	95075.6
	SUELO EST3	6.227	124.51	124512.4	TERRAPLEN	102.096	2202.35	44525.3
	VEGETAL	4.375	90.47	51658.0				
118500.000	FIRME	8.873	177.13	186149.2	D TIERRA	0.130	1.30	320317.6
	S SEL2	6.163	125.35	95200.9	SUELO EST3	6.242	124.68	124637.1
	TERRAPLEN	88.802	1908.99	46434.3	VEGETAL	4.180	85.56	51743.6
118520.000	FIRME	8.876	177.49	186326.7	D TIERRA	1.796	19.26	320336.9
	S SEL2	6.098	122.61	95323.5	SUELO EST3	6.184	124.26	124761.3
	TERRAPLEN	60.481	1492.83	47927.1	VEGETAL	4.154	83.34	51826.9
118540.000	FIRME	8.898	177.74	186504.4	D TIERRA	2.577	43.73	320380.6
	S SEL2	6.172	122.69	95446.2	SUELO EST3	6.259	124.43	124885.8
	TERRAPLEN	47.186	1076.67	49003.8	VEGETAL	4.203	83.57	51910.5
118560.000	FIRME	8.880	177.78	186682.2	D TIERRA	4.285	68.61	320449.3
	S SEL2	6.112	122.84	95569.0	SUELO EST3	6.199	124.58	125010.3
	TERRAPLEN	25.520	727.05	49730.8	VEGETAL	4.163	83.67	51994.2
118580.000	FIRME	8.904	177.84	186860.1	D TIERRA	6.140	104.25	320553.5
	S SEL2	6.219	123.31	95692.4	SUELO EST3	6.306	125.05	125135.4
	TERRAPLEN	15.375	408.95	50139.8	VEGETAL	4.232	83.96	52078.1
118600.000	FIRME	8.889	177.93	187038.0	D TIERRA	8.684	148.24	320701.7
	S SEL2	6.300	125.19	95817.5	SUELO EST3	6.338	126.44	125261.8
	TERRAPLEN	5.437	208.13	50347.9	VEGETAL	4.249	84.81	52162.9

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 123
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118620.000	FIRME	8.871	177.60	187215.6	D TIERRA	9.325	180.09	320881.8
	S SEL2	6.407	127.07	95944.6	SUELO EST3	6.294	126.32	125388.1
	TERRAPLEN	1.440	68.77	50416.7	VEGETAL	4.292	85.41	52248.3
118640.000	FIRME	8.896	177.67	187393.3	D TIERRA	11.116	204.41	321086.2
	S SEL2	6.446	128.53	96073.2	SUELO EST3	6.382	126.75	125514.9
	TERRAPLEN	0.627	20.67	50437.3	VEGETAL	4.319	86.11	52334.4
118660.000	FIRME	8.704	176.00	187569.3	D TIERRA	11.448	225.64	321311.9
	S SEL2	5.706	121.52	96194.7	SUELO EST3	5.835	122.16	125637.1
	TERRAPLEN	0.532	11.59	50448.9	VEGETAL	4.023	83.42	52417.9
118680.000	FIRME	8.993	176.97	187746.2	D TIERRA	11.069	225.17	321537.1
	S SEL2	5.878	115.84	96310.5	SUELO EST3	6.033	118.68	125755.7
	TERRAPLEN	1.259	17.91	50466.8	VEGETAL	4.053	80.76	52498.6
118700.000	FIRME	8.664	176.57	187922.8	D TIERRA	10.337	214.06	321751.1
	S SEL2	5.628	115.06	96425.6	SUELO EST3	5.714	117.47	125873.2
	TERRAPLEN	0.414	16.73	50483.6	VEGETAL	3.840	78.93	52577.6
118720.000	FIRME	10.640	193.04	188115.9	D TIERRA	12.747	230.84	321982.0
	S SEL2	6.886	125.15	96550.7	SUELO EST3	6.972	126.86	126000.1
	D FIRME	2.622	26.22	95033.1	TERRAPLEN	0.015	4.29	50487.9
118740.000	VEGETAL	3.653	74.93	52652.5				
	FIRME	11.239	218.80	188334.6	D TIERRA	16.498	292.44	322274.4
	S SEL2	7.301	141.88	96692.6	SUELO EST3	7.297	142.69	126142.8
118760.000	D FIRME	4.093	67.16	95100.2	TERRAPLEN	0.000	0.15	50488.0
	VEGETAL	3.395	70.48	52723.0				
	FIRME	10.960	221.99	188556.6	D TIERRA	16.300	327.97	322602.4
118780.000	S SEL2	7.020	143.21	96835.8	SUELO EST3	7.058	143.55	126286.3
	D FIRME	4.655	87.49	95187.7	VEGETAL	3.060	64.55	52877.5
	FIRME	10.960	219.20	188775.8	D TIERRA	14.870	311.70	322914.1
118800.000	S SEL2	6.722	137.42	96973.2	SUELO EST3	6.727	137.86	126424.2
	D FIRME	5.140	97.95	95285.7	TERRAPLEN	0.003	0.03	50488.0
	VEGETAL	2.849	59.09	52846.6				
118820.000	FIRME	10.893	218.53	188994.4	D TIERRA	15.434	303.05	323217.1
	S SEL2	6.986	137.08	97110.3	SUELO EST3	7.069	137.96	126562.1
	D FIRME	5.103	102.43	95388.1	TERRAPLEN	0.015	0.18	50488.2
118840.000	VEGETAL	2.824	56.73	52903.3				
	FIRME	10.506	213.99	189208.4	D TIERRA	13.930	293.65	323510.8
	S SEL2	6.781	137.66	97248.0	SUELO EST3	6.865	139.34	126701.5
118860.000	D FIRME	5.123	102.26	95490.3	TERRAPLEN	0.016	0.31	50488.5
	VEGETAL	2.654	54.79	52958.1				

118900.000	VEGETAL	2.166	46.37	53107.8						D FIRME	97019.5
	FIRME	9.415	190.44	190015.1	D TIERRA	11.872	239.42	324558.1		TERRAPLEN	50494.1
	S_SEL2	6.046	121.70	97766.4	SUELO EST3	6.132	123.43	127226.8		EXCAVA SANE0	56637.5
	D FIRME	5.172	103.95	95907.0	TERRAPLEN	0.000	0.17	50489.7		TERRAP SANE0	59186.9
118920.000	VEGETAL	2.050	42.16	53149.9						VEGETAL	53735.8
	FIRME	9.363	187.78	190202.8	D TIERRA	11.482	233.54	324791.7		MUROS	1090.4
	S_SEL2	6.132	121.78	97888.1	SUELO EST3	6.219	123.51	127350.3			
	D FIRME	5.140	103.12	96010.1	TERRAPLEN	0.015	0.15	50489.8			
118940.000	VEGETAL	2.116	41.66	53191.6							
	FIRME	7.253	166.17	190369.0	D TIERRA	7.729	192.11	324983.8			
	S_SEL2	4.516	106.48	97994.6	SUELO EST3	4.604	108.22	127458.5			
	D FIRME	3.258	83.97	96094.1	TERRAPLEN	0.002	0.16	50490.0			
118960.000	VEGETAL	1.895	40.11	53231.7							
	FIRME	9.011	162.64	190531.6	D TIERRA	10.253	179.82	325163.6			
	S_SEL2	5.826	103.42	98098.0	SUELO EST3	5.912	105.15	127563.6			
	D FIRME	5.186	84.44	96178.5	TERRAPLEN	0.011	0.13	50490.1			
118980.000	VEGETAL	1.898	37.93	53269.6							
	FIRME	6.659	156.70	190688.3	D TIERRA	6.520	167.73	325331.3			
	S_SEL2	4.137	99.63	98197.7	SUELO EST3	4.225	101.37	127665.0			
	D FIRME	3.090	82.76	96261.3	TERRAPLEN	0.014	0.26	50490.4			
119000.000	VEGETAL	1.767	36.65	53306.3							
	FIRME	6.436	130.95	190819.3	D TIERRA	6.299	128.19	325459.5			
	S_SEL2	3.926	80.63	98278.3	SUELO EST3	4.037	82.62	127747.6			
	D FIRME	3.065	61.55	96322.8	TERRAPLEN	0.015	0.30	50490.7			
	VEGETAL	1.700	34.67	53340.9							

Istram 18.05.05.29 17/07/18 18:00:40 459

EJE: 2: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Izq.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
119020.000	FIRME	7.604	140.39	190959.7	D TIERRA	5.838	121.37	325580.9
	S SEL2	4.564	84.90	98363.2	SUELO EST3	4.681	87.19	127834.8
	D FIRME	3.477	65.42	96388.2	TERRAPLEN	0.001	0.16	50490.8
	VEGETAL	1.808	35.08	53376.0				
119040.000	FIRME	6.887	144.91	191104.6	D TIERRA	6.543	123.81	325704.7
	S SEL2	4.322	88.86	98452.1	SUELO EST3	4.490	91.72	127926.5
	D FIRME	2.753	62.30	96450.5	TERRAPLEN	0.016	0.16	50491.0
	VEGETAL	2.005	38.13	53414.1				
119060.000	FIRME	6.845	137.33	191241.9	D TIERRA	5.825	123.68	325828.4
	S SEL2	4.408	87.30	98539.4	SUELO EST3	4.494	89.84	128016.4
	D FIRME	2.693	54.46	96505.0	TERRAPLEN	0.016	0.32	50491.3
	VEGETAL	2.046	40.52	53454.7				
119080.000	FIRME	8.902	157.47	191399.4	D TIERRA	8.344	141.69	325970.1
	S SEL2	5.959	103.67	98643.0	SUELO EST3	6.117	106.11	128122.5
	D FIRME	5.274	79.68	96584.7	TERRAPLEN	0.015	0.31	50491.6
	VEGETAL	1.998	40.45	53495.1				
119100.000	FIRME	7.045	159.47	191558.9	D TIERRA	5.889	142.33	326112.4
	S SEL2	4.523	104.82	98747.9	SUELO EST3	4.466	105.82	128228.3
	D FIRME	2.572	78.46	96663.1	TERRAPLEN	0.032	0.47	50492.1
	VEGETAL	2.170	41.69	53536.8				
119120.000	FIRME	7.367	144.12	191703.0	D TIERRA	5.689	115.78	326228.2
	S SEL2	4.465	89.88	98837.7	SUELO EST3	4.592	90.57	128318.9
	D FIRME	2.797	53.68	96716.8	TERRAPLEN	0.015	0.47	50492.6
	VEGETAL	2.056	42.27	53579.1				
119140.000	FIRME	7.189	145.55	191848.5	D TIERRA	5.917	116.05	326344.2
	S SEL2	4.325	87.90	98925.6	SUELO EST3	4.483	90.75	128409.6
	D FIRME	2.667	54.64	96771.5	TERRAPLEN	0.015	0.29	50492.9
	VEGETAL	2.032	40.89	53619.9				
119160.000	FIRME	8.905	160.93	192009.5	D TIERRA	7.059	129.75	326470.4
	S SEL2	6.067	103.92	99029.6	SUELO EST3	6.174	106.57	128516.2
	D FIRME	5.273	79.41	96850.9	TERRAPLEN	0.021	0.36	50493.2
	VEGETAL	2.040	40.72	53660.7				
119180.000	FIRME	8.906	178.11	192187.6	D TIERRA	7.003	140.61	326614.6
	S SEL2	6.163	122.30	99151.9	SUELO EST3	6.191	123.65	128639.9
	D FIRME	5.221	104.95	96955.8	TERRAPLEN	0.024	0.45	50493.7
	VEGETAL	2.069	41.09	53701.8				

Istram 18.05.05.29 17/07/18 18:00:40 459

EJE: 2: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
119196.472	FIRME	6.905	130.22	192317.8	D TIERRA	5.892	106.20	326720.8
	S SEL2	4.316	86.30	99238.2	SUELO EST3	4.404	87.26	128727.1
	D FIRME	2.515	63.72	97019.5	TERRAPLEN	0.024	0.40	50494.1
	VEGETAL	2.068	34.07	53735.8				

Istram 18.05.05.29 17/07/18 18:00:40 459 pagina 127

EJE: 2: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Izq.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	192317.8
D TIERRA	326720.8
S ADECUADO	4350.1
S SEL2	99238.2
SUELO EST3	128727.1

DESBROCE TRONCO

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

pagina 1

* * * D E S B R O C E S * * *									

PK inicial		:	97500.000						
PK final		:	119197.092						
P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	-REAL-	-PLANTA-	-REAL-					
97500.000	0.000	0.000	14.039	14.351	0.000	0.000	0.000	0.000	
97520.000	0.000	0.000	14.104	14.421	0.000	281.433	0.000	287.724	
97540.000	0.000	0.000	14.117	14.417	0.000	563.638	0.000	576.103	
97560.000	0.000	0.000	14.150	14.482	0.000	846.306	0.000	865.089	
97580.000	0.000	0.000	14.178	14.561	0.000	1129.590	0.000	1155.513	
97600.000	0.000	0.000	14.305	14.704	0.000	1414.423	0.000	1448.157	
97620.000	0.000	0.000	14.300	14.652	0.000	1700.475	0.000	1741.714	
97640.000	0.000	0.000	14.427	14.721	0.000	1987.746	0.000	2035.442	
97660.000	0.000	0.000	14.434	14.683	0.000	2276.354	0.000	2329.477	
97680.000	0.000	0.000	14.382	14.674	0.000	2564.510	0.000	2623.041	
97700.000	0.000	0.000	14.371	14.797	0.000	2852.039	0.000	2917.751	
97720.000	0.000	0.000	14.335	14.744	0.000	3139.097	0.000	3213.164	
97740.000	0.000	0.000	14.292	14.640	0.000	3425.358	0.000	3507.004	
97760.000	0.000	0.000	14.290	14.588	0.000	3711.173	0.000	3799.277	
97780.000	0.000	0.000	14.515	14.847	0.000	3999.227	0.000	4093.627	
97800.000	0.000	0.000	15.053	15.405	0.000	4294.913	0.000	4396.154	
97820.000	0.000	0.000	15.576	15.992	0.000	4601.200	0.000	4710.128	
97840.000	0.000	0.000	16.119	16.601	0.000	4918.145	0.000	5036.058	
97860.000	0.000	0.000	17.314	17.821	0.000	5252.478	0.000	5380.277	
97880.000	0.000	0.000	16.896	17.172	0.000	5594.576	0.000	5730.208	
97900.000	0.000	0.000	16.305	16.560	0.000	5926.582	0.000	6067.525	
97920.000	0.000	0.000	15.064	15.315	0.000	6240.274	0.000	6386.268	
97940.000	0.000	0.000	14.156	14.468	0.000	6532.470	0.000	6684.096	
97960.000	0.000	0.000	13.823	14.145	0.000	6812.259	0.000	6970.231	
97980.000	0.000	0.000	13.782	14.036	0.000	7088.313	0.000	7252.041	
98000.000	0.000	0.000	13.739	14.012	0.000	7363.521	0.000	7532.515	
98020.000	0.000	0.000	13.761	14.015	0.000	7638.519	0.000	7812.785	
98040.000	0.000	0.000	13.735	13.998	0.000	7913.474	0.000	8092.921	
98060.000	0.000	0.000	13.740	14.031	0.000	8188.216	0.000	8373.211	
98080.000	0.000	0.000	13.026	13.310	0.000	8455.873	0.000	8646.620	
98100.000	0.000	0.000	11.284	11.530	0.000	8698.971	0.000	8895.027	
98120.000	0.000	0.000	9.441	9.692	0.000	8906.221	0.000	9107.249	
98140.000	0.000	0.000	16.487	16.761	0.000	9165.498	0.000	9371.773	
98160.000	0.000	0.000	16.209	16.433	0.000	9492.458	0.000	9703.707	
98180.000	0.560	0.560	15.474	15.692	5.600	9809.297	5.601	10024.955	
98200.000	0.000	0.000	16.193	16.374	11.201	10125.974	11.202	10345.617	
98220.000	0.000	0.000	16.150	16.293	11.201	10449.407	11.202	10672.291	

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

pagina 2

* * * D E S B R O C E S * * *									

PK inicial		:		97500.000					
PK final		:		119197.092					
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--					
98240.000	0.000	0.000	16.098	16.227	11.201	10771.882	11.202	10997.495	
98260.000	0.000	0.000	16.181	16.382	11.201	11094.669	11.202	11323.587	
98280.000	0.000	0.000	16.336	16.509	11.201	11419.843	11.202	11652.502	
98300.000	0.000	0.000	16.792	16.981	11.201	11751.125	11.202	11987.404	
98320.000	0.017	0.018	16.825	17.021	11.372	12087.299	11.380	12327.420	
98340.000	0.179	0.185	16.785	17.005	13.333	12423.400	13.412	12667.680	
98360.000	0.273	0.290	16.738	16.994	17.850	12758.625	18.162	13007.672	
98380.000	0.149	0.184	12.396	12.610	22.064	13049.968	22.900	13303.708	
98400.000	0.264	0.292	12.257	12.440	26.188	13296.504	27.664	13554.203	
98420.000	0.483	0.501	11.983	12.166	33.660	13538.902	35.593	13800.256	
98440.000	0.592	0.609	11.753	11.945	44.415	13776.262	46.688	14041.365	
98460.000	1.049	1.063	11.190	11.381	60.824	14005.691	63.403	14274.624	
98480.000	0.600	0.613	11.566	11.767	77.317	14233.244	80.160	14506.097	
98500.000	0.520	0.533	11.597	11.786	88.526	14464.867	91.616	14741.621	
98520.000	0.968	0.991	11.048	11.220	103.405	14691.315	106.852	14971.675	
98540.000	5.961	5.984	5.638	5.772	172.692	14858.174	176.601	15141.588	
98560.000	9.017	9.117	5.513	5.627	322.468	14969.676	327.612	15255.575	
98580.000	10.041	10.415	5.627	5.760	513.047	15081.072	522.928	15369.447	
98600.000	11.263	11.915	5.463	5.619	726.094	15191.977	746.229	15483.231	
98620.000	1.182	1.245	11.027	11.346	850.545	15356.878	877.833	15652.878	
98640.000	1.215	1.259	11.539	11.806	874.518	15582.540	902.871	15884.396	
98660.000	1.092	1.127	11.056	11.223	897.595	15808.497	926.726	16114.679	
98680.000	7.987	8.000	5.562	5.632	988.384	15974.683	1017.996	16283.226	
98700.000	14.198	14.794	0.000	0.000	1210.230	16030.306	1245.939	16339.548	
98720.000	2.410	2.469	9.549	9.713	1376.306	16125.796	1418.573	16436.681	
98740.000	4.120	4.188	8.108	8.243	1441.604	16302.367	1485.142	16616.242	
98760.000	11.187	12.469	6.808	6.905	1594.677	16451.528	1651.703	16767.718	
98780.000	13.434	14.302	4.252	4.300	1840.888	16562.132	1919.406	16879.762	
98800.000	12.006	12.456	4.213	4.249	2095.284	16646.788	2186.986	16965.253	
98820.000	10.922	11.074	4.022	4.055	2324.563	16729.143	2422.287	17048.300	
98840.000	9.651	9.707	4.064	4.110	2530.298	16810.009	2630.091	17129.956	

98860.000	1.544	1.592	4.223	4.280	2642.252	16892.879	2743.073	17213.857
98880.000	1.390	1.447	4.357	4.423	2671.588	16978.676	2773.461	17300.887
98900.000	1.485	1.546	4.238	4.290	2700.333	17064.622	2803.392	17388.016
98920.000	1.460	1.531	4.270	4.328	2729.781	17149.700	2834.157	17474.191
98940.000	2.295	2.371	4.018	4.088	2767.328	17232.581	2873.168	17558.352
98960.000	3.094	3.159	3.574	3.650	2821.214	17308.504	2928.460	17635.740

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

pagina 3

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PK inicial										:										97500.000																																																																					
PK final										:										119197.092																																																																					
ANCHOS OCUPADOS										AREA DE DESBROCE EN PLANTA										SUPERFICIE REAL																																																																					
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-PLANTA--										-REAL--										-PLANTA--										-REAL--																																																											
98980.000										3.623										3.666										3.455										3.532										2888.382										17378.799										2996.709										17707.565									
99000.000										4.012										4.057										3.522										3.594										2964.735										17448.564										3073.942										17778.827									
99020.000										4.505										4.556										3.582										3.649										3049.904										17519.604										3160.070										17851.260									
99040.000										4.593										4.661										3.694										3.758										3140.881										17592.364										3252.246										17925.329									
99060.000										8.407										8.468										3.354										3.419										3270.875										17662.841										3383.543										17997.096									
99080.000										8.424										8.479										3.470										3.538										3439.184										17731.079										3553.018										18066.662									
99100.000										7.832										7.893										4.111										4.201										3601.750										17806.885										3716.745										18144.048									
99120.000										7.767										7.828										4.114										4.218										3757.740										17889.136										3873.956										18228.235									
99140.000										9.479										9.540										3.710										3.819										3930.200										17967.377										4047.631										18308.605									
99160.000										9.881										9.944										3.745										3.860										4123.798										18041.927										4242.463										18385.402									
99180.000										8.338										8.409										4.032										4.154										4305.980										18119.700										4425.986										18465.543									
99200.000										10.306										10.366										4.131										4.246										4492.419										18201.328										4613.734										18549.545									
99220.000										2.654										2.798										11.155										11.335										4622.019										18354.180										4745.372										18705.360									
99240.000										2.877										3.015										11.407										11.566										4677.330										18579.795										4803.478										18934.370									
99260.000										3.070										3.197										11.564										11.705										4736.802										18809.504										4865.614										19167.077									
99280.000										3.377										3.500										11.538										11.669										4801.273										19040.530										4932.587										19400.814									
99300.000										2.554										2.690										12.424										12.601										4860.582										19280.156										4994.488										19643.512									
99320.000										2.651										2.783										11.966										12.143										4912.629										19524.055										5049.215										19890.950									
99340.000										2.512										2.657										11.640										11.837										4964.254										19760.110										5103.617										20130.747									
99360.000										2.851										2.988										11.110										11.363										5017.876										19987.612										5160.065										20362.745									
99380.000										2.376										2.517										11.084										11.340										5070.148										20209.553										5215.112										20589.773									
99400.000										2.282										2.422										10.595										10.863										5116.734										20426.344										5261.507										20811.805									
99420.000										2.784										2.916										9.835										10.056										5167.390										20630.653										5317.895										21020.995									
99440.000										2.793										2.923										9.721										9.940										5223.152										20826.215										5376.292										21220.947									
99460.000										2.872										2.995										9.729										9.971										5279.795										21020.712										5435.472										21420.050									
99480.000										2.851										2.974										9.725										9.997										5337.022										21215.250										5495.160										21619.730									
99500.000										2.841										2.956										9.779										10.069										5393.940										21410.286										5554.461										21820.397									
99520.000										2.704										2.810										9.943										10.224										5449.389										21607.503										5612.118										22023.334									
99540.000										2.427										2.523										10.065										10.358										5500.705										21807.579										5665.447										22229.158									
99560.000										2.352										2.445										10.242										10.550										5548.496										22010.645										5715.131										22438.239									
99580.000										2.415										2.508										10.097										10.427										5596.168										22214.037										5764.659										22648.015									
99600.000										2.238										2.348										10.118										10.480										5642.701										22416.185										5813.210										22857.095									
99620.000										2.005										2.119										10.127										10.511										5685.130										22618.168										5857.877										23067.009									
99640.000										2.068										2.169										10.033										10.284										5725.863										22820.229										5900.757										23274.956									
99660.000										1.655										1.752										10.606										10.933										5763.096										23026.624										5930.765										23487.128									
99680.000										1.457										1.549										10.798										11.128										5794.221										23240.664										5972.978										23707.741									
99700.000										1.451										1.537										10.826										11.149										5823.305										23456.899										6003.845										23930.514									

100300.000	0.000	0.000	14.234	14.598	5971.150	30997.659	6160.634	31641.492
100320.000	0.000	0.000	14.390	14.748	5971.150	31283.897	6160.634	31934.947
100340.000	0.000	0.000	13.627	13.824	5971.150	31564.065	6160.634	32220.668
100360.000	0.000	0.000	14.477	14.795	5971.150	31845.108	6160.634	32506.860
100380.000	0.000	0.000	14.606	14.941	5971.150	32135.935	6160.634	32804.216
100400.000	0.000	0.000	14.558	14.902	5971.150	32427.575	6160.634	33102.644
100420.000	0.000	0.000	14.455	14.829	5971.150	32717.714	6160.634	33399.956
100440.000	0.000	0.000	14.273	14.610	5971.150	33005.002	6160.634	33694.352

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

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100460.000										0.000										0.000										14.228										14.579										5971.150										33290.018										6160.634										33986.244									
100480.000										0.000										0.000										13.800										14.081										5971.150										33570.300										6160.634										34272.838									
100500.000										0.000										0.000										13.753										14.023										5971.150										33845.833										6160.634										34553.876									
100520.000										0.000										0.000										13.776										14.052										5971.150										34121.127										6160.634										34834.629									
100540.000										0.000										0.000										13.697										13.963										5971.150										34395.854										6160.634										35114.778									
100560.000										0.000										0.000										13.347										13.474										5971.150										34666.295										6160.634										35389.146									
100580.000										0.000										0.000										14.006										14.324										5971.150										34939.824										6160.634										35667.126									
100600.000										0.000										0.000										13.861										14.195										5971.150										35218.485										6160.634										35952.314									
100620.000										0.000										0.000										13.846										14.116										5971.150										35495.551										6160.634										36235.416									
100640.000										0.000										0.000										13.746										13.989										5971.150										35771.470										6160.634										36516.465									
100660.000										0.000										0.000										13.637										13.882										5971.150										36045.295										6160.634										36795.180									
100680.000										4.547										4.560										7.483										7.691										6016.616										36256.493										6206.234										37010.914									
100700.000										4.164										4.195										7.191										7.390										6103.726										36403.238										6293.781										37161.723									
100720.000										3.949										3.990										7.060										7.275										6184.857										36545.753										6375.629										37308.372									
100740.000										1.899										1.961										11.223										11.452										6243.333										36728.592										6435.138										37495.648									
100760.000										2.651										2.733										10.213										10.407										6288.830										36942.959										6482.071										37714.239									
100780.000										3.668										3.763										8.825										8.973										6352.019										37133.339										6547.023										37908.033									
100800.000										3.466										3.576										8.717										8.880										6423.363										37308.761										6620.411										38086.557									
100820.000										3.248										3.353										8.639										8.798										6490.504										37482.330										6689.706										38263.334									
100840.000										3.394										3.506										8.158										8.310										6556.924										37650.307										6758.296										38434.412									
100860.000										4.263										4.340										7.021										7.137										6633.494										37802.101										6836.753										38588.883									
100880.000										2.433										2.509										8.901										9.000										6700.450										37961.321										6905.243										38750.256									
100900.000										2.426										2.499										8.869										8.938										6749.042										38139.019										6955.321										38929.639									
100920.000										2.989										3.062										8.204										8.308										6803.196										38309.747										7010.925										39102.106									
100940.000										3.686										3.767										7.428										7.539										6869.942										38466.064										7079.214										39260.580									
100960.000										3.392										3.464										7.763										7.879										6940.721										38617.967										7151.524										39414.760									
100980.000										2.605										2.656										8.568										8.662										7000.697										38781.277										7212.727										39580.170									
101000.000										1.841										1.929										9.411										9.458										7045.160										38961.068										7258.586										39761.368									
101020.000										1.359										1.419										9.988										10.050										7077.159										39155.058										7292.074										39956.443									
101040.000										0.952										0.992										10.634										10.718										7100.267										39361.276										7316.190										40164.116									
101060.000										0.000										0.000										12.497										12.776										7109.786										39592.584										7326.112										40399.053									
101080.000										0.000										0.000										12.563										13.121										7109.786										39843.186										7326.112										40658.026									
101100.000										0.459										0.481										10.521										10.789										7114.381										40074.028										7330.927										40897.124									
101120.000										2.702										2.802										8.674										8.828										7145.992										40265.977										7363.761										41093.289									
101140.000										5.464										5.621										6.214										6.266										7227.646										40414.855										7447.996										41244.230									
101160.000										6.902										7.134										6.120										6.291										7351.307										40538.199										7575.555										41369.796									
101180.000										8.266										8.686										5.491										5.596										7502.988										40654.309										7733.758										41488.659									

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

D E S B R O C E S									

PK inicial		:		97500.000					
PK final		:		119197.092					
P.K.		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			

pagina 5

101740.000	10.389	10.503	1.573	1.590	13315.058	41494.117	13781.632	42339.209
101760.000	9.644	9.762	2.416	2.439	13515.391	41534.003	13984.283	42379.508
101780.000	9.202	9.365	2.901	2.940	13703.856	41587.166	14175.548	42433.300
101800.000	8.619	8.809	3.656	3.722	13882.071	41652.738	14357.287	42499.914
101820.000	7.646	7.801	3.884	3.965	14044.724	41728.144	14523.389	42576.786
101840.000	9.128	9.280	3.462	3.521	14212.465	41801.605	14694.194	42651.650
101860.000	12.080	12.205	1.381	1.388	14424.550	41850.027	14909.038	42700.737
101880.000	11.949	12.054	1.723	1.736	14664.841	41881.067	15151.622	42731.979
101900.000	11.896	11.994	1.176	1.185	14903.293	41910.066	15392.098	42761.189
101920.000	10.625	10.728	1.780	1.784	15128.509	41939.634	15619.316	42790.876

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PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

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PK inicial					:					97500.000																			
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P.K.		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL																			
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN																	
		PLANTA	REAL	PLANTA	REAL																								
101940.000		9.788	9.916	1.800	1.803	15332.646		41975.441		15825.756		42826.745																	
101960.000		8.898	9.051	1.640	1.651	15519.512		42009.849		16015.427		42861.282																	
101980.000		7.711	7.922	1.536	1.552	15685.604		42041.614		16185.153		42893.315																	
102000.000		6.703	7.101	1.263	1.289	15829.739		42069.605		16335.381		42921.733																	
102020.000		5.978	6.193	0.000	0.000	15956.543		42082.234		16468.321		42934.627																	
102040.000		16.334	16.407	0.000	0.000	16179.660		42082.234		16694.316		42934.627																	
102060.000		12.531	12.597	0.445	0.455	16468.309		42086.687		16984.347		42939.178																	
102080.000		11.743	11.805	1.342	1.369	16711.047		42104.556		17228.364		42957.427																	
102100.000		12.456	12.492	0.000	0.000	16953.038		42117.972		17471.340		42971.115																	
102120.000		12.069	12.095	0.000	0.000	17198.296		42117.972		17717.214		42971.115																	
102140.000		10.954	10.971	0.881	0.885	17428.528		42126.782		17947.871		42979.965																	
102160.000		9.516	9.625	2.146	2.318	17633.222		42157.049		18153.831		43011.994																	
102180.000		9.051	9.115	1.948	2.102	17818.886		42197.990		18341.234		43056.193																	
102200.000		8.958	8.992	3.012	3.169	17998.971		42247.593		18522.303		43108.904																	
102220.000		7.918	7.946	4.389	4.582	18167.729		42321.606		18691.683		43186.423																	
102240.000		2.451	2.537	3.552	3.777	18271.420		42401.018		18796.517		43270.016																	
102260.000		2.410	2.425	3.386	3.401	18320.034		42470.401		18846.135		43341.792																	
102280.000		1.496	1.550	4.767	4.921	18359.094		42551.935		18885.879		43425.005																	
102300.000		0.841	0.845	5.978	6.042	18382.459		42659.390		18909.826		43534.636																	
102320.000		0.541	0.550	5.602	5.651	18396.282		42775.195		18923.770		43651.569																	
102340.000		0.000	0.000	6.010	6.037	18401.696		42891.320		18929.267		43768.455																	
102360.000		1.362	1.392	6.052	6.132	18415.312		43011.947		18943.190		43890.150																	
102380.000		2.457	2.534	6.557	6.693	18453.497		43138.040		18982.454		44018.404																	
102400.000		2.014	2.031	8.282	8.426	18498.209		43286.426		19028.101		44169.594																	
102420.000		3.992	4.019	7.642	7.760	18558.277		43445.668		19088.599		44331.450																	
102440.000		5.875	5.913	7.011	7.111	18656.952		43592.206		19187.919		44480.154																	
102460.000		7.268	7.301	6.700	6.754	18788.378		43729.318		19320.064		44618.798																	
102480.000		10.169	10.305	4.757	4.871	18962.740		43843.890		19496.123		44735.044																	
102500.000		7.942	7.992	7.902	8.021	19143.844		43970.485		19679.084		44863.966																	
102520.000		8.598	8.640	8.012	8.164	19309.243		44129.622		19845.404		45025.814																	
102540.000		9.010	9.041	8.575	8.923	19485.324		44295.483		20022.221		45196.686																	
102560.000		10.622	10.668	7.743	7.793	19681.645		44458.654		20219.318		45363.848																	
102580.000		11.443	11.490	7.665	7.796	19902.297		44612.726		20440.903		45519.738																	
102600.000		12.311	12.337	7.703	7.871	20139.837		44766.405		20679.178		45676.403																	
102620.000		7.188	7.197	12.734	12.905	20334.822		44970.782		20874.517		45884.162																	
102640.000		10.292	10.308	9.997	10.212	20509.615		45198.092		21049.563		46115.332																	
102660.000		11.329	11.358	8.554	8.774	20725.826		45383.594		21266.262		46305.193																	

103180.000	1.211	1.237	7.956	8.066	22022.007	50564.196	22581.508	51585.627
103200.000	1.357	1.403	7.840	7.929	22047.691	50722.153	22607.907	51745.580
103220.000	1.547	1.594	7.671	7.732	22076.730	50877.262	22637.880	51902.194
103240.000	2.155	2.242	6.875	6.946	22113.754	51022.720	22676.245	52048.978
103260.000	2.203	2.303	6.712	6.796	22157.342	51158.586	22721.701	52186.401
103280.000	1.289	1.364	7.500	7.574	22192.265	51300.707	22758.379	52330.100
103300.000	1.878	1.931	7.215	7.377	22223.939	51447.857	22791.335	52479.604
103320.000	2.566	2.645	6.653	6.787	22268.381	51586.534	22837.093	52621.245
103340.000	3.247	3.331	5.842	5.962	22326.511	51711.484	22896.850	52748.743
103360.000	3.471	3.571	5.643	5.724	22393.693	51826.331	22965.871	52865.611
103380.000	3.203	3.318	5.806	5.877	22460.430	51940.817	23034.758	52981.629
103400.000	4.031	4.168	4.858	4.904	22532.769	52047.455	23109.612	53089.443

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

* * *				D E S B R O C E S				* * *				

PK inicial		:		97500.000								
PK final		:		119197.092								

ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--								
103420.000	4.205	4.346	4.584	4.629	22615.135	52141.875	23194.745	53184.776				
103440.000	3.275	3.365	5.671	5.772	22689.936	52244.429	23271.856	53288.792				
103460.000	3.671	3.762	5.362	5.496	22759.389	52354.760	23343.129	53401.470				
103480.000	4.194	4.265	4.518	4.595	22838.035	52453.554	23423.396	53502.377				
103500.000	7.540	7.858	4.294	4.399	22955.378	52541.670	23544.627	53592.318				
103520.000	6.766	7.337	5.673	5.831	23098.447	52641.340	23696.578	53694.618				
103540.000	8.407	9.051	4.439	4.636	23250.184	52742.462	23860.458	53799.282				
103560.000	7.041	7.463	4.866	4.962	23404.670	52835.517	24025.599	53895.258				
103580.000	7.649	8.029	4.230	4.343	23551.572	52926.479	24180.522	53988.310				
103600.000	7.505	7.635	3.938	4.016	23703.108	53008.153	24337.165	54071.906				
103620.000	7.063	7.245	4.454	4.617	23848.780	53092.068	24485.959	54158.243				
103640.000	5.495	5.689	5.978	6.132	23974.355	53196.384	24615.293	54265.736				
103660.000	2.355	2.415	6.511	6.608	24052.852	53321.270	24696.332	54393.135				
103680.000	3.342	3.403	5.566	5.630	24109.823	53442.039	24754.517	54515.513				
103700.000	2.575	2.648	6.327	6.387	24168.999	53560.969	24815.037	54635.680				
103720.000	2.683	2.770	6.147	6.211	24221.579	53685.712	24869.225	54761.661				
103740.000	2.773	2.883	6.003	6.063	24276.138	53807.218	24925.762	54884.410				
103760.000	2.472	2.559	6.410	6.486	24328.594	53931.347	24980.191	55009.901				
103780.000	2.490	2.564	6.322	6.399	24378.221	54058.667	25031.427	55138.743				
103800.000	2.538	2.583	6.415	6.499	24428.506	54186.035	25082.902	55267.721				
103820.000	3.446	3.481	5.827	5.937	24488.348	54308.451	25143.542	55392.084				
103840.000	3.080	3.110	6.145	6.251	24553.609	54428.172	25209.449	55513.969				
103860.000	3.266	3.303	5.910	6.008	24617.069	54548.720	25273.574	55636.566				
103880.000	3.533	3.577	5.616	5.706	24685.056	54663.974	25342.374	55753.712				
103900.000	3.047	3.097	6.160	6.251	24750.856	54781.728	25409.121	55873.285				
103920.000	2.390	2.446	6.864	6.977	24805.225	54911.962	25464.554	56005.561				
103940.000	2.499	2.558	6.779	6.897	24854.115	55048.390	25514.596	56144.302				
103960.000	2.501	2.557	6.914	7.025	24904.118	55185.324	25565.751	56283.521				
103980.000	2.634	2.693	6.786	6.885	24955.471	55322.324	25618.257	56422.615				
104000.000	3.435	3.474	5.348	5.449	25016.169	55443.662	25679.934	56545.956				
104020.000	3.412	3.587	5.413	5.482	25084.642	55551.269	25749.261	56655.272				
104040.000	3.544	3.587	5.046	5.117	25154.198	55655.853	25819.712	56761.261				
104060.000	3.178	3.269	5.917	6.032	25221.413	55765.482	25888.273	56872.746				
104080.000	3.511	3.599	5.408	5.509	25288.304	55878.728	25956.954	56988.154				
104100.000	3.141	3.233	5.790	5.998	25354.831	55990.702	26025.274	57103.222				
104120.000	7.588	7.874	4.320	4.446	25462.122	56091.803	26136.348	57207.664				
104140.000	9.141	9.409	2.977	3.038	25629.407	56164.781	26309.174	57282.509				

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

* * * D E S B R O C E S * * *									

PK inicial		:		97500.000					
PK final		:		119197.092					

ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P.K.	-----		-----		-----		-----		-----
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	-PLANTA-		--REAL--		-PLANTA-		--REAL--		
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104160.000	9.351	9.662	2.859	2.916	25814.322	56223.142	26499.883	57342.052	
104180.000	8.874	9.209	3.257	3.332	25996.571	56284.303	26688.600	57404.532	
104200.000	8.023	8.363	4.096	4.229	26165.543	56357.836	26864.327	57480.146	
104220.000	7.825	8.136	4.232	4.355	26324.029	56441.113	27029.317	57565.993	
104240.000	7.286	7.519	4.449	4.590	26475.142	56527.918	27185.868	57655.452	
104260.000	3.253	3.313	5.537	5.677	26580.527	56627.771	27294.193	57758.129	
104280.000	3.216	3.277	5.545	5.697	26645.213	56738.585	27360.098	57871.872	
104300.000	3.514	3.565	5.084	5.193	26712.517	56844.873	27428.525	57980.773	
104320.000	3.325	3.390	5.329	5.415	26780.908	56949.000	27498.076	58086.855	
104340.000	2.630	2.729	6.153	6.241	26840.457	57063.814	27559.259	58203.419	
104360.000	2.513	2.610	6.265	6.371	26891.884	57187.997	27612.644	58329.543	
104380.000	2.630	2.746	6.044	6.153	26943.310	57311.088	27666.200	58454.779	
104400.000	3.205	3.323	5.385	5.494	27001.657	57425.371	27726.881	58571.247	
104420.000	2.876	3.011	5.804	5.908	27062.458	57537.262	27790.220	58685.268	
104440.000	2.687	2.830	5.945	6.057	27118.083	57654.758	27848.637	58804.920	
104460.000	2.432	2.550	6.258	6.357	27169.278	57776.792	27902.444	58929.065	
104480.000	2.256	2.350	6.482	6.581	27216.165	57904.194	27951.451	59058.443	
104500.000	2.859	2.961	5.813	5.892	27267.315	58027.146	28004.562	59183.167	
104520.000	3.006	3.087	5.736	5.808	27325.967	58142.642	28065.040	59300.165	
104540.000	3.161	3.253	5.636	5.709	27387.643	58256.364	28128.445	59415.332	
104560.000	2.995	3.075	5.873	5.946	27449.207	58371.453	28191.731	59531.881	
104580.000	3.540	3.604	5.297	5.365	27514.562	58483.150	28258.522	59644.990	
104600.000	3.390	3.438	5.480	5.551	27583.863	58590.914	28328.940	59754.148	

pagina 9

104620.000	3.323	3.362	5.589	5.669	27650.994	58701.598	28396.944	59866.346
104640.000	3.581	3.634	5.382	5.450	27720.033	58811.303	28466.910	59977.535
104660.000	3.616	3.684	5.297	5.384	27791.999	58918.087	28540.091	60085.879
104680.000	3.494	3.559	5.304	5.404	27863.101	59024.097	28612.520	60193.765
104700.000	2.755	2.804	5.902	6.016	27925.594	59136.156	28676.152	60307.968
104720.000	3.728	3.774	4.773	4.841	27990.425	59242.902	28741.934	60416.537
104740.000	3.549	3.590	4.881	4.944	28063.197	59339.443	28815.578	60514.386
104760.000	3.410	3.456	5.009	5.077	28132.788	59438.342	28886.047	60614.598
104780.000	3.533	3.571	4.888	4.948	28202.216	59537.313	28956.325	60714.850
104800.000	3.262	3.295	5.180	5.241	28270.168	59637.993	29024.989	60816.739
104820.000	3.530	3.571	5.004	5.050	28338.086	59739.828	29093.645	60919.651
104840.000	4.039	4.097	4.456	4.494	28413.776	59834.421	29170.319	61015.091
104860.000	3.991	4.040	4.618	4.668	28494.075	59925.162	29251.682	61106.708
104880.000	3.800	3.880	4.774	4.827	28571.985	60019.083	29330.879	61201.658

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

		* * *		D E S B R O C E S				* * *				

PK inicial		:		97500.000								
PK final		:		119197.092								
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL								
104900.000	3.581	3.664	5.061	5.123	28645.799	60117.425	29406.323	61301.154				
104920.000	4.055	4.148	4.653	4.710	28722.159	60214.565	29484.451	61399.476				
104940.000	3.797	3.891	5.006	5.053	28800.678	60311.154	29564.845	61497.100				
104960.000	4.213	4.335	4.651	4.707	28880.778	60407.718	29647.100	61594.699				
104980.000	3.419	3.507	5.704	5.791	28957.095	60511.263	29725.512	61689.680				
105000.000	3.245	3.291	6.264	6.347	29023.734	60630.942	29793.488	61821.057				
105020.000	2.450	2.485	7.122	7.178	29080.690	60764.801	29851.244	61956.302				
105040.000	2.437	2.479	7.293	7.345	29129.566	60908.947	29900.880	62101.528				
105060.000	2.382	2.451	7.435	7.557	29177.765	61056.229	29950.180	62250.542				
105080.000	2.086	2.166	7.747	7.789	29222.447	61208.047	29996.353	62404.901				
105100.000	1.947	2.042	7.839	7.998	29262.774	61363.906	30038.434	62563.675				
105120.000	2.235	2.306	7.891	8.095	29304.594	61521.204	30081.908	62724.607				
105140.000	1.592	1.659	8.651	8.914	29342.864	61686.619	30121.551	62894.694				
105160.000	1.878	1.904	7.929	8.206	29377.567	61852.422	30157.177	63065.886				
105180.000	1.510	1.547	8.007	8.271	29411.454	62011.783	30191.680	63230.653				
105200.000	0.910	0.938	7.801	7.944	29435.661	62169.865	30216.522	63392.800				
105220.000	0.998	1.025	7.064	7.200	29454.742	62318.521	30236.144	63544.236				
105240.000	2.337	2.500	6.325	6.506	29488.093	62452.417	30271.393	63681.301				
105260.000	4.755	4.945	5.909	6.163	29559.020	62574.767	30345.844	63809.950				
105280.000	7.777	7.989	4.840	5.034	29684.340	62682.265	30475.181	63919.992				
105300.000	8.387	8.760	4.868	4.991	29845.976	62779.346	30642.672	64020.195				
105320.000	8.700	9.147	5.075	5.263	30016.845	62878.775	30821.739	64122.731				
105340.000	8.510	9.000	5.156	5.438	30188.946	62981.087	31003.201	64229.74				
105360.000	7.982	8.558	5.420	5.716	30353.866	63086.846	31178.777	64341.282				
105380.000	6.996	7.610	5.751	6.078	30503.645	63198.560	31340.455	64459.225				
105400.000	5.957	6.551	5.937	6.380	30633.173	63315.442	31482.064	64583.807				
105420.000	4.155	4.765	6.520	6.962	30734.290	63440.010	31595.229	64717.228				
105440.000	1.057	1.167	9.526	10.063	30786.413	63600.467	31654.558	64887.482				
105460.000	0.422	0.456	8.800	9.186	30801.204	63783.724	31760.791	65079.971				
105480.000	0.418	0.447	8.740	9.185	30809.601	63959.128	31679.820	65263.675				
105500.000	0.242	0.245	9.007	9.203	30816.204	64136.599	31686.738	65447.554				
105520.000	0.066	0.067	8.941	9.162	30819.286	64316.083	31689.849	65613.209				
105540.000	0.023	0.024	8.937	9.170	30820.179	64494.868	31690.751	65814.529				
105560.000	0.141	0.143	8.626	8.829	30821.825	64670.497	31692.415	65994.522				
105580.000	0.367	0.372	8.150	8.316	30826.911	64838.260	31697.561	66165.973				
105600.000	0.740	0.750	7.501	7.579	30837.985	64994.777	31708.778	66324.922				
105620.000	1.325	1.339	7.032	7.162	30858.631	65140.114	31729.662	66472.34				

106060.000	8.453	8.651	2.136	2.167	32553.540	67019.332	33452.884	68380.461
106080.000	11.465	11.721	0.000	0.000	32752.725	67040.692	33656.609	68402.127
106100.000	12.148	12.368	0.000	0.000	32988.854	67040.692	33897.496	68402.127
106120.000	12.863	13.135	0.000	0.000	33238.960	67040.692	34152.525	68402.127
106140.000	13.480	13.852	0.000	0.000	33502.384	67040.692	34422.398	68402.127
106160.000	13.231	13.572	0.000	0.000	33769.491	67040.692	34696.641	68402.127
106180.000	13.211	13.526	0.000	0.000	34033.914	67040.692	34967.623	68402.127
106200.000	12.469	12.726	0.000	0.000	34290.716	67040.692	35230.144	68402.127
106220.000	10.086	10.335	2.171	2.176	34516.265	67062.403	35460.755	68423.887
106240.000	13.318	13.399	0.000	0.000	34750.306	67084.115	35698.092	68445.648
106260.000	12.020	12.090	0.000	0.000	35003.684	67084.115	35952.981	68445.648
106280.000	8.642	8.978	4.250	4.407	35210.297	67126.617	36163.665	68489.717
106300.000	7.796	8.164	5.355	5.487	35374.677	67222.671	36335.086	68588.658
106320.000	6.936	7.302	5.955	6.021	35522.002	67335.769	36489.746	68703.738
106340.000	6.986	7.592	6.376	6.403	35661.225	67459.078	36638.691	68827.979
106360.000	4.634	4.642	4.526	4.541	35777.425	67568.102	36761.036	68937.421

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * *				D E S B R O C E S				* * *				

PK inicial		: 97500.000										
PK final		: 119197.092										

		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL								
106380.000	0.855	0.865	8.701	8.874	35832.316	67700.376	36816.103	69071.563				
106400.000	1.439	1.456	7.742	7.834	35855.255	67864.807	36839.307	69238.635				
106420.000	3.930	4.206	8.658	9.052	35908.937	68028.800	36895.921	69407.489				
106440.000	0.102	0.106	10.213	10.382	35949.257	68217.509	36939.041	69601.826				
106460.000	0.000	0.000	10.684	10.783	35950.281	68426.486	36940.105	69813.473				
106480.000	6.119	6.694	8.908	9.004	36011.468	68622.412	37007.042	70011.344				
106500.000	0.000	0.000	11.519	11.669	36072.655	68826.687	37073.980	70218.080				
106520.000	0.000	0.000	11.501	11.732	36072.655	69056.893	37073.980	70452.092				
106540.000	0.000	0.000	10.952	11.222	36072.655	69281.431	37073.980	70681.631				
106560.000	0.000	0.000	10.444	10.726	36072.655	69495.395	37073.980	70901.112				
106580.000	0.000	0.000	9.771	10.117	36072.655	69697.541	37073.980	71109.538				
106600.000	0.000	0.000	9.410	9.748	36072.655	69889.351	37073.980	71308.184				
106620.000	0.000	0.000	9.075	9.277	36072.655	70074.205	37073.980	71498.432				
106640.000	0.000	0.000	9.056	9.295	36072.655	70255.510	37073.980	71684.151				
106660.000	0.000	0.000	9.092	9.329	36072.655	70436.982	37073.980	71870.391				
106680.000	0.000	0.000	9.202	9.501	36072.655	70619.924	37073.980	72058.687				
106700.000	0.000	0.000	9.314	9.639	36072.655	70805.089	37073.980	72250.083				
106720.000	0.000	0.000	9.521	9.814	36072.655	70993.438	37073.980	72444.609				
106740.000	0.000	0.000	9.518	9.827	36072.655	71183.831	37073.980	72641.012				
106760.000	0.000	0.000	6.613	6.820	36072.655	71345.147	37073.980	72807.476				
106780.000	0.000	0.000	5.899	6.084	36072.655	71470.269	37073.980	72936.509				
106800.000	0.000	0.000	2.721	2.763	36072.655	71556.473	37073.980	73024.980				
106820.000	0.000	0.000	9.226	9.409	36072.655	71675.947	37073.980	73146.703				
106840.000	0.097	0.099	9.424	9.595	36073.628	71862.444	37074.972	73336.741				
106860.000	0.492	0.529	9.126	9.266	36079.518	72047.940	37081.253	73525.348				
106880.000	0.504	0.517	9.246	9.457	36089.477	72231.660	37091.709	73712.574				
106900.000	0.325	0.334	9.442	9.716	36097.775	72418.542	37100.221	73904.298				
106920.000	0.417	0.432	9.368	9.638	36105.199	72606.648	37107.881	74097.831				
106940.000	0.448	0.460	9.385	9.638	36113.847	72794.178	37116.800	74290.594				
106960.000	0.672	0.684	9.216	9.459	36125.041	72980.185	37128.239	74481.569				
106980.000	0.745	0.759	9.047	9.254	36139.210	73162.813	37142.667	74668.697				
107000.000	2.207	2.236	7.060	7.155	36168.732	73323.878	37172.622	74832.781				
107020.000	0.000	0.000	3.093	3.142	36190.802	73425.401	37194.985	74935.744				
107040.000	0.643	0.649	4.998	5.056	36197.234	73506.306	37201.472	75017.724				
107060.000	1.965	1.984	3.898	3.938	36223.317	73595.262	37227.800	75107.664				
107080.000	1.446	1.500	8.296	8.441	36257.423	73717.205	37262.644	75231.455				
107100.000	1.375	1.458	8.265	8.442	36285.624	73882.816	37292.223	75400.292				

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

			D E S B R O C E S				*****		

PK inicial		: 97500.000							
PK final		: 119197.092							

P.K.		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA	REAL	PLANTA	REAL			DESMONTE	TERRAPLEN
-----		-----	-----	-----	-----	-----		-----	-----
107120.000	1.943	2.051	7.723	7.900	36318.805	74042.690	37327.305	75563.715	
107140.000	2.479	2.604	7.258	7.467	36363.029	74192.498	37373.853	75717.387	
107160.000	3.196	3.283	6.631	6.792	36419.783	74331.384	37432.727	75859.982	
107180.000	3.690	3.766	5.907	6.040	36488.647	74456.762	37503.222	75988.306	
107200.000	3.547	3.663	5.952	6.147	36561.013	74575.353	37577.516	76110.180	
107220.000	2.205	2.408	7.415	7.648	36618.532	74709.026	37638.231	76248.132	
107240.000	1.605	1.885	8.046	8.279	36656.634	74863.638	37681.161	76407.405	
107260.000	1.762	1.997	7.862	8.031	36690.301	75022.720	37719.979	76570.508	
107280.000	1.651	1.918	8.140	8.329	36724.433	75182.739	37759.125	76734.103	
107300.000	2.004	2.253	7.928	8.099	36760.991	75343.412	37800.827	76898.377	
107320.000	1.950	2.172	8.195	8.344	36800.530	75504.644	37845.071	77062.799	
107340.000	1.805	2.023	8.434	8.601	36838.075	75670.936	37887.022	77232.247	
107360.000	2.185	2.288	7.834	7.983	36877.977	75833.612	37930.133	77398.085	
107380.000	2.584	2.654	7.304	7.410	36925.667	75984.989	37979.553	77552.013	
107400.000	3.352	3.411	6.375	6.461	36985.021	76121.777	38040.203	77690.729	
107420.000	3.746	3.814	5.903	5.997	37056.004	76244.553	38112.453	77815.312	
107440.000	4.248	4.321	5.013	5.106	37135.949	76353.712	38193.807	77926.342	
107460.000	6.987	7.106	4.848	4.956	37248.296	76452.319	38308.083	78026.967	
107480.000	6.889	7.032	5.192	5.303	37387.054	76552.713	38449.468	78129.558	

pagina 13

107500.000	6.839	7.012	5.236	5.371	37524.337	76656.992	38589.909	78236.296
107520.000	7.185	7.375	4.870	5.015	37664.582	76758.052	38733.781	78340.157
107540.000	7.604	7.805	4.420	4.547	37812.475	76850.950	38885.584	78435.780
107560.000	8.215	8.423	3.797	3.907	37970.662	76933.119	39047.868	78520.322
107580.000	8.575	8.778	3.430	3.528	38138.558	77005.384	39219.886	78594.671
107600.000	8.595	8.786	3.344	3.426	38310.260	77073.123	39395.534	78664.207
107620.000	4.846	4.967	4.400	4.504	38444.677	77150.564	39533.071	78743.505
107640.000	4.759	4.865	4.558	4.658	38540.729	77240.144	39631.398	78835.122
107660.000	4.047	4.163	5.266	5.399	38628.781	77338.387	39721.685	78935.690
107680.000	3.883	3.999	5.537	5.686	38708.075	77446.413	39803.305	79046.538
107700.000	3.804	3.947	5.355	5.543	38784.947	77555.330	39882.764	79158.829
107720.000	6.669	6.925	4.972	5.122	38889.679	77658.595	39991.487	79265.484
107740.000	7.332	7.560	4.365	4.476	39029.689	77751.965	40136.341	79361.463
107760.000	7.748	7.979	3.953	4.053	39180.488	77835.151	40291.728	79446.748
107780.000	8.243	8.649	4.153	4.280	39340.395	77916.211	40458.009	79530.078
107800.000	4.432	4.525	4.742	4.852	39467.143	78005.160	40589.751	79621.404
107820.000	11.451	11.451	0.000	0.000	39625.971	78052.582	40749.514	79669.929
107840.000	14.015	14.525	0.000	0.000	39880.627	78052.582	41009.282	79669.929

Istram 18.05.05.29 17/07/18 18:03:27 459

PROYECTO :

EJE:

108940.000	7.831	7.831	0.814	0.814	41591.451	87939.110	42811.876	89802.808
108960.000	2.920	2.979	7.042	7.244	41698.954	88017.666	42919.973	89883.386
108980.000	4.638	4.708	6.947	7.121	41774.530	88157.552	42996.844	90027.031
109000.000	6.837	6.951	5.065	5.208	41889.274	88277.677	43113.434	90150.323
109020.000	7.200	7.336	4.872	5.019	42029.635	88377.050	43256.303	90252.594
109040.000	7.352	7.522	5.055	5.216	42175.150	88476.322	43404.891	90354.938
109060.000	7.934	8.157	4.516	4.722	42328.006	88572.039	43561.689	90454.317
109080.000	8.440	8.680	4.511	4.688	42491.743	88662.315	43730.059	90548.423
109100.000	8.868	9.143	4.646	4.787	42664.825	88753.883	43908.286	90643.182
109120.000	8.337	8.703	5.255	5.411	42836.878	88852.887	44086.750	90745.163
109140.000	5.526	5.862	4.840	4.986	42975.509	88953.831	44232.407	90849.128
109160.000	5.964	6.316	4.355	4.431	43090.404	89045.778	44354.186	90943.296
109180.000	2.677	2.778	3.758	3.813	43176.806	89126.903	44445.123	91025.742
109200.000	2.379	2.449	3.551	3.606	43227.366	89199.991	44497.395	91099.937
109220.000	2.191	2.261	3.465	3.525	43273.066	89270.153	44544.497	91171.252
109240.000	1.999	2.044	2.784	2.842	43314.963	89332.648	44587.550	91234.929
109260.000	11.356	11.369	0.000	0.000	43448.516	89360.492	44721.685	91263.351
109280.000	12.094	12.108	0.000	0.000	43683.021	89360.492	44956.457	91263.351
109300.000	13.229	13.354	0.000	0.000	43936.257	89360.492	45211.080	91263.351
109320.000	9.047	9.139	2.882	2.910	44159.023	89389.313	45436.017	91292.448

Istram 18.05.05.29 17/07/18 18:03:28 459
PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

***** * * * D E S B R O C E S * * * *****							
PK inicial : 97500.000							
PK final : 119197.092							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----
109340.000	6.038	6.125	4.068	4.104	44309.878	89458.817	91362.579
109360.000	12.172	12.310	1.269	1.300	44491.979	89512.186	91416.617
109380.000	14.230	14.300	0.000	0.000	44755.994	89524.874	91429.619
109400.000	13.219	13.290	0.000	0.000	45030.478	89524.874	91429.619
109420.000	7.053	7.091	0.000	0.000	45233.193	89524.874	91429.619
109440.000	7.661	7.716	0.000	0.000	45380.334	89524.874	91429.619
109460.000	7.930	8.011	0.000	0.000	45536.246	89524.874	91429.619
109480.000	7.936	8.047	0.000	0.000	45694.901	89524.874	91429.619
109500.000	8.479	8.576	0.000	0.000	45859.046	89524.874	91429.619
109520.000	7.865	7.950	0.000	0.000	46022.485	89524.874	91429.619
109540.000	7.749	7.822	0.000	0.000	46178.624	89524.874	91429.619
109560.000	7.174	7.261	0.000	0.000	46327.850	89524.874	91429.619
109580.000	4.738	4.827	0.000	0.000	46446.971	89524.874	91429.619
109600.000	6.999	7.181	1.169	1.190	46564.346	89536.568	91441.519
109620.000	8.085	8.312	0.869	0.891	46715.187	89556.951	91462.326
109640.000	6.309	6.575	2.052	2.077	46859.131	89586.161	91492.008
109660.000	6.087	6.364	2.015	2.049	46983.090	89626.829	91533.276
109680.000	4.740	4.963	2.716	2.825	47091.359	89674.138	91582.019
109700.000	4.082	4.246	3.136	3.314	47179.587	89732.661	91643.408
109720.000	3.254	3.405	3.649	3.874	47252.949	89800.508	91715.287
109740.000	2.562	2.676	3.971	4.254	47311.106	89876.700	91796.567
109760.000	0.941	1.022	4.274	4.572	47346.136	89959.141	91884.825
109780.000	1.293	1.316	4.364	4.668	47368.472	90045.521	91977.225
109800.000	1.042	1.043	5.117	5.410	47391.824	90140.335	92078.004
109820.000	0.000	0.000	6.866	7.131	47402.248	90260.165	92203.405
109840.000	0.000	0.000	10.789	11.022	47402.248	90436.709	92384.928
109860.000	0.000	0.000	11.292	11.703	47402.248	90657.515	92612.174
109880.000	1.114	1.114	10.037	10.498	47413.387	90870.805	92834.184
109900.000	1.244	1.244	9.947	10.366	47436.964	91070.647	93042.826
109920.000	0.886	0.886	10.404	10.779	47458.264	91274.157	93254.275
109940.000	0.440	0.440	10.950	11.306	47471.525	91487.695	93475.122
109960.000	0.000	0.000	11.647	12.013	47475.926	91713.664	93708.311
109980.000	0.000	0.000	11.786	12.171	47475.926	91947.990	93950.150
110000.000	0.000	0.000	11.902	12.357	47475.926	92184.867	94195.433
110020.000	0.000	0.000	11.914	11.969	47475.926	92423.024	94438.699
110040.000	0.000	0.000	12.233	12.299	47475.926	92664.487	94681.382
110060.000	0.000	0.000	11.617	11.683	47475.926	92902.985	94809.649

Istram 18.05.05.29 17/07/18 18:03:28 459
PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

***** * * * D E S B R O C E S * * * *****							
PK inicial : 97500.000							
PK final : 119197.092							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----
110080.000	0.000	0.000	11.155	11.197	47475.926	93130.710	95150.001
110100.000	0.364	0.364	10.039	10.079	47479.570	93342.657	95362.767
110120.000	0.000	0.000	10.532	10.730	47483.215	93548.369	95570.858
110140.000	0.000	0.000	10.317	10.480	47483.215	93756.856	95782.951
110160.000	0.000	0.000	9.803	9.995	47483.215	93958.057	95987.695
110180.000	0.000	0.000	9.366	9.566	47483.215	94149.752	96183.304
110200.000	0.010	0.011	9.244	9.459	47483.317	94335.856	96373.552
110220.000	0.303	0.310	8.930	9.129	47486.450	94517.600	96559.426
110240.000	2.837	2.851	6.329	6.475	47517.856	94670.193	96715.464
110260.000	2.747	2.768	6.391	6.583	47573.703	94797.398	96846.043
110280.000	1.278	1.310	8.066	8.286	47613.958	94941.968	96994.736
110300.000	1.540	1.580	7.785	7.998	47642.137	95100.474	97157.580
110320.000	1.936	1.986	7.265	7.465	47676.900	95250.967	97312.215
110340.000	2.396	2.451	6.716	6.897	47720.223	95390.771	97455.837
110360.000	2.655	2.719	6.514	6.664	47770.729	95523.070	97591.441

pagina 17

110380.000	2.862	2.927	6.217	6.362	47825.893	95650.377	49165.912	97721.694
110400.000	3.231	3.305	5.608	5.763	47886.822	95768.620	49228.239	97842.941
110420.000	3.394	3.476	5.428	5.537	47953.071	95878.981	49296.050	97955.943
110440.000	3.304	3.382	5.647	5.725	48020.046	95989.732	49364.632	98068.559
110460.000	3.618	3.691	5.318	5.381	48089.270	96099.377	49435.362	98179.612
110480.000	3.703	3.784	5.227	5.295	48162.483	96204.825	49510.114	98286.368
110500.000	3.869	3.968	5.003	5.060	48238.199	96307.126	49587.635	98389.915
110520.000	3.288	3.415	5.550	5.606	48309.768	96412.660	49661.465	98496.573
110540.000	3.773	3.889	5.043	5.089	48380.380	96518.592	49734.504	98603.525
110560.000	4.289	4.392	4.499	4.534	48460.999	96614.010	49817.312	98699.761
110580.000	4.228	4.334	4.645	4.689	48546.165	96705.445	49904.574	98791.997
110600.000	4.572	4.664	4.354	4.414	48634.163	96795.437	49994.551	98883.032
110620.000	4.595	4.676	4.248	4.315	48725.835	96881.462	50087.944	98970.321
110640.000	4.743	4.845	4.089	4.170	48819.215	96964.834	50183.148	99055.163
110660.000	5.430	5.517	3.483	3.543	48920.948	97040.554	50286.767	99132.286
110680.000	5.231	5.330	3.369	3.453	49027.559	97109.074	50395.242	99202.241
110700.000	6.189	6.287	2.126	2.188	49141.762	97164.023	50511.418	99258.646
110720.000	7.474	7.620	3.471	3.521	49278.393	97219.994	50650.487	99315.734
110740.000	7.007	7.184	4.028	4.117	49423.200	97294.983	50798.524	99392.113
110760.000	3.242	3.380	5.082	5.284	49525.694	97386.084	50904.160	99486.117
110780.000	2.908	3.044	5.583	5.680	49587.201	97492.743	50968.392	99595.751
110800.000	2.987	3.108	5.642	5.725	49646.155	97604.991	51029.910	99709.799

Istram 18.05.05.29 17/07/18 18:03:28 459
PROYECTO :

EJE: 1: Autov^{de} Castilla A-62: Due^s-Cigales Dch.

		* * *		D E S B R O C E S				* * *				

PK inicial		: 97500.000										
PK final		: 119197.092										
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL								
110820.000	2.968	3.093	5.689	5.787	49705.707	97718.299			51091.917		99824.921	
110840.000	3.065	3.193	5.683	5.781	49766.042	97832.023			51154.771		99940.601	
110860.000	3.299	3.408	5.527	5.614	49829.681	97944.127			51220.783		100054.546	
110880.000	3.224	3.328	5.660	5.751	49894.907	98055.996			51288.143		100168.193	
110900.000	3.128	3.220	5.773	5.862	49958.424	98170.318			51353.620		100284.324	
110920.000	2.748	2.829	6.193	6.288	50017.179	98289.978			51414.115		100405.820	
110940.000	3.427	3.508	5.656	5.750	50078.928	98408.468			51477.490		100526.198	
110960.000	4.074	4.166	4.993	5.081	50153.936	98514.955			51554.230		100634.512	
110980.000	3.791	3.895	5.302	5.397	50232.588	98617.908			51634.838		100739.398	
111000.000	3.780	3.867	5.418	5.511	50308.296	98725.112			51712.460		100848.376	
111020.000	4.218	4.289	4.937	5.023	50388.272	98828.660			51794.026		100953.708	
111040.000	4.488	4.555	4.743	4.804	50475.330	98925.462			51882.470		101051.975	
111060.000	4.246	4.327	5.161	5.227	50562.667	99024.505			51971.286		101152.290	
111080.000	3.823	3.924	5.712	5.788	50643.359	99133.238			52053.790		101262.439	
111100.000	3.424	3.541	6.297	6.380	50715.836	99253.333			52128.441		101384.118	
111120.000	3.256	3.367	6.657	6.743	50782.643	99382.873			52197.521		101515.348	
111140.000	2.707	2.799	7.346	7.459	50842.277	99522.903			52259.180		101657.359	
111160.000	2.602	2.676	7.707	7.858	50895.365	99673.431			52313.931		101810.526	
111180.000	2.670	2.740	7.838	7.992	50948.086	99828.879			52368.093		101969.029	
111200.000	2.518	2.596	8.084	8.248	50999.971	99988.101			52421.462		102131.428	
111220.000	2.398	2.471	8.248	8.437	51049.135	100151.419			52472.131		102298.272	
111240.000	2.087	2.162	7.727	7.836	51093.987	100311.172			52518.454		102461.002	
111260.000	2.225	2.295	7.506	7.592	51137.107	100463.500			52563.016		102615.285	
111280.000	1.716	1.785	8.204	8.323	51176.517	100620.593			52603.816		102774.432	
111300.000	1.866	1.921	8.050	8.162	51212.334	100783.127			52640.882		102939.276	
111320.000	1.946	2.003	8.049	8.163	51250.452	100944.116			52680.128		103102.524	
111340.000	2.013	2.086	8.056	8.179	51290.039	101105.171			52721.025		103265.944	
111360.000	1.887	1.958	8.123	8.247	51329.038	101266.965			52761.464		103430.206	
111380.000	2.090	2.177	7.715	7.824	51368.807	101425.350			52802.810		103590.925	
111400.000	2.260	2.362	7.428	7.525	51412.304	101576.786			52848.202		103744.424	
111420.000	2.471	2.585	7.073	7.159	51459.616	101721.803			52897.675		103891.270	
111440.000	2.092	2.251	7.200	7.278	51505.248	101864.537			52946.034		104035.640	
111460.000	3.647	3.855	5.377	5.440	51562.640	101990.306			53007.087		104162.815	
111480.000	6.961	7.121	1.850	1.885	51668.717	102062.571			53116.843		104236.062	
111500.000	2.627	2.809	6.557	6.623	51764.596	102146.640			53216.149		104321.148	
111520.000	4.421	4.540	4.703	4.764	51835.076	102259.238			53289.647		104435.025	
111540.000	4.160	4.252	2.523	2.550	51920.885	102331.496			53377.567		104508.166	

111820.000	2.454	2.502	0.345	0.352	52968.057	102514.152	54450.420	104695.713
111840.000	2.518	2.565	0.388	0.397	53017.783	102521.479	54501.092	104703.205
111860.000	3.868	3.914	0.479	0.488	53081.640	102530.149	54565.880	104712.055
111880.000	10.631	10.680	0.676	0.688	53226.626	102541.701	54711.824	104723.818
111900.000	10.407	10.466	0.889	0.902	53437.009	102557.349	54923.291	104739.715
111920.000	10.497	10.562	0.998	1.010	53646.048	102576.222	55133.570	104758.826
111940.000	10.541	10.606	1.235	1.248	53856.422	102598.558	55345.251	104781.402
111960.000	10.375	10.445	1.448	1.464	54065.576	102625.386	55555.763	104808.522
111980.000	9.775	9.857	2.002	2.025	54267.077	102659.883	55758.775	104843.413
112000.000	9.887	9.977	2.204	2.231	54463.702	102701.948	55957.107	104885.976
112020.000	9.429	9.538	2.596	2.621	54656.864	102749.956	56152.253	104934.501
112040.000	8.733	9.045	3.210	3.244	54838.482	102808.022	56338.081	104993.152
112060.000	9.257	9.569	2.865	2.905	55018.377	102868.773	56524.215	105054.637
112080.000	8.697	8.748	2.668	2.707	55197.917	102924.107	56707.382	105110.756
112100.000	1.526	1.570	2.271	2.307	55300.151	102973.497	56810.568	105160.895
112120.000	2.688	2.724	1.041	1.054	55342.296	103006.616	56853.511	105194.501
112140.000	5.150	5.162	0.000	0.000	55420.680	103017.030	56932.367	105205.037
112160.000	5.620	5.640	0.000	0.000	55528.383	103017.030	57040.381	105205.037
112180.000	5.768	5.794	0.000	0.000	55642.266	103017.030	57154.719	105205.037
112200.000	6.265	6.283	0.000	0.000	55762.594	103017.030	57275.487	105205.037
112220.000	6.062	6.075	0.000	0.000	55885.866	103017.030	57399.069	105205.037
112240.000	6.085	6.104	0.000	0.000	56007.344	103017.030	57520.858	105205.037
112260.000	5.946	5.971	0.000	0.000	56127.656	103017.031	57641.603	105205.038
112280.000	4.529	4.608	0.773	0.779	56232.405	103024.761	57747.395	105212.827

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * D E S B R O C E S * * *									

PK inicial		:		97500.000					
PK final		:		119197.092					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.									
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----	-----	-----
112300.000	4.513	4.586	1.814	1.861	56322.821	103050.634	57839.334	105239.226	
112320.000	2.703	2.791	4.355	4.453	56394.977	103112.330	57913.095	105302.367	
112340.000	2.813	2.870	5.021	5.093	56450.136	103206.094	57969.698	105397.831	
112360.000	3.428	3.483	5.036	5.109	56512.545	103306.664	58033.230	105499.848	
112380.000	3.801	3.868	5.012	5.095	56584.834	103407.146	58106.742	105601.879	
112400.000	3.011	3.081	5.977	6.079	56652.946	103517.040	58176.231	105713.614	
112420.000	3.614	3.695	5.160	5.274	56719.188	103628.407	58243.991	105827.146	
112440.000	6.441	6.551	3.414	3.481	56819.733	103714.142	58346.447	105914.698	
112460.000	5.541	5.717	4.451	4.638	56939.549	103792.787	58469.125	105995.891	
112480.000	5.259	5.462	4.483	4.675	57047.547	103882.118	58580.919	106089.022	
112500.000	5.043	5.213	4.308	4.473	57150.566	103970.028	58687.675	106180.497	
112520.000	5.233	5.428	4.263	4.412	57253.327	104055.744	58794.089	106269.343	
112540.000	6.062	6.301	4.341	4.443	57366.278	104141.784	58911.382	106357.894	
112560.000	6.067	6.328	4.606	4.687	57487.569	104231.253	59037.673	106449.195	
112580.000	5.636	5.802	5.171	5.276	57604.604	104329.026	59158.967	106548.820	
112600.000	5.767	5.928	5.091	5.184	57718.639	104431.648	59276.265	106653.420	
112620.000	5.961	6.078	4.875	4.948	57835.923	104531.309	59396.332	106754.739	
112640.000	6.305	6.434	4.625	4.692	57958.586	104626.311	59521.454	106851.140	
112660.000	6.915	7.060	4.015	4.068	58090.788	104712.709	59656.391	106938.741	
112680.000	8.159	8.348	2.870	2.913	58241.533	104781.558	59810.470	107008.550	
112700.000	9.716	9.954	1.322	1.348	58420.290	104823.483	59993.495	107051.162	
112720.000	9.476	9.741	1.585	1.643	58612.213	104852.556	60190.452	107081.069	
112740.000	9.922	10.284	1.395	1.477	58806.195	104882.357	60390.704	107112.261	
112760.000	10.344	10.732	1.113	1.187	59008.857	104907.436	60600.861	107138.898	
112780.000	10.982	11.459	0.811	0.869	59222.116	104926.677	60822.771	107159.454	
112800.000	11.515	12.170	0.612	0.658	59447.089	104940.905	61059.057	107174.723	
112820.000	12.176	12.893	0.053	0.056	59683.996	104947.552	61309.686	107181.868	
112840.000	12.277	12.980	0.000	0.000	59928.521	104948.083	61568.417	107182.432	
112860.000	12.009	12.692	0.000	0.000	60171.381	104948.083	61825.139	107182.432	
112880.000	11.932	12.705	0.000	0.000	60410.789	104948.083	62079.109	107182.432	
112900.000	11.963	12.836	0.000	0.000	60649.741	104948.083	62334.511	107182.432	
112920.000	11.328	11.788	0.000	0.000	60882.653	104948.083	62580.747	107182.432	
112940.000	11.592	12.191	0.000	0.000	61111.849	104948.083	62820.540	107182.432	
112960.000	11.396	11.916	0.000	0.000	61341.723	104948.083	63061.615	107182.432	
112980.000	11.784	11.815	0.000	0.000	61573.514	104948.083	63298.931	107182.432	
113000.000	11.585	11.618	0.000	0.000	61807.194	104948.083	63533.261	107182.432	
113020.000	12.105	12.212	0.000	0.000	62044.086	104948.083	63771.554	107182.432	

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * *				D E S B R O C E S		* * *			

PK inicial		:		97500.000					
PK final		:		119197.092					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	PLANTA--	--REAL--	PLANTA--	--REAL--			DESMONTE	TERRAPLEN	
113040.000	11.908	12.036	0.000	0.000	62284.217	104948.083	64014.037	107182.432	
113060.000	12.153	12.454	0.000	0.000	62524.827	104948.083	64258.941	107182.432	
113080.000	11.976	12.218	0.000	0.000	62766.116	104948.083	64505.657	107182.432	
113100.000	12.549	13.010	0.000	0.000	63011.372	104948.083	64757.931	107182.432	
113120.000	13.133	13.778	0.000	0.000	63268.193	104948.083	65025.805	107182.432	
113140.000	13.056	13.815	0.000	0.000	63530.077	104948.083	65301.733	107182.432	
113160.000	12.431	13.152	0.000	0.000	63784.942	104948.083	65571.406	107182.432	
113180.000	11.192	11.877	0.960	0.971	64021.173	104957.680	65821.697	107192.137	
113200.000	8.694	9.189	3.326	3.417	64220.035	105000.538	66032.359	107236.015	
113220.000	2.380	2.449	1.794	1.798	64330.778	105051.743	66148.742	107288.168	
113240.000	1.882	1.924	0.777	0.795	64373.402	105077.460	66192.471	107314.095	

pagina 21

113260.000	0.613	0.619	2.240	2.260	64398.355	105107.636	66217.899	107344.642
113280.000	5.445	5.497	2.380	2.428	64458.937	105153.839	66279.051	107391.522
113300.000	1.726	1.745	6.405	6.465	64530.652	105241.684	66351.464	107480.452
113320.000	0.447	0.460	8.218	8.326	64552.388	105387.915	66373.514	107628.360
113340.000	0.115	0.120	8.647	8.790	64558.009	105556.567	66379.313	107799.512
113360.000	0.000	0.000	8.859	9.007	64559.160	105731.627	66380.509	107977.476
113380.000	0.000	0.000	8.930	9.034	64559.160	105909.519	66380.509	108157.885
113400.000	0.203	0.210	8.930	9.049	64561.188	106088.120	66382.613	108338.719
113420.000	0.000	0.000	8.819	8.869	64563.216	106265.614	66384.717	108517.903
113440.000	0.000	0.000	8.536	8.573	64563.216	106439.169	66384.717	108692.325
113460.000	0.172	0.202	8.727	8.859	64564.934	106611.804	66386.741	108866.646
113480.000	0.301	0.326	8.146	8.196	64569.665	106780.539	66392.026	109037.201
113500.000	0.000	0.000	8.970	9.006	64572.679	106951.699	66395.286	109209.222
113520.000	0.000	0.000	8.625	8.652	64572.679	107127.644	66395.286	109385.802
113540.000	0.000	0.000	8.489	8.523	64572.679	107298.784	66395.286	109557.560
113560.000	0.000	0.000	8.445	8.475	64572.679	107468.125	66395.286	109727.545
113580.000	0.211	0.219	8.161	8.195	64574.785	107634.188	66397.476	109894.243
113600.000	0.000	0.000	8.599	8.613	64576.891	107801.794	66399.665	110062.319
113620.000	1.553	1.553	7.175	7.180	64592.417	107959.539	66415.192	110220.253
113640.000	0.160	0.160	8.239	8.248	64609.548	108113.663	66432.324	110374.541
113660.000	0.000	0.000	2.191	2.192	64611.153	108217.972	66433.929	110478.944
113680.000	0.000	0.000	2.790	2.791	64611.153	108267.787	66433.929	110528.769
113700.000	0.000	0.000	3.267	3.267	64611.153	108328.355	66433.929	110589.344
113720.000	0.000	0.000	3.876	3.900	64611.153	108399.777	66433.929	110661.010
113740.000	0.000	0.000	4.021	4.057	64611.153	108478.783	66433.929	110740.574
113760.000	0.000	0.000	4.512	4.568	64611.153	108564.078	66433.929	110826.821

114700.000	1.959	2.325	6.279	6.525	69362.141	112152.665	71335.436	114615.986
114720.000	2.611	3.190	5.998	6.369	69407.835	112275.435	71390.585	114744.929
114740.000	2.965	3.567	5.393	5.562	69463.595	112389.342	71458.149	114864.242
114760.000	3.473	4.151	5.182	5.472	69527.978	112495.090	71535.325	114974.580
114780.000	3.855	4.560	5.128	5.273	69601.253	112598.189	71622.435	115082.025
114800.000	3.248	3.869	4.876	4.994	69672.285	112698.229	71706.721	115184.699
114820.000	3.006	3.602	5.144	5.200	69734.828	112798.429	71781.432	115286.644
114840.000	2.553	2.977	5.425	5.517	69790.415	112904.114	71847.222	115393.820
114860.000	2.392	2.763	5.544	5.659	69839.864	113013.797	71904.613	115505.588
114880.000	2.474	2.892	5.434	5.599	69888.525	113123.574	71961.163	115618.171
114900.000	3.295	3.676	5.868	6.042	69946.215	113236.592	72026.851	115734.576
114920.000	4.019	4.372	5.984	6.056	70019.349	113355.111	72107.339	115855.557
114940.000	3.631	3.962	7.310	7.409	70095.845	113488.055	72190.680	115990.207
114960.000	1.137	1.160	8.586	8.790	70143.525	113647.016	72241.896	116152.191
114980.000	2.544	2.580	6.981	7.093	70180.337	113802.688	72279.292	116311.017
115000.000	3.956	3.972	5.555	5.775	70245.335	113928.051	72344.813	116439.691
115020.000	0.302	0.306	9.497	9.770	70287.910	114078.565	72387.599	116595.138
115040.000	1.085	1.121	9.045	9.218	70301.776	114263.984	72401.870	116785.013
115060.000	3.013	3.040	6.990	7.049	70342.757	114424.339	72443.482	116947.678
115080.000	2.111	2.164	8.251	8.504	70393.996	114576.749	72495.523	117103.208
115100.000	1.838	1.898	8.525	8.871	70433.481	114744.513	72536.135	117276.957
115120.000	1.353	1.405	8.916	9.181	70465.392	114918.929	72569.161	117457.469
115140.000	1.256	1.290	9.298	9.412	70491.486	115101.071	72596.105	117643.398
115160.000	1.355	1.413	8.746	8.888	70517.602	115281.509	72623.127	117826.399
115180.000	3.784	3.827	5.764	6.190	70569.001	115426.606	72675.523	117977.182
115200.000	2.005	2.049	8.321	8.517	70626.898	115567.458	72734.279	118124.259
115220.000	1.303	1.358	9.087	9.367	70659.983	115741.540	72768.345	118303.099
115240.000	1.982	2.034	8.167	8.395	70692.835	115914.080	72802.266	118480.712

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * * D E S B R O C E S * * *									

PK inicial		:		97500.000					
PK final		:		119197.092					
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL					
P.K.									
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----			
115260.000	1.841	1.873	7.984	8.150	70731.063	116075.593	72841.339	118646.162	
115280.000	3.013	3.034	6.358	6.408	70779.601	116219.017	72890.415	118791.749	
115300.000	6.454	6.462	5.802	5.835	70874.272	116340.619	72985.377	118914.185	
115320.000	10.820	10.825	1.699	1.717	71047.010	116415.633	73158.245	118989.708	
115340.000	11.512	11.556	1.036	1.046	71270.324	116442.985	73382.054	119017.346	
115360.000	11.912	12.765	1.601	1.645	71504.561	116469.351	73625.262	119044.263	
115380.000	9.739	10.092	2.672	2.760	71721.066	116512.083	73853.828	119088.317	
115400.000	6.494	6.705	5.117	5.228	71883.390	116589.975	74021.794	119168.201	
115420.000	6.311	6.656	5.499	5.657	72011.439	116696.137	74155.408	119277.049	
115440.000	6.729	7.369	6.058	6.275	72141.837	116811.712	74295.661	119396.365	
115460.000	7.468	8.271	5.481	5.670	72283.803	116927.107	74452.059	119515.819	
115480.000	9.459	10.575	4.570	4.752	72453.070	117027.617	74640.517	119620.039	
115500.000	9.263	10.397	4.861	5.059	72640.290	117121.922	74850.235	119718.141	
115520.000	8.400	9.335	4.829	5.089	72816.919	117218.822	75047.555	119819.617	
115540.000	8.850	9.606	3.495	3.706	72989.419	117302.069	75236.969	119907.564	
115560.000	6.916	7.321	4.584	4.776	73147.087	117382.859	75406.236	119992.383	
115580.000	9.890	10.372	1.792	1.836	73315.150	117446.615	75583.160	120058.508	
115600.000	10.498	11.436	2.668	2.723	73519.024	117491.215	75801.239	120104.101	
115620.000	10.579	11.824	3.340	3.390	73729.792	117551.296	76033.844	120165.228	
115640.000	10.020	10.981	3.224	3.283	73935.780	117616.934	76261.894	120231.955	
115660.000	9.611	10.340	2.911	2.982	74132.091	117678.285	76475.096	120294.607	
115680.000	8.643	9.309	3.299	3.373	74314.635	117740.389	76671.586	120358.156	
115700.000	8.726	9.393	3.394	3.470	74488.324	117807.325	76858.614	120426.585	
115720.000	12.012	12.849	0.799	0.820	74695.707	117849.262	77081.033	120469.491	
115740.000	12.142	12.620	0.000	0.000	74937.252	117857.255	77335.719	120477.692	
115760.000	11.454	11.826	0.000	0.000	75173.213	117857.255	77580.176	120477.692	
115780.000	11.137	11.393	0.000	0.000	75399.121	117857.255	77812.368	120477.692	
115800.000	11.068	11.283	0.000	0.000	75621.170	117857.255	78039.129	120477.692	
115820.000	11.184	11.402	0.000	0.000	75843.693	117857.255	78265.978	120477.692	
115840.000	10.933	11.059	0.000	0.000	76064.861	117857.255	78490.588	120477.692	
115860.000	10.726	10.866	0.000	0.000	76281.446	117857.255	78709.835	120477.692	
115880.000	10.609	10.741	0.000	0.001	76494.797	117857.260	78925.901	120477.697	
115900.000	9.298	9.408	1.256	1.299	76693.866	117869.825	79127.388	120490.693	
115920.000	7.659	7.769	1.817	1.869	76863.434	117900.560	79299.157	120522.374	
115940.000	7.647	7.734	1.792	1.827	77016.495	117936.652	79454.184	120559.332	
115960.000	7.978	8.064	1.854	1.876	77172.741	117973.110	79612.170	120596.362	
115980.000	8.103	8.292	2.761	2.801	77333.547	118019.259	79775.734	120643.138	

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.

* * *				D E S B R O C E S				* * *	

PK inicial		:		97500.000					
PK final		:		119197.092					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	
116000.000	8.476	8.743	2.670	2.722	77499.334	118073.568	79946.086	120698.367	
116020.000	8.190	8.513	3.258	3.362	77665.991	118132.852	80118.651	120759.203	
116040.000	6.929	7.288	4.582	4.793	77817.185	118211.251	80276.661	120840.759	
116060.000	7.086	7.428	4.441	4.627	77957.344	118301.478	80423.815	120934.959	
116080.000	7.275	7.597	4.237	4.393	78100.953	118388.262	80574.059	121025.157	
116100.000	7.242	7.522	4.200	4.361	78246.123	118472.637	80725.250	121112.696	
116120.000	7.332	7.576	4.047	4.212	78391.864	118555.108	80876.232	121198.417	

pagina 25

116140.000	7.295	7.548	4.084	4.246	78538.126	118636.416	81027.472	121282.996
116160.000	7.518	7.799	3.906	4.067	78686.246	118716.313	81180.940	121366.126
116180.000	7.661	7.946	3.710	3.861	78838.028	118792.468	81338.389	121445.399
116200.000	7.321	7.639	4.017	4.212	78987.845	118869.737	81494.244	121526.129
116220.000	7.737	8.020	3.629	3.810	79138.426	118946.197	81650.839	121606.355
116240.000	4.707	4.789	3.748	3.871	79262.863	119019.970	81778.932	121683.166
116260.000	8.060	8.267	3.181	3.275	79390.531	119089.267	81909.494	121754.623
116280.000	7.899	8.121	3.335	3.412	79550.126	119154.433	82073.375	121821.494
116300.000	4.206	4.288	4.179	4.243	79671.178	119229.571	82197.468	121898.048
116320.000	4.631	4.709	3.690	3.884	79759.551	119308.254	82287.435	121979.323
116340.000	3.358	3.447	5.166	5.390	79839.446	119396.814	82368.994	122072.064
116360.000	3.829	3.920	4.673	4.908	79911.311	119495.209	82442.671	122175.040
116380.000	3.292	3.380	5.211	5.448	79982.515	119594.053	82515.675	122278.601
116400.000	3.296	3.377	5.128	5.327	80048.390	119697.444	82583.245	122386.349
116420.000	3.581	3.660	4.769	4.932	80117.159	119796.413	82653.620	122488.933
116440.000	3.417	3.486	4.932	5.055	80187.137	119893.422	82725.085	122588.806
116460.000	3.145	3.212	5.117	5.243	80252.757	119993.911	82792.065	122691.785
116480.000	3.140	3.203	5.117	5.243	80315.608	120096.253	82856.212	122796.640
116500.000	3.600	3.677	4.348	4.428	80383.103	120190.902	82925.004	122893.348
116520.000	3.716	3.891	4.135	4.259	80456.358	120275.729	83000.676	122980.217
116540.000	2.782	2.862	4.952	5.034	80521.334	120366.595	83068.203	123073.147
116560.000	2.287	2.359	5.344	5.427	80572.028	120469.546	83120.414	123177.762
116580.000	1.761	1.862	5.755	5.835	80612.513	120580.534	83162.622	123290.790
116600.000	1.892	1.970	5.426	5.496	80649.400	120692.343	83200.937	123403.701
116620.000	2.117	2.161	5.089	5.161	80689.123	120797.489	83242.243	123510.273
116640.000	1.961	2.009	5.245	5.324	80729.901	120900.830	83283.943	123615.127
116660.000	1.730	1.795	5.456	5.536	80766.815	121007.843	83321.988	123723.722
116680.000	2.009	2.072	5.143	5.241	80804.207	121113.836	83360.665	123831.483
116700.000	1.929	1.983	5.299	5.421	80843.589	121218.256	83401.213	123938.102
116720.000	1.948	1.999	5.059	5.184	80882.358	121321.838	83441.032	124044.155

117580.000	13.233	13.319	0.000	0.000	84336.323	124196.672	86942.407	126974.928
117600.000	13.429	13.545	0.000	0.000	84602.947	124196.672	87211.051	126974.928
117620.000	12.707	12.924	0.000	0.000	84864.307	124196.672	87475.746	126974.928
117640.000	12.092	12.585	0.000	0.000	85112.295	124196.672	87730.844	126974.928
117660.000	11.657	11.833	0.000	0.000	85349.789	124196.672	87975.031	126974.928
117680.000	10.515	10.679	0.000	0.000	85571.514	124196.672	88200.158	126974.928
117700.000	8.763	8.930	0.000	0.000	85764.294	124196.672	88396.252	126974.928
117720.000	5.803	5.866	0.000	0.000	85909.955	124196.672	88544.212	126974.928
117740.000	3.620	3.650	0.000	0.000	86004.188	124196.672	88639.370	126974.928
117760.000	8.595	9.162	1.126	1.146	86126.336	124207.927	88767.492	126986.383
117780.000	8.670	9.252	3.551	3.662	86298.988	124254.689	88951.633	127034.464
117800.000	10.232	10.834	4.650	4.848	86488.015	124336.696	89152.487	127119.565
117820.000	14.734	15.355	4.169	4.357	86737.677	124424.883	89414.376	127211.612
117840.000	21.444	22.312	4.475	4.620	87099.459	124511.318	89791.044	127301.386
117860.000	21.769	22.607	4.294	4.401	87531.585	124599.005	90240.231	127391.600
117880.000	25.509	26.318	0.812	0.824	88004.360	124650.068	90729.480	127443.850
117900.000	26.345	27.249	0.000	0.000	88522.902	124658.191	91265.145	127452.092
117920.000	25.385	26.248	0.887	0.921	89040.200	124667.060	91800.107	127461.302
117940.000	25.382	26.246	0.845	0.872	89547.861	124684.381	92325.046	127479.235
117960.000	25.794	26.596	0.000	0.000	90059.612	124692.832	92853.468	127487.956
117980.000	25.885	26.345	0.000	0.000	90576.403	124692.832	93382.878	127487.956
118000.000	28.394	28.606	0.000	0.000	91119.198	124692.832	93932.390	127487.956
118020.000	25.670	26.430	0.000	0.000	91659.840	124692.832	94482.754	127487.956
118040.000	27.406	27.411	0.000	0.000	92190.604	124692.832	95021.166	127487.956
118060.000	27.398	27.404	0.000	0.000	92738.649	124692.832	95569.318	127487.956
118080.000	27.508	27.543	0.000	0.000	93287.711	124692.832	96118.790	127487.956
118100.000	27.960	28.009	0.000	0.000	93842.388	124692.832	96674.314	127487.956
118120.000	28.878	29.112	0.000	0.000	94410.766	124692.832	97245.529	127487.956
118140.000	19.253	19.535	0.000	0.000	94892.072	124692.832	97732.002	127487.956
118160.000	19.253	19.596	0.000	0.000	95277.131	124692.832	98123.311	127487.956
118180.000	19.262	19.655	0.000	0.000	95662.287	124692.832	98515.821	127487.956
118200.000	19.272	22.909	0.000	0.000	96047.626	124692.832	98941.461	127487.956

Istram 18.05.05.29 17/07/18 18:03:28 459

pagina 29

PROYECTO : EJE: 1: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Dch.									
***** * * * D E S B R O C E S * * * *****									
PK inicial		:		97500.000					
PK final		:		119197.092					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	-PLANTA-	--REAL--	-PLANTA-	--REAL--			DESMONTE	TERRAPLEN	
118220.000	42.689	46.068	0.000	0.000	96667.234	124692.832	99631.230	127487.956	
118240.000	47.282	48.017	0.000	0.000	97566.948	124692.832	100572.086	127487.956	
118260.000	48.006	48.669	0.000	0.000	98519.825	124692.832	101538.946	127487.956	
118280.000	48.431	49.159	0.000	0.000	99484.192	124692.832	102517.217	127487.956	
118300.000	47.674	48.059	0.000	0.000	100445.249	124692.832	103489.397	127487.956	
118320.000	48.085	48.196	0.000	0.000	101402.848	124692.832	104451.954	127487.956	
118340.000	48.239	48.285	0.000	0.000	102366.095	124692.832	105416.770	127487.956	
118360.000	47.689	47.757	0.000	0.000	103325.379	124692.832	106377.196	127487.956	
118380.000	45.645	46.118	0.000	0.000	104258.724	124692.832	107315.945	127487.956	
118400.000	36.212	36.572	0.000	0.000	105077.295	124692.832	108142.845	127487.956	
118420.000	13.143	13.390	11.792	12.183	105570.839	124810.753	108642.462	127609.783	
118440.000	0.000	0.000	24.649	24.650	105702.265	125175.163	108776.357	127978.111	
118460.000	0.000	0.000	26.876	26.885	105702.265	125690.413	108776.357	128493.465	
118480.000	0.000	0.000	28.408	28.409	105702.265	126243.251	108776.357	129046.403	
118500.000	0.000	0.000	29.051	29.065	105702.265	126817.836	108776.357	129621.135	
118520.000	0.000	0.000	29.675	29.989	105702.265	127405.092	108776.357	130211.671	
118540.000	0.000	0.000	30.436	30.465	105702.265	128006.199	108776.357	130816.213	
118560.000	0.000	0.000	30.151	30.592	105702.265	128612.067	108776.357	131426.783	
118580.000	0.000	0.000	30.814	31.726	105702.265	129221.715	108776.357	132049.955	
118600.000	0.000	0.000	30.607	31.764	105702.265	129835.921	108776.357	132684.853	
118620.000	0.000	0.000	31.829	33.527	105702.265	130460.276	108776.357	133337.763	
118640.000	0.000	0.000	31.142	32.825	105702.265	131089.980	108776.357	134001.284	
118660.000	0.274	0.299	32.270	34.250	105705.006	131724.099	108779.347	134672.034	
118680.000	2.757	2.777	27.230	28.034	105735.319	132319.100	108810.105	135294.869	
118700.000	3.248	3.282	24.245	25.712	105795.375	132833.851	108870.698	135832.326	
118720.000	2.895	3.000	23.248	24.593	105856.809	133308.778	108933.519	136335.377	
118740.000	2.605	2.717	21.400	22.566	105911.805	133755.260	108990.688	136806.970	
118760.000	2.283	2.373	24.148	25.272	105960.686	134210.747	109041.594	137285.351	
118780.000	2.822	2.880	21.321	22.220	106011.740	134665.435	109094.126	137760.276	
118800.000	2.873	2.948	19.138	19.725	106068.693	135070.023	109152.408	138179.727	
118820.000	2.548	2.657	16.703	17.012	106122.906	135428.435	109208.462	138547.096	
118840.000	2.453	2.516	13.865	13.914	106172.917	135734.120	109260.195	138856.352	
118860.000	8.691	8.723	5.584	5.588	106284.356	135928.617	109372.585	139051.369	
118880.000	12.893	13.034	1.993	2.068	106500.199	136004.388	109590.151	139127.929	
118900.000	13.438	13.688	2.765	2.824	106763.513	136051.969	109857.368	139176.846	
118920.000	10.279	10.405	2.472	2.597	107000.687	136104.344	110098.300	139231.055	
118940.000	11.258	11.522	4.339	4.491	107216.059	136172.458	110317.569	139301.936	

Istram 18.05.05.29 17/07/18 18:03:28 459

pagina 30

PROYECTO :									
EJE: 1: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Dch.									

* * * D E S B R O C E S * * *									

PK inicial		:		97500.000					
PK final		:		119197.092					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	DESMONTE	TERRAPLEN	-----	
118960.000	12.741	13.042	2.956	3.201	107456.043	136245.414	110563.208	139378.860	
118980.000	14.870	15.245	1.096	1.129	107732.150	136285.933	110846.085	139422.160	
119000.000	15.041	15.517	0.812	0.827	108031.261	136305.011	111153.709	139441.712	

119020.000	12.751	13.103	0.780	0.801	108309.180	136320.929	111439.909	139457.987
119040.000	12.170	12.405	1.436	1.472	108558.390	136343.089	111694.990	139480.717
119060.000	8.330	8.494	3.305	3.348	108763.391	136390.507	111903.979	139528.923
119080.000	4.605	4.669	5.218	5.254	108892.743	136475.742	112035.609	139614.947
119100.000	4.844	4.914	5.000	5.104	108987.239	136577.927	112131.435	139718.529
119120.000	3.816	3.863	6.125	6.242	109073.844	136689.179	112219.202	139831.986
119140.000	3.427	3.465	7.050	7.165	109146.275	136820.928	112292.486	139966.053
119160.000	3.425	3.467	7.890	8.119	109214.800	136970.327	112361.808	140118.895
119180.000	3.615	3.654	8.382	8.870	109285.202	137133.045	112433.020	140288.786
119197.092	3.005	3.029	7.086	7.383	109341.774	137265.232	112490.135	140427.681

Istram 18.05.05.29 17/07/18 18:03:28 459

pagina 1

PROYECTO :												
EJE: 2: Autov ^{ea} de Castilla A-62: Due ^{ña} s-Cigales Izq.												

* * * D E S B R O C E S * * *												

PK inicial		:		97500.000								
PK final		:		119196.472								
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL								
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA-	REAL--	PLANTA-	REAL--								
97500.000	0.000	0.000	10.561	10.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97520.000	0.000	0.000	10.466	10.537	0.000	210.272	0.000	211.800	0.000	211.800	0.000	211.800
97540.000	0.000	0.000	10.542	10.621	0.000	420.357	0.000	423.387	0.000	423.387	0.000	423.387
97560.000	0.000	0.000	10.601	10.690	0.000	631.791	0.000	636.504	0.000	636.504	0.000	636.504
97580.000	0.000	0.000	10.615	10.724	0.000	843.955	0.000	850.642	0.000	850.642	0.000	850.642
97600.000	0.000	0.000	10.637	10.754	0.000	1056.479	0.000	1065.420	0.000	1065.420	0.000	1065.420
97620.000	0.000	0.000	10.731	10.847	0.000	1270.163	0.000	1281.436	0.000	1281.436	0.000	1281.436
97640.000	0.000	0.000	10.882	10.988	0.000	1486.294	0.000	1499.790	0.000	1499.790	0.000	1499.790
97660.000	0.000	0.000	10.994	11.094	0.000	1705.053	0.000	1720.611	0.000	1720.611	0.000	1720.611
97680.000	0.000	0.000	10.938	11.080	0.000	1924.371	0.000	1942.350	0.000	1942.350	0.000	1942.350
97700.000	0.000	0.000	10.889	11.036	0.000	2142.633	0.000	2163.503	0.000	2163.503	0.000	2163.503
97720.000	0.000	0.000	11.010	11.142	0.000	2361.616	0.000	2385.281	0.000	2385.281	0.000	2385.281
97740.000	0.000	0.000	11.087	11.197	0.000	2582.588	0.000	2608.670	0.000	2608.670	0.000	2608.670
97760.000	0.000	0.000	11.087	11.173	0.000	2804.336	0.000	2832.371	0.000	2832.371	0.000	2832.371
97780.000	0.000	0.000	11.072	11.170	0.000	3025.928	0.000	3055.806	0.000	3055.806	0.000	3055.806
97800.000	0.000	0.000	11.111	11.214	0.000	3247.758	0.000	3279.651	0.000	3279.651	0.000	3279.651
97820.000	0.000	0.000	11.182	11.273	0.000	3470.687	0.000	3504.523	0.000	3504.523	0.000	3504.523
97840.000	0.000	0.000	11.137	11.237	0.000	3693.879	0.000	3729.627	0.000	3729.627	0.000	3729.627
97860.000	0.000	0.000	11.202	11.295	0.000	3917.275	0.000	3954.946	0.000	3954.946	0.000	3954.946
97880.000	0.000	0.000	11.189	11.239	0.000	4141.192	0.000	4180.286	0.000	4180.286	0.000	4180.286
97900.000	0.000	0.000	11.156	11.192	0.000	4364.646	0.000	4404.594	0.000	4404.594	0.000	4404.594
97920.000	0.000	0.000	11.145	11.178	0.000	4587.653	0.000	4628.289	0.000	4628.289	0.000	4628.289
97940.000	0.000	0.000	11.124	11.159	0.000	4810.336	0.000	4851.653	0.000	4851.653	0.000	4851.653
97960.000	0.000	0.000	11.075	11.109	0.000	5032.319	0.000	5074.329	0.000	5074.329	0.000	5074.329
97980.000	0.000	0.000	11.043	11.079	0.000	5253.497	0.000	5296.214	0.000	5296.214	0.000	5296.214
98000.000	0.000	0.000	10.935	10.974	0.000	5473.275	0.000	5516.748	0.000	5516.748	0.000	5516.748
98020.000	0.000	0.000	11.182	11.222	0.000	5694.444	0.000	5738.708	0.000	5738.708	0.000	5738.708
98040.000	0.000	0.000	11.701	11.741	0.000	5923.272	0.000	5968.341	0.000	5968.341	0.000	5968.341
98060.000	0.000	0.000	12.164	12.219	0.000	6161.918	0.000	6207.940	0.000	6207.940	0.000	6207.940
98080.000	0.000	0.000	12.558	12.629	0.000	6409.140	0.000	6456.420	0.000	6456.420	0.000	6456.420
98100.000	0.000	0.000	13.014	13.085	0.000	6664.859	0.000	6713.569	0.000	6713.569	0.000	6713.569
98120.000	0.000	0.000	13.562	13.633	0.000	6930.615	0.000	6980.756	0.000	6980.756	0.000	6980.756
98140.000	0.299	0.299	13.671	13.742	2.985	7202.947	2.995	7254.514	2.995	7254.514	2.995	7254.514
98160.000	1.155	1.158	12.995	13.064	17.521	7469.612	17.566	7522.578	17.566	7522.578	17.566	7522.578
98180.000	1.901	1.904	12.162	12.237	48.077	7721.190	48.178	7775.584	48.178	7775.584	48.178	7775.584
98200.000	4.010	4.012	9.787	9.857	107.179	7940.682	107.335	7996.517	107.335	7996.517	107.335	7996.517
98220.000	2.755	2.755	11.052	11.111	174.826	8149.072	175.008	8206.195	175.008	8206.195	175.008	8206.195

1001440.000	0.000	0.000	11.480	11.727	7743.674	20644.891	7902.254	20931.458
100160.000	0.000	0.000	11.709	11.996	7743.674	20876.780	7902.254	21168.685
100180.000	0.000	0.000	11.983	12.267	7743.674	21113.700	7902.254	21411.313
100200.000	0.000	0.000	12.040	12.334	7743.674	21353.927	7902.254	21657.327
100220.000	0.000	0.000	12.091	12.437	7743.674	21595.238	7902.254	21905.036
100240.000	0.000	0.000	12.260	12.649	7743.674	21838.752	7902.254	22155.895
100260.000	0.000	0.000	12.283	12.680	7743.674	22084.180	7902.254	22409.190
100280.000	0.000	0.000	12.275	12.699	7743.674	22329.756	7902.254	22662.979
100300.000	0.000	0.000	12.380	12.731	7743.674	22576.307	7902.254	22917.276
100320.000	0.000	0.000	12.311	12.576	7743.674	22823.221	7902.254	23170.344
100340.000	0.000	0.000	12.402	12.577	7743.674	23070.347	7902.254	23421.870
100360.000	0.000	0.000	12.504	12.709	7743.674	23319.404	7902.254	23674.732
100380.000	0.000	0.000	12.645	12.805	7743.674	23570.894	7902.254	23929.880
100400.000	0.000	0.000	12.822	12.975	7743.674	23825.567	7902.254	24187.679
100420.000	0.000	0.000	13.092	13.266	7743.674	24084.712	7902.254	24450.088
100440.000	0.000	0.000	13.231	13.441	7743.674	24347.938	7902.254	24717.164

pagina 5

pagina 5

		D E S B R O C E S										
PK inicial		: 97500.000										
PK final		: 119196.472										
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--								
100460.000	0.000	0.000	12.998	13.196	7743.674	24610.220	7902.254	24983.530				
100480.000	0.000	0.000	12.649	12.874	7743.674	24866.683	7902.254	25244.229				
100500.000	0.000	0.000	12.587	12.800	7743.674	25119.037	7902.254	25500.967				
100520.000	0.000	0.000	12.466	12.713	7743.674	25369.570	7902.254	25756.097				
100540.000	0.000	0.000	12.418	12.689	7743.674	25618.416	7902.254	26010.121				
100560.000	0.000	0.000	12.349	12.617	7743.674	25866.087	7902.254	26263.181				
100580.000	0.000	0.000	12.329	12.615	7743.674	26112.872	7902.254	26515.494				
100600.000	0.000	0.000	12.346	12.634	7743.674	26359.627	7902.254	26767.984				
100620.000	0.153	0.163	12.239	12.502	7745.200	26605.473	7903.887	27019.346				
100640.000	0.458	0.483	11.897	12.113	7751.303	26846.825	7910.352	27265.496				
100660.000	1.180	1.218	11.135	11.318	7767.678	27077.142	7927.361	27499.812				
100680.000	4.856	4.870	5.350	5.381	7828.033	27241.197	7988.242	27666.806				
100700.000	3.826	3.847	6.059	6.115	7914.849	27356.091	8075.410	27781.769				
100720.000	3.776	3.800	5.820	5.898	7990.870	27474.880	8151.879	27901.904				
100740.000	4.313	4.356	7.568	7.690	8071.761	27608.760	8233.445	28037.787				
100760.000	7.397	7.463	4.123	4.168	8188.856	27725.673	8351.635	28156.370				
100780.000	9.067	9.159	3.974	4.023	8353.495	27806.648	8517.852	28238.284				
100800.000	8.252	8.357	5.156	5.224	8526.692	27897.951	8693.012	28330.758				
100820.000	7.710	7.833	6.004	6.099	8686.317	28009.555	8854.913	28443.992				
100840.000	8.734	8.900	5.760	5.845	8850.754	28127.196	9022.239	28563.433				
100860.000	9.167	9.220	4.751	4.814	9029.762	28232.303	9203.434	28670.014				
100880.000	3.152	3.258	10.093	10.192	9152.952	28380.741	9328.215	28820.074				
100900.000	2.694	2.816	11.001	11.162	9211.406	28591.680	9388.955	29033.621				
100920.000	2.672	2.803	11.158	11.319	9265.060	28813.275	9445.143	29258.432				
100940.000	2.735	2.878	10.999	11.133	9319.127	29034.844	9501.953	29482.950				
100960.000	2.753	2.896	10.801	10.943	9374.011	29252.840	9559.692	29703.707				
100980.000	2.734	2.880	10.806	10.960	9428.881	29468.910	9617.451	29922.729				
101000.000	2.601	2.747	10.738	10.867	9482.224	29684.352	9673.721	30140.995				
101020.000	2.192	2.306	11.186	11.302	9530.145	29903.592	9724.249	30362.682				
101040.000	1.852	1.969	11.477	11.629	9570.575	30130.216	9766.999	30591.989				
101060.000	0.496	0.565	9.779	9.871	9594.051	30342.773	9792.347	30806.995				
101080.000	0.590	0.656	10.980	11.108	9604.914	30550.358	9804.561	31016.790				
101100.000	0.191	0.214	12.686	12.867	9612.733	30787.014	9813.259	31256.541				
101120.000	0.299	0.338	14.127	14.353	9617.632	31055.143	9818.778	31528.742				
101140.000	1.170	1.222	15.235	15.448	9632.320	31348.760	9834.384	31826.757				
101160.000	2.597	2.760	14.502	14.809	9669.997	31646.131	9874.207	32129.330				
101180.000	4.463	4.938	13.017	13.159	9740.600	31921.322	9951.190	32409.000				

pagina 6

pagina 6

		D E S B R O C E S									
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN
		PLANTA	REAL	PLANTA	REAL						
101200.000	10.391	10.913	6.473	6.546	9889.134	32116.218	10109.701	32606.054			
101220.000	18.261	18.403	0.000	0.000	10175.655	32180.947	10402.862	32671.513			
101240.000	19.649	19.751	0.000	0.000	10554.756	32180.947	10784.403	32671.513			
101260.000	20.178	20.332	0.000	0.000	10953.024	32180.947	11858.230	32671.513			
101280.000	19.716	19.930	0.000	0.000	11351.966	32180.947	11587.845	32671.513			
101300.000	18.359	18.444	0.000	0.000	11732.719	32180.947	11971.583	32671.513			
101320.000	17.346	17.414	0.000	0.000	12089.771	32180.947	12330.167	32671.513			
101340.000	17.305	17.395	0.000	0.000	12436.278	32180.947	12678.256	32671.513			
101360.000	17.078	17.258	0.000	0.000	12780.105	32180.947	13024.783	32671.513			
101380.000	16.886	17.449	0.000	0.000	13119.740	32180.947	13371.852	32671.513			
101400.000	16.678	17.355	0.000	0.000	13455.375	32180.947	13719.888	32671.513			
101420.000	16.598	17.220	0.000	0.000	13788.131	32180.947	14065.636	32671.513			
101440.000	16.677	17.302	0.000	0.000	14120.881	32180.947	14410.858	32671.513			
101460.000	16.324	16.907	0.000	0.000	14450.895	32180.947	14752.949	32671.513			
101480.000	16.152	16.801	0.000	0.000	14775.659	32180.947	15090.929	32671.513			
101500.000	15.871	16.436	0.000	0.000	15095.895	32180.947	15422.404	32671.513			
101520.000	15.819	16.538	0.000	0.000	15412.801	32180.947	15752.146	32671.513			
101540.000	15.140	15.820	0.000	0.000	15722.396	32180.947	16075.725	32671.513			
101560.000	14.740	15.389	0.000	0.000	16021.200	32180.947	16387.820	32671.513			

101580.000	14.063	14.720	0.000	0.000	16309.236	32180.947	16688.917	32671.513
101600.000	13.745	14.348	0.000	0.000	16587.319	32180.947	16979.600	32671.513
101620.000	12.933	13.567	0.000	0.000	16854.102	32180.947	17258.746	32671.513
101640.000	12.507	13.108	0.000	0.000	17108.510	32180.947	17525.496	32671.513
101660.000	12.654	13.332	0.000	0.000	17360.122	32180.947	17789.897	32671.513
101680.000	11.450	11.993	0.000	0.000	17601.160	32180.947	18043.142	32671.513
101700.000	11.574	11.938	0.000	0.000	17831.398	32180.947	18282.452	32671.513
101720.000	11.445	11.829	0.000	0.000	18061.589	32180.947	18520.126	32671.513
101740.000	12.393	12.920	0.940	0.979	18299.969	32190.347	18767.621	32681.308
101760.000	10.832	11.473	0.878	0.916	18532.218	32208.531	19011.548	32700.260
101780.000	8.624	9.503	1.455	1.502	18726.776	32231.870	19221.306	32724.442
101800.000	8.057	8.954	1.949	2.017	18893.580	32265.910	19405.883	32759.632
101820.000	9.160	9.854	2.187	2.275	19065.749	32307.267	19593.965	32802.551
101840.000	10.448	10.970	2.168	2.218	19261.824	32350.821	19802.203	32847.485
101860.000	11.043	11.555	2.521	2.575	19476.734	32397.715	20027.456	32895.414
101880.000	11.345	11.671	2.605	2.702	19700.617	32448.973	20259.718	32948.183
101900.000	9.902	10.307	3.885	3.978	19913.091	32513.873	20479.499	33014.984
101920.000	9.614	9.938	3.961	4.028	20108.251	32592.333	20681.947	33095.043

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

			D E S B R O C E S				*****					

PK inicial		:	97500.000									
PK final		:	119196.472									
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL						
P.K.												
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----	-----	-----	
101940.000	9.143	9.475	4.464	4.577	20295.815	32676.581	20876.075	33181.089				
101960.000	9.366	9.658	3.809	3.862	20480.908	32759.316	21067.406	33265.476				
101980.000	8.202	8.520	3.750	3.804	20656.594	32834.910	21249.187	33342.134				
102000.000	6.781	7.083	3.551	3.597	20806.430	32907.921	21405.214	33416.140				
102020.000	5.013	5.336	3.456	3.515	20924.375	32977.991	21529.404	33487.255				
102040.000	13.129	13.332	1.283	1.321	21105.797	33025.385	21716.082	33535.612				
102060.000	10.385	10.541	0.247	0.255	21340.944	33040.690	21954.802	33551.373				
102080.000	10.444	10.552	0.000	0.000	21549.238	33043.160	22165.726	33553.924				
102100.000	10.897	11.013	0.000	0.000	21762.651	33043.160	22381.379	33553.924				
102120.000	11.144	11.337	0.000	0.000	21983.065	33043.160	22604.882	33553.924				
102140.000	11.090	11.206	0.000	0.000	22205.400	33043.160	22830.313	33553.924				
102160.000	11.063	11.166	0.000	0.000	22426.926	33043.160	23054.034	33553.924				
102180.000	10.920	11.019	0.000	0.000	22646.753	33043.160	23275.888	33553.924				
102200.000	10.594	10.672	0.000	0.000	22861.889	33043.160	23492.803	33553.924				
102220.000	10.175	10.406	0.000	0.000	23069.579	33043.160	23703.582	33553.924				
102240.000	9.563	9.660	0.000	0.000	23266.955	33043.160	23904.240	33553.924				
102260.000	9.510	9.580	0.000	0.000	23457.681	33043.160	24096.643	33553.924				
102280.000	9.447	9.480	0.000	0.000	23647.249	33043.160	24287.246	33553.924				
102300.000	9.255	9.323	0.000	0.000	23834.268	33043.160	24475.281	33553.924				
102320.000	10.815	10.881	0.000	0.000	24034.970	33043.160	24677.321	33553.924				
102340.000	11.697	11.750	0.000	0.000	24260.090	33043.160	24903.633	33553.924				
102360.000	11.548	11.639	0.000	0.000	24492.538	33043.160	25137.524	33553.924				
102380.000	10.285	10.341	0.000	0.000	24710.870	33043.160	25357.319	33553.924				
102400.000	9.543	9.564	0.000	0.000	24909.157	33043.160	25556.365	33553.924				
102420.000	11.129	11.150	0.000	0.000	25115.885	33043.160	25763.508	33553.924				
102440.000	12.369	12.375	0.000	0.000	25350.867	33043.160	25998.766	33553.924				
102460.000	16.908	17.000	0.000	0.000	25643.631	33043.160	26292.523	33553.924				
102480.000	17.455	17.483	0.000	0.000	25987.252	33043.160	26637.356	33553.924				
102500.000	16.507	16.509	0.000	0.000	26326.867	33043.160	26977.275	33553.924				
102520.000	15.171	15.291	1.402	1.407	26643.651	33057.176	27295.276	33567.992				
102540.000	7.523	7.570	10.151	10.198	26870.596	33172.701	27523.890	33684.039				
102560.000	4.956	4.966	12.997	13.013	26995.387	33404.182	27649.249	33916.148				
102580.000	0.000	0.000	9.413	9.462	27044.948	33628.282	27698.907	34140.896				
102600.000	0.000	0.000	11.111	11.173	27044.948	33833.523	27698.907	34347.247				
102620.000	0.000	0.000	13.754	13.965	27044.948	34082.180	27698.907	34598.626				
102640.000	0.000	0.000	18.856	19.017	27044.948	34408.286	27698.907	34928.442				
102660.000	0.000	0.000	19.527	19.720	27044.948	34792.119	27698.907	35315.812				

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

			D E S B R O C E S				* * *		

PK inicial		:	97500.000						
PK final		:	119196.472						
			ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.									
	DESMONTE		TERRAPLEN		TERRAPLEN		DESMONTE		TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
102680.000	0.000	0.000	19.645	19.820	27044.948	35183.838	27698.907	35711.210	
102700.000	0.000	0.000	19.202	19.336	27044.948	35572.308	27698.907	36102.765	
102720.000	0.000	0.000	18.509	18.592	27044.948	35949.417	27698.907	36482.046	
102740.000	0.000	0.000	17.706	17.855	27044.948	36311.563	27698.907	36846.522	
102760.000	0.000	0.000	16.597	16.782	27044.948	36654.588	27698.907	37192.892	
102780.000	0.000	0.000	14.739	14.840	27044.948	36967.945	27698.907	37509.115	
102800.000	0.000	0.000	13.549	13.573	27044.948	37250.822	27698.907	37793.250	
102820.000	0.000	0.000	11.824	11.847	27044.948	37504.544	27698.907	38047.451	
102840.000	0.000	0.000	10.352	10.404	27044.948	37726.305	27698.907	38269.965	
102860.000	0.007	0.007	8.797	8.827	27045.020	37917.800	27698.981	38462.279	
102880.000	0.000	0.000	8.538	8.589	27045.091	38091.151	27699.055	38636.436	
102900.000	0.000	0.000	9.079	9.243	27045.091	38267.316	27699.055	38814.747	
102920.000	0.000	0.000	9.242	9.438	27045.091	38450.520	27699.055	39001.555	
102940.000	0.000	0.000	8.261	8.560	27045.091	38625.553	27699.055	39181.533	
102960.000	0.000	0.000	9.015	9.166	27045.091	38798.319	27699.055	39358.794	
102980.000	0.799	0.813	7.787	7.925	27053.079	38966.345	27707.187	39529.710	
103000.000	2.960	3.051	5.451	5.614	27090.665	39098.734	27745.827	39665.104	

pagina 7

103020.000	2.391	2.428	5.535	5.684	27144.170	39208.602	27800.618	39778.091
103040.000	4.277	4.695	5.345	5.532	27210.844	39317.409	27871.854	39890.255
103060.000	6.021	6.429	5.189	5.502	27313.822	39422.757	27983.101	40000.597
103080.000	5.807	6.250	5.506	5.809	27432.106	39529.707	28109.889	40113.707
103100.000	6.584	7.056	5.168	5.423	27556.017	39636.438	28242.950	40226.021
103120.000	7.007	7.569	5.085	5.309	27691.927	39738.968	28389.206	40333.341
103140.000	7.491	8.091	4.707	4.921	27836.909	39836.894	28545.813	40435.643
103160.000	7.459	8.157	4.573	4.692	27986.410	39929.700	28708.297	40531.775
103180.000	7.933	8.679	4.223	4.320	28140.329	40017.660	28876.658	40621.902
103200.000	8.914	9.664	3.495	3.610	28308.790	40094.835	29060.087	40701.203
103220.000	8.618	9.429	3.637	3.826	28484.103	40166.159	29251.015	40775.561
103240.000	8.579	9.445	4.114	4.290	28656.067	40243.677	29439.758	40856.721
103260.000	8.998	9.965	3.724	3.838	28831.832	40322.065	29633.865	40937.995
103280.000	9.654	10.784	3.516	3.655	29018.351	40394.473	29841.353	41012.927
103300.000	10.304	11.076	2.981	3.106	29217.932	40459.446	30059.951	41080.536
103320.000	10.883	11.710	2.447	2.552	29429.807	40513.723	30287.809	41137.107
103340.000	11.700	12.542	1.644	1.721	29655.643	40554.635	30530.331	41179.829
103360.000	12.616	13.354	0.807	0.846	29898.810	40579.151	30789.290	41205.493
103380.000	11.904	12.764	1.255	1.321	30144.018	40599.769	31050.470	41227.161
103400.000	11.192	11.800	1.754	1.816	30374.985	40629.854	31296.118	41258.525

104460.000	4.250	4.679	6.127	6.311	35556.066	46270.870	36654.494	47027.063
104480.000	4.223	4.644	8.994	9.835	35640.795	46422.081	36747.718	47188.522
104500.000	3.904	4.190	5.414	5.538	35722.063	46566.155	36836.053	47342.246
104520.000	6.627	6.784	5.694	5.822	35827.379	46677.233	36945.792	47455.847
104540.000	6.740	6.863	5.744	5.876	35961.055	46791.617	37082.259	47572.826
104560.000	6.379	6.543	5.871	6.019	36092.250	46907.772	37216.317	47691.770
104580.000	6.924	7.070	5.300	5.420	36225.289	47019.490	37352.447	47806.155
104600.000	6.998	7.140	5.194	5.283	36364.515	47124.432	37494.550	47913.185
104620.000	6.911	7.041	5.255	5.324	36503.603	47228.914	37636.367	48019.259
104640.000	7.003	7.130	5.118	5.175	36642.738	47332.637	37778.075	48124.256
104660.000	6.424	6.593	5.334	5.401	36777.009	47437.157	37915.306	48230.017
104680.000	5.865	5.999	5.575	5.653	36899.900	47546.252	38041.226	48340.549
104700.000	5.730	5.848	5.489	5.564	37015.852	47656.896	38159.690	48452.716
104720.000	5.478	5.596	5.444	5.538	37127.936	47766.220	38274.129	48563.735
104740.000	5.001	5.109	5.652	5.749	37232.727	47877.180	38381.179	48676.605
104760.000	6.387	6.393	5.745	5.855	37346.607	47991.155	38496.196	48792.649
104780.000	6.513	6.519	5.619	5.732	37475.610	48104.797	38625.312	48908.519
104800.000	6.319	6.326	5.824	5.930	37603.933	48219.224	38753.762	49025.135
104820.000	6.313	6.320	5.836	5.955	37730.252	48335.818	38880.224	49143.980
104840.000	6.455	6.457	5.823	5.913	37857.930	48452.404	39007.995	49262.657
104860.000	6.872	6.873	5.485	5.553	37991.198	48565.486	39141.294	49377.318
104880.000	6.684	6.697	5.299	5.361	38126.761	48673.334	39276.996	49486.464

Istram 18.05.05.29 17/07/18 18:03:28 459

PROYECTO :

EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * D E S B R O C E S * * * *****							
PK inicial : 97500.000							
PK final : 119196.472							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	-----
104900.000	6.672	6.694	5.169	5.240	38260.321	48778.020	39410.910
104920.000	6.620	6.628	5.228	5.311	38393.236	48881.993	39544.131
104940.000	6.648	6.729	5.055	5.136	38525.911	48984.827	39677.704
104960.000	7.134	7.308	4.607	4.734	38663.724	49081.449	39818.075
104980.000	7.235	7.365	4.447	4.578	38807.407	49171.985	39964.806
105000.000	7.524	7.647	4.021	4.095	38954.997	49256.658	40114.933
105020.000	6.504	6.629	4.318	4.408	39095.284	49340.046	40257.697
105040.000	5.392	5.532	4.952	5.047	39214.247	49432.744	40379.309
105060.000	4.350	4.468	5.415	5.518	39311.670	49536.410	40479.310
105080.000	4.284	4.377	5.639	5.734	39398.017	49646.953	40567.765
105100.000	2.242	2.345	6.940	7.036	39463.278	49772.747	40634.987
105120.000	2.485	2.639	7.734	7.869	39510.548	49919.489	40684.830
105140.000	2.239	2.385	8.649	8.920	39557.794	50083.322	40735.071
105160.000	1.807	1.873	9.162	9.549	39598.259	50261.428	40777.654
105180.000	2.438	2.498	8.349	8.447	39640.707	50436.534	40821.367
105200.000	5.377	5.459	5.423	5.492	39718.856	50574.254	40900.938
105220.000	9.347	9.442	3.475	3.562	39866.101	50663.229	41049.954
105240.000	10.781	10.806	0.000	0.000	40067.380	50697.976	41252.440
105260.000	11.058	11.208	0.000	0.000	40285.769	50697.976	41472.583
105280.000	13.454	13.543	0.757	0.774	40530.891	50705.543	41720.095
105300.000	14.643	14.695	0.668	0.677	40811.863	50719.792	42002.474
105320.000	16.188	16.288	0.000	0.000	41120.178	50726.474	42312.307
105340.000	15.883	15.959	0.000	0.000	41440.889	50726.474	42634.783
105360.000	15.192	15.249	0.000	0.000	41751.635	50726.474	42946.869
105380.000	14.234	14.297	0.000	0.000	42045.890	50726.474	43242.330
105400.000	12.937	13.108	0.000	0.000	42317.600	50726.474	43516.374
105420.000	12.658	12.772	0.000	0.000	42573.550	50726.474	43775.165
105440.000	11.715	11.827	0.000	0.000	42817.278	50726.474	44021.153
105460.000	10.700	10.917	6.168	6.691	43041.425	50788.155	44248.599
105480.000	7.053	7.235	9.242	9.858	43218.953	50942.253	44430.118
105500.000	2.983	3.037	10.913	11.477	43319.315	51143.796	44532.833
105520.000	1.021	1.067	13.326	13.987	43359.361	51386.179	44573.872
105540.000	0.801	0.856	13.794	14.374	43377.587	51657.379	44593.098
105560.000	1.285	1.352	13.507	14.047	43398.449	51930.393	44615.171
105580.000	1.254	1.328	13.710	14.268	43423.842	52202.563	44641.966
105600.000	1.438	1.506	13.904	14.402	43450.762	52478.703	44670.298
105620.000	1.447	1.523	14.378	14.895	43479.609	52761.519	44700.588

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.

***** * * * D E S B R O C E S * * * *****							
PK inicial : 97500.000							
PK final : 119196.472							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	-----
105640.000	1.435	1.524	15.033	15.736	43508.429	53055.625	44731.067
105660.000	1.454	1.564	15.430	16.307	43537.321	53360.258	44761.957
105680.000	1.513	1.643	15.138	15.816	43566.996	53665.935	44794.030
105700.000	1.962	2.078	14.310	14.884	43601.751	53960.415	44831.236
105720.000	2.309	2.452	13.380	13.791	43644.464	54237.318	44876.535
105740.000	4.587	4.735	10.373	10.858	43713.428	54474.850	44948.409
105760.000	10.262	10.426	7.496	8.023	43861.918	54653.540	45100.027
105780.000	10.517	10.736	7.461	8.178	44069.705	54803.107	45311.656
105800.000	10.517	10.757	7.425	8.227	44280.046	54951.970	45526.594
105820.000	10.284	10.519	7.346	8.067	44488.057	55099.683	45739.353
105840.000	9.273	9.525	7.315	7.900	44683.632	55246.289	45939.789
105860.000	6.391	6.728	7.986	8.542	44840.277	55399.295	46102.320
105880.000	4.888	5.205	9.276	9.498	44953.073	55571.916	46221.652

pagina 11

105900.000	5.229	5.480	9.041	9.859	45054.247	55755.086	46328.498	56877.743
105920.000	7.221	7.493	6.718	7.327	45178.744	55912.676	46458.223	57049.612
105940.000	7.493	7.800	6.438	6.956	45325.883	56044.236	46611.156	57192.451
105960.000	3.550	3.881	10.549	11.018	45436.310	56214.100	46727.972	57372.193
105980.000	4.021	4.325	10.179	10.869	45512.020	56421.379	46810.033	57591.054
106000.000	3.703	4.034	10.698	11.279	45589.261	56630.156	46893.618	57812.525
106020.000	3.846	4.192	10.163	10.694	45664.753	56838.767	46975.872	58032.248
106040.000	4.422	4.744	8.688	9.154	45747.435	57027.277	47065.231	58230.729
106060.000	4.848	5.205	7.293	7.722	45840.130	57187.091	47164.724	58399.491
106080.000	10.263	10.482	0.000	0.000	45991.238	57260.022	47321.590	58476.710
106100.000	10.154	10.357	0.000	0.000	46195.410	57260.022	47529.971	58476.710
106120.000	10.478	10.729	0.000	0.000	46401.733	57260.022	47740.825	58476.710
106140.000	11.389	11.653	0.000	0.000	46620.410	57260.022	47964.642	58476.710
106160.000	11.377	11.645	0.000	0.000	46848.075	57260.022	48197.623	58476.710
106180.000	11.034	11.258	0.000	0.000	47072.182	57260.022	48426.655	58476.710
106200.000	11.076	11.286	0.000	0.000	47293.283	57260.022	48652.094	58476.710
106220.000	11.111	11.342	0.000	0.000	47515.161	57260.022	48878.373	58476.710
106240.000	11.082	11.294	0.000	0.000	47737.098	57260.022	49104.736	58476.710
106260.000	11.717	11.965	0.000	0.000	47965.091	57260.022	49337.330	58476.710
106280.000	11.723	12.011	0.000	0.000	48199.491	57260.022	49577.095	58476.710
106300.000	11.313	11.640	0.000	0.000	48429.854	57260.022	49813.610	58476.710
106320.000	11.624	12.066	0.750	0.778	48659.225	57267.527	50050.667	58484.495
106340.000	11.502	11.752	0.805	0.831	48890.483	57283.080	50288.843	58500.589
106360.000	8.847	9.069	3.487	3.552	49093.975	57325.999	50497.050	58544.422

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{de} de Castilla A-62:

107340.000	7.849	8.047	3.578	3.701	52803.244	64423.815	54299.862	65784.442
107360.000	7.911	8.110	3.466	3.597	52960.850	64494.251	54461.431	65857.425
107380.000	7.947	8.152	3.403	3.526	53119.438	64562.937	54624.055	65928.656
107400.000	7.819	8.029	3.513	3.627	53277.099	64632.090	54785.870	66000.185
107420.000	7.941	8.141	3.400	3.509	53434.695	64701.221	54947.575	66071.549
107440.000	8.512	8.690	2.904	3.001	53599.225	64764.265	55115.885	66136.651
107460.000	7.898	8.072	3.555	3.655	53763.327	64828.859	55283.503	66203.209
107480.000	7.797	8.072	3.778	3.895	53920.282	64902.195	55444.947	66278.703
107500.000	7.778	8.050	3.911	4.043	54076.040	64979.083	55606.168	66358.078
107520.000	7.062	7.311	4.720	4.879	54224.446	65065.392	55759.777	66447.298
107540.000	7.356	7.595	4.502	4.654	54368.633	65157.615	55908.838	66542.624
107560.000	7.238	7.475	4.744	4.910	54514.572	65250.074	56059.534	66638.257
107580.000	7.056	7.292	5.066	5.242	54657.512	65348.175	56207.201	66739.771
107600.000	7.246	7.475	4.968	5.102	54800.539	65448.519	56354.869	66843.207
107620.000	7.315	7.517	4.993	5.122	54946.154	65548.131	56504.789	66945.449
107640.000	7.098	7.271	5.330	5.450	55090.288	65651.362	56652.674	67051.170
107660.000	7.561	7.702	4.971	5.085	55236.883	65754.373	56802.402	67156.517
107680.000	7.567	7.715	5.138	5.242	55388.166	65855.466	56956.569	67259.788
107700.000	7.808	7.930	5.035	5.127	55541.914	65957.194	57113.023	67363.478
107720.000	7.577	7.706	5.390	5.493	55695.761	66061.440	57269.382	67469.670
107740.000	7.541	7.707	5.547	5.657	55846.933	66170.814	57423.508	67581.161
107760.000	6.142	6.316	6.898	7.042	55983.760	66295.266	57563.736	67708.150
107780.000	6.069	6.270	7.031	7.184	56105.872	66434.558	57689.590	67850.417
107800.000	4.842	5.048	8.352	8.530	56214.986	66588.391	57802.764	68007.559
107820.000	5.203	5.377	6.487	6.534	56315.445	66736.782	57907.014	68158.196
107840.000	11.215	11.544	4.754	4.794	56479.627	66849.192	58076.225	68271.476

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

		* * *		D E S B R O C E S		* * *		

PK inicial		:		97500.000				
PK final		:		119196.472				
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA-	--REAL--	PLANTA-	--REAL--			DESMONTE	TERRAPLEN
107860.000	7.389	7.459	6.650	6.812	56665.667	66963.227	58266.258	68387.539
107880.000	2.189	2.282	11.215	11.424	56761.450	67141.876	58363.671	68569.900
107900.000	2.065	2.155	11.527	11.754	56803.995	67369.297	58408.044	68801.078
107920.000	1.081	1.190	12.716	13.018	56835.463	67611.727	58441.499	69049.395
107940.000	0.705	0.814	13.181	13.550	56853.325	67870.696	58461.539	69315.077
107960.000	0.597	0.700	13.332	13.744	56866.339	68135.824	58476.674	69588.015
107980.000	0.488	0.592	14.658	15.210	56877.181	68415.727	58489.586	69877.553
108000.000	0.571	0.675	13.273	13.741	56887.768	68695.038	58502.253	70167.069
108020.000	0.513	0.586	13.379	13.848	56898.611	68961.554	58514.864	70442.963
108040.000	0.476	0.523	13.226	13.709	56908.500	69227.599	58525.951	70718.531
108060.000	0.201	0.228	13.446	13.993	56915.270	69494.315	58533.458	70995.552
108080.000	0.032	0.034	13.565	14.022	56917.603	69764.421	58536.079	71275.704
108100.000	0.000	0.000	13.539	13.916	56917.924	70035.457	58536.419	71555.088
108120.000	0.000	0.000	13.448	13.719	56917.924	70305.323	58536.419	71831.440
108140.000	0.000	0.000	14.114	14.583	56917.924	70580.938	58536.419	72114.463
108160.000	0.000	0.000	13.970	14.440	56917.924	70861.778	58536.419	72404.697
108180.000	0.000	0.000	13.277	13.776	56917.924	71134.254	58536.419	72686.858
108200.000	0.000	0.000	13.810	14.271	56917.924	71405.130	58536.419	72967.324
108220.000	0.000	0.000	13.964	14.438	56917.924	71682.877	58536.419	73254.411
108240.000	0.000	0.000	14.102	14.611	56917.924	71963.536	58536.419	73544.905
108260.000	0.000	0.000	14.263	14.742	56917.924	72247.186	58536.419	73838.377
108280.000	0.000	0.000	14.815	15.297	56917.924	72537.971	58536.419	74138.830
108300.000	0.000	0.000	14.759	15.195	56917.924	72833.715	58536.419	74443.748
108320.000	0.000	0.000	14.755	15.133	56917.924	73128.861	58536.419	74747.027
108340.000	0.000	0.000	14.678	14.974	56917.924	73423.196	58536.419	75048.102
108360.000	0.000	0.000	14.630	14.910	56917.924	73716.277	58536.419	75346.943
108380.000	0.000	0.000	14.600	14.877	56917.924	74008.581	58536.419	75644.812
108400.000	0.000	0.000	14.525	14.800	56917.924	74299.837	58536.419	75941.582
108420.000	0.000	0.000	14.461	14.733	56917.924	74589.695	58536.419	76236.916
108440.000	0.000	0.000	14.383	14.630	56917.924	74878.133	58536.419	76530.550
108460.000	0.000	0.000	14.306	14.573	56917.924	75165.022	58536.419	76822.579
108480.000	0.000	0.000	14.201	14.470	56917.924	75450.088	58536.419	77113.012
108500.000	0.000	0.000	14.110	14.446	56917.924	75733.194	58536.419	77402.181
108520.000	0.000	0.000	14.040	14.406	56917.924	76014.693	58536.419	77690.705
108540.000	0.000	0.000	13.984	14.358	56917.924	76294.931	58536.419	77978.340
108560.000	0.000	0.000	13.935	14.305	56917.924	76574.113	58536.419	78264.968
108580.000	0.000	0.000	13.966	14.305	56917.924	76853.118	58536.419	78551.072

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

		* * *		D E S B R O C E S				* * *	

PK inicial		:		97500.000					
PK final		:		119196.472					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.									
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA-	--REAL--	PLANTA-	--REAL--				
108600.000	0.000	0.000	13.862	14.224	56917.924	77131.400	58536.419	78836.359	
108620.000	0.000	0.000	13.821	14.187	56917.924	77408.229	58536.419	79120.465	
108640.000	0.005	0.005	13.716	14.148	56917.971	77683.596	58536.470	79403.811	
108660.000	0.290	0.313	13.280	13.694	56920.921	77953.551	58539.655	79682.233	
108680.000	0.826	0.871	12.666	12.997	56932.083	78213.006	58551.497	79949.134	
108700.000	1.037	1.097	12.280	12.597	56950.712	78462.463	58571.178	80205.074	
108720.000	1.297	1.373	11.914	12.234	56974.050	78704.402	58595.884	80453.379	
108740.000	1.534	1.622	11.622	11.932	57002.361	78939.764	58625.837	80695.035	
108760.000	1.938	2.051	11.112	11.414	57037.086	79167.102	58662.566	80928.497	

pagina 15

108780.000	2.397	2.531	10.542	10.831	57080.435	79383.640	58708.388	81150.951
108800.000	2.460	2.600	10.197	10.463	57129.005	79591.030	58759.699	81363.890
108820.000	2.568	2.711	9.973	10.227	57179.290	79792.731	58812.813	81570.788
108840.000	2.868	3.011	10.398	10.663	57233.659	79996.437	58870.033	81779.688
108860.000	2.514	2.684	11.221	11.529	57287.480	80212.622	58926.982	82001.608
108880.000	1.972	2.172	12.818	13.221	57332.332	80453.013	58975.541	82249.111
108900.000	1.778	1.953	13.549	13.949	57369.827	80716.688	59016.784	82520.815
108920.000	1.890	2.074	13.661	14.014	57406.505	80988.786	59057.056	82800.447
108940.000	2.878	3.099	12.430	12.541	57454.185	81249.694	59108.789	83066.005
108960.000	9.819	10.022	5.810	6.069	57581.153	81432.092	59239.996	83252.107
108980.000	10.462	10.670	4.894	5.135	57783.963	81539.134	59446.919	83364.139
109000.000	10.653	10.923	4.517	4.713	57995.120	81633.247	59662.850	83462.615
109020.000	10.703	10.952	4.366	4.571	58208.681	81722.073	59881.593	83555.452
109040.000	11.064	11.320	4.437	4.597	58426.344	81810.099	60104.309	83647.133
109060.000	10.338	10.637	4.066	4.214	58640.361	81895.123	60323.880	83735.249
109080.000	8.760	9.098	3.382	3.523	58831.339	81969.603	60521.234	83812.622
109100.000	5.823	6.117	6.170	6.273	58977.163	82065.124	60673.388	83910.587
109120.000	6.404	6.681	5.400	5.481	59099.427	82180.826	60801.363	84028.133
109140.000	5.898	6.193	5.348	5.417	59222.448	82288.308	60930.098	84137.117
109160.000	5.248	5.551	1.937	1.984	59333.917	82361.151	61047.534	84211.133
109180.000	4.040	4.385	2.195	2.230	59426.798	82402.467	61146.896	84253.280
109200.000	3.070	3.336	1.998	2.014	59497.896	82444.396	61224.109	84295.725
109220.000	4.698	4.865	0.778	0.781	59575.575	82472.154	61306.120	84323.679
109240.000	4.289	4.544	1.660	1.685	59665.454	82496.530	61400.212	84348.341
109260.000	4.790	5.062	1.337	1.361	59756.238	82526.493	61496.270	84378.805
109280.000	5.140	5.579	1.036	1.053	59855.540	82550.218	61602.676	84402.952
109300.000	7.838	8.004	0.698	0.711	59985.322	82567.522	61738.500	84420.596
109320.000	8.851	9.045	0.477	0.488	60152.214	82579.294	61908.988	84432.587

110220.000	0.587	0.618	10.048	10.543	63678.147	89017.858	65479.149	91034.943
110240.000	4.690	4.728	5.918	6.043	63730.924	89177.521	65532.614	91200.798
110260.000	5.985	6.031	4.564	4.676	63837.672	89282.346	65640.208	91307.981
110280.000	1.173	1.227	9.437	9.797	63909.250	89422.359	65712.795	91452.704
110300.000	1.343	1.401	9.184	9.537	63934.414	89608.566	65739.077	91646.039
110320.000	1.576	1.663	8.975	9.341	63963.609	89790.155	65769.713	91834.821
110340.000	1.952	2.061	8.430	8.752	63998.891	89964.207	65806.952	92015.759
110360.000	1.957	2.119	8.730	9.109	64037.977	90135.813	65848.751	92194.368
110380.000	2.126	2.314	8.585	8.968	64078.800	90308.971	65893.076	92375.136
110400.000	2.444	2.674	8.050	8.398	64124.497	90475.325	65942.952	92548.799
110420.000	2.686	2.958	7.759	8.072	64175.799	90633.414	65999.268	92713.505
110440.000	2.662	2.799	7.611	7.804	64229.276	90787.113	66056.837	92872.273
110460.000	3.031	3.172	7.179	7.341	64286.199	90935.010	66116.546	93023.728
110480.000	1.587	1.709	8.939	9.152	64332.377	91096.190	66165.352	93188.654
110500.000	1.738	1.870	8.660	8.857	64365.625	91272.184	66201.144	93368.741
110520.000	4.766	4.766	7.915	8.052	64430.666	91437.938	66267.512	93537.833
110540.000	4.801	4.801	7.909	8.038	64526.337	91596.181	66363.183	93698.729
110560.000	4.798	4.798	7.920	8.049	64622.321	91754.467	66459.167	93859.591
110580.000	4.848	4.848	7.951	8.073	64718.778	91913.176	66555.624	94020.803
110600.000	1.578	1.638	7.998	8.109	64783.039	92072.673	66620.480	94182.616
110620.000	4.848	4.848	8.008	8.119	64847.296	92232.738	66685.332	94344.896
110640.000	1.577	1.593	8.004	8.097	64911.540	92392.854	66749.734	94507.061
110660.000	0.881	0.931	7.992	8.108	64936.120	92552.813	66774.971	94669.110
110680.000	0.852	0.866	7.976	8.080	64953.455	92712.494	66793.142	94830.982
110700.000	0.633	0.664	7.953	8.072	64968.313	92871.779	66808.643	94992.500
110720.000	0.810	0.852	7.882	8.005	64982.752	93030.127	66823.809	95153.269
110740.000	1.049	1.083	7.871	7.987	65001.342	93187.652	66843.163	95313.185
110760.000	1.194	1.218	7.865	8.096	65023.770	93345.011	66866.172	95474.017
110780.000	1.306	1.324	7.859	8.024	65048.773	93502.258	66891.598	95635.221
110800.000	1.049	1.058	7.870	8.000	65072.325	93659.549	66915.420	95795.463

Istram 18.05.05.29 17/07/18 18:03:29 459
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

pagina 19

***** * * * D E S B R O C E S * * * *****									
PK inicial		:		97500.000					
PK final		:		119196.472					
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL					
P.K.									
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----			
110820.000	0.708	0.713	7.846	7.982	65089.893	93816.706	66933.125	95955.278	
110840.000	0.535	0.536	7.848	7.981	65102.325	93973.650	66945.612	96114.903	
110860.000	0.000	0.000	7.822	7.978	65107.680	94130.351	66950.970	96274.492	
110880.000	0.000	0.000	7.788	7.950	65107.680	94286.451	66950.970	96433.775	
110900.000	0.000	0.000	7.768	7.894	65107.680	94442.010	66950.970	96592.217	
110920.000	0.000	0.000	7.750	7.879	65107.680	94597.182	66950.970	96749.946	
110940.000	0.000	0.000	7.674	7.802	65107.680	94751.419	66950.970	96906.756	
110960.000	3.412	3.420	7.624	7.761	65141.798	94904.399	66985.173	97062.385	
110980.000	1.837	1.849	7.580	7.767	65194.281	95056.437	67037.869	97217.667	
111000.000	1.929	1.943	7.511	7.687	65231.941	95207.351	67075.796	97372.209	
111020.000	1.982	1.997	7.426	7.587	65271.053	95356.723	67115.200	97524.943	
111040.000	1.991	2.007	7.321	7.495	65310.781	95504.188	67155.248	97675.761	
111060.000	2.415	2.481	6.530	6.798	65354.838	95642.698	67200.133	97818.697	
111080.000	2.109	2.135	6.699	6.892	65400.078	95774.990	67246.297	97955.604	
111100.000	1.845	1.856	6.864	7.040	65439.618	95910.623	67286.212	98094.927	
111120.000	1.730	1.736	6.905	7.066	65475.362	96048.319	67322.133	98235.990	
111140.000	1.806	1.815	6.801	6.969	65510.717	96185.380	67357.647	98376.345	
111160.000	1.921	1.939	6.673	6.867	65547.986	96320.115	67395.191	98514.710	
111180.000	1.919	1.927	6.629	6.813	65586.384	96453.135	67433.850	98651.511	
111200.000	2.070	2.077	6.568	6.731	65626.266	96585.113	67473.891	98786.948	
111220.000	2.174	2.183	6.480	6.694	65668.699	96715.593	67516.494	98921.199	
111240.000	2.359	2.375	6.347	6.546	65714.028	96843.858	67562.079	99053.599	
111260.000	2.605	2.630	6.188	6.263	65763.673	96969.209	67612.133	99181.683	
111280.000	2.868	2.895	6.126	6.302	65818.403	97092.348	67667.383	99307.327	
111300.000	2.980	2.988	6.159	6.246	65876.884	97215.191	67726.218	99432.800	
111320.000	2.592	2.603	6.658	6.778	65932.604	97343.354	67782.136	99563.034	
111340.000	0.496	0.508	8.737	8.933	65963.476	97497.303	67813.245	99720.138	
111360.000	0.052	0.053	9.185	9.294	65968.952	97676.524	67818.845	99902.408	
111380.000	0.771	0.771	8.221	8.292	65977.180	97850.579	67827.084	100078.268	
111400.000	0.000	0.000	6.816	6.880	65984.889	98000.941	67834.796	100229.981	
111420.000	0.000	0.000	6.899	6.956	65984.889	98138.092	67834.796	100368.336	
111440.000	0.000	0.000	6.965	7.020	65984.889	98276.734	67834.796	100508.099	
111460.000	0.000	0.000	7.051	7.108	65984.889	98416.896	67834.796	100649.383	
111480.000	0.000	0.000	7.095	7.149	65984.889	98558.366	67834.796	100791.948	
111500.000	0.000	0.000	7.171	7.222	65984.889	98701.034	67834.796	100935.656	
111520.000	0.000	0.000	7.255	7.308	65984.889	98845.293	67834.796	101080.960	
111540.000	0.000	0.000	7.335	7.388	65984.889	98991.191	67834.796	101227.921	

Istram 18.05.05.29 17/07/18 18:03:29 459
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

pagina 20

***** * * * D E S B R O C E S * * * *****									
PK inicial		:		97500.000					
PK final		:		119196.472					
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL					
P.K.									
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----			
111560.000	0.000	0.000	7.415	7.764	65984.889	99138.695	67834.796	101379.440	
111580.000	0.000	0.000	7.476	7.686	65984.889	99287.608	67834.796	101533.946	
111600.000	0.000	0.000	7.512	7.685	65984.889	99437.490	67834.796	101687.662	
111620.000	0.054	0.055	7.519	7.678	65985.433	99587.806	67835.351	101841.298	
111640.000	1.147	1.176	6.347	6.480	65997.445	99726.468	67847.670	101982.887	

111660.000	1.793	1.958	6.007	6.173	66026.848	99850.005	67879.013	102109.419
111680.000	2.278	2.453	5.637	5.755	66067.564	99966.444	67923.124	102228.698
111700.000	2.514	2.689	5.532	5.648	66115.490	100078.129	67974.551	102342.727
111720.000	2.638	2.824	5.537	5.672	66167.011	100188.813	68029.684	102455.928
111740.000	2.862	3.034	5.336	5.464	66222.011	100297.535	68088.265	102567.288
111760.000	3.195	3.318	4.988	5.106	66282.580	100400.770	68151.790	102672.984
111780.000	3.290	3.394	4.821	4.919	66347.422	100498.854	68218.909	102773.232
111800.000	3.058	3.123	4.617	4.712	66410.900	100593.230	68284.075	102869.539
111820.000	2.224	2.273	4.705	4.799	66463.722	100686.449	68338.038	102964.648
111840.000	2.135	2.174	4.661	4.764	66507.311	100780.112	68382.511	103060.283
111860.000	2.183	2.209	4.489	4.580	66550.493	100871.617	68426.341	103153.728
111880.000	2.047	2.065	4.490	4.571	66592.791	100961.408	68469.077	103245.239
111900.000	1.879	1.891	4.518	4.585	66632.047	101051.489	68508.639	103336.793
111920.000	1.876	1.885	4.371	4.427	66669.597	101140.380	68546.400	103426.906
111940.000	1.798	1.815	4.315	4.371	66706.339	101227.238	68583.394	103514.879
111960.000	1.635	1.661	4.371	4.425	66740.671	101314.099	68618.153	103602.832
111980.000	7.388	7.428	4.375	4.429	66830.904	101401.557	68709.043	103691.371
112000.000	8.292	8.366	3.732	3.793	66987.708	101482.626	68866.979	103773.595
112020.000	8.814	8.948	3.719	3.774	67158.769	101557.134	69040.113	103849.274
112040.000	10.177	10.565	3.194	3.228	67348.680	101626.260	69235.240	103919.297
112060.000	11.061	11.728	3.335	3.368	67561.068	101691.551	69458.165	103985.255
112080.000	12.881	13.867	2.594	2.620	67800.495	101750.847	69714.114	104045.130
112100.000	14.368	15.554	1.908	1.929	68072.991	101795.874	70008.322	104090.612
112120.000	15.431	16.704	0.299	0.302	68370.984	101817.947	70330.898	104112.917
112140.000	9.159	9.332	0.000	0.000	68616.881	101820.935	70591.261	104115.934
112160.000	8.181	8.354	0.000	0.000	68790.275	101820.935	70768.121	104115.934
112180.000	8.038	8.202	0.000	0.000	68952.462	101820.935	70933.674	104115.934
112200.000	8.085	8.248	0.000	0.000	69113.691	101820.935	71098.166	104115.934
112220.000	8.360	8.534	0.000	0.000	69278.137	101820.935	71265.980	104115.934
112240.000	8.488	8.647	0.000	0.000	69446.610	101820.935	71437.791	104115.934
112260.000	10.527	10.900	1.426	1.439	69636.754	101835.193	71633.262	104130.328
112280.000	8.996	9.439	3.217	3.369	69831.986	101881.618	71836.654	104178.412

113100.000	9.122	9.192	2.516	2.523	74961.097	105910.012	77030.166	108301.564
113120.000	8.459	8.531	3.346	3.357	75136.913	105968.625	77207.397	108360.372
113140.000	7.516	7.583	3.773	3.792	75296.667	106039.808	77368.535	108431.864
113160.000	5.794	5.852	4.782	4.810	75429.768	106125.359	77502.887	108517.880
113180.000	3.281	3.306	7.246	7.292	75520.515	106245.642	77594.468	108638.895
113200.000	3.247	3.284	7.142	7.228	75585.793	106389.517	77660.368	108784.097
113220.000	2.965	3.008	7.031	7.146	75647.915	106531.245	77723.290	108927.841
113240.000	1.624	1.645	6.851	7.026	75693.808	106670.062	77769.822	109069.559
113260.000	1.897	1.923	6.754	6.940	75729.024	106806.111	77805.499	109209.216
113280.000	1.987	2.000	6.636	6.851	75767.869	106940.019	77844.720	109347.125
113300.000	3.033	3.074	5.400	5.674	75818.068	107060.383	77895.459	109472.372
113320.000	2.838	2.862	5.259	5.504	75876.775	107166.974	77954.822	109584.151
113340.000	1.437	1.452	6.469	6.652	75919.527	107284.260	77997.962	109705.710
113360.000	3.086	3.087	6.696	6.850	75964.761	107415.915	78043.355	109840.726
113380.000	3.863	3.863	7.039	7.359	76034.253	107553.269	78112.858	109982.818
113400.000	2.637	2.643	7.243	7.455	76099.252	107696.097	78177.919	110130.962
113420.000	2.163	2.165	7.619	7.688	76147.248	107844.718	78225.997	110282.392
113440.000	1.598	1.604	8.056	8.186	76184.854	108001.469	78263.678	110441.133
113460.000	0.964	0.969	8.441	8.642	76210.476	108166.439	78289.401	110609.414
113480.000	0.000	0.000	8.785	8.981	76220.117	108338.692	78299.089	110785.646
113500.000	0.639	0.677	9.004	9.171	76226.509	108516.582	78305.855	110967.166
113520.000	0.433	0.453	9.126	9.275	76237.230	108697.890	78317.148	111151.620
113540.000	0.515	0.537	9.118	9.300	76246.707	108880.329	78327.049	111337.366
113560.000	0.627	0.659	9.032	9.230	76258.123	109061.828	78339.017	111522.661
113580.000	0.397	0.412	8.868	9.092	76268.358	109240.832	78349.736	111705.884
113600.000	0.253	0.260	8.804	8.859	76274.858	109417.551	78356.464	111885.399
113620.000	1.331	1.336	7.587	7.684	76290.699	109581.460	78372.431	112050.829
113640.000	1.006	1.015	7.917	7.990	76314.070	109736.501	78395.940	112207.568
113660.000	0.102	0.106	8.196	8.351	76325.153	109897.629	78407.149	112370.980
113680.000	0.000	0.000	8.011	8.166	76326.172	110059.698	78408.211	112536.152
113700.000	0.000	0.000	7.822	7.956	76326.172	110218.026	78408.211	112697.367
113720.000	0.000	0.000	7.501	7.578	76326.172	110371.253	78408.211	112852.706
113740.000	0.000	0.000	7.199	7.249	76326.172	110518.254	78408.211	113000.984
113760.000	0.000	0.000	6.888	6.942	76326.172	110659.125	78408.211	113142.901

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

		* * *		D E S B R O C E S				* * *	

PK inicial		: 97500.000							
PK final		: 119196.472							
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	-----
113780.000	0.000	0.000	6.668	6.725	76326.172	110794.689	78408.211	113279.579	
113800.000	0.000	0.000	6.553	6.608	76326.172	110926.906	78408.211	113412.914	
113820.000	0.000	0.000	6.352	6.380	76326.172	111055.955	78408.211	113542.800	
113840.000	0.000	0.000	9.182	9.193	76326.172	111211.291	78408.211	113698.533	
113860.000	0.000	0.000	9.842	9.883	76326.172	111401.532	78408.211	113889.291	
113880.000	0.000	0.000	10.029	10.084	76326.172	111600.239	78408.211	114088.959	
113900.000	0.000	0.000	10.174	10.219	76326.172	111802.264	78408.211	114291.993	
113920.000	0.000	0.000	9.733	9.767	76326.172	112001.336	78408.211	114491.853	
113940.000	0.000	0.000	9.849	9.894	76326.172	112197.162	78408.211	114688.455	
113960.000	0.000	0.000	8.722	8.863	76326.172	112382.869	78408.211	114876.021	
113980.000	0.000	0.000	8.279	8.455	76326.172	112552.872	78408.211	115049.204	
114000.000	0.000	0.000	8.562	8.719	76326.172	112721.282	78408.211	115220.944	
114020.000	0.000	0.000	9.029	9.096	76326.172	112897.195	78408.211	115399.092	
114040.000	0.000	0.000	8.756	8.802	76326.172	113075.044	78408.211	115578.072	
114060.000	0.000	0.000	8.212	8.576	76326.172	113244.726	78408.211	115751.853	
114080.000	0.335	0.341	7.234	7.375	76329.521	113399.186	78411.626	115911.367	
114100.000	0.420	0.429	7.005	7.086	76337.075	113541.568	78419.333	116055.982	
114120.000	3.900	3.923	3.300	3.340	76380.284	113644.615	78462.853	116160.245	
114140.000	4.164	4.178	2.762	2.790	76460.933	113705.237	78543.860	116221.547	
114160.000	5.767	5.797	2.430	2.465	76560.250	113757.155	78643.610	116274.100	
114180.000	7.728	7.771	1.132	1.146	76695.203	113792.777	78779.294	116310.212	
114200.000	9.706	9.760	0.000	0.000	76869.542	113804.100	78954.610	116321.670	
114220.000	9.092	9.177	0.947	0.965	77057.522	113813.566	79143.980	116331.320	
114240.000	9.365	9.484	0.636	0.649	77242.093	113829.397	79330.584	116347.463	
114260.000	5.283	5.442	2.733	2.783	77388.576	113863.089	79479.839	116381.789	
114280.000	3.421	3.443	3.285	3.315	77475.623	113923.269	79568.693	116442.777	
114300.000	4.543	4.600	1.771	1.790	77555.267	113973.829	79649.132	116493.831	
114320.000	8.861	8.960	0.756	0.765	77689.307	113999.100	79784.737	116519.382	
114340.000	7.489	7.557	1.879	1.943	77852.805	114025.456	79949.903	116546.460	
114360.000	0.000	0.000	5.113	5.163	77927.696	114095.375	80025.469	116617.516	
114380.000	2.067	2.072	2.909	2.960	77948.363	114175.592	80046.185	116698.742	
114400.000	1.660	1.663	3.199	3.254	77985.627	114236.675	80083.531	116760.875	
114420.000	0.000	0.000	4.874	4.937	78002.222	114317.404	80100.162	116842.782	
114440.000	0.000	0.000	4.869	5.000	78002.222	114414.829	80100.162	116942.157	
114460.000	0.000	0.000	4.741	4.872	78002.222	114510.928	80100.162	117040.884	
114480.000	0.000	0.000	4.745	4.794	78002.222	114605.793	80100.162	117137.543	
114500.000	0.000	0.000	6.610	6.761	78002.222	114719.351	80100.162	117253.084	

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

		* * *		D E S B R O C E S				* * *				

PK inicial		: 97500.000										
PK final		: 119196.472										
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL						
P.K.	-----		-----		-----		-----					
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	-PLANTA--		-REAL--		-PLANTA--		-REAL--		DESMONTE		TERRAPLEN	
114520.000	0.089	0.093	4.553	4.573	78003.108	114830.982	80101.090	117366.424				

pagina 23

114540.000	0.897	0.927	4.456	4.478	78012.965	114921.065	80111.284	117456.940
114560.000	2.217	2.275	3.039	3.087	78044.102	114996.009	80143.299	117532.596
114580.000	2.655	3.104	2.500	2.624	78092.815	115051.393	80197.090	117589.712
114600.000	3.749	4.169	1.568	1.630	78156.851	115092.073	80269.824	117632.255
114620.000	5.317	5.890	0.000	0.000	78247.506	115107.755	80370.419	117648.556
114640.000	5.231	6.092	0.000	0.000	78352.978	115107.755	80490.248	117648.556
114660.000	5.823	6.865	0.000	0.000	78463.515	115107.755	80619.819	117648.556
114680.000	5.068	6.164	0.000	0.000	78572.430	115107.755	80750.106	117648.556
114700.000	4.732	5.693	0.000	0.000	78670.429	115107.755	80868.675	117648.556
114720.000	4.004	4.189	0.000	0.000	78757.785	115107.755	80967.495	117648.556
114740.000	4.078	4.700	0.000	0.000	78838.604	115107.755	81056.386	117648.556
114760.000	3.697	3.859	0.000	0.000	78916.354	115107.755	81141.975	117648.556

-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----
116000.000	3.967	4.034	5.181	5.268	82704.006	121435.365	85043.266	124091.538
116020.000	3.685	3.750	5.191	5.249	82780.527	121539.082	85121.106	124196.707
116040.000	3.909	3.991	5.157	5.236	82856.470	121642.562	85198.522	124301.549
116060.000	3.971	4.068	4.880	4.959	82935.268	121742.933	85279.115	124403.490
116080.000	4.161	4.256	5.038	5.120	83016.581	121842.116	85362.358	124504.275
116100.000	4.364	4.476	4.929	5.028	83101.827	121941.787	85449.677	124605.754
116120.000	3.892	4.023	4.980	5.091	83184.385	122040.876	85534.660	124706.944
116140.000	4.026	4.166	4.711	4.817	83263.562	122137.789	85616.541	124806.021
116160.000	4.922	5.070	4.384	4.480	83353.040	122228.740	85708.897	124898.987
116180.000	5.964	6.121	3.903	3.983	83461.896	122311.606	85820.806	124983.617
116200.000	6.813	6.980	3.244	3.313	83589.665	122383.076	85951.813	125056.575
116220.000	6.916	7.085	2.882	2.935	83726.960	122444.335	86092.456	125119.054
116240.000	7.268	7.455	2.727	2.771	83868.803	122500.416	86237.852	125176.119
116260.000	7.189	7.400	2.762	2.808	84013.371	122555.306	86386.405	125231.912
116280.000	5.753	5.980	3.913	4.011	84142.790	122622.065	86520.208	125300.104
116300.000	5.529	5.770	4.142	4.249	84255.615	122702.619	86637.708	125382.703
116320.000	5.038	5.386	4.393	4.493	84361.291	122787.966	86749.263	125470.117
116340.000	3.996	4.350	4.599	4.687	84451.638	122877.884	86846.619	125561.910
116360.000	4.135	4.469	4.300	4.402	84532.950	122966.871	86934.803	125652.797
116380.000	3.803	4.102	4.483	4.582	84612.329	123054.702	87020.509	125742.635
116400.000	4.221	4.460	4.484	4.594	84692.569	123144.377	87106.130	125834.390
116420.000	6.822	6.954	4.367	4.457	84802.999	123232.893	87220.270	125924.892
116440.000	6.450	6.558	4.414	4.503	84935.724	123320.706	87355.389	126014.488
116460.000	6.006	6.086	4.443	4.542	85060.292	123409.273	87481.830	126104.935
116480.000	5.652	5.714	4.375	4.490	85176.878	123497.446	87599.835	126195.248
116500.000	5.842	5.886	4.066	4.212	85291.816	123581.850	87715.839	126282.263
116520.000	5.746	5.780	4.090	4.208	85407.693	123663.413	87832.504	126366.462
116540.000	5.211	5.227	4.596	4.682	85517.262	123750.277	87942.575	126455.365
116560.000	3.644	3.649	6.017	6.081	85605.811	123856.404	88031.333	126563.002
116580.000	3.226	3.295	5.903	5.956	85674.509	123975.601	88100.768	126683.377
116600.000	2.901	2.901	5.793	5.850	85735.781	124092.564	88162.728	126801.438
116620.000	2.621	2.621	5.684	5.759	85791.008	124207.338	88217.956	126917.531
116640.000	2.041	2.041	5.500	5.587	85837.632	124319.185	88264.580	127030.992
116660.000	2.504	2.703	5.283	5.358	85883.080	124427.015	88312.025	127140.442
116680.000	2.222	2.371	5.088	5.160	85930.337	124530.718	88362.771	127245.620
116700.000	1.860	1.969	4.948	5.032	85971.160	124631.075	88406.176	127347.539
116720.000	0.498	0.576	4.781	4.875	85994.749	124728.361	88431.633	127446.608

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * D E S B R O C E S * * *

PK inicial : 97500.000
PK final : 119196.472

P.K.	ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----
116740.000	1.909	1.936	4.686	4.803	86018.828	124823.023
116760.000	2.606	2.614	4.518	4.627	86063.977	124915.055
116780.000	2.720	2.722	4.368	4.485	86117.235	125003.911
116800.000	2.819	2.819	4.297	4.444	86172.624	125090.564
116820.000	2.380	2.381	4.156	4.289	86224.614	125175.098
116840.000	1.813	1.814	4.129	4.252	86266.551	125257.950
116860.000	1.319	1.320	4.081	4.234	86297.876	125340.053
116880.000	0.874	0.896	3.554	3.713	86319.806	125416.402
116900.000	0.000	0.000	3.879	3.984	86328.544	125490.730
116920.000	0.000	0.000	3.778	3.853	86328.544	125567.305
116940.000	0.000	0.000	3.738	3.819	86328.544	125642.468
116960.000	0.079	0.083	3.532	3.612	86329.336	125715.166
116980.000	0.000	0.000	3.644	3.725	86330.128	125786.924
117000.000	0.000	0.000	3.594	3.681	86330.128	125859.302
117020.000	0.000	0.000	3.660	3.760	86330.128	125931.841
117040.000	0.000	0.000	3.600	3.696	86330.128	126004.446
117060.000	0.000	0.000	3.623	3.736	86330.128	126076.680
117080.000	0.000	0.000	3.712	3.831	86330.128	126150.024
117100.000	0.000	0.000	3.662	3.764	86330.133	126223.754
117120.000	0.000	0.000	3.671	3.764	86330.137	126297.080
117140.000	0.000	0.000	3.700	3.759	86330.137	126370.792
117160.000	5.381	5.394	3.044	3.094	86383.946	126438.229
117180.000	6.978	7.000	2.171	2.205	86507.538	126490.374
117200.000	8.050	8.078	1.358	1.383	86657.820	126525.658
117220.000	8.918	9.004	0.931	0.950	86827.503	126548.549
117240.000	9.982	10.177	0.885	0.902	87016.506	126566.718
117260.000	11.090	11.501	0.609	0.620	87227.231	126581.665
117280.000	9.635	9.681	0.339	0.346	87434.481	126591.151
117300.000	9.789	9.835	0.000	0.000	87628.718	126594.544
117320.000	10.151	10.198	0.000	0.000	87828.125	126594.544
117340.000	10.281	10.326	0.000	0.000	88032.454	126594.544
117360.000	11.209	11.278	0.000	0.000	88247.361	126594.544
117380.000	11.735	11.761	0.000	0.000	88476.804	126594.544
117400.000	12.058	12.145	0.000	0.000	88714.735	126594.544
117420.000	12.535	12.654	0.000	0.000	88960.670	126594.544
117440.000	10.484	10.626	0.000	0.000	89190.864	126594.544
117460.000	11.290	11.373	0.000	0.000	89408.599	126594.544

Istram 18.05.05.29 17/07/18 18:03:29 459

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

* * * D E S B R O C E S * * *

PK inicial : 97500.000
PK final : 119196.472

ANCHOS OCUPADOS AREA DE DESBROCE EN PLANTA SUPERFICIE REAL

pagina 27

P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	-REAL-	-PLANTA-	-REAL-				
117480.000	2.021	2.030	0.000	0.000	89541.702	126594.544	92010.027	129361.957
117500.000	3.264	3.303	0.000	0.000	89594.550	126594.544	92063.358	129361.957
117520.000	4.336	4.496	0.000	0.000	89670.553	126594.544	92141.353	129361.957
117540.000	8.643	8.962	0.000	0.000	89800.349	126594.544	92275.932	129361.957
117560.000	8.960	9.167	0.000	0.000	89976.383	126594.544	92457.218	129361.957
117580.000	9.299	9.535	0.000	0.000	90158.977	126594.544	92644.236	129361.957
117600.000	9.591	9.784	0.000	0.000	90347.880	126594.544	92837.425	129361.957
117620.000	9.791	10.012	0.000	0.000	90541.705	126594.544	93035.380	129361.957
117640.000	9.783	9.908	0.000	0.000	90737.454	126594.544	93234.580	129361.957
117660.000	6.126	6.140	0.000	0.000	90896.544	126594.544	93395.066	129361.957
117680.000	6.135	6.172	0.000	0.000	91019.148	126594.544	93518.191	129361.957
117700.000	6.482	6.567	0.000	0.000	91145.313	126594.544	93645.578	129361.957
117720.000	8.869	9.128	0.350	0.358	91298.820	126598.047	93802.522	129365.536
117740.000	6.820	6.907	1.295	1.320	91455.714	126614.504	93962.865	129382.312
117760.000	6.162	6.244	1.904	1.926	91585.541	126646.497	94094.371	129414.767
117780.000	6.040	6.150	3.764	3.838	91707.560	126703.173	94218.313	129472.408
117800.000	8.630	8.758	3.934	4.017	91854.254	126780.151	94367.400	129550.959
117820.000	10.449	10.499	4.945	5.060	92045.042	126868.947	94559.973	129641.726
117840.000	8.994	8.999	9.862	10.015	92239.467	127017.017	94754.947	129792.473
117860.000	11.138	11.165	9.213	9.261	92440.789	127207.763	94956.587	129985.233
117880.000	7.088	7.092	12.920	12.966	92623.054	127429.092	95139.166	130207.506
117900.000	0.540	0.549	19.280	19.324	92699.335	127751.090	95215.578	130530.403
117920.000	2.092	2.101	17.803	17.864	92725.656	128121.917	95242.078	130902.280
117940.000	2.723	2.728	17.312	17.430	92773.804	128473.062	95290.375	131255.217
117960.000	5.197	5.290	15.420	15.532	92852.998	128800.376	95370.556	131584.840
117980.000	9.192	9.589	11.336	11.467	92996.885	129067.934	95519.345	131854.835
118000.000	11.989	12.491	8.236	8.313	93208.696	129263.659	95740.152	132052.637
118020.000	17.421	18.266	3.414	3.460	93502.797	129380.165	96047.723	132170.374
118040.000	23.022	23.754	0.000	0.000	93907.233	129414.308	96467.923	132204.979
118060.000	23.932	24.440	0.000	0.000	94376.776	129414.308	96949.872	132204.979
118080.000	25.036	25.427	0.000	0.000	94866.457	129414.308	97448.542	132204.979
118100.000	26.291	26.687	0.000	0.000	95379.733	129414.308	97969.681	132204.979
118120.000	26.348	26.787	0.000	0.000	95906.123	129414.308	98504.427	132204.979
118140.000	26.689	27.440	0.000	0.000	96436.487	129414.308	99046.700	132204.979
118160.000	26.791	27.826	0.000	0.000	96971.282	129414.308	99599.361	132204.979
118180.000	27.655	28.651	0.000	0.000	97515.742	129414.308	100164.134	132204.979
118200.000	28.881	29.882	0.000	0.000	98081.108	129414.308	100749.469	132204.979

PK final		:		119196.472						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.										
		DESMONTE		TERRAPLEN				DESMONTE		TERRAPLEN
		PLANTA	REAL	PLANTA	REAL			DESMONTE	TERRAPLEN	
118960.000	5.342	5.489	4.149	4.258	108462.243	135078.011	111469.493	138148.667		
118980.000	1.140	1.158	7.695	7.824	108527.062	135196.451	111535.959	138269.491		
119000.000	4.456	4.570	4.043	4.132	108583.020	135313.828	111593.231	138389.053		
119020.000	1.440	1.454	7.598	7.697	108641.982	135430.239	111653.467	138507.342		
119040.000	5.766	5.828	4.260	4.364	108714.042	135548.820	111726.289	138627.955		
119060.000	2.150	2.210	8.080	8.206	108793.201	135672.219	111806.671	138753.660		
119080.000	2.157	2.219	7.834	7.952	108836.271	135831.363	111850.966	138915.241		
119100.000	1.786	1.861	9.065	9.287	108875.707	136000.350	111891.771	139087.625		
119120.000	2.378	2.432	7.904	8.061	108917.348	136170.032	111934.706	139261.098		
119140.000	3.115	3.162	7.046	7.205	108972.272	136319.525	111990.646	139413.754		
119160.000	1.702	1.732	8.500	8.663	109020.435	136474.977	112039.583	139572.431		
119180.000	1.893	1.947	8.453	8.639	109056.378	136644.497	112076.377	139745.445		
119196.472	2.744	2.796	7.597	7.791	109094.568	136776.682	112115.445	139880.758		

FIRMES TRONCO

Istram 18.05.05.29 17/07/18 18:00:32 459

PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
97500.000	SCemento-1	3.414		0.00	0.0	AC32 BaseG	1.283		0.00
	ZA	0.868		0.00	0.0	SCemento-2	0.472		0.00
	AC22 bin	1.031		0.00	0.0	BBTM 11B	0.436		0.00
	Rellenos	1.538		0.00	0.0				
97520.000	SCemento-1	3.414		68.28	68.3	AC32 BaseG	1.283		25.67
	ZA	0.868		17.36	17.4	SCemento-2	0.471		9.43
	AC22 bin	1.033		20.64	20.6	BBTM 11B	0.435		8.72
	Rellenos	1.538		30.76	30.8				
97540.000	SCemento-1	3.414		68.28	136.6	AC32 BaseG	1.283		25.67
	ZA	0.868		17.36	34.7	SCemento-2	0.472		9.44
	AC22 bin	1.031		20.64	41.3	BBTM 11B	0.436		8.72
	Rellenos	1.537		30.75	61.5				
97560.000	SCemento-1	3.414		68.27	204.8	AC32 BaseG	1.283		25.67
	ZA	0.868		17.36	52.1	SCemento-2	0.472		9.44
	AC22 bin	1.031		20.62	61.9	BBTM 11B	0.436		8.73
	Rellenos	1.538		30.75	92.3				
97580.000	SCemento-1	3.414		68.28	273.1	AC32 BaseG	1.284		25.67
	ZA	0.868		17.36	69.4	SCemento-2	0.471		9.43
	AC22 bin	1.032		20.63	82.5	BBTM 11B	0.435		8.72
	Rellenos	1.538		30.76	123.0				
97600.000	SCemento-1	3.414		68.28	341.4	AC32 BaseG	1.283		25.67
	ZA	0.868		17.36	86.8	SCemento-2	0.472		9.44
	AC22 bin	1.031		20.63	103.2	BBTM 11B	0.436		8.72
	Rellenos	1.537		30.75	153.8				
97620.000	SCemento-1	3.414		68.28	409.7	AC32 BaseG	1.282		25.65
	ZA	0.868		17.36	104.1	SCemento-2	0.472		9.45
	AC22 bin	1.031		20.62	123.8	BBTM 11B	0.438		8.74
	Rellenos	1.537		30.75	184.5				
97640.000	SCemento-1	3.414		68.28	477.9	AC32 BaseG	1.284		25.66
	ZA	0.868		17.36	121.5	SCemento-2	0.471		9.44
	AC22 bin	1.032		20.63	144.4	BBTM 11B	0.435		8.73
	Rellenos	1.538		30.75	215.3				
97660.000	SCemento-1	3.414		68.27	546.2	AC32 BaseG	1.284		25.67
	ZA	0.868		17.36	138.9	SCemento-2	0.472		9.44
	AC22 bin	1.031		20.63	165.0	BBTM 11B	0.436		8.72
	Rellenos	1.537		30.75	246.0				

Istram 18.05.05.29 17/07/18 18:00:32 459

PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
97680.000	SCemento-1	3.414		68.28	614.5	AC32 BaseG	1.282		25.66
	ZA	0.868		17.36	156.2	SCemento-2	0.472		9.44
	AC22 bin	1.032		20.63	185.7	BBTM 11B	0.437		8.73
	Rellenos	1.538		30.75	276.8				
97700.000	SCemento-1	3.414		68.28	682.8	AC32 BaseG	1.284		25.66
	ZA	0.868		17.36	173.6	SCemento-2	0.471		9.43
	AC22 bin	1.031		20.63	206.3	BBTM 11B	0.436		8.73
	Rellenos	1.538		30.75	307.5				
97720.000	SCemento-1	3.414		68.28	751.0	AC32 BaseG	1.284		25.67
	ZA	0.868		17.36	190.9	SCemento-2	0.472		9.43
	AC22 bin	1.031		20.63	226.9	BBTM 11B	0.436		8.73
	Rellenos	1.537		30.75	338.3				
97740.000	SCemento-1	3.414		68.28	819.3	AC32 BaseG	1.283		25.67
	ZA	0.868		17.36	208.3	SCemento-2	0.471		9.43
	AC22 bin	1.033		20.64	247.6	BBTM 11B	0.435		8.72
	Rellenos	1.538		30.75	369.0				
97760.000	SCemento-1	3.414		68.28	887.6	AC32 BaseG	1.284		25.67
	ZA	0.868		17.36	225.6	SCemento-2	0.472		9.44
	AC22 bin	1.030		20.63	268.2	BBTM 11B	0.436		8.72
	Rellenos	1.537		30.75	399.8				
97780.000	SCemento-1	3.492		69.05	956.6	AC32 BaseG	1.314		25.98
	ZA	0.868		17.36	243.0	SCemento-2	0.472		9.45
	AC22 bin	1.053		20.83	289.0	BBTM 11B	0.446		8.82
	Rellenos	1.538		30.75	430.5				
97800.000	SCemento-1	3.621		71.13	1027.8	AC32 BaseG	1.367		26.81
	ZA	0.868		17.36	260.4	SCemento-2	0.471		9.44
	AC22 bin	1.090		21.43	310.5	BBTM 11B	0.460		9.06
	Rellenos	1.538		30.76	461.3				
97820.000	SCemento-1	3.751		73.73	1101.5	AC32 BaseG	1.417		27.84
	ZA	0.868		17.36	277.7	SCemento-2	0.472		9.43
	AC22 bin	1.126		22.16	332.6	BBTM 11B	0.477		9.37
	Rellenos	1.538		30.76	492.0				
97840.000	SCemento-1	3.881		76.32	1177.8	AC32 BaseG	1.468		28.86
	ZA	0.868		17.36	295.1	SCemento-2	0.472		9.44
	AC22 bin	1.162		22.88	355.5	BBTM 11B	0.493		9.70
	Rellenos	1.539		30.76	522.8				

Istram 18.05.05.29 17/07/18 18:00:32 459

PROYECTO :

pagina 3

EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
97860.000	SCemento-1	4.010		78.91	1256.7	AC32 BaseG	1.522		29.90
	ZA	0.868		17.35	312.4	SCemento-2	0.473		9.45
	AC22 bin	1.197		23.59	379.1	BBTM 11B	0.508		10.01
	Rellenos	1.538		30.76	553.6				
97880.000	SCemento-1	4.139		81.50	1338.2	AC32 BaseG	1.574		30.96
	ZA	0.868		17.35	329.8	SCemento-2	0.472		9.45
	AC22 bin	1.234		24.31	403.4	BBTM 11B	0.524		10.33
	Rellenos	1.538		30.75	584.3				
97900.000	SCemento-1	4.270		84.09	1422.3	AC32 BaseG	1.625		31.99
	ZA	0.868		17.36	347.1	SCemento-2	0.472		9.44
	AC22 bin	1.271		25.05	428.4	BBTM 11B	0.539		10.64
	Rellenos	1.537		30.75	615.1				
97920.000	SCemento-1	4.289		85.59	1507.9	AC32 BaseG	1.634		32.59
	ZA	0.868		17.36	364.5	SCemento-2	0.471		9.43
	AC22 bin	1.277		25.48	453.9	BBTM 11B	0.540		10.79
	Rellenos	1.538		30.76	645.8				
97940.000	SCemento-1	4.288		85.77	1593.7	AC32 BaseG	1.634		32.67
	ZA	0.868		17.36	381.9	SCemento-2	0.472		9.44
	AC22 bin	1.276		25.53	479.5	BBTM 11B	0.541		10.82
	Rellenos	1.537		30.75	676.6				
97960.000	SCemento-1	4.289		85.77	1679.5	AC32 BaseG	1.632		32.65
	ZA	0.868		17.36	399.2	SCemento-2	0.472		9.45
	AC22 bin	1.277		25.52	505.0	BBTM 11B	0.542		10.83
	Rellenos	1.537		30.75	707.3				
97980.000	SCemento-1	4.289		85.78	1765.2	AC32 BaseG	1.634		32.66
	ZA	0.868		17.36	416.6	SCemento-2	0.471		9.44
	AC22 bin	1.277		25.54	530.5	BBTM 11B	0.541		10.83
	Rellenos	1.538		30.75	738.1				
98000.000	SCemento-1	4.289		85.78	1851.0	AC32 BaseG	1.633		32.67
	ZA	0.868		17.35	433.9	SCemento-2	0.472		9.44
	AC22 bin	1.276		25.53	556.0	BBTM 11B	0.541		10.82
	Rellenos	1.538		30.75	768.8				
98020.000	SCemento-1	4.289		85.78	1936.8	AC32 BaseG	1.632		32.66
	ZA	0.868		17.35	451.3	SCemento-2	0.472		9.45
	AC22 bin	1.278		25.54	581.6	BBTM 11B	0.541		10.82
	Rellenos	1.538		30.75	799.6				

Istram 18.05.05.29 17/07/18 18:00:32 459

PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
98040.000	SCemento-1	4.289		85.78	2022.6	AC32 BaseG	1.633		32.66 764.6
	ZA	0.868		17.36	468.6	SCemento-2	0.472		9.44 254.8
	AC22 bin	1.277		25.55	607.1	BBTM 11B	0.541		10.82 257.1
	Rellenos	1.537		30.75	830.3				
98060.000	SCemento-1	4.289		85.77	2108.3	AC32 BaseG	1.633		32.67 797.2
	ZA	0.868		17.36	486.0	SCemento-2	0.472		9.43 264.3
	AC22 bin	1.276		25.53	632.7	BBTM 11B	0.541		10.83 267.9
	Rellenos	1.538		30.75	861.1				
98080.000	SCemento-1	4.289		85.78	2194.1	AC32 BaseG	1.634		32.67 829.9
	ZA	0.868		17.36	503.4	SCemento-2	0.472		9.43 273.7
	AC22 bin	1.277		25.54	658.2	BBTM 11B	0.540		10.82 278.7
	Rellenos	1.538		30.76	891.8				
98100.000	SCemento-1	4.288		85.77	2279.9	AC32 BaseG	1.633		32.67 862.6
	ZA	0.868		17.36	520.7	SCemento-2	0.472		9.44 283.1
	AC22 bin	1.276		25.53	683.7	BBTM 11B	0.541		10.82 289.5
	Rellenos	1.537		30.75	922.6				
98120.000	SCemento-1	4.288		85.76	2365.6	AC32 BaseG	1.632		32.66 895.2
	ZA	0.868		17.36	538.1	SCemento-2	0.472		9.45 292.6
	AC22 bin	1.276		25.52	709.2	BBTM 11B	0.543		10.84 300.4
	Rellenos	1.537		30.75	953.3				
98140.000	SCemento-1	4.289		85.77	2451.4	AC32 BaseG	1.634		32.66 927.9
	ZA	0.868		17.36	555.4	SCemento-2	0.471		9.44 302.0
	AC22 bin	1.277		25.53	734.8	BBTM 11B	0.540		10.83 311.2
	Rellenos	1.538		30.75	984.1				
98160.000	SCemento-1	4.288		85.77	2537.2	AC32 BaseG	1.634		32.67 960.6
	ZA	0.868		17.36	572.8	SCemento-2	0.472		9.44 311.5
	AC22 bin	1.276		25.53	760.3	BBTM 11B	0.541		10.82 322.0
	Rellenos	1.537		30.75	1014.9				
98180.000	SCemento-1	4.288		85.76	2622.9	AC32 BaseG	1.633		32.66 993.2
	ZA	0.867		17.35	590.1	SCemento-2	0.472		9.44 320.9
	AC22 bin	1.276		25.51	785.8	BBTM 11B	0.543		10.84 332.9
	Rellenos	1.538		30.75	1045.6				
98200.000	SCemento-1	4.289		85.77	2708.7	AC32 BaseG	1.634		32.66 1025.9
	ZA	0.868		17.35	607.5	SCemento-2	0.471		9.43 330.3
	AC22 bin	1.277		25.53	811.4	BBTM 11B	0.541		10.84 343.7
	Rellenos	1.538		30.75	1076.4				

CAPAS DE FIRME										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

98220.000	SCemento-1	4.289		85.77	2794.5	AC32 BaseG	1.633		32.67	1058.6
	ZA	0.868		17.36	624.8	SCemento-2	0.472		9.44	339.8
	AC22 bin	1.276		25.53	836.9	BBTM 11B	0.541		10.82	354.5
	Rellenos	1.537		30.75	1107.1					
98240.000	SCemento-1	4.289		85.77	2880.3	AC32 BaseG	1.632		32.66	1091.2
	ZA	0.868		17.36	642.2	SCemento-2	0.472		9.44	349.2
	AC22 bin	1.277		25.52	862.4	BBTM 11B	0.542		10.83	365.4
	Rellenos	1.538		30.75	1137.9					
98260.000	SCemento-1	4.289		85.78	2966.0	AC32 BaseG	1.634		32.66	1123.9
	ZA	0.868		17.36	659.6	SCemento-2	0.472		9.44	358.7
	AC22 bin	1.276		25.53	887.9	BBTM 11B	0.541		10.83	376.2
	Rellenos	1.537		30.75	1168.6					
98280.000	SCemento-1	4.289		85.77	3051.8	AC32 BaseG	1.633		32.67	1156.6
	ZA	0.868		17.36	676.9	SCemento-2	0.472		9.44	368.1
	AC22 bin	1.276		25.52	913.5	BBTM 11B	0.541		10.83	387.0
	Rellenos	1.538		30.75	1199.4					
98300.000	SCemento-1	4.289		85.78	3137.6	AC32 BaseG	1.633		32.67	1189.2
	ZA	0.868		17.35	694.3	SCemento-2	0.472		9.45	377.6
	AC22 bin	1.277		25.53	939.0	BBTM 11B	0.540		10.82	397.9
	Rellenos	1.538		30.76	1230.1					
98320.000	SCemento-1	4.289		85.78	3223.4	AC32 BaseG	1.633		32.66	1221.9
	ZA	0.868		17.36	711.6	SCemento-2	0.472		9.44	387.0
	AC22 bin	1.276		25.53	964.5	BBTM 11B	0.541		10.82	408.7
	Rellenos	1.537		30.75	1260.9					
98340.000	SCemento-1	4.288		85.77	3309.1	AC32 BaseG	1.632		32.65	1254.5
	ZA	0.868		17.36	729.0	SCemento-2	0.472		9.44	396.4
	AC22 bin	1.276		25.52	990.0	BBTM 11B	0.543		10.84	419.5
	Rellenos	1.537		30.75	1291.6					
98360.000	SCemento-1	4.289		85.77	3394.9	AC32 BaseG	1.634		32.66	1287.2
	ZA	0.868		17.36	746.3	SCemento-2	0.471		9.44	405.9
	AC22 bin	1.277		25.53	1015.6	BBTM 11B	0.540		10.83	430.3
	Rellenos	1.538		30.76	1322.4					
98380.000	SCemento-1	3.414		77.03	3471.9	AC32 BaseG	1.284		29.18	1316.4
	ZA	0.868		17.36	763.7	SCemento-2	0.472		9.44	415.3
	AC22 bin	1.031		23.08	1038.6	BBTM 11B	0.436		9.77	440.1
	Rellenos	1.537		30.76	1353.1					

Istram 18.05.05.29 17/07/18 18:00:32 459 pagina 6

PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
CAPAS DE FIRME										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

98400.000	SCemento-1	3.346		67.59	3539.5	AC32 BaseG	1.282		25.66	1342.0
	ZA	0.868		17.36	781.0	SCemento-2	0.472		9.44	424.8
	AC22 bin	1.031		20.62	1059.2	BBTM 11B	0.438		8.74	448.9
	Rellenos	1.538		30.75	1383.9					
98420.000	SCemento-1	3.414		67.60	3607.1	AC32 BaseG	1.284		25.66	1367.7
	ZA	0.868		17.36	798.4	SCemento-2	0.471		9.43	434.2
	AC22 bin	1.032		20.63	1079.9	BBTM 11B	0.436		8.73	457.6
	Rellenos	1.538		30.75	1414.6					
98440.000	SCemento-1	3.414		68.27	3675.4	AC32 BaseG	1.284		25.67	1393.4
	ZA	0.868		17.36	815.8	SCemento-2	0.472		9.44	443.6
	AC22 bin	1.031		20.62	1100.5	BBTM 11B	0.436		8.72	466.3
	Rellenos	1.537		30.75	1445.4					
98460.000	SCemento-1	3.414		68.27	3743.7	AC32 BaseG	1.282		25.66	1419.0
	ZA	0.868		17.36	833.1	SCemento-2	0.472		9.44	453.1
	AC22 bin	1.033		20.63	1121.1	BBTM 11B	0.435		8.72	475.0
	Rellenos	1.538		30.75	1476.1					
98480.000	SCemento-1	3.414		68.28	3812.0	AC32 BaseG	1.283		25.66	1444.7
	ZA	0.868		17.36	850.5	SCemento-2	0.472		9.44	462.5
	AC22 bin	1.030		20.63	1141.8	BBTM 11B	0.436		8.72	483.7
	Rellenos	1.537		30.75	1506.9					
98500.000	SCemento-1	3.414		68.28	3880.2	AC32 BaseG	1.283		25.67	1470.3
	ZA	0.868		17.36	867.8	SCemento-2	0.472		9.44	472.0
	AC22 bin	1.031		20.62	1162.4	BBTM 11B	0.436		8.73	492.5
	Rellenos	1.538		30.75	1537.6					
98520.000	SCemento-1	3.414		68.28	3948.5	AC32 BaseG	1.283		25.67	1496.0
	ZA	0.868		17.36	885.2	SCemento-2	0.471		9.43	481.4
	AC22 bin	1.033		20.64	1183.0	BBTM 11B	0.435		8.72	501.2
	Rellenos	1.538		30.76	1568.4					
98540.000	SCemento-1	3.414		68.28	4016.8	AC32 BaseG	1.283		25.67	1521.7
	ZA	0.853		17.20	902.4	SCemento-2	0.472		9.44	490.8
	AC22 bin	1.031		20.64	1203.7	BBTM 11B	0.436		8.72	509.9
	Rellenos	1.537		30.75	1599.1					
98560.000	SCemento-1	3.414		68.27	4085.1	AC32 BaseG	1.283		25.67	1547.3
	ZA	1.010		18.63	921.0	SCemento-2	0.472		9.44	500.3
	AC22 bin	1.031		20.62	1224.3	BBTM 11B	0.436		8.73	518.6
	Rellenos	2.470		40.07	1639.2					

Istram 18.05.05.29 17/07/18 18:00:32 459 pagina 7

PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
CAPAS DE FIRME										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

98580.000	SCemento-1	3.414	68.28	4153.3	AC32 BaseG	1.284	25.67	1573.0
	ZA	1.010	20.20	941.2	SCemento-2	0.471	9.43	509.7
	AC22 bin	1.032	20.63	1244.9	BBTM 11B	0.435	8.72	527.3
	Rellenos	2.471	49.40	1688.6				
98600.000	SCemento-1	3.414	68.28	4221.6	AC32 BaseG	1.283	25.67	1598.7
	ZA	1.010	20.20	961.4	SCemento-2	0.472	9.44	519.1
	AC22 bin	1.031	20.63	1265.5	BBTM 11B	0.436	8.72	536.1
	Rellenos	2.470	49.40	1738.0				
98620.000	SCemento-1	3.414	68.28	4289.9	AC32 BaseG	1.282	25.65	1624.4
	ZA	0.868	18.78	980.2	SCemento-2	0.472	9.44	528.6
	AC22 bin	1.031	20.62	1286.2	BBTM 11B	0.438	8.74	544.8
	Rellenos	1.537	40.07	1778.1				
98640.000	SCemento-1	3.414	68.28	4358.2	AC32 BaseG	1.284	25.66	1650.0
	ZA	0.868	17.36	997.6	SCemento-2	0.471	9.44	538.0
	AC22 bin	1.032	20.63	1306.8	BBTM 11B	0.435	8.73	553.5
	Rellenos	1.538	30.75	1808.8				
98660.000	SCemento-1	3.414	68.27	4426.4	AC32 BaseG	1.284	25.67	1675.7
	ZA	0.868	17.36	1014.9	SCemento-2	0.472	9.44	547.5
	AC22 bin	1.031	20.63	1327.4	BBTM 11B	0.436	8.72	562.3
	Rellenos	1.537	30.75	1839.6				
98680.000	SCemento-1	3.414	68.28	4494.7	AC32 BaseG	1.282	25.66	1701.3
	ZA	1.010	18.78	1033.7	SCemento-2	0.472	9.44	556.9
	AC22 bin	1.032	20.63	1348.0	BBTM 11B	0.437	8.73	571.0
	Rellenos	2.152	36.90	1876.5				
98700.000	SCemento-1	3.414	68.28	4563.0	AC32 BaseG	1.284	25.66	1727.0
	ZA	1.010	20.20	1053.9	SCemento-2	0.472	9.43	566.3
	AC22 bin	1.031	20.63	1368.7	BBTM 11B	0.436	8.73	579.7
	Rellenos	2.201	43.53	1920.0				
98720.000	SCemento-1	3.414	68.28	4631.3	AC32 BaseG	1.284	25.67	1752.7
	ZA	0.868	18.78	1072.7	SCemento-2	0.472	9.43	575.8
	AC22 bin	1.031	20.63	1389.3	BBTM 11B	0.436	8.73	588.4
	Rellenos	1.537	37.38	1957.4				
98740.000	SCemento-1	3.414	68.28	4699.5	AC32 BaseG	1.283	25.67	1778.3
	ZA	0.868	17.36	1090.0	SCemento-2	0.471	9.43	585.2
	AC22 bin	1.033	20.64	1409.9	BBTM 11B	0.435	8.72	597.2
	Rellenos	1.538	30.75	1988.2				

98960.000	SCemento-1	1.416	35.18	5298.7	AC32 BaseG	0.723	14.83	2004.3
	ZA	0.816	16.37	1289.7	SCemento-2	0.472	9.44	689.0
	AC22 bin	1.008	17.96	1622.3	BBTM 11B	0.435	8.72	693.1
	Rellenos	1.521	30.46	2410.4				
98980.000	SCemento-1	1.413	28.29	5327.0	AC32 BaseG	0.996	17.19	2021.5
	ZA	0.810	16.26	1306.0	SCemento-2	0.472	9.44	698.4
	AC22 bin	1.030	20.38	1642.7	BBTM 11B	0.436	8.72	701.9
	Rellenos	1.515	30.36	2440.8				
99000.000	SCemento-1	1.412	28.25	5355.2	AC32 BaseG	1.018	20.14	2041.7
	ZA	0.812	16.23	1322.2	SCemento-2	0.472	9.44	707.9
	AC22 bin	1.031	20.62	1663.3	BBTM 11B	0.436	8.73	710.6
	Rellenos	1.518	30.33	2471.1				
99020.000	SCemento-1	3.414	48.26	5403.5	AC32 BaseG	1.283	23.01	2064.7
	ZA	0.812	16.25	1338.5	SCemento-2	0.472	9.44	717.3
	AC22 bin	1.031	20.62	1683.9	BBTM 11B	0.436	8.73	719.3
	Rellenos	1.517	30.35	2501.5				
99040.000	SCemento-1	3.414	68.28	5471.8	AC32 BaseG	1.283	25.67	2090.4
	ZA	0.805	16.18	1354.6	SCemento-2	0.472	9.44	726.7
	AC22 bin	1.033	20.64	1704.6	BBTM 11B	0.435	8.72	728.0
	Rellenos	1.509	30.26	2531.7				
99060.000	SCemento-1	4.289	77.03	5548.8	AC32 BaseG	1.632	29.15	2119.5
	ZA	0.820	16.25	1370.9	SCemento-2	0.472	9.44	736.2
	AC22 bin	1.277	23.10	1727.7	BBTM 11B	0.542	9.77	737.8
	Rellenos	1.524	30.33	2562.1				
99080.000	SCemento-1	4.289	85.78	5634.6	AC32 BaseG	1.634	32.66	2152.2
	ZA	0.812	16.32	1387.2	SCemento-2	0.471	9.43	745.6
	AC22 bin	1.277	25.54	1753.2	BBTM 11B	0.540	10.82	748.6
	Rellenos	1.518	30.42	2592.5				
99100.000	SCemento-1	4.289	85.78	5720.4	AC32 BaseG	1.634	32.68	2184.8
	ZA	0.810	16.23	1403.4	SCemento-2	0.472	9.44	755.1
	AC22 bin	1.276	25.53	1778.8	BBTM 11B	0.540	10.81	759.4
	Rellenos	1.515	30.32	2622.8				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 10
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME*****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99120.000	SCemento-1	4.288		85.77	5806.1	AC32 BaseG	1.633		32.67	2217.5
	ZA	0.810		16.20	1419.6	SCemento-2	0.472		9.44	764.5
	AC22 bin	1.276		25.51	1804.3	BBTM 11B	0.543		10.83	770.3
	Rellenos	1.514		30.29	2653.1					
99140.000	SCemento-1	4.290		85.77	5891.9	AC32 BaseG	1.634		32.67	2250.2
	ZA	0.994		18.04	1437.7	SCemento-2	0.473		9.45	773.9
	AC22 bin	1.276		25.51	1829.8	BBTM 11B	0.540		10.83	781.1
	Rellenos	1.783		32.97	2686.1					
99160.000	SCemento-1	4.289		85.79	5977.7	AC32 BaseG	1.632		32.66	2282.8
	ZA	1.004		19.98	1457.7	SCemento-2	0.472		9.45	783.4
	AC22 bin	1.278		25.54	1855.3	BBTM 11B	0.541		10.81	791.9
	Rellenos	1.857		36.40	2722.5					
99180.000	SCemento-1	4.289		85.78	6063.5	AC32 BaseG	1.632		32.64	2315.5
	ZA	0.808		18.12	1475.8	SCemento-2	0.472		9.44	792.8
	AC22 bin	1.276		25.54	1880.9	BBTM 11B	0.543		10.84	802.7
	Rellenos	1.512		33.69	2756.2					
99200.000	SCemento-1	4.288		85.76	6149.2	AC32 BaseG	1.632		32.64	2348.1
	ZA	1.009		18.17	1494.0	SCemento-2	0.472		9.44	802.3
	AC22 bin	1.276		25.52	1906.4	BBTM 11B	0.543		10.86	813.6
	Rellenos	1.918		34.30	2790.5					
99220.000	SCemento-1	4.289		85.77	6235.0	AC32 BaseG	1.634		32.66	2380.8
	ZA	0.868		18.77	1512.7	SCemento-2	0.472		9.44	811.7
	AC22 bin	1.277		25.53	1931.9	BBTM 11B	0.540		10.83	824.4
	Rellenos	1.538		34.56	2825.0					
99240.000	SCemento-1	4.289		85.78	6320.8	AC32 BaseG	1.632		32.66	2413.4
	ZA	0.868		17.36	1530.1	SCemento-2	0.472		9.44	821.1
	AC22 bin	1.278		25.55	1957.5	BBTM 11B	0.541		10.81	835.2
	Rellenos	1.538		30.76	2855.8					
99260.000	SCemento-1	4.288		85.77	6406.6	AC32 BaseG	1.633		32.65	2446.1
	ZA	0.868		17.36	1547.4	SCemento-2	0.472		9.44	830.6
	AC22 bin	1.276		25.54	1983.0	BBTM 11B	0.543		10.84	846.1
	Rellenos	1.537		30.75	2886.5					
99280.000	SCemento-1	4.224		85.12	6491.7	AC32 BaseG	1.607		32.40	2478.5
	ZA	0.868		17.36	1564.8	SCemento-2	0.472		9.44	840.0
	AC22 bin	1.259		25.34	2008.3	BBTM 11B	0.533		10.76	856.8
	Rellenos	1.538		30.75	2917.3					

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 11
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99300.000	SCemento-1	4.095		83.19	6574.9	AC32 BaseG	1.554		31.61	2510.1
	ZA	0.868		17.36	1582.2	SCemento-2	0.472		9.44	849.5
	AC22 bin	1.222		24.81	2033.1	BBTM 11B	0.519		10.52	867.4
	Rellenos	1.538		30.76	2948.0					
99320.000	SCemento-1	3.965		80.60	6655.5	AC32 BaseG	1.504		30.57	2540.7
	ZA	0.868		17.36	1599.5	SCemento-2	0.472		9.44	858.9
	AC22 bin	1.185		24.07	2057.2	BBTM 11B	0.502		10.21	877.6
	Rellenos	1.537		30.75	2978.8					

99340.000	SCemento-1	3.835	78.00	6733.5	AC32 BaseG	1.452	29.55	2570.2
	ZA	0.868	17.36	1616.9	SCemento-2	0.471	9.44	868.3
	AC22 bin	1.151	23.36	2080.6	BBTM 11B	0.486	9.88	887.5
	Rellenos	1.538	30.75	3009.5				
99360.000	SCemento-1	3.706	75.41	6808.9	AC32 BaseG	1.400	28.52	2598.7
	ZA	0.868	17.36	1634.2	SCemento-2	0.472	9.43	877.8
	AC22 bin	1.113	22.64	2103.2	BBTM 11B	0.471	9.57	897.0
	Rellenos	1.537	30.75	3040.3				
99380.000	SCemento-1	3.576	72.81	6881.7	AC32 BaseG	1.348	27.48	2626.2
	ZA	0.868	17.36	1651.6	SCemento-2	0.472	9.44	887.2
	AC22 bin	1.076	21.89	2125.1	BBTM 11B	0.457	9.28	906.3
	Rellenos	1.538	30.75	3071.0				
99400.000	SCemento-1	3.448	70.23	6951.9	AC32 BaseG	1.297	26.45	2652.7
	ZA	0.868	17.36	1669.0	SCemento-2	0.472	9.44	896.6
	AC22 bin	1.040	21.16	2146.3	BBTM 11B	0.440	8.96	915.3
	Rellenos	1.538	30.75	3101.8				
99420.000	SCemento-1	3.415	68.63	7020.5	AC32 BaseG	1.284	25.80	2678.5
	ZA	0.868	17.36	1686.3	SCemento-2	0.472	9.44	906.1
	AC22 bin	1.031	20.71	2167.0	BBTM 11B	0.435	8.75	924.0
	Rellenos	1.538	30.75	3132.5				
99440.000	SCemento-1	3.413	68.28	7088.8	AC32 BaseG	1.283	25.67	2704.1
	ZA	0.868	17.36	1703.7	SCemento-2	0.472	9.44	915.5
	AC22 bin	1.031	20.62	2187.6	BBTM 11B	0.438	8.73	932.8
	Rellenos	1.537	30.75	3163.3				
99460.000	SCemento-1	3.414	68.27	7157.1	AC32 BaseG	1.282	25.65	2729.8
	ZA	0.868	17.36	1721.0	SCemento-2	0.472	9.44	925.0
	AC22 bin	1.031	20.62	2208.2	BBTM 11B	0.438	8.75	941.5
	Rellenos	1.538	30.75	3194.0				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 12
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME*****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99480.000	SCemento-1	3.413		68.27	7225.3	AC32 BaseG	1.284		25.67	2755.5
	ZA	0.868		17.36	1738.4	SCemento-2	0.472		9.44	934.4
	AC22 bin	1.031		20.62	2228.8	BBTM 11B	0.436		8.74	950.2
	Rellenos	1.537		30.75	3224.8					
99500.000	SCemento-1	3.414		68.27	7293.6	AC32 BaseG	1.283		25.68	2781.1
	ZA	0.868		17.36	1755.7	SCemento-2	0.471		9.43	943.8
	AC22 bin	1.033		20.64	2249.5	BBTM 11B	0.435		8.72	959.0
	Rellenos	1.538		30.75	3255.5					
99520.000	SCemento-1	3.414		68.28	7361.9	AC32 BaseG	1.283		25.67	2806.8
	ZA	0.868		17.36	1773.1	SCemento-2	0.471		9.43	953.3
	AC22 bin	1.033		20.66	2270.1	BBTM 11B	0.435		8.71	967.7
	Rellenos	1.538		30.76	3286.3					
99540.000	SCemento-1	3.413		68.27	7430.2	AC32 BaseG	1.283		25.66	2832.5
	ZA	0.868		17.36	1790.5	SCemento-2	0.472		9.43	962.7
	AC22 bin	1.031		20.64	2290.8	BBTM 11B	0.438		8.73	976.4
	Rellenos	1.537		30.75	3317.0					
99560.000	SCemento-1	3.414		68.27	7498.4	AC32 BaseG	1.282		25.65	2858.1
	ZA	0.868		17.36	1807.8	SCemento-2	0.472		9.44	972.1
	AC22 bin	1.033		20.63	2311.4	BBTM 11B	0.435		8.73	985.1
	Rellenos	1.538		30.75	3347.8					
99580.000	SCemento-1	3.414		68.28	7566.7	AC32 BaseG	1.282		25.64	2883.7
	ZA	0.868		17.36	1825.2	SCemento-2	0.472		9.44	981.6
	AC22 bin	1.032		20.64	2332.1	BBTM 11B	0.437		8.72	993.9
	Rellenos	1.538		30.75	3378.6					
99600.000	SCemento-1	3.414		68.28	7635.0	AC32 BaseG	1.284		25.66	2909.4
	ZA	0.868		17.36	1842.5	SCemento-2	0.472		9.44	991.0
	AC22 bin	1.031		20.63	2352.7	BBTM 11B	0.435		8.72	1002.6
	Rellenos	1.537		30.75	3409.3					
99620.000	SCemento-1	3.414		68.28	7703.3	AC32 BaseG	1.284		25.68	2935.1
	ZA	0.868		17.36	1859.9	SCemento-2	0.472		9.45	1000.5
	AC22 bin	1.030		20.61	2373.3	BBTM 11B	0.436		8.72	1011.3
	Rellenos	1.537		30.75	3440.0					
99640.000	SCemento-1	3.414		68.28	7771.5	AC32 BaseG	1.283		25.67	2960.8
	ZA	0.868		17.36	1877.3	SCemento-2	0.471		9.44	1009.9
	AC22 bin	1.033		20.63	2393.9	BBTM 11B	0.435		8.72	1020.0
	Rellenos	1.538		30.75	3470.8					

99720.000	SCemento-1	3.414	68.28	8044.7	AC32 BaseG	1.284	25.66	3063.4
	ZA	0.868	17.36	1946.7	SCemento-2	0.472	9.44	1047.7
	AC22 bin	1.031	20.63	2476.4	BBTM 11B	0.436	8.73	1054.9
	Rellenos	1.536	30.73	3593.8				
99740.000	SCemento-1	3.414	68.27	8112.9	AC32 BaseG	1.284	25.67	3089.1
	ZA	0.868	17.36	1964.0	SCemento-2	0.471	9.44	1057.1
	AC22 bin	1.032	20.63	2497.1	BBTM 11B	0.435	8.72	1063.6
	Rellenos	1.535	30.72	3624.5				
99760.000	SCemento-1	3.414	68.28	8181.2	AC32 BaseG	1.282	25.66	3114.7
	ZA	0.868	17.36	1981.4	SCemento-2	0.472	9.44	1066.5
	AC22 bin	1.031	20.63	2517.7	BBTM 11B	0.438	8.73	1072.4
	Rellenos	1.535	30.70	3655.2				
99780.000	SCemento-1	3.414	68.28	8249.5	AC32 BaseG	1.283	25.65	3140.4
	ZA	0.868	17.36	1998.7	SCemento-2	0.472	9.44	1076.0
	AC22 bin	1.031	20.62	2538.3	BBTM 11B	0.436	8.74	1081.1
	Rellenos	1.534	30.68	3685.9				
99800.000	SCemento-1	3.414	68.28	8317.8	AC32 BaseG	1.284	25.67	3166.1
	ZA	0.867	17.35	2016.1	SCemento-2	0.471	9.44	1085.4
	AC22 bin	1.032	20.63	2559.0	BBTM 11B	0.435	8.72	1089.8
	Rellenos	1.534	30.68	3716.6				
99820.000	SCemento-1	3.414	68.28	8386.0	AC32 BaseG	1.283	25.67	3191.8
	ZA	0.868	17.35	2033.5	SCemento-2	0.472	9.43	1094.8
	AC22 bin	1.031	20.63	2579.6	BBTM 11B	0.436	8.72	1098.5
	Rellenos	1.533	30.68	3747.2				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 14
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL
99840.000	SCemento-1	3.414	68.27	8454.3	AC32 BaseG	1.283	25.67	3217.4
	ZA	0.868	17.36	2050.8	SCemento-2	0.472	9.44	1104.3
	AC22 bin	1.031	20.62	2600.2	BBTM 11B	0.436	8.73	1107.3
	Rellenos	1.533	30.66	3777.9				
99860.000	SCemento-1	3.414	68.28	8522.6	AC32 BaseG	1.283	25.67	3243.1
	ZA	0.868	17.36	2068.2	SCemento-2	0.471	9.44	1113.7
	AC22 bin	1.033	20.64	2620.8	BBTM 11B	0.435	8.72	1116.0
	Rellenos	1.534	30.67	3808.6				
99880.000	SCemento-1	3.414	68.28	8590.9	AC32 BaseG	1.283	25.67	3268.8
	ZA	0.868	17.36	2085.5	SCemento-2	0.472	9.43	1123.1
	AC22 bin	1.031	20.64	2641.5	BBTM 11B	0.436	8.72	1124.7
	Rellenos	1.534	30.68	3839.2				
99900.000	SCemento-1	3.414	68.28	8659.1	AC32 BaseG	1.283	25.67	3294.4
	ZA	0.868	17.35	2102.9	SCemento-2	0.472	9.44	1132.6
	AC22 bin	1.030	20.62	2662.1	BBTM 11B	0.436	8.73	1133.4
	Rellenos	1.534	30.68	3869.9				
99920.000	SCemento-1	3.414	68.28	8727.4	AC32 BaseG	1.282	25.66	3320.1
	ZA	0.868	17.36	2120.2	SCemento-2	0.472	9.44	1142.0
	AC22 bin	1.033	20.63	2682.7	BBTM 11B	0.435	8.72	1142.1
	Rellenos	1.535	30.69	3900.6				
99940.000	SCemento-1	3.414	68.27	8795.7	AC32 BaseG	1.284	25.66	3345.7
	ZA	0.868	17.35	2137.6	SCemento-2	0.472	9.44	1151.5
	AC22 bin	1.031	20.63	2703.4	BBTM 11B	0.436	8.72	1150.9
	Rellenos	1.535	30.71	3931.3				
99960.000	SCemento-1	3.414	68.28	8864.0	AC32 BaseG	1.284	25.68	3371.4
	ZA	0.868	17.35	2154.9	SCemento-2	0.471	9.44	1160.9
	AC22 bin	1.032	20.62	2724.0	BBTM 11B	0.436	8.72	1159.6
	Rellenos	1.536	30.72	3962.0				
99980.000	SCemento-1	3.414	68.28	8932.2	AC32 BaseG	1.282	25.66	3397.1
	ZA	0.868	17.36	2172.3	SCemento-2	0.472	9.43	1170.3
	AC22 bin	1.031	20.63	2744.6	BBTM 11B	0.438	8.73	1168.3
	Rellenos	1.537	30.73	3992.8				
100000.000	SCemento-1	3.414	68.28	9000.5	AC32 BaseG	1.284	25.66	3422.7
	ZA	0.868	17.35	2189.7	SCemento-2	0.472	9.44	1179.8
	AC22 bin	1.031	20.62	2765.2	BBTM 11B	0.436	8.74	1177.1
	Rellenos	1.537	30.74	4023.5				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 15
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL
100020.000	SCemento-1	3.414	68.28	9068.8	AC32 BaseG	1.284	25.68	3448.4
	ZA	0.868	17.35	2207.0	SCemento-2	0.471	9.44	1189.2
	AC22 bin	1.032	20.63	2785.9	BBTM 11B	0.435	8.72	1185.8
	Rellenos	1.537	30.74	4054.2				
100040.000	SCemento-1	3.413	68.27	9137.1	AC32 BaseG	1.283	25.67	3474.1
	ZA	0.868	17.36	2224.4	SCemento-2	0.472	9.43	1198.7
	AC22 bin	1.031	20.63	2806.5	BBTM 11B	0.438	8.73	1194.5
	Rellenos	1.537	30.75	4085.0				
100060.000	SCemento-1	3.414	68.26	9205.3	AC32 BaseG	1.283	25.66	3499.7
	ZA	0.868	17.36	2241.7	SCemento-2	0.472	9.44	1208.1
	AC22 bin	1.031	20.62	2827.1	BBTM 11B	0.436	8.74	1203.2
	Rellenos	1.537	30.75	4115.7				
100080.000	SCemento-1	3.414	68.28	9273.6	AC32 BaseG	1.284	25.67	3525.4
	ZA	0.868	17.36	2259.1	SCemento-2	0.471	9.44	1217.5
	AC22 bin	1.032	20.63	2847.7	BBTM 11B	0.435	8.72	1212.0
	Rellenos	1.538	30.75	4146.5				

100100.000	SCemento-1	3.414	68.28	9341.9	AC32 BaseG	1.283	25.67	3551.1
	ZA	0.868	17.36	2276.4	SCemento-2	0.472	9.43	1227.0
	AC22 bin	1.031	20.63	2868.4	BBTM 11B	0.436	8.72	1220.7
	Rellenos	1.538	30.76	4177.2				
100120.000	SCemento-1	3.414	68.27	9410.1	AC32 BaseG	1.284	25.67	3576.8
	ZA	0.868	17.36	2293.8	SCemento-2	0.472	9.44	1236.4
	AC22 bin	1.030	20.62	2889.0	BBTM 11B	0.436	8.73	1229.4
	Rellenos	1.537	30.75	4208.0				
100140.000	SCemento-1	3.414	68.28	9478.4	AC32 BaseG	1.283	25.67	3602.4
	ZA	0.868	17.36	2311.2	SCemento-2	0.471	9.44	1245.8
	AC22 bin	1.033	20.63	2909.6	BBTM 11B	0.435	8.72	1238.1
	Rellenos	1.538	30.75	4238.7				
100160.000	SCemento-1	3.414	68.28	9546.7	AC32 BaseG	1.284	25.67	3628.1
	ZA	0.868	17.36	2328.5	SCemento-2	0.472	9.43	1255.3
	AC22 bin	1.031	20.64	2930.3	BBTM 11B	0.436	8.72	1246.8
	Rellenos	1.537	30.75	4269.5				
100180.000	SCemento-1	3.414	68.28	9615.0	AC32 BaseG	1.284	25.67	3653.8
	ZA	0.868	17.36	2345.9	SCemento-2	0.471	9.43	1245.7
	AC22 bin	1.031	20.63	2950.9	BBTM 11B	0.436	8.73	1255.6
	Rellenos	1.538	30.75	4300.3				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 16
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL
100200.000	SCemento-1	3.414	68.28	9683.3	AC32 BaseG	1.282	25.66	3679.4
	ZA	0.868	17.36	2363.2	SCemento-2	0.472	9.43	1274.1
	AC22 bin	1.032	20.63	2971.5	BBTM 11B	0.437	8.73	1264.3
	Rellenos	1.538	30.75	4331.0				
100220.000	SCemento-1	3.414	68.28	9751.5	AC32 BaseG	1.284	25.66	3705.1
	ZA	0.868	17.36	2380.6	SCemento-2	0.472	9.44	1283.6
	AC22 bin	1.031	20.63	2992.2	BBTM 11B	0.436	8.73	1273.0
	Rellenos	1.537	30.75	4361.8				
100240.000	SCemento-1	3.414	68.28	9819.8	AC32 BaseG	1.284	25.67	3730.8
	ZA	0.868	17.36	2397.9	SCemento-2	0.471	9.44	1293.0
	AC22 bin	1.032	20.63	3012.8	BBTM 11B	0.435	8.72	1281.7
	Rellenos	1.538	30.75	4392.5				
100260.000	SCemento-1	3.414	68.28	9888.1	AC32 BaseG	1.282	25.66	3756.4
	ZA	0.868	17.36	2415.3	SCemento-2	0.472	9.44	1302.5
	AC22 bin	1.031	20.63	3033.4	BBTM 11B	0.438	8.73	1290.5
	Rellenos	1.537	30.75	4423.3				
100280.000	SCemento-1	3.414	68.28	9956.4	AC32 BaseG	1.283	25.65	3782.1
	ZA	0.868	17.36	2432.7	SCemento-2	0.472	9.45	1311.9
	AC22 bin	1.031	20.62	3054.0	BBTM 11B	0.436	8.74	1299.2
	Rellenos	1.537	30.75	4454.0				
100300.000	SCemento-1	3.414	68.27	10024.6	AC32 BaseG	1.284	25.67	3807.8
	ZA	0.868	17.35	2450.0	SCemento-2	0.472	9.45	1321.4
	AC22 bin	1.031	20.62	3074.6	BBTM 11B	0.436	8.73	1307.9
	Rellenos	1.537	30.75	4484.7				
100320.000	SCemento-1	3.414	68.27	10092.9	AC32 BaseG	1.284	25.67	3833.4
	ZA	0.868	17.35	2467.4	SCemento-2	0.472	9.45	1330.8

100480.000	SCemento-1	3.414	68.28	10639.1	AC32 BaseG	1.284	25.66	4038.8
	ZA	0.868	17.36	2606.2	SCemento-2	0.472	9.44	1406.3
	AC22 bin	1.031	20.62	3260.2	BBTM 11B	0.435	8.73	1386.5
	Rellenos	1.537	30.75	4761.5				
	SCemento-1	3.414	68.28	10707.4	AC32 BaseG	1.282	25.66	4064.4
100500.000	ZA	0.868	17.36	2623.6	SCemento-2	0.472	9.44	1415.8
	AC22 bin	1.032	20.63	3280.8	BBTM 11B	0.437	8.72	1395.2
	Rellenos	1.538	30.75	4792.2				
	SCemento-1	3.414	68.28	10775.7	AC32 BaseG	1.284	25.66	4090.1
	ZA	0.868	17.36	2640.9	SCemento-2	0.471	9.43	1425.2
100520.000	AC22 bin	1.032	20.64	3301.5	BBTM 11B	0.435	8.72	1403.9
	Rellenos	1.538	30.75	4823.0				
	SCemento-1	3.414	68.28	10844.0	AC32 BaseG	1.283	25.67	4115.8
	ZA	0.868	17.36	2658.3	SCemento-2	0.472	9.43	1434.6
	AC22 bin	1.031	20.64	3322.1	BBTM 11B	0.436	8.72	1412.7
100540.000	Rellenos	1.537	30.75	4853.7				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 18
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * ***** CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100560.000	SCemento-1	3.414		68.28	10912.2	AC32 BaseG	1.284		25.67	4141.4
	ZA	0.868		17.36	2675.6	SCemento-2	0.472		9.44	1444.1
	AC22 bin	1.030		20.62	3342.7	BBTM 11B	0.436		8.73	1421.4
	Rellenos	1.537		30.75	4884.5					
100580.000	SCemento-1	3.414		68.27	10980.5	AC32 BaseG	1.284		25.68	4167.1
	ZA	0.868		17.36	2693.0	SCemento-2	0.472		9.45	1453.5
	AC22 bin	1.030		20.61	3363.3	BBTM 11B	0.436		8.73	1430.1
	Rellenos	1.537		30.75	4915.2					
100600.000	SCemento-1	3.414		68.28	11048.8	AC32 BaseG	1.284		25.68	4192.8
	ZA	0.868		17.36	2710.4	SCemento-2	0.472		9.44	1463.0
	AC22 bin	1.031		20.62	3384.0	BBTM 11B	0.436		8.73	1438.8
	Rellenos	1.537		30.75	4946.0					
100620.000	SCemento-1	3.414		68.28	11117.1	AC32 BaseG	1.284		25.68	4218.5
	ZA	0.868		17.36	2727.7	SCemento-2	0.471		9.43	1472.4
	AC22 bin	1.032		20.63	3404.6	BBTM 11B	0.435		8.72	1447.5
	Rellenos	1.538		30.75	4976.7					
100640.000	SCemento-1	3.414		68.28	11185.3	AC32 BaseG	1.284		25.68	4244.1
	ZA	0.868		17.36	2745.1	SCemento-2	0.471		9.43	1481.8
	AC22 bin	1.032		20.64	3425.2	BBTM 11B	0.435		8.71	1456.3
	Rellenos	1.538		30.76	5007.5					
100660.000	SCemento-1	3.414		68.28	11253.6	AC32 BaseG	1.282		25.66	4269.8
	ZA	0.868		17.36	2762.4	SCemento-2	0.472		9.44	1491.3
	AC22 bin	1.031		20.63	3445.9	BBTM 11B	0.438		8.73	1465.0
	Rellenos	1.537		30.75	5038.2					
100680.000	SCemento-1	3.414		68.28	11321.9	AC32 BaseG	1.283		25.65	4295.5
	ZA	0.868		17.36	2779.8	SCemento-2	0.472		9.45	1500.7
	AC22 bin	1.031		20.62	3466.5	BBTM 11B	0.436		8.74	1473.7
	Rellenos	1.487		30.25	5068.5					
100700.000	SCemento-1	3.414		68.28	11390.2	AC32 BaseG	1.283		25.66	4321.1
	ZA	0.868		17.36	2797.1	SCemento-2	0.472		9.44	1510.1
	AC22 bin	1.033		20.63	3487.1	BBTM 11B	0.435		8.72	1482.4
	Rellenos	1.407		28.94	5097.4					
100720.000	SCemento-1	3.413		68.27	11458.4	AC32 BaseG	1.284		25.67	4346.8
	ZA	0.868		17.36	2814.5	SCemento-2	0.472		9.43	1519.6
	AC22 bin	1.031		20.64	3507.8	BBTM 11B	0.436		8.72	1491.2
	Rellenos	1.342		27.49	5124.9					

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 19
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
***** CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
100740.000	SCemento-1	3.414		68.27		11526.7		AC32 BaseG	1.284		25.68		4372.5	
	ZA	0.868		17.36		2831.9		SCemento-2	0.471		9.43		1529.0	
	AC22 bin	1.032		20.63		3528.4		BBTM 11B	0.435		8.72		1499.9	
	Rellenos	1.538		28.80		5153.7								
	SCemento-1	3.414		68.28		11595.0		AC32 BaseG	1.284		25.68		4398.1	
100760.000	ZA	0.868		17.36		2849.2		SCemento-2	0.472		9.44		1538.4	
	AC22 bin	1.030		20.63		3549.0		BBTM 11B	0.436		8.72		1508.6	
	Rellenos	1.537		30.75		5184.5								
	SCemento-1	3.414		68.27		11663.3		AC32 BaseG	1.284		25.67		4423.8	
	ZA	0.868		17.36		2866.6		SCemento-2	0.472		9.44		1547.9	
100780.000	AC22 bin	1.031		20.61		3569.6		BBTM 11B	0.436		8.73		1517.3	
	Rellenos	1.537		30.75		5215.2								
	SCemento-1	3.414		68.27		11731.5		AC32 BaseG	1.283		25.67		4449.5	
	ZA	0.868		17.35		2883.9		SCemento-2	0.472		9.44		1557.3	
	AC22 bin	1.031		20.62		3590.2		BBTM 11B	0.436		8.73		1526.0	
100800.000	Rellenos	1.538		30.75		5246.0								
	SCemento-1	3.414		68.27		11799.8		AC32 BaseG	1.283		25.67		4475.2	
	ZA	0.868		17.35		2901.3		SCemento-2	0.472		9.44		1566.8	
	AC22 bin	1.031		20.62		3610.9		BBTM 11B	0.436		8.73		1534.8	
	Rellenos	1.538		30.75		5276.7								
100820.000	SCemento-1	3.414		68.28		11868.1		AC32 BaseG	1.283		25.67		4500.8	
	ZA	0.868		17.36		2918.6		SCemento-2	0.471		9.43		1576.2	
	AC22 bin	1.033		20.64		3631.5		BBTM 11B	0.435		8.72		1543.5	
	Rellenos	1.536		30.74		5307.5								

100860.000	SCemento-1	3.401	68.15	11936.2	AC32 BaseG	1.282	25.66	4526.5
	ZA	0.872	17.40	2936.0	SCemento-2	0.483	9.54	1585.7
	AC22 bin	1.032	20.65	3652.2	BBTM 11B	0.436	8.71	1552.2
	Rellenos	1.500	30.36	5337.8				
	SCemento-1	3.375	67.76	12004.0	AC32 BaseG	1.281	25.63	4552.1
100880.000	ZA	0.880	17.52	2953.6	SCemento-2	0.505	9.87	1595.6
	AC22 bin	1.031	20.63	3672.8	BBTM 11B	0.437	8.73	1560.9
	Rellenos	1.433	29.33	5367.1				
	SCemento-1	3.363	67.37	12071.4	AC32 BaseG	1.281	25.62	4577.7
	ZA	0.885	17.66	2971.2	SCemento-2	0.518	10.22	1605.8
100900.000	AC22 bin	1.031	20.62	3693.4	BBTM 11B	0.436	8.73	1569.7
	Rellenos	1.393	28.26	5395.4				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 20
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100920.000	SCemento-1	2.552		59.15	12130.5	AC32 BaseG	1.140		24.21	4601.9
	ZA	0.886		17.71	2988.9	SCemento-2	0.520		10.38	1616.2
	AC22 bin	1.031		20.62	3714.0	BBTM 11B	0.436		8.72	1578.4
	Rellenos	1.379		27.72	5423.1					
100940.000	SCemento-1	2.300		48.52	12179.0	AC32 BaseG	1.090		22.30	4624.2
	ZA	0.887		17.73	3006.7	SCemento-2	0.522		10.42	1626.6
	AC22 bin	1.030		20.62	3734.7	BBTM 11B	0.435		8.71	1587.1
	Rellenos	1.369		27.48	5450.6					
100960.000	SCemento-1	2.407		47.07	12226.1	AC32 BaseG	1.090		21.81	4646.0
	ZA	0.888		17.74	3024.4	SCemento-2	0.524		10.46	1637.1
	AC22 bin	1.031		20.61	3755.3	BBTM 11B	0.437		8.72	1595.8
	Rellenos	1.362		27.31	5477.9					
100980.000	SCemento-1	2.524		49.31	12275.4	AC32 BaseG	1.120		22.10	4668.1
	ZA	0.889		17.76	3042.2	SCemento-2	0.527		10.51	1647.6
	AC22 bin	1.032		20.63	3775.9	BBTM 11B	0.436		8.73	1604.6
	Rellenos	1.357		27.19	5505.1					
101000.000	SCemento-1	2.655		51.79	12327.2	AC32 BaseG	1.169		22.89	4691.0
	ZA	0.889		17.77	3059.9	SCemento-2	0.528		10.55	1658.2
	AC22 bin	1.030		20.62	3796.5	BBTM 11B	0.437		8.73	1613.3
	Rellenos	1.350		27.07	5532.2					
101020.000	SCemento-1	3.345		60.01	12387.2	AC32 BaseG	1.281		24.50	4715.5
	ZA	0.888		17.77	3077.7	SCemento-2	0.528		10.56	1668.7
	AC22 bin	1.031		20.62	3817.1	BBTM 11B	0.436		8.73	1622.0
	Rellenos	1.341		26.91	5559.1					
101040.000	SCemento-1	2.718		60.63	12447.8	AC32 BaseG	1.717		29.98	4745.5
	ZA	0.887		17.75	3095.5	SCemento-2	0.528		10.56	1679.3
	AC22 bin	1.031		20.62	3837.8	BBTM 11B	0.436		8.72	1630.7
	Rellenos	1.333		26.74	5585.8					
101060.000	SCemento-1	3.341		60.59	12508.4	AC32 BaseG	1.280		29.97	4775.5
	ZA	0.887		17.74	3113.2	SCemento-2	0.528		10.56	1689.8
	AC22 bin	1.031		20.62	3858.4	BBTM 11B	0.437		8.73	1639.5
	Rellenos	1.333		26.66	5612.5					
101080.000	SCemento-1	3.339		66.80	12575.2	AC32 BaseG	1.281		25.60	4801.1
	ZA	0.887		17.73	3130.9	SCemento-2	0.528		10.56	1700.4
	AC22 bin	1.031		20.62	3879.0	BBTM 11B	0.436		8.73	1648.2
	Rellenos	1.326		26.59	5639.1					

101240.000	SCemento-1	3.339	66.79	13100.0	AC32 BaseG	1.279	25.59	5011.8
	ZA	1.021	20.41	3284.2	SCemento-2	0.528	10.56	1784.8
	AC22 bin	1.031	20.63	4044.1	BBTM 11B	0.437	8.72	1718.0
	Rellenos	2.569	49.53	5939.6				
101260.000	SCemento-1	3.340	66.79	13166.8	AC32 BaseG	1.280	25.59	5037.4
	ZA	1.021	20.41	3304.6	SCemento-2	0.528	10.56	1795.4
	AC22 bin	1.031	20.63	4064.7	BBTM 11B	0.436	8.73	1726.7
	Rellenos	2.384	49.53	5989.2				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 22

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
101280.000	SCemento-1	3.340	66.80	13233.6	AC32 BaseG	1.281	25.61	5063.0
	ZA	1.021	20.41	3325.0	SCemento-2	0.528	10.56	1805.9
	AC22 bin	1.032	20.63	4085.3	BBTM 11B	0.435	8.72	1735.4
	Rellenos	2.384	47.68	6036.9				
101300.000	SCemento-1	3.339	66.79	13300.4	AC32 BaseG	1.280	25.61	5088.6
	ZA	1.021	20.42	3345.4	SCemento-2	0.527	10.55	1816.5
	AC22 bin	1.032	20.64	4106.0	BBTM 11B	0.436	8.72	1744.1
	Rellenos	2.384	47.67	6084.5				
101320.000	SCemento-1	3.340	66.78	13367.2	AC32 BaseG	1.281	25.61	5114.2
	ZA	1.021	20.41	3365.8	SCemento-2	0.528	10.55	1827.1
	AC22 bin	1.031	20.63	4126.6	BBTM 11B	0.436	8.72	1752.9
	Rellenos	2.115	44.99	6129.5				
101340.000	SCemento-1	3.343	66.83	13434.0	AC32 BaseG	1.279	25.60	5139.8
	ZA	1.020	20.41	3386.2	SCemento-2	0.528	10.56	1837.6
	AC22 bin	1.031	20.62	4147.2	BBTM 11B	0.436	8.72	1761.6
	Rellenos	2.340	44.55	6174.1				
101360.000	SCemento-1	3.345	66.88	13500.9	AC32 BaseG	1.280	25.60	5165.4
	ZA	1.020	20.40	3406.6	SCemento-2	0.528	10.56	1848.2
	AC22 bin	1.031	20.62	4167.8	BBTM 11B	0.436	8.73	1770.3
	Rellenos	2.417	47.57	6221.6				
101380.000	SCemento-1	3.348	66.93	13567.8	AC32 BaseG	1.281	25.62	5191.0
	ZA	1.019	20.39	3427.0	SCemento-2	0.528	10.56	1858.7
	AC22 bin	1.031	20.62	4188.5	BBTM 11B	0.436	8.72	1779.0
	Rellenos	2.431	48.48	6270.1				
101400.000	SCemento-1	3.349	66.97	13634.8	AC32 BaseG	1.280	25.61	5216.6
	ZA	1.019	20.38	3447.4	SCemento-2	0.528	10.56	1869.3
	AC22 bin	1.033	20.64	4209.1	BBTM 11B	0.435	8.71	1787.7
	Rellenos	2.446	48.77	6318.9				
101420.000	SCemento-1	3.352	67.01	13701.8	AC32 BaseG	1.280	25.60	5242.2
	ZA	1.019	20.38	3467.8	SCemento-2	0.526	10.54	1879.8
	AC22 bin	1.031	20.64	4229.8	BBTM 11B	0.437	8.72	1796.5
	Rellenos	2.450	48.96	6367.8				
101440.000	SCemento-1	3.354	67.06	13768.9	AC32 BaseG	1.280	25.60	5267.8
	ZA	1.019	20.38	3488.2	SCemento-2	0.524	10.51	1890.3
	AC22 bin	1.031	20.62	4250.4	BBTM 11B	0.437	8.74	1805.2
	Rellenos	2.449	49.00	6416.8				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 23

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
101460.000	SCemento-1	3.356	67.10	13836.0	AC32 BaseG	1.281	25.61	5293.4
	ZA	1.018	20.37	3508.6	SCemento-2	0.522	10.47	1900.8
	AC22 bin	1.032	20.62	4271.0	BBTM 11B	0.435	8.73	1813.9
	Rellenos	2.165	46.15	6463.0				
101480.000	SCemento-1	3.359	67.15	13903.1	AC32 BaseG	1.281	25.62	5319.1
	ZA	1.012	20.30	3528.9	SCemento-2	0.521	10.44	1911.2
	AC22 bin	1.031	20.62	4291.6	BBTM 11B	0.436	8.71	1822.6
	Rellenos	1.931	40.96	6503.9				
101500.000	SCemento-1	3.361	67.20	13970.3	AC32 BaseG	1.280	25.61	5344.7
	ZA	0.855	18.67	3547.5	SCemento-2	0.518	10.39	1921.6
	AC22 bin	1.033	20.64	4312.3	BBTM 11B	0.436	8.72	1831.4
	Rellenos	1.617	35.48	6539.4				
101520.000	SCemento-1	3.364	67.26	14037.6	AC32 BaseG	1.281	25.61	5370.3
	ZA	0.879	17.34	3564.9	SCemento-2	0.514	10.32	1932.0
	AC22 bin	1.031	20.64	4332.9	BBTM 11B	0.437	8.73	1840.1
	Rellenos	1.625	32.42	6571.8				
101540.000	SCemento-1	3.391	67.56	14105.1	AC32 BaseG	1.281	25.62	5395.9
	ZA	0.860	17.39	3582.2	SCemento-2	0.492	10.06	1942.0
	AC22 bin	1.032	20.63	4353.5	BBTM 11B	0.437	8.74	1848.8
	Rellenos	1.145	27.70	6599.5				
101560.000	SCemento-1	3.415	68.06	14173.2	AC32 BaseG	1.284	25.65	5421.6
	ZA	0.836	16.96	3599.2	SCemento-2	0.472	9.64	1951.6
	AC22 bin	1.031	20.63	4374.2	BBTM 11B	0.436	8.73	1857.6
	Rellenos	1.334	24.79	6624.3				
101580.000	SCemento-1	3.415	68.30	14241.5	AC32 BaseG	1.284	25.68	5447.2
	ZA	0.852	16.88	3616.1	SCemento-2	0.471	9.43	1961.1
	AC22 bin	1.032	20.62	4394.8	BBTM 11B	0.436	8.72	1866.3
	Rellenos	1.404	27.38	6651.7				
101600.000	SCemento-1	3.416	68.32	14309.8	AC32 BaseG	1.285	25.69	5472.9
	ZA	0.867	17.19	3633.3	SCemento-2	0.470	9.42	1970.5
	AC22 bin	1.031	20.63	4415.4	BBTM 11B	0.436	8.72	1875.0
	Rellenos	1.409	28.13	6679.9				

101620.000	SCemento-1	3.416	68.33	14378.1	AC32 BaseG	1.284	25.69	5498.6
	ZA	0.867	17.34	3650.6	SCemento-2	0.469	9.40	1979.9
	AC22 bin	1.031	20.62	4436.0	BBTM 11B	0.436	8.72	1883.7
	Rellenos	1.394	28.03	6707.9				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 24

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
101640.000	SCemento-1	3.418	68.34	14446.5	AC32 BaseG	1.284	25.68	5524.3
	ZA	0.867	17.33	3668.0	SCemento-2	0.469	9.38	1989.3
	AC22 bin	1.031	20.62	4456.6	BBTM 11B	0.436	8.73	1892.4
	Rellenos	1.385	27.79	6735.7				
101660.000	SCemento-1	3.419	68.37	14514.8	AC32 BaseG	1.284	25.68	5550.0
	ZA	0.866	17.33	3685.3	SCemento-2	0.468	9.37	1998.6
	AC22 bin	1.032	20.63	4477.3	BBTM 11B	0.436	8.72	1901.2
	Rellenos	1.386	27.71	6763.4				
101680.000	SCemento-1	3.419	68.38	14583.2	AC32 BaseG	1.285	25.68	5575.7
	ZA	0.866	17.32	3702.6	SCemento-2	0.467	9.35	2008.0
	AC22 bin	1.031	20.62	4497.9	BBTM 11B	0.436	8.72	1909.9
	Rellenos	1.398	27.84	6791.2				
101700.000	SCemento-1	3.420	68.39	14651.6	AC32 BaseG	1.284	25.68	5601.3
	ZA	0.866	17.32	3719.9	SCemento-2	0.467	9.33	2017.3
	AC22 bin	1.031	20.62	4518.5	BBTM 11B	0.436	8.72	1918.6
	Rellenos	1.423	28.21	6819.4				
101720.000	SCemento-1	3.420	68.40	14720.0	AC32 BaseG	1.285	25.69	5627.0
	ZA	1.009	18.75	3738.7	SCemento-2	0.466	9.33	2026.7
	AC22 bin	1.030	20.61	4539.1	BBTM 11B	0.436	8.72	1927.3
	Rellenos	2.376	37.99	6857.4				
101740.000	SCemento-1	2.050	54.71	14774.7	AC32 BaseG	1.315	26.00	5653.0
	ZA	1.009	20.18	3758.8	SCemento-2	0.466	9.32	2036.0
	AC22 bin	1.030	20.61	4559.7	BBTM 11B	0.436	8.72	1936.1
	Rellenos	2.417	47.92	6905.4				
101760.000	SCemento-1	3.527	55.77	14830.5	AC32 BaseG	1.326	26.40	5679.4
	ZA	1.009	20.17	3779.0	SCemento-2	0.465	9.31	2045.3
	AC22 bin	1.060	20.91	4580.6	BBTM 11B	0.449	8.85	1944.9
	Rellenos	2.421	48.37	6953.7				
101780.000	SCemento-1	3.659	71.86	14902.3	AC32 BaseG	1.377	27.02	5706.5
	ZA	1.009	20.17	3799.2	SCemento-2	0.463	9.28	2054.6
	AC22 bin	1.096	21.56	4602.2	BBTM 11B	0.465	9.15	1954.1
	Rellenos	2.419	48.39	7002.1				
101800.000	SCemento-1	3.789	74.48	14976.8	AC32 BaseG	1.429	28.05	5734.5
	ZA	1.008	20.17	3819.4	SCemento-2	0.462	9.26	2063.8
	AC22 bin	1.133	22.29	4624.5	BBTM 11B	0.481	9.46	1963.5
	Rellenos	2.416	48.35	7050.5				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 25

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
* * * CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

101820.000	SCemento-1		3.919		77.08		15053.9	AC32 BaseG		1.482		29.10		5763.6
	ZA		1.009		20.17		3839.5	SCemento-2		0.462		9.24		2073.1
	AC22 bin		1.169		23.02		4647.5	BBTM 11B		0.496		9.77		1973.3
	Rellenos		2.224		46.40		7096.9							
101840.000	SCemento-1		4.050		79.69		15133.6	AC32 BaseG		1.534		30.15		5793.8
	ZA		1.008		20.17		3859.7	SCemento-2		0.461		9.23		2082.3
	AC22 bin		1.205		23.75		4671.3	BBTM 11B		0.511		10.07		1983.4
	Rellenos		2.122		43.46		7140.3							
101860.000	SCemento-1		4.180		82.29		15215.9	AC32 BaseG		1.584		31.18		5824.9
	ZA		0.948		19.56		3879.3	SCemento-2		0.461		9.22		2091.5
	AC22 bin		1.243		24.49		4695.7	BBTM 11B		0.526		10.36		1993.7
	Rellenos		1.995		41.16		7181.5							
101880.000	SCemento-1		4.302		84.81		15300.7	AC32 BaseG		1.633		32.17		5857.1
	ZA		0.887		18.35		3897.6	SCemento-2		0.461		9.22		2100.7
	AC22 bin		1.276		25.20		4720.9	BBTM 11B		0.542		10.68		2004.4
	Rellenos		1.895		38.90		7220.4							
101900.000	SCemento-1		4.302		86.04		15386.7	AC32 BaseG		1.634		32.66		5889.8
	ZA		0.848		17.35		3915.0	SCemento-2		0.460		9.22		2109.9
	AC22 bin		1.277		25.53		4746.5	BBTM 11B		0.541		10.83		2015.2
	Rellenos		1.813		37.08		7257.5							
101920.000	SCemento-1		3.557		78.59		15465.3	AC32 BaseG		2.141		37.74		5927.5
	ZA		0.831		16.79		3931.8	SCemento-2		0.461		9.21		2119.2
	AC22 bin		1.276		25.53		4772.0	BBTM 11B		0.542		10.83		2026.0
	Rellenos		1.776		35.89		7293.4							
101940.000	SCemento-1		3.646		72.03		15537.4	AC32 BaseG		2.063		42.03		5969.6
	ZA		0.835		16.66		3948.4	SCemento-2		0.461		9.21		2128.4
	AC22 bin		1.276		25.51		4797.5	BBTM 11B		0.541		10.83		2036.9
	Rellenos		1.787		35.63		7329.0							
101960.000	SCemento-1		3.725		73.71		15611.1	AC32 BaseG		1.997		40.60		6010.2
	ZA		0.862		16.97		3965.4	SCemento-2		0.461		9.22		2137.6
	AC22 bin		1.277		25.53		4823.0	BBTM 11B		0.541		10.82		2047.7
	Rellenos		1.842		36.28		7365.3							
101980.000	SCemento-1		3.581		73.07		15684.1	AC32 BaseG		2.106		41.04		6051.2
	ZA		0.910		17.72		3983.1	SCemento-2		0.461		9.22		2146.8
	AC22 bin		1.276		25.53		4848.6	BBTM 11B		0.542		10.83		2058.5
	Rellenos		1.936		37.78		7403.1							

Istram 18.05.05.29 17/07/18 18:00:33 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

pagina 26

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102000.000	SCemento-1	3.182	67.63	15751.8	AC32 BaseG	2.419	45.25	6096.4	
	ZA	0.981	18.91	4002.0	SCemento-2	0.460	9.22	2156.0	
	AC22 bin	1.277	25.53	4874.1	BBTM 11B	0.541	10.83	2069.4	
	Rellenos	2.044	39.81	7442.9					
102020.000	SCemento-1	3.541	67.23	15819.0	AC32 BaseG	2.179	45.98	6142.4	
	ZA	0.996	19.77	4021.8	SCemento-2	0.462	9.22	2165.2	
	AC22 bin	1.276	25.53	4899.6	BBTM 11B	0.542	10.83	2080.2	
	Rellenos	2.042	40.86	7483.7					
102040.000	SCemento-1	3.658	71.99	15891.0	AC32 BaseG	1.688	38.67	6181.1	
	ZA	1.008	20.05	4041.8	SCemento-2	0.461	9.22	2174.5	
	AC22 bin	1.276	25.51	4925.1	BBTM 11B	0.541	10.83	2091.0	
	Rellenos	2.363	44.05	7527.8					
102060.000	SCemento-1	3.427	70.85	15961.8	AC32 BaseG	1.285	29.73	6210.8	
	ZA	1.008	20.17	4062.0	SCemento-2	0.461	9.22	2183.7	
	AC22 bin	1.032	23.07	4948.2	BBTM 11B	0.436	9.78	2100.8	
	Rellenos	2.380	47.43	7575.2					
102080.000	SCemento-1	3.428	68.55	16030.4	AC32 BaseG	1.283	25.68	6236.5	
	ZA	1.008	20.16	4082.2	SCemento-2	0.461	9.22	2192.9	
	AC22 bin	1.031	20.63	4968.8	BBTM 11B	0.437	8.73	2109.5	
	Rellenos	2.385	47.64	7622.8					
102100.000	SCemento-1	3.427	68.54	16098.9	AC32 BaseG	1.285	25.68	6262.2	
	ZA	1.008	20.16	4102.3	SCemento-2	0.461	9.22	2202.1	
	AC22 bin	1.032	20.63	4989.5	BBTM 11B	0.436	8.73	2118.3	
	Rellenos	2.306	46.91	7669.8					
102120.000	SCemento-1	3.427	68.53	16167.5	AC32 BaseG	1.285	25.69	6287.9	
	ZA	1.008	20.17	4122.5	SCemento-2	0.461	9.21	2211.3	
	AC22 bin	1.032	20.63	5010.1	BBTM 11B	0.436	8.71	2127.0	
	Rellenos	2.222	45.28	7715.0					
102140.000	SCemento-1	3.427	68.54	16236.0	AC32 BaseG	1.284	25.69	6313.6	
	ZA	1.008	20.17	4142.7	SCemento-2	0.461	9.21	2220.5	
	AC22 bin	1.031	20.62	5030.7	BBTM 11B	0.436	8.72	2135.7	
	Rellenos	2.163	43.85	7758.9					
102160.000	SCemento-1	3.427	68.54	16304.5	AC32 BaseG	1.285	25.69	6339.2	
	ZA	1.008	20.17	4162.8	SCemento-2	0.461	9.21	2229.8	
	AC22 bin	1.032	20.62	5051.3	BBTM 11B	0.436	8.73	2144.4	
	Rellenos	2.142	43.05	7801.9					

Istram 18.05.05.29 17/07/18 18:00:33 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

pagina 27

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102180.000	SCemento-1	3.428	68.55	16373.1	AC32 BaseG	1.283	25.68	6364.9	
	ZA	1.008	20.16	4183.0	SCemento-2	0.461	9.22	2239.0	
	AC22 bin	1.031	20.63	5072.0	BBTM 11B	0.437	8.73	2153.2	
	Rellenos	1.850	39.92	7841.8					
102200.000	SCemento-1	3.427	68.55	16441.6	AC32 BaseG	1.285	25.68	6390.6	
	ZA	1.008	20.16	4203.2	SCemento-2	0.461	9.22	2248.2	
	AC22 bin	1.031	20.62	5092.6	BBTM 11B	0.436	8.73	2161.9	
	Rellenos	2.222	40.71	7882.6					
102220.000	SCemento-1	3.427	68.54	16510.2	AC32 BaseG	1.284	25.69	6416.3	
	ZA	1.008	20.16	4223.3	SCemento-2	0.461	9.21	2257.4	
	AC22 bin	1.031	20.62	5113.2	BBTM 11B	0.436	8.73	2170.6	
	Rellenos	2.305	45.26	7927.8					
102240.000	SCemento-1	2.630	60.57	16570.7	AC32 BaseG	1.857	31.41	6447.7	
	ZA	1.001	20.09	4243.4	SCemento-2	0.461	9.21	2266.6	
	AC22 bin	1.032	20.62	5133.8	BBTM 11B	0.436	8.73	2179.3	
	Rellenos	1.744	40.48	7968.3					
102260.000	SCemento-1	2.409	50.39	16621.1	AC32 BaseG	2.016	38.74	6486.4	
	ZA	0.808	18.09	4261.5	SCemento-2	0.461	9.22	2275.8	
	AC22 bin	1.031	20.63	5154.5	BBTM 11B	0.436	8.72	2188.1	
	Rellenos	1.472	32.15	8000.5					
102280.000	SCemento-1	2.608	50.17	16671.3	AC32 BaseG	1.348	33.65	6520.1	
	ZA	0.807	16.15	4277.6	SCemento-2	0.461	9.22	2285.1	
	AC22 bin	1.032	20.63	5175.1	BBTM 11B	0.436	8.72	2196.8	
	Rellenos	1.475	29.47	8029.9					
102300.000	SCemento-1	1.839	44.47	16715.8	AC32 BaseG	1.350	26.98	6547.1	
	ZA	1.002	18.10	4295.7	SCemento-2	0.461	9.21	2294.3	
	AC22 bin	1.032	20.63	5195.7	BBTM 11B	0.436	8.72	2205.5	
	Rellenos	1.766	32.41	8062.3					
102320.000	SCemento-1	1.803	36.42	16752.2	AC32 BaseG	1.184	25.34	6572.4	
	ZA	0.994	19.96	4315.7	SCemento-2	0.461	9.22	2303.5	
	AC22 bin	1.031	20.63	5216.4	BBTM 11B	0.437	8.73	2214.2	
	Rellenos	1.493	32.59	8094.9					
102340.000	SCemento-1	2.085	38.88	16791.1	AC32 BaseG	1.243	24.27	6596.7	
	ZA	0.765	17.59	4333.3	SCemento-2	0.461	9.22	2312.7	
	AC22 bin	1.032	20.63	5237.0	BBTM 11B	0.436	8.73	2223.0	
	Rellenos	1.050	25.42	8120.4					

Istram 18.05.05.29 17/07/18 18:00:33 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.

pagina 28

Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102360.000	SCemento-1	2.453	45.38	16836.4	AC32 BaseG	1.181	24.24	6620.9	
	ZA	0.760	15.26	4348.6	SCemento-2	0.461	9.21	2321.9	
	AC22 bin	1.032	20.63	5257.6	BBTM 11B	0.436	8.72	2231.7	
	Rellenos	1.116	21.66	8142.0					
102380.000	SCemento-1	3.428	58.80	16895.2	AC32 BaseG	1.283	24.64	6645.5	
	ZA	0.771	15.32	4363.9	SCemento-2	0.461	9.21	2331.1	
	AC22 bin	1.032	20.63	5278.3	BBTM 11B	0.436	8.72	2240.4	
	Rellenos	1.126	22.42	8164.4					
102400.000	SCemento-1	3.428	58.55	16963.8	AC32 BaseG	1.283	25.66	6671.2	
	ZA	0.733	15.04	4378.9	SCemento-2	0.461	9.22	2340.3	
	AC22 bin	1.031	20.63	5298.9	BBTM 11B	0.437	8.73	2249.1	
	Rellenos	0.995	21.21	8185.6					
102420.000	SCemento-1	3.427	68.54	17032.3	AC32 BaseG	1.284	25.67	6696.9	
	ZA	0.726	14.59	4393.5	SCemento-2	0.461	9.22	2349.6	
	AC22 bin	1.031	20.63	5319.5	BBTM 11B	0.436	8.73	2257.9	
	Rellenos	1.062	20.56	8206.2					
102440.000	SCemento-1	3.428	68.55	17100.9	AC32 BaseG	1.282	25.66	6722.5	
	ZA	0.727	14.53	4408.0	SCemento-2	0.461	9.22	2358.8	
	AC22 bin	1.031	20.63	5340.1	BBTM 11B	0.437	8.73	2266.6	
	Rellenos	1.085	21.47	8227.7					
102460.000	SCemento-1	3.428	68.55	17169.4	AC32 BaseG	1.283	25.65	6748.2	
	ZA	0.720	14.47	4422.5	SCemento-2	0.461	9.22	2368.0	
	AC22 bin	1.031	20.62	5360.8	BBTM 11B	0.437	8.74	2275.3	
	Rellenos	0.888	19.72	8247.4					
102480.000	SCemento-1	3.427	68.54	17238.0	AC32 BaseG	1.285	25.68	6773.9	
	ZA	0.705	14.25	4436.7	SCemento-2	0.461	9.22	2377.2	
	AC22 bin	1.032	20.63	5381.4	BBTM 11B	0.436	8.72	2284.0	
	Rellenos	0.848	17.35	8264.8					
102500.000	SCemento-1	3.428	68.54	17306.5	AC32 BaseG	1.285	25.69	6799.6	
	ZA	0.524	12.29	4449.0	SCemento-2	0.461	9.21	2386.4	
	AC22 bin	1.032	20.64	5402.0	BBTM 11B	0.436	8.71	2292.8	
	Rellenos	0.607	14.55	8279.3					
102520.000	SCemento-1	3.427	68.54	17375.1	AC32 BaseG	1.285	25.69	6825.3	
	ZA	0.551	10.75	4459.8	SCemento-2	0.461	9.22	2395.6	
	AC22 bin	1.032	20.63	5422.7	BBTM 11B	0.436	8.71	2301.5	
	Rellenos	0.628	12.35	8291.7					

Istram 18.05.05.29 17/07/18 18:00:33 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

pagina 29

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102540.000	SCemento-1	3.427	68.54	17443.6	AC32 BaseG	1.285	25.69	6850.9	
	ZA	0.625	11.77	4471.6	SCemento-2	0.461	9.22	2404.9	
	AC22 bin	1.032	20.63	5443.3	BBTM 11B	0.436	8.72	2310.2	
	Rellenos	0.741	13.69	8305.3					
102560.000	SCemento-1	3.427	68.54	17512.2	AC32 BaseG	1.285	25.69	6876.6	
	ZA	0.715	13.40	4485.0	SCemento-2	0.461	9.21	2414.1	
	AC22 bin	1.032	20.63	5463.9	BBTM 11B	0.436	8.72	2318.9	
	Rellenos	0.939	16.80	8322.1					
102580.000	SCemento-1	3.428	68.55	17580.7	AC32 BaseG	1.282	25.67	6902.3	
	ZA	0.826	15.40	4500.4	SCemento-2	0.461	9.21	2423.3	
	AC22 bin	1.031	20.63	5484.6	BBTM 11B	0.437	8.73	2327.6	
	Rellenos	1.123	20.61	8342.8					

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
102720.000	SCemento-1	4.302	86.04	18139.2	AC32 BaseG	1.634	32.67	7113.5	
	ZA	0.846	17.08	4618.2	SCemento-2	0.460	9.21	2487.8	
	AC22 bin	1.277	25.54	5651.0	BBTM 11B	0.541	10.82	2398.2	
	Rellenos	1.164	23.49	8517.8					
102740.000	SCemento-1	4.301	86.03	18225.2	AC32 BaseG	1.636	32.69	7146.2	
	ZA	0.811	16.58	4634.7	SCemento-2	0.461	9.21	2497.0	
	AC22 bin	1.276	25.53	5676.6	BBTM 11B	0.541	10.82	2409.0	
	Rellenos	1.142	23.06	8540.9					
102760.000	SCemento-1	4.302	86.03	18311.3	AC32 BaseG	1.635	32.70	7178.9	
	ZA	0.976	17.87	4652.6	SCemento-2	0.461	9.21	2506.2	
	AC22 bin	1.277	25.53	5702.1	BBTM 11B	0.540	10.82	2419.8	
	Rellenos	1.398	25.41	8566.3					
102780.000	SCemento-1	4.301	86.03	18397.3	AC32 BaseG	1.636	32.70	7211.6	
	ZA	0.830	18.07	4670.7	SCemento-2	0.461	9.21	2515.4	
	AC22 bin	1.275	25.53	5727.6	BBTM 11B	0.542	10.82	2430.6	
	Rellenos	1.126	25.25	8591.5					
102800.000	SCemento-1	4.302	86.03	18483.3	AC32 BaseG	1.633	32.68	7244.3	
	ZA	0.826	16.57	4687.2	SCemento-2	0.461	9.22	2524.7	
	AC22 bin	1.277	25.52	5753.1	BBTM 11B	0.541	10.83	2441.5	
	Rellenos	1.121	22.47	8614.0					
102820.000	SCemento-1	4.302	86.04	18569.4	AC32 BaseG	1.634	32.66	7276.9	
	ZA	0.825	16.51	4703.8	SCemento-2	0.461	9.22	2533.9	
	AC22 bin	1.277	25.54	5778.7	BBTM 11B	0.541	10.82	2452.3	
	Rellenos	1.119	22.39	8636.4					
102840.000	SCemento-1	4.301	86.03	18655.4	AC32 BaseG	1.635	32.69	7309.6	
	ZA	0.825	16.50	4720.3	SCemento-2	0.461	9.21	2543.1	
	AC22 bin	1.276	25.53	5804.2	BBTM 11B	0.541	10.82	2463.1	
	Rellenos	1.119	22.38	8658.8					
102860.000	SCemento-1	4.248	85.50	18740.9	AC32 BaseG	1.613	32.49	7342.1	
	ZA	0.826	16.52	4736.8	SCemento-2	0.461	9.21	2552.3	
	AC22 bin	1.262	25.38	5829.6	BBTM 11B	0.535	10.76	2473.9	
	Rellenos	1.120	22.40	8681.2					
102880.000	SCemento-1	4.119	83.67	18824.6	AC32 BaseG	1.563	31.76	7373.9	
	ZA	0.827	16.53	4753.3	SCemento-2	0.461	9.21	2561.5	
	AC22 bin	1.224	24.86	5854.5	BBTM 11B	0.519	10.54	2484.4	
	Rellenos	1.122	22.42	8703.6					

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 31
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
102900.000	SCemento-1	3.989	81.08	18905.6	AC32 BaseG	1.509	30.72	7404.6	
	ZA	0.828	16.55	4769.9	SCemento-2	0.461	9.22	2570.7	
	AC22 bin	1.189	24.13	5878.6	BBTM 11B	0.504	10.23	2494.6	
	Rellenos	1.123	22.45	8726.1					
102920.000	SCemento-1	3.860	78.49	18984.1	AC32 BaseG	1.458	29.67	7434.2	
	ZA	0.829	16.58	4786.4	SCemento-2	0.461	9.21	2579.9	
	AC22 bin	1.153	23.42	5902.0	BBTM 11B	0.487	9.91	2504.5	
	Rellenos	1.125	22.49	8748.5					
102940.000	SCemento-1	3.730	75.90	19060.0	AC32 BaseG	1.406	28.64	7462.9	
	ZA	0.831	16.61	4803.0	SCemento-2	0.461	9.22	2589.2	
	AC22 bin	1.117	22.70	5924.7	BBTM 11B	0.471	9.59	2514.1	
	Rellenos	1.127	22.52	8771.1					
102960.000	SCemento-1	3.601	73.31	19133.3	AC32 BaseG	1.353	27.59	7490.5	
	ZA	0.833	16.64	4819.7	SCemento-2	0.461	9.22	2598.4	
	AC22 bin	1.079	21.96	5946.7	BBTM 11B	0.458	9.29	2523.4	
	Rellenos	1.129	22.56	8793.6					
102980.000	SCemento-1	3.471	70.72	19204.0	AC32 BaseG	1.302	26.55	7517.0	
	ZA	0.834	16.67	4836.3	SCemento-2	0.461	9.22	2607.6	
	AC22 bin	1.043	21.22	5967.9	BBTM 11B	0.442	9.00	2532.4	
	Rellenos	1.131	22.60	8816.2					
103000.000	SCemento-1	3.427	68.98	19273.0	AC32 BaseG	1.284	25.86	7542.9	
	ZA	0.836	16.70	4853.1	SCemento-2	0.461	9.22	2616.8	
	AC22 bin	1.032	20.74	5988.6	BBTM 11B	0.436	8.78	2541.2	
	Rellenos	1.134	22.65	8838.9					
103020.000	SCemento-1	3.427	68.54	19341.6	AC32 BaseG	1.285	25.69	7568.6	
	ZA	0.838	16.75	4869.8	SCemento-2	0.461	9.21	2626.0	
	AC22 bin	1.032	20.64	6009.3	BBTM 11B	0.436	8.72	2549.9	
	Rellenos	1.136	22.70	8861.6					
103040.000	SCemento-1	3.426	68.53	19410.1	AC32 BaseG	1.285	25.70	7594.3	
	ZA	0.841	16.79	4886.6	SCemento-2	0.461	9.21	2635.2	
	AC22 bin	1.031	20.63	6029.9	BBTM 11B	0.436	8.72	2558.6	
	Rellenos	1.139	22.75	8884.3					
103060.000	SCemento-1	3.427	68.53	19478.6	AC32 BaseG	1.284	25.69	7620.0	
	ZA	0.988	18.28	4904.9	SCemento-2	0.461	9.21	2644.5	
	AC22 bin	1.032	20.62	6050.5	BBTM 11B	0.437	8.73	2567.4	
	Rellenos	2.049	31.88	8916.2					

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 32
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103080.000	SCemento-1	3.427	68.54	19547.2	AC32 BaseG	1.284	25.68	7645.7	

103100.000	ZA	0.990	19.78	4924.7	SCemento-2	0.460	9.21	2653.7	
	AC22 bin	1.031	20.63	6071.1	BBTM 11B	0.436	8.73	2576.1	
	Rellenos	2.052	41.01	8957.2					
	SCemento-1	3.427	68.54	19615.7	AC32 BaseG	1.284	25.68	7671.3	
103120.000	ZA	0.993	19.83	4944.5	SCemento-2	0.461	9.21	2662.9	
	AC22 bin	1.032	20.63	6091.8	BBTM 11B	0.436	8.72	2584.8	
	Rellenos	1.613	36.65	8993.9					
	SCemento-1	3.427	68.54	19684.3	AC32 BaseG	1.285	25.69	7697.0	
103140.000	ZA	0.851	18.44	4962.9	SCemento-2	0.461	9.22	2672.1	
	AC22 bin	1.032	20.64	6112.4	BBTM 11B	0.436	8.72	2593.5	
	Rellenos	1.152	27.66	9021.5					
	SCemento-1	3.427	68.54	19752.8	AC32 BaseG	1.285	25.69	7722.7	
103160.000	ZA	0.854	17.06	4980.0	SCemento-2	0.461	9.22	2681.3	
	AC22 bin	1.031	20.63	6133.0	BBTM 11B	0.435	8.71	2602.2	
	Rellenos	1.157	23.09	9044.6					
	SCemento-1	3.427	68.54	19821.3	AC32 BaseG	1.284	25.69	7748.4	
103180.000	ZA	0.857	17.11	4997.1	SCemento-2	0.462	9.23	2690.5	
	AC22 bin	1.030	20.61	6153.7	BBTM 11B	0.436	8.72	2610.9	
	Rellenos	1.160	23.17	9067.8					
	SCemento-1	3.426	68.52	19889.9	AC32 BaseG	1.284	25.68	7774.1	
103200.000	ZA	0.859	17.15	5014.2	SCemento-2	0.462	9.24	2699.8	
	AC22 bin	1.031	20.61	6174.3	BBTM 11B	0.436	8.73	2619.7	
	Rellenos	1.163	23.23	9091.0					
	SCemento-1	2.434	58.60	19948.5	AC32 BaseG	1.993	32.77	7806.9	
103220.000	ZA	0.860	17.19	5031.4	SCemento-2	0.463	9.25	2709.0	
	AC22 bin	1.032	20.63	6194.9	BBTM 11B	0.436	8.72	2628.4	
	Rellenos	1.165	23.28	9114.3					
	SCemento-1	3.423	58.57	20007.0	AC32 BaseG	1.285	32.78	7839.6	
103240.000	ZA	0.862	17.22	5048.7	SCemento-2	0.464	9.26	2718.3	
	AC22 bin	1.031	20.64	6215.5	BBTM 11B	0.436	8.72	2637.1	
	Rellenos	1.169	23.34	9137.7					
	SCemento-1	3.424	68.47	20075.5	AC32 BaseG	1.284	25.69	7865.3	
103260.000	ZA	0.863	17.25	5065.9	SCemento-2	0.464	9.28	2727.6	
	AC22 bin	1.032	20.63	6236.2	BBTM 11B	0.435	8.71	2645.8	
	Rellenos	1.171	23.40	9161.0					

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 33
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103260.000	SCemento-1	3.422	68.46	20144.0	AC32 BaseG	1.284	25.68	7891.0	
	ZA	0.864	17.27	5083.2	SCemento-2	0.465	9.29	2736.9	
	AC22 bin	1.032	20.63	6256.8	BBTM 11B	0.436	8.71	2654.5	
	Rellenos	1.174	23.45	9184.5					
103280.000	SCemento-1	3.422	68.44	20212.4	AC32 BaseG	1.284	25.68	7916.7	
	ZA	0.865	17.28	5100.5	SCemento-2	0.467	9.32	2746.2	
	AC22 bin	1.030	20.62	6277.4	BBTM 11B	0.437	8.73	2663.3	
	Rellenos	1.177	23.51	9208.0					
103300.000	SCemento-1	3.420	68.42	20280.8	AC32 BaseG	1.283	25.66	7942.3	
	ZA	0.865	17.30	5117.8	SCemento-2	0.466	9.33	2755.5	
	AC22 bin	1.033	20.63	6298.1	BBTM 11B	0.435	8.72	2672.0	
	Rellenos	1.179	23.56	9231.6					
103320.000	SCemento-1	3.419	68.40	20349.2	AC32 BaseG	1.284	25.67	7968.0	
	ZA	0.866	17.31	5135.1	SCemento-2	0.468	9.34	2764.9	
	AC22 bin	1.031	20.63	6318.7	BBTM 11B	0.435	8.71	2680.7	
	Rellenos	1.182	23.61	9255.2					
103340.000	SCemento-1	3.418	68.37	20417.6	AC32 BaseG	1.285	25.68	7993.7	
	ZA	0.867	17.33	5152.4	SCemento-2	0.468	9.36	2774.2	
	AC22 bin	1.031	20.62	6339.3	BBTM 11B	0.436	8.71	2689.4	
	Rellenos	1.184	23.66	9278.8					
103360.000	SCemento-1	3.418	68.36	20485.9	AC32 BaseG	1.284	25.69	8019.4	
	ZA	0.867	17.33	5169.7	SCemento-2	0.469	9.36	2783.6	
	AC22 bin	1.031	20.62	6359.9	BBTM 11B	0.437	8.73	2698.1	
	Rellenos	1.186	23.70	9302.5					
103380.000	SCemento-1	3.416	68.34	20554.3	AC32 BaseG	1.284	25.68	8045.1	
	ZA	0.866	17.33	5187.1	SCemento-2	0.470	9.38	2793.0	
	AC22 bin	1.030	20.61	6380.5	BBTM 11B	0.436	8.73	2706.9	
	Rellenos	1.187	23.73	9326.3					
103400.000	SCemento-1	3.416	68.32	20622.6	AC32 BaseG	1.283	25.67	8070.7	
	ZA	0.860	17.27	5204.3	SCemento-2	0.470	9.40	2802.4	
	AC22 bin	1.032	20.62	6401.2	BBTM 11B	0.436	8.72	2715.6	
	Rellenos	1.188	23.75	9350.0					
103420.000	SCemento-1	3.416	68.32	20690.9	AC32 BaseG	1.283	25.66	8096.4	
	ZA	0.854	17.14	5221.5	SCemento-2	0.471	9.41	2811.8	
	AC22 bin	1.032	20.64	6421.8	BBTM 11B	0.437	8.73	2724.3	
	Rellenos	1.188	23.76	9373.8					

103480.000	ZA	0.851	17.18	5255.9	SCemento-2	0.472	9.43	2830.6
	AC22 bin	1.031	20.62	6463.0	BBTM 11B	0.436	8.73	2741.8
	Rellenos	1.139	23.16	9420.6				
103500.000	SCemento-1	3.413	68.27	20895.7	AC32 BaseG	1.284	25.68	8173.4
	ZA	0.829	16.79	5272.6	SCemento-2	0.472	9.43	2840.1
	AC22 bin	1.031	20.62	6483.7	BBTM 11B	0.436	8.73	2750.5
103520.000	Rellenos	1.112	22.51	9443.1				
	SCemento-1	3.414	68.27	20964.0	AC32 BaseG	1.283	25.67	8199.1
	ZA	0.970	17.99	5290.6	SCemento-2	0.471	9.43	2849.5
103540.000	AC22 bin	1.033	20.64	6504.3	BBTM 11B	0.435	8.72	2759.2
	Rellenos	2.043	31.55	9474.6				
	SCemento-1	3.414	68.28	21032.3	AC32 BaseG	1.282	25.65	8224.7
103560.000	ZA	0.969	19.39	5310.0	SCemento-2	0.472	9.43	2858.9
	AC22 bin	1.032	20.65	6524.9	BBTM 11B	0.437	8.72	2767.9
	Rellenos	2.042	40.85	9515.5				
103580.000	SCemento-1	3.414	68.28	21100.6	AC32 BaseG	1.284	25.66	8250.4
	ZA	0.969	19.38	5329.4	SCemento-2	0.471	9.43	2868.4
	AC22 bin	1.031	20.63	6545.6	BBTM 11B	0.436	8.73	2776.7
103600.000	Rellenos	2.041	40.83	9556.3				
	SCemento-1	3.413	68.27	21168.8	AC32 BaseG	1.284	25.68	8276.1
	ZA	0.968	19.37	5348.8	SCemento-2	0.472	9.43	2877.8
103620.000	AC22 bin	1.031	20.63	6566.2	BBTM 11B	0.436	8.73	2785.4
	Rellenos	2.040	40.81	9597.1				
	SCemento-1	3.414	68.27	21237.1	AC32 BaseG	1.282	25.66	8301.7
103640.000	ZA	0.968	19.36	5368.1	SCemento-2	0.472	9.44	2887.2
	AC22 bin	1.032	20.63	6586.8	BBTM 11B	0.437	8.73	2794.1
	Rellenos	2.040	40.80	9637.9				
103660.000	SCemento-1	3.414	68.28	21305.4	AC32 BaseG	1.283	25.65	8327.4
	ZA	0.967	19.35	5387.5	SCemento-2	0.472	9.44	2896.7
	AC22 bin	1.031	20.63	6607.5	BBTM 11B	0.436	8.73	2802.9
	Rellenos	2.039	40.79	9678.7				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 35
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
103620.000	SCemento-1	3.414	68.28	21373.7	AC32 BaseG	1.284	25.67	8353.1
	ZA	0.966	19.33	5406.8	SCemento-2	0.471	9.44	2906.1
	AC22 bin	1.032	20.63	6628.1	BBTM 11B	0.435	8.72	2811.6
103640.000	Rellenos	2.038	40.77	9719.5				
	SCemento-1	3.414	68.27	21441.9	AC32 BaseG	1.284	25.68	8378.7
	ZA	0.966	19.32	5426.1	SCemento-2	0.472	9.44	2915.6
103660.000	AC22 bin	1.031	20.63	6648.7	BBTM 11B	0.436	8.72	2820.3
	Rellenos	2.037	40.76	9760.2				
	SCemento-1	3.414	68.27	21510.2	AC32 BaseG	1.283	25.67	8404.4
103680.000	ZA	0.823	17.89	5444.0	SCemento-2	0.472	9.45	2925.0
	AC22 bin	1.031	20.62	6669.3	BBTM 11B	0.436	8.73	2829.0
	Rellenos	1.104	31.42	9791.7				
103700.000	SCemento-1	3.414	68.27	21578.5	AC32 BaseG	1.284	25.67	8430.1
	ZA	0.823	16.46	5460.5	SCemento-2	0.472	9.44	2934.4
	AC22 bin	1.030	20.61	6689.9	BBTM 11B	0.436	8.73	2837.7
103720.000	Rellenos	1.104	22.08	9813.7				
	SCemento-1	3.414	68.28	21646.8	AC32 BaseG	1.283	25.67	8455.8
	ZA	0.822	16.45	5476.9	SCemento-2	0.471	9.44	2943.9
103740.000	AC22 bin	1.033	20.63	6710.6	BBTM 11B	0.435	8.72	2846.5
	Rellenos	1.104	22.08	9835.8				
	SCemento-1	3.414	68.28	21715.0	AC32 BaseG	1.284	25.67	8481.4
103760.000	ZA	0.822	16.44	5493.4	SCemento-2	0.471	9.43	2953.3
	AC22 bin	1.032	20.65	6731.2	BBTM 11B	0.435	8.71	2855.2
	Rellenos	1.103	22.07	9857.9				
103780.000	SCemento-1	3.414	68.28	21783.3	AC32 BaseG	1.284	25.68	8507.1
	ZA	0.821	16.43	5509.8	SCemento-2	0.471	9.43	2962.7
	AC22 bin	1.032	20.64	6751.9	BBTM 11B	0.436	8.71	2863.9
103800.000	Rellenos	1.102	22.05	9879.9				
	SCemento-1	3.414	68.28	21851.6	AC32 BaseG	1.284	25.68	8532.8
	ZA	0.820	16.41	5526.2	SCemento-2	0.472	9.44	2972.2
103820.000	AC22 bin	1.031	20.62	6772.5	BBTM 11B	0.435	8.71	2872.6
	Rellenos	1.101	22.03	9902.0				
	SCemento-1	3.414	68.28	21919.9	AC32 BaseG	1.283	25.67	8558.5
103840.000	ZA	0.820	16.40	5542.6	SCemento-2	0.472	9.45	2981.6
	AC22 bin	1.031	20.62	6793.1	BBTM 11B	0.436	8.72	2881.3
	Rellenos	1.100	22.01	9924.0				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 36
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
103800.000	SCemento-1	3.414	68.28	21988.2	AC32 BaseG	1.282	25.65	8584.1
	ZA	0.819	16.39	5559.0	SCemento-2	0.472	9.44	2991.1
	AC22 bin	1.031	20.62	6813.7	BBTM 11B	0.438	8.74	2890.1
103820.000	Rellenos	1.100	22.00	9946.0				
	SCemento-1	2.476	58.90	22047.1	AC32 BaseG	1.311	25.93	8610.0
	ZA	0.819	16.39	5575.4	SCemento-2	0.471	9.43	3000.5
103840.000	AC22 bin	1.033	20.64	6834.4	BBTM 11B	0.435	8.73	2898.8
	Rellenos	1.099	21.99	9968.0				
	SCemento-1	3.414	58.89	22106.0	AC32 BaseG	1.284	25.95	8636.0

103860.000	ZA	0.820	16.39	5591.8	SCemento-2	0.472	9.44	3009.9
	AC22 bin	1.031	20.64	6855.0	BBTM 11B	0.436	8.72	2907.5
	Rellenos	1.101	22.00	9990.0				
103880.000	SCemento-1	3.414	68.27	22174.2	AC32 BaseG	1.284	25.67	8661.7
	ZA	0.823	16.43	5608.2	SCemento-2	0.471	9.44	3019.4
	AC22 bin	1.032	20.62	6875.6	BBTM 11B	0.436	8.72	2916.2
103900.000	Rellenos	1.104	22.05	10012.0				
	SCemento-1	2.593	60.06	22234.3	AC32 BaseG	1.873	31.57	8693.2
	ZA	0.825	16.48	5624.7	SCemento-2	0.472	9.43	3028.8
103920.000	AC22 bin	1.032	20.64	6896.3	BBTM 11B	0.437	8.73	2924.9
	Rellenos	1.107	22.11	10034.1				
	SCemento-1	3.414	60.06	22294.4	AC32 BaseG	1.283	31.57	8724.8
103940.000	ZA	0.827	16.52	5641.2	SCemento-2	0.472	9.44	3038.2
	AC22 bin	1.031	20.63	6916.9	BBTM 11B	0.436	8.73	2933.7
	Rellenos	1.109	22.16	10056.3				
103960.000	SCemento-1	3.414	68.28	22362.6	AC32 BaseG	1.284	25.67	8750.5
	ZA	0.829	16.56	5657.8	SCemento-2	0.471	9.44	3047.7
	AC22 bin	1.031	20.62	6937.5	BBTM 11B	0.436	8.73	2942.4
103980.000	Rellenos	1.112	22.21	10078.5				
	SCemento-1	3.414	68.28	22430.9	AC32 BaseG	1.282	25.66	8776.1
	ZA	0.831	16.60	5674.4	SCemento-2	0.472	9.43	3057.1
103990.000	AC22 bin	1.031	20.62	6958.1	BBTM 11B	0.438	8.74	2951.1
	Rellenos	1.114	22.26	10100.8				
	SCemento-1	3.414	68.28	22499.2	AC32 BaseG	1.282	25.64	8801.8
104000.000	ZA	0.832	16.63	5691.0	SCemento-2	0.472	9.44	3066.6
	AC22 bin	1.032	20.63	6978.8	BBTM 11B	0.437	8.74	2959.9
	Rellenos	1.116	22.31	10123.1				

Istram 18.05.05.29 17/07/18 18:00:33 459 pagina 37
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
103980.000	SCemento-1	3.414	68.28	22567.5	AC32 BaseG	1.283	25.65	8827.4
	ZA	0.834	16.66	5707.7	SCemento-2	0.471	9.43	3076.0
	AC22 bin	1.033	20.65	6999.4	BBTM 11B	0.435	8.72	2968.6
104000.000	Rellenos	1.119	22.35	10145.4				
	SCemento-1	3.414	68.28	22635.7	AC32 BaseG	1.284	25.67	8853.1
	ZA	0.845	16.79	5724.4	SCemento-2	0.471	9.43	3085.4
104020.000	AC22 bin	1.032	20.65	7020.1	BBTM 11B	0.436	8.71	2977.3
	Rellenos	1.151	22.69	10168.1				
	SCemento-1	3.414	68.28	22704.0	AC32 BaseG	1.284	25.68	8878.8
104040.000	ZA	0.849	16.94	5741.4	SCemento-2	0.472	9.44	3094.9
	AC22 bin	1.031	20.62	7040.7	BBTM 11B	0.435	8.71	2986.0
	Rellenos	1.161	23.12	10191.2				
104060.000	SCemento-1	3.414	68.28	22772.3	AC32 BaseG	1.284	25.68	8904.4
	ZA	0.847	16.96	5758.3	SCemento-2	0.472	9.45	3104.3
	AC22 bin	1.031	20.61	7061.3	BBTM 11B	0.436	8.72	2994.8
104080.000	Rellenos	1.159	23.20	10214.4				
	SCemento-1	3.414	68.27	22840.6	AC32 BaseG	1.283	25.67	8930.1
	ZA	0.840	16.87	5775.2	SCemento-2	0.471	9.44	3113.7
104100.000	AC22 bin	1.033	20.64	7081.9	BBTM 11B	0.435	8.72	3003.5
	Rellenos	1.126	22.85	10237.3				
	SCemento-1	3.414	68.28	22908.9	AC32 BaseG	1.284	25.67	8955.8

104240.000	ZA	0.967	19.35	5924.1	SCemento-2	0.472	9.44	3189.3
	AC22 bin	1.031	20.62	7246.9	BBTM 11B	0.436	8.73	3073.3
	Rellenos	2.039	40.80	10518.5				
104260.000	SCemento-1	2.337	57.51	23444.3	AC32 BaseG	1.164	24.47	9159.9
	ZA	0.966	19.33	5943.4	SCemento-2	0.471	9.44	3198.7
	AC22 bin	1.032	20.63	7267.6	BBTM 11B	0.435	8.72	3082.0
104280.000	Rellenos	2.038	40.77	10559.3				
	SCemento-1	2.494	48.32	23492.6	AC32 BaseG	1.194	23.58	9183.5
	ZA	0.823	17.89	5961.3	SCemento-2	0.472	9.43	3208.1
104300.000	AC22 bin	1.031	20.63	7288.2	BBTM 11B	0.436	8.72	3090.7
	Rellenos	1.104	31.42	10590.7				
	SCemento-1	3.414	59.08	23551.7	AC32 BaseG	1.283	24.78	9208.3
104320.000	ZA	0.822	16.44	5977.7	SCemento-2	0.472	9.44	3217.6
	AC22 bin	1.031	20.62	7308.8	BBTM 11B	0.436	8.73	3099.4
	Rellenos	1.102	22.06	10612.8				
104340.000	SCemento-1	3.414	68.28	23620.0	AC32 BaseG	1.283	25.67	9234.0
	ZA	0.820	16.42	5994.1	SCemento-2	0.471	9.44	3227.0
	AC22 bin	1.033	20.64	7329.4	BBTM 11B	0.435	8.72	3108.2
104360.000	Rellenos	1.101	22.04	10634.8				
	SCemento-1	2.480	58.94	23678.9	AC32 BaseG	1.285	25.69	9259.6
	ZA	0.819	16.40	6010.5	SCemento-2	0.472	9.43	3236.4
104380.000	AC22 bin	1.031	20.64	7350.1	BBTM 11B	0.436	8.72	3116.9
	Rellenos	1.100	22.01	10656.8				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 39
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
104340.000	SCemento-1	3.414	58.94	23737.9	AC32 BaseG	1.283	25.69	9285.3
	ZA	0.818	16.38	6026.9	SCemento-2	0.472	9.44	3245.9
	AC22 bin	1.030	20.62	7370.7	BBTM 11B	0.436	8.73	3125.6
104360.000	Rellenos	1.098	21.98	10678.8				
	SCemento-1	3.414	68.28	23806.2	AC32 BaseG	1.282	25.66	9311.0
	ZA	0.817	16.36	6043.3	SCemento-2	0.472	9.44	3255.3
104380.000	AC22 bin	1.033	20.63	7391.3	BBTM 11B	0.435	8.72	3134.3
	Rellenos	1.097	21.95	10700.7				
	SCemento-1	3.414	68.28	23874.4	AC32 BaseG	1.284	25.66	9336.6
104400.000	ZA	0.816	16.33	6059.6	SCemento-2	0.472	9.44	3264.7
	AC22 bin	1.031	20.63	7412.0	BBTM 11B	0.436	8.72	3143.0
	Rellenos	1.095	21.92	10722.7				
104420.000	SCemento-1	3.414	68.28	23942.7	AC32 BaseG	1.284	25.67	9362.3
	ZA	0.812	16.28	6075.9	SCemento-2	0.471	9.44	3274.2
	AC22 bin	1.032	20.62	7432.6	BBTM 11B	0.436	8.72	3151.8
104440.000	Rellenos	1.094	21.89	10744.5				
	SCemento-1	3.414	68.28	24011.0	AC32 BaseG	1.282	25.66	9388.0
	ZA	0.814	16.26	6092.1	SCemento-2	0.472	9.43	3283.6
104460.000	AC22 bin	1.031	20.63	7453.2	BBTM 11B	0.438	8.73	3160.5
	Rellenos	1.092	21.86	10766.4				
	SCemento-1	3.414	68.28	24079.3	AC32 BaseG	1.284	25.66	9413.6
104480.000	ZA	0.812	16.26	6108.4	SCemento-2	0.472	9.44	3293.1
	AC22 bin	1.031	20.62	7473.8	BBTM 11B	0.436	8.74	3169.2
	Rellenos	1.091	21.83	10788.2				
104500.000	SCemento-1	3.414	68.28	24147.5	AC32 BaseG	1.284	25.68	9439.3
	ZA	0.812	16.24	6124.6	SCemento-2	0.471	9.44	3302.5
	AC22 bin	1.032	20.63	7494.5	BBTM 11B	0.435	8.72	3177.9
104520.000	Rellenos	1.090	21.80	10810.0				
	SCemento-1	3.413	68.27	24215.8	AC32 BaseG	1.283	25.67	9465.0
	ZA	0.811	16.23	6140.9	SCemento-2	0.472	9.43	3311.9
104540.000	AC22 bin	1.031	20.63	7515.1	BBTM 11B	0.438	8.73	3186.7
	Rellenos	1.088	21.78	10831.8				
	SCemento-1	3.414	68.27	24284.1	AC32 BaseG	1.283	25.66	9490.6
104560.000	ZA	0.810	16.21	6157.1	SCemento-2	0.472	9.44	3321.4
	AC22 bin	1.031	20.62	7535.7	BBTM 11B	0.436	8.74	3195.4
	Rellenos	1.086	21.74	10853.6				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 40
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
104520.000	SCemento-1	3.414	68.28	24352.4	AC32 BaseG	1.284	25.67	9516.3
	ZA	0.809	16.18	6173.3	SCemento-2	0.471	9.44	3330.8
	AC22 bin	1.032	20.63	7556.3	BBTM 11B	0.435	8.72	3204.1
104540.000	Rellenos	1.085	21.72	10875.3				
	SCemento-1	3.414	68.28	24420.6	AC32 BaseG	1.283	25.67	9542.0
	ZA	0.808	16.16	6189.4	SCemento-2	0.472	9.43	3340.2
104560.000	AC22 bin	1.031	20.63	7577.0	BBTM 11B	0.436	8.72	3212.9
	Rellenos	1.084	21.69	10897.0				
	SCemento-1	3.414	68.28	24488.9	AC32 BaseG	1.283	25.67	9567.7
104580.000	ZA	0.807	16.14	6205.6	SCemento-2	0.472	9.44	3349.7
	AC22 bin	1.030	20.62	7597.6	BBTM 11B	0.436	8.73	3221.6
	Rellenos	1.082	21.65	10918.6				
104600.000	SCemento-1	3.414	68.28	24557.2	AC32 BaseG	1.283	25.67	9593.3
	ZA	0.806	16.12	6221.7	SCemento-2	0.471	9.44	3359.1
	AC22 bin	1.033	20.63	7618.2	BBTM 11B	0.435	8.72	3230.3

104600.000	Rellenos	1.081	21.63	10940.3				
	SCemento-1	3.414	68.28	24625.5	AC32 BaseG	1.284	25.67	9619.0
	ZA	0.804	16.10	6237.8	SCemento-2	0.472	9.43	3368.6
104620.000	AC22 bin	1.031	20.64	7638.9	BBTM 11B	0.436	8.72	3239.0
	Rellenos	1.079	21.60	10961.9				
	SCemento-1	3.414	68.28	24693.7	AC32 BaseG	1.284	25.67	9644.7
104640.000	ZA	0.803	16.08	6253.9	SCemento-2	0.471	9.43	3378.0
	AC22 bin	1.031	20.63	7659.5	BBTM 11B	0.436	8.73	3247.7
	Rellenos	1.078	21.57	10983.4				
104660.000	SCemento-1	3.414	68.28	24762.0	AC32 BaseG	1.282	25.66	9670.3
	ZA	0.802	16.06	6269.9	SCemento-2	0.472	9.43	3387.4
	AC22 bin	1.032	20.63	7680.1	BBTM 11B	0.437	8.73	3256.5
104680.000	Rellenos	1.076	21.53	11005.0				
	SCemento-1	3.414	68.28	24830.3	AC32 BaseG	1.284	25.66	9696.0
	ZA	0.801	16.03	6286.0	SCemento-2	0.472	9.44	3396.9
104700.000	AC22 bin	1.031	20.63	7700.7	BBTM 11B	0.436	8.73	3265.2
	Rellenos	1.074	21.50	11026.5				
	SCemento-1	3.414	68.28	24898.6	AC32 BaseG	1.284	25.67	9721.7
104720.000	ZA	0.800	16.01	6302.0	SCemento-2	0.471	9.44	3406.3
	AC22 bin	1.032	20.63	7721.4	BBTM 11B	0.435	8.72	3273.9
	Rellenos	1.073	21.47	11047.9				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 41
PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104700.000	SCemento-1	3.414		68.28	24966.9	AC32 BaseG	1.282		25.66	9747.3
	ZA	0.799		16.00	6318.0	SCemento-2	0.472		9.44	3415.7
	AC22 bin	1.031		20.63	7742.0	BBTM 11B	0.438		8.73	3282.7
	Rellenos	1.071		21.44	11069.4					
104720.000	SCemento-1	2.719		61.33	25028.2	AC32 BaseG	1.783		30.65	9778.0
	ZA	0.798		15.97	6333.9	SCemento-2	0.472		9.44	3425.2
	AC22 bin	1.031		20.62	7762.6	BBTM 11B	0.436		8.74	3291.4
	Rellenos	1.070		21.41	11090.8					
104740.000	SCemento-1	3.414		61.33	25089.5	AC32 BaseG	1.284		30.67	9808.6
	ZA	0.797		15.95	6349.9	SCemento-2	0.471		9.44	3434.6
	AC22 bin	1.032		20.63	7783.3	BBTM 11B	0.435		8.72	3300.1
	Rellenos	1.069		21.38	11112.2					
104760.000	SCemento-1	3.414		68.28	25157.8	AC32 BaseG	1.283		25.67	9834.3
	ZA	0.796		15.93	6365.8	SCemento-2	0.472		9.43	3444.0
	AC22 bin	1.031		20.63	7803.9	BBTM 11B	0.436		8.72	3308.8
	Rellenos	1.067		21.36	11133.5					
104780.000	SCemento-1	3.414		68.27	25226.1	AC32 BaseG	1.283		25.67	9860.0
	ZA	0.795		15.91	6381.7	SCemento-2	0.472		9.44	3453.5
	AC22 bin	1.031		20.62	7824.5	BBTM 11B	0.436		8.73	3317.6
	Rellenos	1.065		21.32	11154.8					
104800.000	SCemento-1	3.414		68.27	25294.3	AC32 BaseG	1.283		25.67	9885.6
	ZA	0.794		15.89	6397.6	SCemento-2	0.472		9.44	3462.9
	AC22 bin	1.031		20.62	7845.1	BBTM 11B	0.436		8.73	3326.3
	Rellenos	1.064		21.29	11176.1					
104820.000	SCemento-1	3.414		68.28	25362.6	AC32 BaseG	1.282		25.65	9911.3
	ZA	0.795		15.89	6413.5	SCemento-2	0.472		9.44	3472.4
	AC22 bin	1.032		20.63	7865.8	BBTM 11B	0.437		8.73	3335.0
	Rellenos	1.066		21.30	11197.4					
104840.000	SCemento-1	3.414		68.28	25430.9	AC32 BaseG	1.284		25.66	9937.0
	ZA	0.800		15.95	6429.5	SCemento-2	0.471		9.43	3481.8
	AC22 bin	1.032		20.64	7886.4	BBTM 11B	0.435		8.72	3343.7
	Rellenos	1.072		21.39	11218.8					
104860.000	SCemento-1	3.414		68.28	25499.2	AC32 BaseG	1.283		25.67	9962.6
	ZA	0.806		16.06	6445.5	SCemento-2	0.471		9.43	3491.2
	AC22 bin	1.033		20.65	7907.0	BBTM 11B	0.435		8.71	3352.4
	Rellenos	1.082		21.54	11240.4					

104980.000	Rellenos	1.137	22.70	11351.8															
	SCemento-1	3.402	68.16	25908.7	AC32 BaseG	1.282	25.64	10116.6											
	ZA	0.853	17.02	6545.6	SCemento-2	0.484	9.56	3548.0											
105000.000	AC22 bin	1.031	20.62	8030.8	BBTM 11B	0.436	8.73	3404.8											
	Rellenos	1.128	22.65	11374.5															
	SCemento-1	3.374	67.76	25976.5	AC32 BaseG	1.282	25.65	10142.3											
105020.000	ZA	0.858	17.11	6562.7	SCemento-2	0.506	9.90	3557.9											
	AC22 bin	1.031	20.62	8051.4	BBTM 11B	0.436	8.72	3413.5											
	Rellenos	1.106	22.34	11396.8															
105040.000	SCemento-1	3.362	67.36	26043.8	AC32 BaseG	1.281	25.63	10167.9											
	ZA	0.857	17.15	6579.9	SCemento-2	0.518	10.23	3568.1											
	AC22 bin	1.031	20.62	8072.0	BBTM 11B	0.437	8.73	3422.2											
	Rellenos	1.093	21.99	11418.8															
	SCemento-1	3.360	67.22	26111.1	AC32 BaseG	1.281	25.61	10193.5											
	ZA	0.850	17.07	6597.0	SCemento-2	0.520	10.37	3578.5											
	AC22 bin	1.032	20.63	8092.7	BBTM 11B	0.436	8.73	3430.9											
	Rellenos	1.085	21.78	11440.6															

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 43
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
105060.000	SCemento-1	3.357	67.17	26178.2	AC32 BaseG	1.279	25.60	10219.1	
	ZA	0.842	16.92	6613.9	SCemento-2	0.522	10.41	3588.9	
	AC22 bin	1.031	20.62	8113.3	BBTM 11B	0.437	8.73	3439.7	
105080.000	Rellenos	1.075	21.59	11462.2					
	SCemento-1	2.489	58.46	26236.7	AC32 BaseG	1.289	25.68	10244.8	
	ZA	0.833	16.75	6630.6	SCemento-2	0.523	10.45	3599.4	
	AC22 bin	1.032	20.62	8133.9	BBTM 11B	0.437	8.74	3448.4	
105100.000	Rellenos	1.062	21.36	11483.5					
	SCemento-1	3.352	58.40	26295.1	AC32 BaseG	1.280	25.69	10270.5	
	ZA	0.821	16.54	6647.2	SCemento-2	0.526	10.50	3609.8	
	AC22 bin	1.031	20.63	8154.6	BBTM 11B	0.435	8.72	3457.1	
105120.000	Rellenos	1.048	21.09	11504.6					
	SCemento-1	2.405	57.57	26352.7	AC32 BaseG	1.212	24.92	10295.4	
	ZA	0.808	16.29	6663.5	SCemento-2	0.528	10.54	3620.4	
	AC22 bin	1.031	20.63	8175.2	BBTM 11B	0.436	8.72	3465.8	
105140.000	Rellenos	1.030	20.78	11525.4					
	SCemento-1	3.348	57.53	26410.2	AC32 BaseG	1.281	24.93	10320.3	
	ZA	0.790	15.98	6679.4	SCemento-2	0.528	10.56	3630.9	
	AC22 bin	1.032	20.63	8195.8	BBTM 11B	0.436	8.72	3474.6	
105160.000	Rellenos	1.003	20.33	11545.7					
	SCemento-1	3.345	66.93	26477.1	AC32 BaseG	1.281	25.62	10346.0	
	ZA	0.768	15.58	6695.0	SCemento-2	0.528	10.56	3641.5	
	AC22 bin	1.032	20.63	8216.4	BBTM 11B	0.436	8.72	3483.3	
105180.000	Rellenos	0.968	19.71	11565.4					
	SCemento-1	3.344	66.89	26544.0	AC32 BaseG	1.279	25.60	10371.6	
	ZA	0.741	15.08	6710.1	SCemento-2	0.528	10.56	3652.1	
	AC22 bin	1.033	20.64	8237.1	BBTM 11B	0.436	8.71	3492.0	
105200.000	Rellenos	0.924	18.92	11584.4					
	SCemento-1	3.341	66.84	26610.9	AC32 BaseG	1.281	25.60	10397.2	
	ZA	0.710	14.51	6724.6	SCemento-2	0.528	10.55	3662.6	
	AC22 bin	1.031	20.64	8257.7	BBTM 11B	0.435	8.71	3500.7	
105220.000	Rellenos	0.871	17.96	11602.3					
	SCemento-1	2.272	56.13	26667.0	AC32 BaseG	1.266	25.07	10422.2	
	ZA	0.681	13.91	6738.5	SCemento-2	0.528	10.56	3673.2	
	AC22 bin	1.032	20.63	8278.4	BBTM 11B	0.436	8.71	3509.4	
	Rellenos	0.818	16.89	11619.2					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 44
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
105240.000	SCemento-1	2.128	44.00	26711.0	AC32 BaseG	2.153	33.79	10456.0	
	ZA	0.827	15.09	6753.6	SCemento-2	0.528	10.55	3683.7	
	AC22 bin	1.032	20.63	8299.0	BBTM 11B	0.436	8.71	3518.1	
105260.000	Rellenos	1.134	19.51	11638.7					
	SCemento-1	2.404	45.32	26756.3	AC32 BaseG	1.954	41.06	10497.1	
	ZA	0.833	16.60	6770.2	SCemento-2	0.528	10.55	3694.3	
	AC22 bin	1.031	20.63	8319.6	BBTM 11B	0.437	8.73	3526.9	
105280.000	Rellenos	1.551	26.85	11665.6					
	SCemento-1	2.862	52.66	26809.0	AC32 BaseG	1.606	35.60	10532.7	
	ZA	0.812	16.45	6786.7	SCemento-2	0.528	10.55	3704.8	
	AC22 bin	1.031	20.63	8340.2	BBTM 11B	0.436	8.73	3535.6	
105300.000	Rellenos	1.525	30.76	11696.3					
	SCemento-1	3.340	62.02	26871.0	AC32 BaseG	1.280	28.86	10561.5	
	ZA	0.798	16.10	6802.8	SCemento-2	0.528	10.56	3715.4	
	AC22 bin	1.032	20.63	8360.9	BBTM 11B	0.436	8.72	3544.3	
105320.000	Rellenos	1.498	30.23	11726.6					
	SCemento-1	3.339	66.79	26937.8	AC32 BaseG	1.281	25.60	10587.1	
	ZA	1.021	18.19	6821.0	SCemento-2	0.527	10.55	3725.9	
	AC22 bin	1.032	20.64	8381.5	BBTM 11B	0.436	8.71	3553.0	
105340.000	Rellenos	2.022	35.20	11761.8					
	SCemento-1	3.339	66.78	27004.6	AC32 BaseG	1.279	25.60	10612.7	
	ZA	1.021	20.41	6841.4	SCemento-2	0.528	10.55	3736.5	
	AC22 bin	1.031	20.64	8402.1	BBTM 11B	0.437	8.72	3561.7	

105360.000	Rellenos	2.043	40.65	11802.4															
	SCemento-1	2.825	61.63	27066.2	AC32 BaseG	1.636	29.15	10641.9											
	ZA	1.020	20.41	6861.8	SCemento-2	0.528	10.55	3747.0											
105380.000	AC22 bin	1.031	20.63	8422.8	BBTM 11B	0.436	8.73	3570.5											
	Rellenos	2.006	40.49	11842.9															
	SCemento-1	2.977	58.01	27124.2	AC32 BaseG	1.502	31.38	10673.3											
105400.000	ZA	0.830	18.51	6880.3	SCemento-2	0.528	10.56	3757.6											
	AC22 bin	1.031	20.63	8443.4	BBTM 11B	0.436	8.72	3579.2											
	Rellenos	1.549	35.55	11878.5															
	SCemento-1	3.339	63.16	27187.4	AC32 BaseG	1.281	27.82	10701.1											
	ZA	0.837	16.67	6896.9	SCemento-2	0.528	10.55	3768.2											
	AC22 bin	1.032	20.63	8464.0	BBTM 11B	0.436	8.71	3587.9											
	Rellenos	1.555	31.04	11909.5															

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 45
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
105420.000	SCemento-1	2.046		53.85	27241.2	AC32 BaseG	2.252		35.33	10736.4
	ZA	0.886		17.23	6914.2	SCemento-2	0.528		10.55	3778.7
	AC22 bin	1.031		20.63	8484.7	BBTM 11B	0.437		8.72	3596.6
	Rellenos	1.571		31.26	11940.8					
105440.000	SCemento-1	3.164		52.10	27293.3	AC32 BaseG	1.281		35.33	10771.7
	ZA	0.887		17.73	6931.9	SCemento-2	0.528		10.56	3789.3
	AC22 bin	1.030		20.62	8505.3	BBTM 11B	0.437		8.73	3605.4
	Rellenos	1.114		26.85	11967.6					
105460.000	SCemento-1	3.343		65.07	27358.4	AC32 BaseG	1.279		25.59	10797.3
	ZA	0.651		15.37	6947.3	SCemento-2	0.527		10.55	3799.8
	AC22 bin	1.031		20.61	8525.9	BBTM 11B	0.437		8.74	3614.1
	Rellenos	0.763		18.77	11986.4					
105480.000	SCemento-1	3.345		66.88	27425.3	AC32 BaseG	1.280		25.59	10822.9
	ZA	0.651		13.02	6960.3	SCemento-2	0.528		10.55	3810.4
	AC22 bin	1.031		20.62	8546.5	BBTM 11B	0.437		8.74	3622.8
	Rellenos	0.767		15.30	12001.7					
105500.000	SCemento-1	3.347		66.92	27492.2	AC32 BaseG	1.280		25.60	10848.5
	ZA	0.652		13.02	6973.3	SCemento-2	0.528		10.56	3820.9
	AC22 bin	1.032		20.63	8567.1	BBTM 11B	0.436		8.72	3631.6
	Rellenos	0.771		15.38	12017.1					
105520.000	SCemento-1	3.349		66.96	27559.2	AC32 BaseG	1.280		25.60	10874.1
	ZA	0.652		13.04	6986.4	SCemento-2	0.528		10.56	3831.5
	AC22 bin	1.031		20.64	8587.8	BBTM 11B	0.436		8.72	3640.3
	Rellenos	0.775		15.47	12032.5					
105540.000	SCemento-1	3.352		67.01	27626.2	AC32 BaseG	1.280		25.59	10899.7
	ZA	0.652		13.04	6999.4	SCemento-2	0.526		10.54	3842.0
	AC22 bin	1.031		20.62	8608.4	BBTM 11B	0.436		8.73	3649.0
	Rellenos	0.776		15.52	12048.0					
105560.000	SCemento-1	3.354		67.06	27693.2	AC32 BaseG	1.279		25.59	10925.3
	ZA	0.651		13.03	7012.4	SCemento-2	0.525		10.51	3852.5
	AC22 bin	1.032		20.63	8629.0	BBTM 11B	0.436		8.72	3657.7
	Rellenos	0.775		15.52	12063.6					
105580.000	SCemento-1	3.356		67.10	27760.3	AC32 BaseG	1.281		25.60	10950.9
	ZA	0.650		13.01	7025.4	SCemento-2	0.522		10.47	3863.0
	AC22 bin	1.032		20.64	8649.7	BBTM 11B	0.436		8.72	3666.5
	Rellenos	0.774		15.50	12079.1					

105740.000	Rellenos	0.747	14.95	12185.7					
	SCemento-1	3.414	68.28	28302.4	AC32 BaseG	1.284	25.67	11156.0	
	ZA	0.631	12.62	7127.8	SCemento-2	0.472	9.44	3942.2	
105760.000	AC22 bin	1.031	20.62	8814.7	BBTM 11B	0.436	8.73	3736.3	
	Rellenos	0.748	14.95	12200.6					
	SCemento-1	3.414	68.28	28370.6	AC32 BaseG	1.284	25.67	11181.7	
	ZA	0.631	12.62	7140.4	SCemento-2	0.471	9.43	3951.6	
	AC22 bin	1.032	20.63	8835.3	BBTM 11B	0.435	8.72	3745.0	
	Rellenos	0.748	14.95	12215.6					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 47

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
105780.000	SCemento-1	3.414	68.28	28438.9	AC32 BaseG	1.282	25.66	11207.3	
	ZA	0.631	12.62	7153.0	SCemento-2	0.472	9.43	3961.0	
	AC22 bin	1.031	20.63	8855.9	BBTM 11B	0.438	8.73	3753.7	
105800.000	Rellenos	0.747	14.95	12230.5					
	SCemento-1	3.414	68.28	28507.2	AC32 BaseG	1.282	25.64	11233.0	
	ZA	0.631	12.62	7165.7	SCemento-2	0.472	9.44	3970.5	
	AC22 bin	1.031	20.62	8876.6	BBTM 11B	0.438	8.75	3762.5	
	Rellenos	0.747	14.95	12245.5					
105820.000	SCemento-1	3.414	68.28	28575.5	AC32 BaseG	1.284	25.66	11258.6	
	ZA	0.631	12.62	7178.3	SCemento-2	0.471	9.43	3979.9	
	AC22 bin	1.032	20.63	8897.2	BBTM 11B	0.435	8.73	3771.2	
	Rellenos	0.748	14.95	12260.4					
	SCemento-1	3.414	68.28	28643.8	AC32 BaseG	1.284	25.68	11284.3	
105840.000	ZA	0.631	12.62	7190.9	SCemento-2	0.471	9.43	3989.3	
	AC22 bin	1.032	20.64	8917.8	BBTM 11B	0.436	8.71	3779.9	
	Rellenos	0.748	14.95	12275.4					
	SCemento-1	3.414	68.28	28712.0	AC32 BaseG	1.284	25.68	11310.0	
	ZA	0.631	12.62	7203.5	SCemento-2	0.471	9.43	3998.8	
105860.000	AC22 bin	1.032	20.63	8938.5	BBTM 11B	0.436	8.72	3788.6	
	Rellenos	0.748	14.95	12290.3					
	SCemento-1	3.414	68.28	28780.3	AC32 BaseG	1.283	25.67	11335.6	
	ZA	0.631	12.62	7216.1	SCemento-2	0.471	9.43	4008.2	
	AC22 bin	1.033	20.65	8959.1	BBTM 11B	0.435	8.71	3797.4	
105900.000	Rellenos	0.748	14.95	12305.3					
	SCemento-1	3.414	68.28	28848.6	AC32 BaseG	1.283	25.67	11361.3	
	ZA	0.631	12.62	7228.8	SCemento-2	0.472	9.43	4017.6	
	AC22 bin	1.031	20.64	8979.8	BBTM 11B	0.436	8.72	3806.1	
	Rellenos	0.748	14.95	12320.3					
105920.000	SCemento-1	3.414	68.28	28916.9	AC32 BaseG	1.284	25.67	11387.0	
	ZA	0.631	12.62	7241.4	SCemento-2	0.471	9.43	4027.1	
	AC22 bin	1.032	20.63	9000.4	BBTM 11B	0.435	8.72	3814.8	
	Rellenos	0.748	14.95	12335.2					
	SCemento-1	3.414	68.28	28985.1	AC32 BaseG	1.283	25.67	11412.7	
105940.000	ZA	0.631	12.62	7254.0	SCemento-2	0.472	9.44	4036.5	
	AC22 bin	1.031	20.63	9021.0	BBTM 11B	0.436	8.72	3823.5	
	Rellenos	0.747	14.95	12350.1					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 48

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
105960.000	SCemento-1	3.414	68.27	29053.4	AC32 BaseG	1.284	25.67	11438.3	
	ZA	0.631	12.62	7266.6	SCemento-2	0.472	9.44	4045.9	
	AC22 bin	1.031	20.62	9041.6	BBTM 11B	0.436	8.73	3832.2	
105980.000	Rellenos	0.747	14.95	12365.1					
	SCemento-1	3.414	68.27	29121.7	AC32 BaseG	1.284	25.67	11464.0	
	ZA	0.626	12.56	7279.2	SCemento-2	0.472	9.44	4055.4	
	AC22 bin	1.031	20.62	9062.3	BBTM 11B	0.436	8.73	3841.0	
	Rellenos	0.748	14.95	12380.0					
106000.000	SCemento-1	3.414	68.28	29190.0	AC32 BaseG	1.282	25.65	11489.7	
	ZA	0.773	13.99	7293.2	SCemento-2	0.472	9.44	4064.8	
	AC22 bin	1.032	20.63	9082.9	BBTM 11B	0.437	8.73	3849.7	
	Rellenos	1.680	24.28	12404.3					
	SCemento-1	2.423	58.37	29248.3	AC32 BaseG	1.374	26.56	11516.2	
106020.000	ZA	0.773	15.46	7308.6	SCemento-2	0.472	9.44	4074.3	
	AC22 bin	1.031	20.63	9103.5	BBTM 11B	0.436	8.73	3858.4	
	Rellenos	1.680	33.60	12437.9					
	SCemento-1	3.414	58.37	29306.7	AC32 BaseG	1.283	26.58	11542.8	
	ZA	0.773	15.46	7324.1	SCemento-2	0.472	9.44	4083.7	
106040.000	AC22 bin	1.031	20.62	9124.1	BBTM 11B	0.436	8.73	3867.1	
	Rellenos	1.680	33.59	12471.5					
	SCemento-1	1.565	49.78	29356.5	AC32 BaseG	2.611	38.94	11581.7	
	ZA	0.773	15.47	7339.6	SCemento-2	0.471	9.44	4093.1	
	AC22 bin	1.031	20.62	9144.8	BBTM 11B	0.436	8.73	3875.9	
106080.000	Rellenos	1.680	33.59	12505.1					
	SCemento-1	3.415	49.79	29406.3	AC32 BaseG	1.284	38.95	11620.7	
	ZA	0.845	16.18	7355.7	SCemento-2	0.472	9.44	4102.6	
	AC22 bin	1.031	20.62	9165.4	BBTM 11B	0.435	8.72	3884.6	
	Rellenos	1.837	35.17	12540.3					
106100.000	SCemento-1	3.414	68.29	29474.6	AC32 BaseG	1.282	25.66	11646.3	
	ZA	0.916	17.61	7373.4	SCemento-2	0.472	9.44	4112.0	
	AC22 bin	1.032	20.63	9186.0	BBTM 11B	0.437	8.72	3893.3	

106120.000	Rellenos	1.965	38.02	12578.3					
	SCemento-1	2.736	61.50	29536.1	AC32 BaseG	1.771	30.53	11676.9	
	ZA	0.987	19.03	7392.4	SCemento-2	0.472	9.44	4121.5	
	AC22 bin	1.031	20.63	9206.6	BBTM 11B	0.436	8.73	3902.0	
	Rellenos	2.064	40.29	12618.6					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 49

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
106140.000	SCemento-1	3.414	61.50	29597.6	AC32 BaseG	1.283	30.54	11707.4	
	ZA	1.010	19.97	7412.4	SCemento-2	0.472	9.44	4130.9	
	AC22 bin	1.031	20.62	9227.3	BBTM 11B	0.436	8.73	3910.8	
106160.000	Rellenos	2.184	42.48	12661.1					
	SCemento-1	2.612	60.26	29657.8	AC32 BaseG	1.282	25.65	11733.1	
	ZA	1.006	20.16	7432.5	SCemento-2	0.471	9.44	4140.3	
	AC22 bin	1.031	20.62	9247.9	BBTM 11B	0.436	8.73	3919.5	
	Rellenos	2.090	42.74	12703.8					
106180.000	SCemento-1	3.415	60.27	29718.1	AC32 BaseG	1.284	25.66	11758.7	
	ZA	1.001	20.06	7452.6	SCemento-2	0.472	9.44	4149.8	
	AC22 bin	1.031	20.62	9268.5	BBTM 11B	0.435	8.72	3928.2	
	Rellenos	2.081	41.71	12745.5					
	SCemento-1	3.414	68.28	29786.4	AC32 BaseG	1.284	25.67	11784.4	
106200.000	ZA	0.992	19.93	7472.5	SCemento-2	0.472	9.44	4159.2	
	AC22 bin	1.031	20.62	9289.1	BBTM 11B	0.436	8.72	3936.9	
	Rellenos	2.069	41.50	12787.0					
	SCemento-1	3.414	68.28	29854.7	AC32 BaseG	1.284	25.67	11810.1	
	ZA	1.008	20.00	7492.5	SCemento-2	0.473	9.45	4168.7	
106220.000	AC22 bin	1.032	20.63	9309.8	BBTM 11B	0.436	8.72	3945.7	
	Rellenos	2.108	41.77	12828.8					
	SCemento-1	3.414	68.28	29922.9	AC32 BaseG	1.282	25.66	11835.7	
	ZA	1.010	20.18	7512.7	SCemento-2	0.472	9.45	4178.1	
	AC22 bin	1.033	20.64	9330.4	BBTM 11B	0.435	8.71	3954.4	
106240.000	Rellenos	2.612	47.19	12876.0					
	SCemento-1	3.415	68.29	29991.2	AC32 BaseG	1.284	25.66	11861.4	
	ZA	0.995	20.05	7532.7	SCemento-2	0.472	9.44	4187.6	
	AC22 bin	1.031	20.63	9351.0	BBTM 11B	0.435	8.71	3963.1	
	Rellenos	2.073	46.85	12922.8					
106280.000	SCemento-1	3.413	68.28	30059.5	AC32 BaseG	1.284	25.68	11887.1	
	ZA	1.010	20.05	7552.8	SCemento-2	0.472	9.44	4197.0	
	AC22 bin	1.031	20.62	9371.7	BBTM 11B	0.436	8.72	3971.8	
	Rellenos	2.156	42.29	12965.1					
	SCemento-1	2.431	58.44	30117.9	AC32 BaseG	1.292	25.76	11912.8	
106300.000	ZA	1.010	20.20	7573.0	SCemento-2	0.471	9.43	4206.4	
	AC22 bin	1.032	20.63	9392.3	BBTM 11B	0.435	8.72	3980.5	
	Rellenos	2.224	43.80	13008.9					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 50

PROYECTO :
EJE: 1: Autov^{ea} de Castilla A-6

Rellenos 2.070 32.08 13293.6

Istram 18.05.05.29 17/07/18 18:00:34 459

PROYECTO :

EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.

Tronco

pagina 51

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
106500.000	SCemento-1	3.873		76.16	30800.9	AC32 BaseG	1.467	28.82	12180.0
	ZA	0.850		18.43	7757.2	SCemento-2	0.472	9.43	4300.8
	AC22 bin	1.160		22.83	9603.2	BBTM 11B	0.491	9.67	4069.8
	Rellenos	1.138		32.08	13325.7				
106520.000	SCemento-1	4.003		78.75	30879.6	AC32 BaseG	1.519	29.87	12209.8
	ZA	0.850		17.00	7774.2	SCemento-2	0.471	9.43	4310.2
	AC22 bin	1.197		23.57	9626.8	BBTM 11B	0.507	9.98	4079.8
	Rellenos	1.138		22.77	13348.5				
106540.000	SCemento-1	4.132		81.35	30961.0	AC32 BaseG	1.570	30.89	12240.7
	ZA	0.850		17.00	7791.2	SCemento-2	0.472	9.43	4319.6
	AC22 bin	1.234		24.31	9651.1	BBTM 11B	0.522	10.29	4090.1
	Rellenos	1.138		22.77	13371.3				
106560.000	SCemento-1	4.263		83.95	31044.9	AC32 BaseG	1.622	31.92	12272.7
	ZA	0.850		17.00	7808.2	SCemento-2	0.472	9.43	4329.1
	AC22 bin	1.268		25.02	9676.1	BBTM 11B	0.539	10.60	4100.7
	Rellenos	1.138		22.77	13394.0				
106580.000	SCemento-1	4.289		85.51	31130.5	AC32 BaseG	1.633	32.56	12305.2
	ZA	0.850		17.00	7825.2	SCemento-2	0.472	9.44	4338.5
	AC22 bin	1.276		25.44	9701.5	BBTM 11B	0.541	10.80	4111.5
	Rellenos	1.138		22.76	13416.8				
106600.000	SCemento-1	4.289		85.77	31216.2	AC32 BaseG	1.632	32.65	12337.9
	ZA	0.850		17.00	7842.2	SCemento-2	0.472	9.44	4348.0
	AC22 bin	1.278		25.54	9727.1	BBTM 11B	0.541	10.82	4122.3
	Rellenos	1.138		22.76	13439.6				
106620.000	SCemento-1	4.289		85.78	31302.0	AC32 BaseG	1.633	32.65	12370.5
	ZA	0.850		17.00	7859.2	SCemento-2	0.472	9.44	4357.4
	AC22 bin	1.277		25.55	9752.6	BBTM 11B	0.541	10.82	4133.2
	Rellenos	1.138		22.76	13462.3				
106640.000	SCemento-1	4.289		85.77	31387.8	AC32 BaseG	1.633	32.67	12403.2
	ZA	0.850		17.00	7876.2	SCemento-2	0.472	9.43	4366.8
	AC22 bin	1.276		25.53	9778.1	BBTM 11B	0.541	10.83	4144.0
	Rellenos	1.138		22.76	13485.1				
106660.000	SCemento-1	4.289		85.78	31473.6	AC32 BaseG	1.634	32.67	12435.9
	ZA	0.850		17.00	7893.2	SCemento-2	0.471	9.43	4376.3
	AC22 bin	1.277		25.54	9803.7	BBTM 11B	0.540	10.82	4154.8
	Rellenos	1.138		22.77	13507.8				

Istram 18.05.05.29 17/07/18 18:00:34 459

PROYECTO :

EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.

Tronco

pagina 52

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
106680.000	SCemento-1	4.289		85.78	31559.3	AC32 BaseG	1.633	32.67	12468.5
	ZA	0.850		16.99	7910.2	SCemento-2	0.472	9.44	4385.7
	AC22 bin	1.276		25.53	9829.2	BBTM 11B	0.541	10.82	4165.6
	Rellenos	1.138		22.76	13530.6				
106700.000	SCemento-1	4.288		85.76	31645.1	AC32 BaseG	1.632	32.66	12501.2
	ZA	0.850		16.99	7927.2	SCemento-2	0.472	9.44	4395.1
	AC22 bin	1.276		25.52	9854.7	BBTM 11B	0.543	10.84	4176.5
	Rellenos	1.138		22.75	13553.3				
106720.000	SCemento-1	4.289		85.77	31730.9	AC32 BaseG	1.634	32.66	12533.9
	ZA	0.850		16.99	7944.2	SCemento-2	0.471	9.44	4404.6
	AC22 bin	1.277		25.53	9880.3	BBTM 11B	0.540	10.83	4187.3
	Rellenos	1.138		22.76	13576.1				
106740.000	SCemento-1	4.288		85.77	31816.6	AC32 BaseG	1.634	32.67	12566.5
	ZA	0.849		16.99	7961.2	SCemento-2	0.472	9.44	4414.0
	AC22 bin	1.276		25.53	9905.8	BBTM 11B	0.541	10.82	4198.1
	Rellenos	1.137		22.76	13598.9				
106760.000	SCemento-1	3.414		77.02	31893.7	AC32 BaseG	1.282	29.16	12595.7
	ZA	0.849		16.99	7978.2	SCemento-2	0.472	9.44	4423.5
	AC22 bin	1.032		23.07	9928.9	BBTM 11B	0.437	9.78	4207.9
	Rellenos	1.137		22.75	13621.6				
106780.000	SCemento-1	3.414		68.28	31961.9	AC32 BaseG	1.284	25.66	12621.3
	ZA	0.850		16.99	7995.2	SCemento-2	0.471	9.43	4432.9
	AC22 bin	1.031		20.63	9949.5	BBTM 11B	0.436	8.73	4216.6
	Rellenos	1.138		22.75	13644.4				
106800.000	SCemento-1	3.414		68.28	32030.2	AC32 BaseG	1.284	25.67	12647.0
	ZA	0.851		17.01	8012.2	SCemento-2	0.472	9.43	4442.3
	AC22 bin	1.031		20.63	9970.1	BBTM 11B	0.436	8.73	4225.4
	Rellenos	1.139		22.77	13667.1				
106820.000	SCemento-1	3.414		68.28	32098.5	AC32 BaseG	1.283	25.67	12672.7
	ZA	0.855		17.06	8029.2	SCemento-2	0.471	9.43	4451.8
	AC22 bin	1.033		20.64	9990.8	BBTM 11B	0.435	8.72	4234.1
	Rellenos	1.144		22.83	13690.0				
106840.000	SCemento-1	3.414		68.28	32166.8	AC32 BaseG	1.284	25.67	12698.4
	ZA	0.860		17.15	8046.4	SCemento-2	0.472	9.44	4461.2
	AC22 bin	1.030		20.63	10011.4	BBTM 11B	0.436	8.72	4242.8
	Rellenos	1.150		22.94	13712.9				

Istram 18.05.05.29 17/07/18 18:00:34 459

PROYECTO :

pagina 53

EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.

Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

***** CAPAS DE FIRME *****

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
106860.000	SCemento-1	3.414		68.27	32235.0	AC32 BaseG	1.283	25.67	12724.0
	ZA	0.864		17.24	8063.6	SCemento-2	0.472	9.44	4470.6
	AC22 bin	1.031		20.62	10032.0	BBTM 11B	0.436	8.73	4251.5
	Rellenos	1.158		23.08	13736.0				
106880.000	SCemento-1	3.414		68.28	32303.3	AC32 BaseG	1.284	25.67	12749.7
	ZA	0.866		17.30	8080.9	SCemento-2	0.471	9.43	4480.1
	AC22 bin	1.032		20.63	10052.6	BBTM 11B	0.435	8.72	4260.2
	Rellenos	1.167		23.25	13759.2				
106900.000	SCemento-1	3.414		68.28	32371.6	AC32 BaseG	1.283	25.67	12775.4
	ZA	0.868		17.34	8098.2	SCemento-2	0.472	9.44	4489.5
	AC22 bin	1.031		20.63	10073.3	BBTM 11B	0.436	8.72	4269.0
	Rellenos	1.176		23.42	13782.6				
106920.000	SCemento-1	3.413		68.26	32439.9	AC32 BaseG	1.283	25.66	12801.0
	ZA	0.868		17.36	8115.6	SCemento-2	0.472	9.44	4499.0
	AC22 bin	1.031		20.62	10093.9	BBTM 11B	0.438	8.74	4277.7
	Rellenos	1.187		23.62	13806.3				
106940.000	SCemento-1	3.414		68.27	32508.1	AC32 BaseG	1.284	25.67	12826.7
	ZA	0.868		17.36	8133.0	SCemento-2	0.471	9.43	4508.4
	AC22 bin	1.032		20.63	10114.5	BBTM 11B	0.435	8.73	4286.4
	Rellenos	1.198		23.84	13830.1				
106960.000	SCemento-1	3.414		68.27	32576.4	AC32 BaseG	1.284	25.68	12852.4
	ZA	0.867		17.35	8150.3	SCemento-2	0.472	9.44	4517.8
	AC22 bin	1.031		20.63	10135.2	BBTM 11B	0.436	8.72	4295.1
	Rellenos	1.208		24.05	13854.2				
106980.000	SCemento-1	3.414		68.28	32644.7	AC32 BaseG	1.282	25.66	12878.0
	ZA	0.868		17.35	8167.7	SCemento-2	0.472	9.44	4527.3
	AC22 bin	1.031		20.62	10155.8	BBTM 11B	0.438	8.74	4303.9
	Rellenos	1.218		24.26	13878.4				
107000.000	SCemento-1	3.414		68.28	32713.0	AC32 BaseG	1.284	25.66	12903.7
	ZA	0.836		17.04	8184.7	SCemento-2	0.472	9.44	4536.7
	AC22 bin	1.032		20.63	10176.4	BBTM 11B	0.436	8.73	4312.6
	Rellenos	1.226		24.44	13902.9				
107020.000	SCemento-1	3.352		67.66	32780.6	AC32 BaseG	1.284	25.67	12929.4
	ZA	0.861		16.98	8201.7	SCemento-2	0.472	9.44	4546.1
	AC22 bin	1.031		20.62	10197.0	BBTM 11B	0.436	8.72	4321.3
	Rellenos	1.239		24.65	13927.5				

Istram 18.05.05.29 17/07/18 18:00:34 459

PROYECTO :

EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.

Tronco

pagina 54

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

***** CAPAS DE FIRME *****

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107040.000	SCemento-1	3.364		67.16	32847.8	AC32 BaseG	1.282		25.66	12955.0
	ZA	0.868		17.29	8219.0	SCemento-2	0.472		9.44	4555.6
	AC22 bin	1.033		20.63	10217.7	BBTM 11B	0.435		8.72	4330.1
	Rellenos	1.249		24.88	13952.4					
107060.000	SCemento-1	2.187		55.51	32903.3	AC32 BaseG	2.168		34.50	12989.5
	ZA	0.868		17.36	8236.3	SCemento-2	0.472		9.44	4565.0
	AC22 bin	1.030		20.63	10238.3	BBTM 11B	0.436		8.72	4338.8
	Rellenos	1.258		25.07	13977.5					
107080.000	SCemento-1	4.289		64.76	32968.0	AC32 BaseG	1.633		38.01	13027.5
	ZA	0.868		17.35	8253.7	SCemento-2	0.472		9.45	4574.5
	AC22 bin	1.276		23.06	10261.3	BBTM 11B	0.541		9.78	4348.5
	Rellenos	1.268		25.27	14002.7					
107100.000	SCemento-1	4.289		85.78	33053.8	AC32 BaseG	1.632		32.66	13060.2
	ZA	0.868		17.35	8271.0	SCemento-2	0.472		9.44	4583.9
	AC22 bin	1.278		25.54	10286.9	BBTM 11B	0.541		10.82	4359.4
	Rellenos	1.278		25.46	14028.2					
107120.000	SCemento-1	3.006		72.95	33126.8	AC32 BaseG	1.732		33.65	13093.8
	ZA	0.868		17.36	8288.4	SCemento-2	0.472		9.44	4593.3
	AC22 bin	1.277		25.55	10312.4	BBTM 11B	0.541		10.82	4370.2
	Rellenos	1.287		25.64	14053.8					
107140.000	SCemento-1	4.289		72.95	33199.7	AC32 BaseG	1.633		33.66	13127.5
	ZA	0.868		17.36	8305.8	SCemento-2	0.472		9.43	4602.8
	AC22 bin	1.276		25.53	10338.0	BBTM 11B	0.541		10.83	4381.0
	Rellenos	1.296		25.83	14079.7					
107160.000	SCemento-1	3.040		73.28	33273.0	AC32 BaseG	1.648		32.82	13160.3
	ZA	0.868		17.36	8323.1	SCemento-2	0.471		9.43	4612.2
	AC22 bin	1.277		25.54	10363.5	BBTM 11B	0.540		10.82	4391.8
	Rellenos	1.316		26.12	14105.8					
107180.000	SCemento-1	2.472		55.12	33328.1	AC32 BaseG	2.941		45.89	13202.6
	ZA	0.868		17.36	8340.5	SCemento-2	0.472		9.44	4621.7
	AC22 bin	1.276		25.53	10389.0	BBTM 11B	0.541		10.82	4402.7
	Rellenos	1.364		26.80	14132.6					
107200.000	SCemento-1	4.288		67.60	33395.7	AC32 BaseG	1.632		45.73	13251.9
	ZA	0.868		17.36	8357.8	SCemento-2	0.472		9.44	4631.1
	AC22 bin	1.276		25.52	10414.5	BBTM 11B	0.543		10.84	4413.5
	Rellenos	1.439		28.03	14160.6					

		CAPAS DE FIRME						
		*****			*****			
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107220.000	SCemento-1	4.289	85.77	33481.5	AC32 BaseG	1.634	32.66	13284.6
	ZA	0.868	17.36	8375.2	SCemento-2	0.471	9.44	4640.5
	AC22 bin	1.277	25.53	10440.1	BBTM 11B	0.540	10.83	4424.3
	Rellenos	1.331	27.70	14188.3				
107240.000	SCemento-1	4.288	85.78	33567.2	AC32 BaseG	1.634	32.67	13317.3
	ZA	0.868	17.36	8392.5	SCemento-2	0.472	9.44	4650.0
	AC22 bin	1.276	25.53	10465.6	BBTM 11B	0.541	10.82	4435.2
	Rellenos	1.339	26.70	14215.0				
107260.000	SCemento-1	4.288	85.76	33653.0	AC32 BaseG	1.633	32.66	13349.9
	ZA	0.868	17.36	8409.9	SCemento-2	0.472	9.44	4659.4
	AC22 bin	1.276	25.51	10491.1	BBTM 11B	0.543	10.84	4446.0
	Rellenos	1.347	26.85	14241.9				
107280.000	SCemento-1	4.289	85.77	33738.8	AC32 BaseG	1.634	32.66	13382.6
	ZA	0.868	17.36	8427.3	SCemento-2	0.471	9.43	4668.8
	AC22 bin	1.277	25.53	10516.6	BBTM 11B	0.541	10.84	4456.8
	Rellenos	1.355	27.02	14268.9				
107300.000	SCemento-1	4.289	85.78	33824.5	AC32 BaseG	1.633	32.67	13415.3
	ZA	0.868	17.36	8444.6	SCemento-2	0.472	9.44	4678.3
	AC22 bin	1.276	25.53	10542.2	BBTM 11B	0.541	10.82	4467.7
	Rellenos	1.362	27.18	14296.1				
107320.000	SCemento-1	4.289	85.77	33910.3	AC32 BaseG	1.632	32.66	13447.9
	ZA	0.868	17.35	8462.0	SCemento-2	0.472	9.44	4687.7
	AC22 bin	1.277	25.52	10567.7	BBTM 11B	0.542	10.83	4478.5
	Rellenos	1.370	27.33	14323.4				
107340.000	SCemento-1	4.209	84.97	33995.3	AC32 BaseG	1.602	32.34	13480.3
	ZA	0.868	17.36	8479.3	SCemento-2	0.472	9.44	4697.2
	AC22 bin	1.253	25.30	10593.0	BBTM 11B	0.532	10.74	4489.2
	Rellenos	1.377	27.47	14350.9				
107360.000	SCemento-1	4.079	82.88	34078.2	AC32 BaseG	1.549	31.51	13511.8
	ZA	0.868	17.36	8496.7	SCemento-2	0.472	9.45	4706.6
	AC22 bin	1.217	24.70	10617.7	BBTM 11B	0.516	10.48	4499.7
	Rellenos	1.382	27.59	14378.4				
107380.000	SCemento-1	3.950	80.29	34158.5	AC32 BaseG	1.498	30.47	13542.3
	ZA	0.867	17.35	8514.0	SCemento-2	0.472	9.44	4716.1
	AC22 bin	1.181	23.98	10641.7	BBTM 11B	0.500	10.16	4509.9
	Rellenos	1.386	27.68	14406.1				

Istram 18.05.05.29 17/07/18 18:00:34 459

pagina 56

PROYECTO :

EJE: 1: Autov~~da~~ de Castilla A-62: Due^{os}-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107400.000	SCemento-1	3.820	77.70	34236.2	AC32 BaseG	1.446	29.44	13571.7	
	ZA	0.868	17.35	8531.4	SCemento-2	0.472	9.43	4725.5	
	AC22 bin	1.145	23.26	10664.9	BTM 11B	0.485	9.85	4519.7	
	Rellenos	1.387	27.72	14433.8					
107420.000	SCemento-1	3.691	75.11	34311.3	AC32 BaseG	1.393	28.38	13600.1	
	ZA	0.868	17.35	8548.7	SCemento-2	0.472	9.44	4734.9	
	AC22 bin	1.109	22.54	10687.5	BTM 11B	0.471	9.56	4529.3	
	Rellenos	1.386	27.73	14461.6					
107440.000	SCemento-1	3.561	72.52	34383.8	AC32 BaseG	1.342	27.35	13627.4	
	ZA	0.861	17.28	8566.0	SCemento-2	0.472	9.44	4744.4	
	AC22 bin	1.072	21.81	10709.3	BTM 11B	0.454	9.25	4538.5	
	Rellenos	1.385	27.71	14489.3					
107460.000	SCemento-1	2.340	59.02	34442.8	AC32 BaseG	1.363	27.05	13654.5	
	ZA	1.010	18.71	8584.7	SCemento-2	0.472	9.45	4753.8	
	AC22 bin	1.036	21.08	10730.4	BTM 11B	0.438	8.93	4547.5	
	Rellenos	2.313	36.98	14526.3					
107480.000	SCemento-1	3.414	57.54	34500.4	AC32 BaseG	1.282	26.45	13680.9	
	ZA	1.010	20.20	8604.9	SCemento-2	0.472	9.44	4763.3	
	AC22 bin	1.031	20.66	10751.0	BTM 11B	0.438	8.76	4556.2	
	Rellenos	2.307	46.20	14572.5					
107500.000	SCemento-1	3.414	68.28	34568.6	AC32 BaseG	1.284	25.66	13706.6	
	ZA	1.010	20.21	8625.1	SCemento-2	0.472	9.43	4772.7	
	AC22 bin	1.032	20.63	10771.6	BTM 11B	0.436	8.73	4564.9	
	Rellenos	2.300	46.07	14618.5					
107520.000	SCemento-1	3.414	68.28	34636.9	AC32 BaseG	1.284	25.67	13732.3	
	ZA	1.010	20.20	8645.3	SCemento-2	0.472	9.44	4782.1	
	AC22 bin	1.031	20.62	10792.3	BTM 11B	0.436	8.72	4573.7	
	Rellenos	2.290	45.90	14664.4					
107540.000	SCemento-1	3.414	68.28	34705.2	AC32 BaseG	1.282	25.66	13757.9	
	ZA	1.010	20.20	8665.5	SCemento-2	0.472	9.44	4791.6	
	AC22 bin	1.033	20.63	10812.9	BTM 11B	0.435	8.72	4582.4	
	Rellenos	2.279	45.70	14710.1					
107560.000	SCemento-1	3.414	68.28	34773.5	AC32 BaseG	1.283	25.65	13783.6	
	ZA	1.010	20.20	8685.7	SCemento-2	0.472	9.44	4801.0	
	AC22 bin	1.031	20.63	10833.5	BTM 11B	0.436	8.72	4591.1	
	Rellenos	2.266	45.46	14755.6					

Istram 18.05.05.29 17/07/18 18:00:34 459

pagina 57

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.
Tronco

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107580.000	SCemento-1	3.414	68.28	34841.7	AC32 BaseG	1.283	25.66	13809.2
	ZA	1.010	20.20	8705.9	SCemento-2	0.471	9.44	4810.5
	AC22 bin	1.033	20.64	10854.2	BBTM 11B	0.435	8.72	4599.8
	Rellenos	2.256	45.22	14800.8				
107600.000	SCemento-1	3.414	68.28	34910.0	AC32 BaseG	1.284	25.67	13834.9
	ZA	1.010	20.20	8726.1	SCemento-2	0.471	9.43	4819.9
	AC22 bin	1.032	20.65	10874.8	BBTM 11B	0.435	8.71	4608.5
	Rellenos	2.244	45.00	14845.8				
107620.000	SCemento-1	3.414	68.28	34978.3	AC32 BaseG	1.282	25.66	13860.6
	ZA	0.867	18.77	8744.9	SCemento-2	0.472	9.43	4829.3
	AC22 bin	1.033	20.65	10895.5	BBTM 11B	0.435	8.71	4617.2
	Rellenos	1.301	35.46	14881.3				
107640.000	SCemento-1	3.414	68.28	35046.6	AC32 BaseG	1.282	25.64	13886.2
	ZA	0.868	17.35	8762.3	SCemento-2	0.472	9.44	4838.8
	AC22 bin	1.032	20.64	10916.1	BBTM 11B	0.437	8.72	4626.0
	Rellenos	1.290	25.91	14907.2				
107660.000	SCemento-1	3.413	68.27	35114.9	AC32 BaseG	1.284	25.66	13911.9
	ZA	0.868	17.36	8779.6	SCemento-2	0.472	9.44	4848.2
	AC22 bin	1.031	20.63	10936.8	BBTM 11B	0.436	8.73	4634.7
	Rellenos	1.279	25.69	14932.9				
107680.000	SCemento-1	3.414	68.27	35183.1	AC32 BaseG	1.284	25.68	13937.6
	ZA	0.868	17.36	8797.0	SCemento-2	0.472	9.44	4857.6
	AC22 bin	1.031	20.62	10957.4	BBTM 11B	0.436	8.73	4643.4
	Rellenos	1.269	25.48	14958.3				
107700.000	SCemento-1	3.414	68.28	35251.4	AC32 BaseG	1.283	25.67	13963.2
	ZA	0.868	17.36	8814.3	SCemento-2	0.471	9.43	4867.1
	AC22 bin	1.033	20.64	10978.0	BBTM 11B	0.435	8.72	4652.1
	Rellenos	1.259	25.27	14983.6				
107720.000	SCemento-1	3.414	68.28	35319.7	AC32 BaseG	1.282	25.65	13988.9
	ZA	1.010	18.78	8833.1	SCemento-2	0.472	9.43	4876.5
	AC22 bin	1.031	20.64	10998.7	BBTM 11B	0.438	8.73	4660.9
	Rellenos	2.180	34.39	15018.0				
107740.000	SCemento-1	3.414	68.28	35388.0	AC32 BaseG	1.284	25.66	14014.5
	ZA	1.010	20.20	8853.3	SCemento-2	0.472	9.44	4885.9
	AC22 bin	1.031	20.62	11019.3	BBTM 11B	0.435	8.73	4669.6
	Rellenos	2.171	43.51	15061.5				

Istram 18.05.05.29 17/07/18 18:00:34 459

pagina 58

PROYECTO :

EJE: 1: Autov~~da~~ de Castilla A-62: Due^os-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107760.000	SCemento-1	3.414	68.28	35456.3	AC32 BaseG	1.284	25.68	14040.2	
	ZA	1.010	20.20	8873.5	SCemento-2	0.471	9.44	4895.4	
	AC22 bin	1.031	20.62	11039.9	BBTM 11B	0.436	8.72	4678.3	
	Rellenos	2.160	43.31	15104.8					
107780.000	SCemento-1	3.414	68.27	35524.5	AC32 BaseG	1.284	25.67	14065.9	
	ZA	1.010	20.20	8893.7	SCemento-2	0.472	9.44	4904.8	
	AC22 bin	1.031	20.62	11060.5	BBTM 11B	0.436	8.73	4687.0	
	Rellenos	2.150	43.11	15147.9					
107800.000	SCemento-1	3.414	68.28	35592.8	AC32 BaseG	1.284	25.68	14091.6	
	ZA	0.868	18.78	8912.5	SCemento-2	0.472	9.45	4914.3	
	AC22 bin	1.031	20.61	11081.1	BBTM 11B	0.435	8.72	4695.8	
	Rellenos	1.216	33.67	15181.6					
107820.000	SCemento-1	3.413	68.28	35661.1	AC32 BaseG	1.284	25.68	14117.2	
	ZA	1.009	18.77	8931.3	SCemento-2	0.472	9.44	4923.7	
	AC22 bin	1.031	20.62	11101.7	BBTM 11B	0.436	8.72	4704.5	
	Rellenos	2.180	33.97	15215.6					
107840.000	SCemento-1	3.414	68.27	35729.4	AC32 BaseG	1.283	25.67	14142.9	
	ZA	1.004	20.13	8951.4	SCemento-2	0.472	9.44	4933.1	
	AC22 bin	1.030	20.62	11122.4	BBTM 11B	0.436	8.73	4713.2	
	Rellenos	2.150	43.31	15258.9					
107860.000	SCemento-1	3.414	68.28	35797.6	AC32 BaseG	1.283	25.67	14168.6	
	ZA	1.010	20.14	8971.5	SCemento-2	0.472	9.44	4942.6	
	AC22 bin	1.031	20.61	11143.0	BBTM 11B	0.436	8.73	4721.9	
	Rellenos	2.114	42.64	15301.5					
107880.000	SCemento-1	3.414	68.28	35865.9	AC32 BaseG	1.282	25.65	14194.2	
	ZA	1.010	20.20	8991.7	SCemento-2	0.472	9.44	4952.0	
	AC22 bin	1.033	20.63	11163.6	BBTM 11B	0.435	8.72	4730.6	
	Rellenos	2.107	42.20	15343.7					
107900.000	SCemento-1	3.414	68.28	35934.2	AC32 BaseG	1.283	25.65	14219.9	
	ZA	1.009	20.19	9011.9	SCemento-2	0.472	9.44	4961.5	
	AC22 bin	1.030	20.63	11184.2	BBTM 11B	0.436	8.72	4739.4	
	Rellenos	2.101	42.07	15385.8					
107920.000	SCemento-1	2.744	61.58	35995.8	AC32 BaseG	1.764	30.47	14250.4	
	ZA	1.009	20.18	9032.1	SCemento-2	0.472	9.44	4970.9	
	AC22 bin	1.031	20.61	11204.9	BBTM 11B	0.438	8.74	4748.1	
	Rellenos	2.100	42.00	15427.8					

Istram 18.05.05.29 17/07/18 18:00:34 459

pagina 59

PROYECTO :

EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107940.000	SCemento-1	3.413	61.57	36057.3	AC32 BaseG	1.284	30.48	14280.8	
	ZA	1.010	20.19	9052.3	SCemento-2	0.472	9.43	4980.3	
	AC22 bin	1.031	20.62	11225.5	BTM 11B	0.436	8.74	4756.8	
	Rellenos	2.103	42.03	15469.8					

107960.000	SCemento-1	3.414	68.26	36125.6	AC32 BaseG	1.283	25.68	14306.5
	ZA	1.010	20.20	9072.5	SCemento-2	0.472	9.44	4989.8
	AC22 bin	1.031	20.62	11246.1	BBTM 11B	0.436	8.73	4765.6
107980.000	Rellenos	2.110	42.14	15512.0				
	SCemento-1	3.414	68.28	36193.9	AC32 BaseG	1.283	25.67	14332.2
	ZA	1.010	20.20	9092.7	SCemento-2	0.471	9.44	4999.2
108000.000	AC22 bin	1.033	20.64	11266.7	BBTM 11B	0.435	8.72	4774.3
	Rellenos	2.121	42.31	15554.3				
	SCemento-1	3.413	68.27	36262.2	AC32 BaseG	1.284	25.67	14357.9
108020.000	ZA	0.868	18.78	9111.5	SCemento-2	0.472	9.43	5008.6
	AC22 bin	1.031	20.64	11287.4	BBTM 11B	0.436	8.72	4783.0
	Rellenos	1.199	33.20	15587.5				
108040.000	SCemento-1	3.414	68.27	36330.4	AC32 BaseG	1.283	25.67	14383.5
	ZA	0.868	17.35	9128.8	SCemento-2	0.472	9.44	5018.1
	AC22 bin	1.030	20.62	11308.0	BBTM 11B	0.436	8.73	4791.7
108060.000	Rellenos	1.213	24.12	15611.6				
	SCemento-1	3.414	68.28	36398.7	AC32 BaseG	1.282	25.66	14409.2
	ZA	0.868	17.36	9146.2	SCemento-2	0.472	9.44	5027.5
108080.000	AC22 bin	1.033	20.63	11328.6	BBTM 11B	0.435	8.72	4800.4
	Rellenos	1.228	24.41	15636.0				
	SCemento-1	3.413	68.27	36467.0	AC32 BaseG	1.284	25.66	14434.9
108100.000	ZA	0.868	17.36	9163.6	SCemento-2	0.472	9.44	5037.0
	AC22 bin	1.031	20.64	11349.3	BBTM 11B	0.436	8.72	4809.2
	Rellenos	1.242	24.70	15660.7				
108120.000	SCemento-1	3.414	68.27	36535.2	AC32 BaseG	1.283	25.68	14460.5
	ZA	0.868	17.36	9180.9	SCemento-2	0.472	9.44	5046.4
	AC22 bin	1.031	20.62	11369.9	BBTM 11B	0.436	8.73	4817.9
108140.000	Rellenos	1.256	24.98	15685.7				
	SCemento-1	3.414	68.27	36603.5	AC32 BaseG	1.284	25.67	14486.2
	ZA	0.868	17.36	9198.3	SCemento-2	0.472	9.44	5055.8
108160.000	AC22 bin	1.031	20.62	11390.5	BBTM 11B	0.436	8.73	4826.6
	Rellenos	1.268	25.24	15710.9				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 60
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108120.000	SCemento-1	3.414		68.28	36671.8	AC32 BaseG	1.282		25.66	14511.9
	ZA	0.868		17.36	9215.6	SCemento-2	0.472		9.44	5065.3
	AC22 bin	1.031		20.62	11411.1	BBTM 11B	0.438		8.74	4835.4
	Rellenos	1.280		25.48	15736.4					
108140.000	SCemento-1	3.413		68.27	36740.1	AC32 BaseG	1.283		25.65	14537.5
	ZA	0.868		17.36	9233.0	SCemento-2	0.472		9.44	5074.7
	AC22 bin	1.031		20.62	11431.7	BBTM 11B	0.438		8.75	4844.1
	Rellenos	1.290		25.70	15762.1					
108160.000	SCemento-1	3.414		68.27	36808.3	AC32 BaseG	1.282		25.65	14563.2
	ZA	0.868		17.36	9250.3	SCemento-2	0.472		9.44	5084.2
	AC22 bin	1.031		20.62	11452.4	BBTM 11B	0.438		8.75	4852.9
	Rellenos	1.300		25.90	15788.0					
108180.000	SCemento-1	3.414		68.28	36876.6	AC32 BaseG	1.282		25.64	14588.8
	ZA	0.868		17.36	9267.7	SCemento-2	0.472		9.44	5093.6
	AC22 bin	1.031		20.62	11473.0	BBTM 11B	0.438		8.75	4861.6
	Rellenos	1.308		26.08	15814.1					
108200.000	SCemento-1	3.414		68.28	36944.9	AC32 BaseG	1.283		25.65	14614.4
	ZA	0.868		17.36	9285.1	SCemento-2	0.472		9.44	5103.0
	AC22 bin	1.031		20.62	11493.6	BBTM 11B	0.436		8.74	4870.3
	Rellenos	1.315		26.24	15840.3					
108220.000	SCemento-1	3.414		68.27	37013.2	AC32 BaseG	1.283		25.67	14640.1
	ZA	0.868		17.36	9302.4	SCemento-2	0.472		9.45	5112.5
	AC22 bin	1.031		20.62	11514.2	BBTM 11B	0.436		8.73	4879.1
	Rellenos	1.322		26.37	15866.7					
108240.000	SCemento-1	3.414		68.28	37081.4	AC32 BaseG	1.283		25.67	14665.8
	ZA	0.868		17.36	9319.8	SCemento-2	0.471		9.44	5121.9
	AC22 bin	1.033		20.64	11534.8	BBTM 11B	0.435		8.72	4887.8
	Rellenos	1.328		26.50	15893.2					
108260.000	SCemento-1	3.414		68.28	37149.7	AC32 BaseG	1.284		25.67	14691.5
	ZA	0.868		17.36	9337.1	SCemento-2	0.471		9.43	5131.4
	AC22 bin	1.032		20.65	11555.5	BBTM 11B	0.435		8.71	4896.5
	Rellenos	1.333		26.61	15919.8					
108280.000	SCemento-1	3.414		68.28	37218.0	AC32 BaseG	1.282		25.66	14717.1
	ZA	0.868		17.36	9354.5	SCemento-2	0.472		9.44	5140.8
	AC22 bin	1.031		20.63	11576.1	BBTM 11B	0.438		8.73	4905.2
	Rellenos	1.337		26.69	15946.5					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 61
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

Tronco										
***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME *****										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108300.000	SCemento-1	3.414		68.28	37286.3	AC32 BaseG	1.283		25.66	14742.8
	ZA	0.868		17.36	9371.8	SCemento-2	0.472		9.44	5150.2
	AC22 bin	1.031		20.62	11596.7	BBTM 11B	0.436		8.74	4914.0
	Rellenos	1.340		26.77	15973.3					
108320.000	SCemento-1	3.414		68.27	37354.5	AC32 BaseG	1.283		25.67	14768.4
	ZA	0.868		17.36	9389.2	SCemento-2	0.472		9.44	5159.7

108340.000	AC22 bin	1.031	20.62	11617.4	BBTM 11B	0.436	8.73	4922.7
	Rellenos	1.342	26.82	16000.1				
	SCemento-1	3.413	68.27	37422.8	AC32 BaseG	1.284	25.67	14794.1
108360.000	ZA	0.868	17.36	9406.6	SCemento-2	0.472	9.44	5169.1
	AC22 bin	1.031	20.62	11638.0	BBTM 11B	0.436	8.73	4931.4
	Rellenos	1.345	26.87	16027.0				
108380.000	SCemento-1	3.415	68.28	37491.1	AC32 BaseG	1.284	25.68	14819.8
	ZA	0.868	17.36	9423.9	SCemento-2	0.472	9.44	5178.6
	AC22 bin	1.031	20.62	11658.6	BBTM 11B	0.435	8.72	4940.1
108400.000	Rellenos	1.346	26.90	16053.9				
	SCemento-1	3.414	68.29	37559.4	AC32 BaseG	1.282	25.66	14845.4
	ZA	0.868	17.36	9441.3	SCemento-2	0.472	9.44	5188.0
108420.000	AC22 bin	1.031	20.62	11679.2	BBTM 11B	0.438	8.73	4948.9
	Rellenos	1.346	26.91	16080.8				
	SCemento-1	3.414	68.28	37627.7	AC32 BaseG	1.284	25.66	14871.1
108440.000	ZA	0.868	17.36	9458.6	SCemento-2	0.472	9.44	5197.4
	AC22 bin	1.030	20.61	11699.8	BBTM 11B	0.436	8.74	4957.6
	Rellenos	1.345	26.91	16107.7				
108460.000	SCemento-1	3.414	68.27	37695.9	AC32 BaseG	1.283	25.67	14896.8
	ZA	0.868	17.36	9476.0	SCemento-2	0.472	9.44	5206.9
	AC22 bin	1.031	20.62	11720.5	BBTM 11B	0.436	8.73	4966.3
108480.000	Rellenos	1.345	26.90	16134.6				
	SCemento-1	3.413	68.27	37764.2	AC32 BaseG	1.284	25.68	14922.5
	ZA	0.868	17.36	9493.3	SCemento-2	0.472	9.43	5216.3
108500.000	AC22 bin	1.031	20.62	11741.1	BBTM 11B	0.436	8.73	4975.1
	Rellenos	1.343	26.87	16161.5				
	SCemento-1	3.414	68.27	37832.5	AC32 BaseG	1.284	25.68	14948.1
108520.000	ZA	0.868	17.36	9510.7	SCemento-2	0.471	9.43	5225.7
	AC22 bin	1.032	20.63	11761.7	BBTM 11B	0.435	8.72	4983.8
	Rellenos	1.342	26.84	16188.3				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 62
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
108480.000	SCemento-1	3.414		68.28		37900.7		AC32 BaseG	1.283		25.67		14973.8	
	ZA	0.868		17.36		9528.1		SCemento-2	0.472		9.44		5235.2	
	AC22 bin	1.031		20.63		11782.3		BBTM 11B	0.436		8.72		4992.5	
	Rellenos	1.339		26.81		16215.1								
108500.000	SCemento-1	3.413		68.26		37969.0		AC32 BaseG	1.283		25.66		14999.5	
	ZA	0.868		17.36		9545.4		SCemento-2	0.472		9.44		5244.6	
	AC22 bin	1.031		20.62		11803.0		BBTM 11B	0.438		8.74		5001.2	
	Rellenos	1.338		26.77		16241.9								
108520.000	SCemento-1	3.414		68.27		38037.3		AC32 BaseG	1.284		25.67		15025.1	
	ZA	0.868		17.36		9562.8		SCemento-2	0.471		9.43		5254.1	
	AC22 bin	1.032		20.63		11823.6		BBTM 11B	0.435		8.73		5010.0	
	Rellenos	1.336		26.74		16268.6								
108540.000	SCemento-1	3.414		68.28		38105.6		AC32 BaseG	1.284		25.68		15050.8	
	ZA	0.868		17.36		9580.1		SCemento-2	0.472		9.44		5263.5	
	AC22 bin	1.031		20.63		11844.2		BBTM 11B	0.435		8.71		5018.7	
	Rellenos	1.334		26.71		16295.3								
108560.000	SCemento-1	3.414		68.28		38173.8		AC32 BaseG	1.282		25.66		15076.5	
	ZA	0.868		17.36		9597.5		SCemento-2	0.472		9.44		5272.9	
	AC22 bin	1.032		20.63		11864.8		BBTM 11B	0.437		8.72		5027.4	
	Rellenos	1.333		26.67		16322.0								
108580.000	SCemento-1	3.414		68.28		38242.1		AC32 BaseG	1.284		25.66		15102.1	
	ZA	0.868		17.36		9614.8		SCemento-2	0.471		9.43		5282.4	
	AC22 bin	1.032		20.64		11885.5		BBTM 11B	0.436		8.73		5036.1	
	Rellenos	1.331		26.64		16348.6								
108600.000	SCemento-1	3.414		68.28		38310.4		AC32 BaseG	1.284		25.68		15127.8	
	ZA	0.868		17.36		9632.2		SCemento-2	0.472		9.44		5291.8	
	AC22 bin	1.031		20.62		11906.1		BBTM 11B	0.435		8.71		5044.8	
	Rellenos	1.329		26.61		16375.2								
108620.000	SCemento-1	3.414		68.28		38378.7		AC32 BaseG	1.283		25.67		15153.5	
	ZA	0.868		17.36		9649.6		SCemento-2	0.472		9.44		5301.3	
	AC22 bin	1.033		20.63		11926.7		BBTM 11B	0.435		8.71		5053.5	
	Rellenos	1.328		26.58		16401.8								
108640.000	SCemento-1	3.414		68.28		38447.0		AC32 BaseG	1.283		25.66		15179.1	
	ZA	0.868		17.36		9666.9		SCemento-2	0.472		9.44		5310.7	
	AC22 bin	1.030		20.63		11947.4		BBTM 11B	0.436		8.72		5062.3	
	Rellenos	1.326		26.54		16428.4								

108720.000	AC22 bin	1.031	20.64	12009.3	BBTM 11B	0.436	8.72	5088.4
	Rellenos	1.321	26.44	16507.8				
	SCemento-1	3.413	68.26	38720.0	AC32 BaseG	1.284	25.68	15281.8
108740.000	ZA	0.868	17.36	9736.3	SCemento-2	0.472	9.44	5348.4
	AC22 bin	1.031	20.62	12029.9	BBTM 11B	0.436	8.73	5097.1
	Rellenos	1.319	26.40	16534.2				
108760.000	SCemento-1	3.414	68.27	38788.3	AC32 BaseG	1.284	25.68	15307.5
	ZA	0.868	17.36	9753.7	SCemento-2	0.471	9.43	5357.9
	AC22 bin	1.032	20.63	12050.5	BBTM 11B	0.435	8.72	5105.9
108780.000	Rellenos	1.318	26.37	16560.6				
	SCemento-1	3.414	68.28	38856.6	AC32 BaseG	1.283	25.67	15333.2
	ZA	0.868	17.35	9771.1	SCemento-2	0.472	9.44	5367.3
108800.000	AC22 bin	1.031	20.63	12071.1	BBTM 11B	0.436	8.72	5114.6
	Rellenos	1.316	26.34	16586.9				
	SCemento-1	3.414	68.28	38924.9	AC32 BaseG	1.282	25.65	15358.9
108820.000	ZA	0.868	17.36	9788.4	SCemento-2	0.472	9.44	5376.8
	AC22 bin	1.031	20.62	12091.8	BBTM 11B	0.438	8.74	5123.3
	Rellenos	1.314	26.30	16613.2				
108840.000	SCemento-1	3.414	68.28	38993.1	AC32 BaseG	1.284	25.66	15384.5
	ZA	1.008	18.76	9807.2	SCemento-2	0.471	9.44	5386.2
	AC22 bin	1.032	20.63	12112.4	BBTM 11B	0.436	8.73	5132.0
108860.000	Rellenos	1.686	30.00	16643.2				
	SCemento-1	3.414	68.28	39061.4	AC32 BaseG	1.284	25.68	15410.2
	ZA	0.999	20.07	9827.2	SCemento-2	0.472	9.44	5395.6
108880.000	AC22 bin	1.031	20.62	12133.0	BBTM 11B	0.435	8.71	5140.8
	Rellenos	1.562	32.48	16675.7				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 64
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
108840.000	SCemento-1	3.414	68.28	39129.7	AC32 BaseG	1.282	25.66	15435.8	
	ZA	0.863	18.62	9845.9	SCemento-2	0.472	9.44	5405.1	
	AC22 bin	1.032	20.63	12153.6	BBTM 11B	0.437	8.72	5149.5	
108860.000	Rellenos	1.309	28.71	16704.4					
	SCemento-1	3.525	69.39	39199.1	AC32 BaseG	1.328	26.10	15461.9	
	ZA	0.841	17.04	9862.9	SCemento-2	0.473	9.45	5414.5	
	AC22 bin	1.061	20.93	12174.6	BBTM 11B	0.450	8.87	5158.4	
108880.000	Rellenos	1.306	26.15	16730.6					
	SCemento-1	3.655	71.80	39270.9	AC32 BaseG	1.380	27.07	15489.0	
	ZA	0.832	16.73	9879.6	SCemento-2	0.472	9.45	5424.0	
	AC22 bin	1.098	21.59	12196.2	BBTM 11B	0.465	9.15	5167.5	
108900.000	Rellenos	1.301	26.07	16756.6					
	SCemento-1	3.784	74.39	39345.3	AC32 BaseG	1.431	28.10	15517.1	
	ZA	0.838	16.71	9896.3	SCemento-2	0.472	9.44	5433.4	
	AC22 bin	1.136	22.34	12218.5	BBTM 11B	0.480	9.45	5177.0	
108920.000	Rellenos	1.305	26.06	16782.7					
	SCemento-1	3.913	76.97	39422.3	AC32 BaseG	1.483	29.14	15546.3	
	ZA	0.832	16.70	9913.0	SCemento-2	0.471	9.43	5442.8	
	AC22 bin	1.172	23.08	12241.6	BBTM 11B	0.496	9.76	5186.7	
108940.000	Rellenos	1.307	26.11	16808.8					
	SCemento-1	4.043	79.56	39501.8	AC32 BaseG	1.535	30.19	15576.5	
	ZA	0.825	16.57	9929.6	SCemento-2	0.472	9.43	5452.3	
	AC22 bin	1.207	23.79	12265.4	BBTM 11B	0.512	10.08	5196.8	
108960.000	Rellenos	1.311	26.18	16835.0					
	SCemento-1	4.172	82.15	39584.0	AC32 BaseG	1.587	31.22	15607.7	
	ZA	1.004	18.28	9947.9	SCemento-2	0.472	9.44	5461.7	
	AC22 bin	1.243	24.50	12289.9	BBTM 11B	0.527	10.39	5207.2	
108980.000	Rellenos	1.638	29.49	16864.5					
	SCemento-1	2.835	70.07	39654.0	AC32 BaseG	2.655	42.42	15650.1	
	ZA	1.010	20.14	9968.0	SCemento-2	0.472	9.45	5471.2	
	AC22 bin	1.276	25.19	12315.1	BBTM 11B	0.541	10.68	5217.9	
109000.000	Rellenos	2.243	38.81	16903.3					
	SCemento-1	4.288	71.24	39725.3	AC32 BaseG	1.632	42.87	15693.0	
	ZA	1.010	20.20	9988.2	SCemento-2	0.472	9.44	5480.6	
	AC22 bin	1.276	25.52	12340.6	BBTM 11B	0.543	10.84	5228.7	
	Rellenos	2.303	45.46	16948.7					

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 65
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109020.000	SCemento-1	4.289	85.77	39811.0	AC32 BaseG	1.634	32.66	15725.6	
	ZA	1.010	20.20	10008.4	SCemento-2	0.471	9.44	5490.0	
	AC22 bin	1.277	25.53	12366.1	BBTM 11B	0.540	10.83	5239.5	
109040.000	Rellenos	2.326	46.29	16995.0					
	SCemento-1	4.290	85.79	39896.8	AC32 BaseG	1.634	32.68	15758.3	
	ZA	1.010	20.20	10028.6	SCemento-2	0.472	9.44	5499.5	
	AC22 bin	1.276	25.53	12391.6	BBTM 11B	0.540	10.81	5250.3	
109060.000	Rellenos	2.350	46.76	17041.8					
	SCemento-1	2.442	67.32	39964.1	AC32 BaseG	2.962	45.96	15804.3	
	ZA	1.010	20.20	10048.8	SCemento-2	0.472	9.44	5508.9	
	AC22 bin	1.276	25.51	12417.1	BBTM 11B	0.543	10.83	5261.2	
109080.000	Rellenos	2.380	47.30	17089.1					
	SCemento-1	3.630	60.72	40024.9	AC32 BaseG	2.110	50.72	15855.0	
	ZA	1.010	20.20	10069.0	SCemento-2	0.470	9.42	5518.3	

109100.000	AC22 bin	1.276	25.51	12442.7	BBTM 11B	0.541	10.84	5272.0
	Rellenos	2.425	48.05	17137.1				
	SCemento-1	4.298	79.28	40104.1	AC32 BaseG	1.634	37.44	15892.4
109120.000	ZA	1.009	20.19	10089.2	SCemento-2	0.465	9.36	5527.7
	AC22 bin	1.276	25.52	12468.2	BBTM 11B	0.541	10.82	5282.8
	Rellenos	2.455	48.79	17185.9				
109140.000	SCemento-1	4.302	86.00	40190.1	AC32 BaseG	1.632	32.66	15925.1
	ZA	1.008	20.17	10109.4	SCemento-2	0.460	9.26	5537.0
	AC22 bin	1.278	25.54	12493.7	BBTM 11B	0.540	10.81	5293.6
109160.000	Rellenos	2.464	49.19	17235.1				
	SCemento-1	2.841	71.44	40261.6	AC32 BaseG	1.335	29.68	15954.8
	ZA	1.009	20.17	10129.6	SCemento-2	0.456	9.17	5546.1
109180.000	AC22 bin	1.030	23.08	12516.8	BBTM 11B	0.436	9.76	5303.4
	Rellenos	2.390	48.54	17283.7				
	SCemento-1	2.839	56.81	40318.4	AC32 BaseG	1.509	28.44	15983.2
109180.000	ZA	1.009	20.17	10149.7	SCemento-2	0.452	9.09	5555.2
	AC22 bin	1.031	20.61	12537.4	BBTM 11B	0.435	8.72	5312.1
	Rellenos	2.313	47.03	17330.7				
109180.000	SCemento-1	2.841	56.80	40375.2	AC32 BaseG	1.477	29.86	16013.1
	ZA	0.846	18.55	10168.3	SCemento-2	0.451	9.03	5564.2
	AC22 bin	1.032	20.62	12558.0	BBTM 11B	0.435	8.71	5320.8
109180.000	Rellenos	1.376	36.89	17367.6				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 66
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109200.000	SCemento-1	2.497	53.38	40428.6	AC32 BaseG	1.249	27.25	16040.3	
	ZA	0.919	17.65	10185.9	SCemento-2	0.450	9.01	5573.3	
	AC22 bin	1.031	20.63	12578.7	BBTM 11B	0.436	8.72	5329.6	
109220.000	Rellenos	1.470	28.46	17396.0					
	SCemento-1	2.461	49.58	40478.1	AC32 BaseG	1.117	23.66	16064.0	
	ZA	1.010	19.29	10205.2	SCemento-2	0.451	9.01	5582.3	
	AC22 bin	1.026	20.57	12599.2	BBTM 11B	0.435	8.72	5338.3	
109240.000	Rellenos	1.744	32.14	17428.2					
	SCemento-1	2.479	49.40	40527.5	AC32 BaseG	1.122	22.39	16086.4	
	ZA	1.010	20.20	10225.4	SCemento-2	0.451	9.01	5591.3	
	AC22 bin	1.027	20.52	12619.8	BBTM 11B	0.436	8.71	5347.0	
109260.000	Rellenos	2.172	39.16	17467.3					
	SCemento-1	3.421	59.00	40586.5	AC32 BaseG	1.286	24.08	16110.4	
	ZA	0.969	19.79	10245.2	SCemento-2	0.450	9.01	5600.3	
	AC22 bin	1.031	20.58	12640.3	BBTM 11B	0.436	8.72	5355.7	
109280.000	Rellenos	1.955	41.27	17508.6					
	SCemento-1	3.421	68.42	40655.0	AC32 BaseG	1.285	25.71	16136.1	
	ZA	0.991	19.60	10264.8	SCemento-2	0.450	9.01	5609.3	
	AC22 bin	1.032	20.63	12661.0	BBTM 11B	0.437	8.73	5364.4	
109300.000	Rellenos	1.969	39.25	17547.8					
	SCemento-1	3.420	68.41	40723.4	AC32 BaseG	1.286	25.71	16161.9	
	ZA	1.004	19.95	10284.8	SCemento-2	0.451	9.01	5618.3	
	AC22 bin	1.031	20.63	12681.6	BBTM 11B	0.436	8.73	5373.2	
109320.000	Rellenos	2.007	39.76	17587.6					
	SCemento-1	3.421	68.42	40791.8	AC32 BaseG	1.287	25.73	16187.6	
	ZA	0.966	19.70	10304.5	SCemento-2	0.450	9.01	5627.3	

109480.000	AC22 bin	1.032	20.63	12839.8	BBTM 11B	0.437	8.72	5443.0
	Rellenos	2.204	44.46	17893.6				
	SCemento-1	3.421	68.41	41289.9	AC32 BaseG	1.286	25.71	16377.3
	ZA	1.010	20.20	10458.6	SCemento-2	0.451	9.01	5699.4
109500.000	AC22 bin	1.031	20.63	12860.4	BBTM 11B	0.436	8.73	5451.7
	Rellenos	2.158	43.62	17937.3				
	SCemento-1	3.421	68.41	41358.3	AC32 BaseG	1.286	25.72	16403.0
	ZA	1.010	20.20	10478.8	SCemento-2	0.450	9.01	5708.4
109520.000	AC22 bin	1.031	20.63	12881.0	BBTM 11B	0.436	8.72	5460.4
	Rellenos	2.114	42.71	17980.0				
	SCemento-1	3.421	68.42	41426.7	AC32 BaseG	1.286	25.72	16428.7
	ZA	1.010	20.20	10499.0	SCemento-2	0.450	9.01	5717.4
109540.000	AC22 bin	1.031	20.63	12901.6	BBTM 11B	0.437	8.73	5469.1
	Rellenos	2.069	41.83	18021.8				
	SCemento-1	3.421	68.42	41495.1	AC32 BaseG	1.285	25.70	16454.4
	ZA	1.005	20.15	10519.2	SCemento-2	0.450	9.01	5726.4
	AC22 bin	1.033	20.64	12922.3	BBTM 11B	0.436	8.73	5477.9
	Rellenos	2.030	40.98	18062.8				

Istram 18.05.05.29 17/07/18 18:00:34 459 pagina 68
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109560.000	SCemento-1	3.421	68.42	41563.6	AC32 BaseG	1.286	25.71	16480.1
	ZA	0.992	19.97	10539.2	SCemento-2	0.450	9.01	5735.4
	AC22 bin	1.031	20.64	12942.9	BBTM 11B	0.436	8.72	5486.6
	Rellenos	1.971	40.01	18102.8				
109580.000	SCemento-1	3.421	68.42	41632.0	AC32 BaseG	1.287	25.73	16505.9
	ZA	0.778	17.70	10556.9	SCemento-2	0.450	9.01	5744.4
	AC22 bin	1.031	20.63	12963.5	BBTM 11B	0.436	8.73	5495.3
	Rellenos	1.174	31.45	18134.2				
109600.000	SCemento-1	3.421	68.43	41700.4	AC32 BaseG	1.286	25.73	16531.6
	ZA	1.010	17.87	10574.7	SCemento-2	0.450	9.01	5753.4
	AC22 bin	1.032	20.63	12984.2	BBTM 11B	0.436	8.72	5504.0
	Rellenos	1.935	31.08	18165.3				
109620.000	SCemento-1	2.507	59.28	41759.7	AC32 BaseG	0.952	22.38	16554.0
	ZA	1.009	20.19	10594.9	SCemento-2	0.451	9.01	5762.4
	AC22 bin	0.952	19.84	13004.0	BBTM 11B	0.436	8.72	5512.8
	Rellenos	2.235	41.70	18207.0				
109640.000	SCemento-1	1.248	37.55	41797.2	AC32 BaseG	0.652	16.04	16570.0
	ZA	1.009	20.18	10615.1	SCemento-2	0.451	9.01	5771.5
	AC22 bin	0.859	18.11	13022.1	BBTM 11B	0.435	8.71	5521.5
	Rellenos	2.226	44.61	18251.6				
109660.000	SCemento-1	1.763	30.11	41827.3	AC32 BaseG	1.105	17.57	16587.6
	ZA	1.009	20.18	10635.3	SCemento-2	0.453	9.03	5780.5
	AC22 bin	1.032	18.90	13041.0	BBTM 11B	0.435	8.70	5530.2
	Rellenos	2.212	44.38	18296.0				
109680.000	SCemento-1	2.084	38.47	41865.8	AC32 BaseG	1.976	30.82	16618.4
	ZA	1.008	20.17	10655.4	SCemento-2	0.458	9.10	5789.6
	AC22 bin	1.032	20.64	13061.7	BBTM 11B	0.436	8.71	5538.9
	Rellenos	1.934	41.46	18337.5				
109700.000	SCemento-1	3.426	55.10	41920.9	AC32 BaseG	1.284	32.60	16651.0
	ZA	1.008	20.16	10675.6	SCemento-2	0.463	9.20	5798.8
	AC22 bin	1.031	20.63	13082.3	BBTM 11B	0.436	8.72	5547.6
	Rellenos	1.785	37.19	18374.7				
109720.000	SCemento-1	3.420	68.46	41989.4	AC32 BaseG	1.284	25.68	16676.7
	ZA	0.994	20.03	10695.6	SCemento-2	0.468	9.31	5808.1
	AC22 bin	1.031	20.62	13102.9	BBTM 11B	0.435	8.71	5556.3
	Rellenos	1.606	33.90	18408.6				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 69
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109740.000	SCemento-1	3.413	68.33	42057.7	AC32 BaseG	1.284	25.68	16702.3
	ZA	0.937	19.31	10715.0	SCemento-2	0.472	9.40	5817.5
	AC22 bin	1.031	20.62	13123.6	BBTM 11B	0.436	8.71	5565.0
	Rellenos	1.392	29.98	18438.6				
109760.000	SCemento-1	3.414	68.27	42126.0	AC32 BaseG	1.284	25.68	16728.0
	ZA	0.724	16.61	10731.6	SCemento-2	0.471	9.43	5826.9
	AC22 bin	1.032	20.63	13144.2	BBTM 11B	0.435	8.72	5573.8
	Rellenos	1.016	24.08	18462.6				
109780.000	SCemento-1	3.414	68.28	42194.3	AC32 BaseG	1.283	25.67	16753.7
	ZA	0.731	14.55	10746.1	SCemento-2	0.472	9.44	5836.4
	AC22 bin	1.031	20.63	13164.8	BBTM 11B	0.436	8.72	5582.5
	Rellenos	0.993	20.09	18482.7				
109800.000	SCemento-1	3.414	68.28	42262.5	AC32 BaseG	1.284	25.67	16779.4
	ZA	0.731	14.62	10760.7	SCemento-2	0.472	9.44	5845.8
	AC22 bin	1.032	20.63	13185.4	BBTM 11B	0.436	8.72	5591.2
	Rellenos	0.964	19.57	18502.3				
109820.000	SCemento-1	3.414	68.28	42330.8	AC32 BaseG	1.284	25.67	16805.0
	ZA	0.722	14.53	10775.3	SCemento-2	0.472	9.43	5855.2
	AC22 bin	1.031	20.63	13206.1	BBTM 11B	0.436	8.72	5599.9
	Rellenos	0.942	19.06	18521.4				
109840.000	SCemento-1	4.288	77.02	42407.8	AC32 BaseG	1.634	29.17	16834.2
	ZA	0.714	14.36	10789.6	SCemento-2	0.472	9.44	5864.7

109860.000	AC22 bin	1.276	23.07	13229.1	BBTM 11B	0.541	9.78	5609.7
	Rellenos	0.928	18.70	18540.1				
	SCemento-1	4.289	85.77	42493.6	AC32 BaseG	1.632	32.66	16866.9
	ZA	0.712	14.26	10803.9	SCemento-2	0.472	9.45	5874.1
109880.000	AC22 bin	1.278	25.54	13254.7	BBTM 11B	0.541	10.82	5620.5
	Rellenos	0.923	18.50	18558.6				
	SCemento-1	4.289	85.78	42579.4	AC32 BaseG	1.632	32.64	16899.5
	ZA	0.712	14.23	10818.1	SCemento-2	0.472	9.44	5883.6
109900.000	AC22 bin	1.278	25.56	13280.2	BBTM 11B	0.541	10.82	5631.3
	Rellenos	0.926	18.49	18577.0				
	SCemento-1	4.288	85.77	42665.2	AC32 BaseG	1.634	32.66	16932.2
	ZA	0.717	14.29	10832.4	SCemento-2	0.472	9.44	5893.0
	AC22 bin	1.276	25.54	13305.8	BBTM 11B	0.541	10.82	5642.2
	Rellenos	0.938	18.64	18595.7				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 70
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
109920.000	SCemento-1	4.290	85.78	42750.9	AC32 BaseG	1.634	32.68	16964.8
	ZA	0.729	14.46	10846.9	SCemento-2	0.473	9.45	5902.5
	AC22 bin	1.276	25.51	13331.3	BBTM 11B	0.540	10.82	5653.0
	Rellenos	0.958	18.96	18614.6				
109940.000	SCemento-1	4.289	85.79	42836.7	AC32 BaseG	1.634	32.68	16997.5
	ZA	0.743	14.72	10861.6	SCemento-2	0.472	9.44	5911.9
	AC22 bin	1.277	25.53	13356.8	BBTM 11B	0.540	10.81	5663.8
	Rellenos	0.983	19.41	18634.1				
109960.000	SCemento-1	4.289	85.78	42922.5	AC32 BaseG	1.632	32.66	17030.2
	ZA	0.757	15.00	10876.6	SCemento-2	0.472	9.44	5921.3
	AC22 bin	1.277	25.54	13382.4	BBTM 11B	0.542	10.82	5674.6
	Rellenos	1.005	19.88	18653.9				
109980.000	SCemento-1	4.289	85.78	43008.3	AC32 BaseG	1.632	32.64	17062.8
	ZA	0.768	15.25	10891.8	SCemento-2	0.472	9.44	5930.8
	AC22 bin	1.278	25.55	13407.9	BBTM 11B	0.541	10.83	5685.4
	Rellenos	1.024	20.29	18674.2				
110000.000	SCemento-1	4.289	85.78	43094.1	AC32 BaseG	1.631	32.63	17095.4
	ZA	0.778	15.46	10907.3	SCemento-2	0.472	9.44	5940.2
	AC22 bin	1.276	25.54	13433.4	BBTM 11B	0.543	10.84	5696.3
	Rellenos	1.039	20.63	18694.9				
110020.000	SCemento-1	4.289	85.77	43179.8	AC32 BaseG	1.633	32.65	17128.1
	ZA	0.785	15.63	10922.9	SCemento-2	0.472	9.44	5949.7
	AC22 bin	1.276	25.51	13459.0	BBTM 11B	0.541	10.84	5707.1
	Rellenos	1.051	20.90	18715.8				
110040.000	SCemento-1	4.289	85.77	43265.6	AC32 BaseG	1.631	32.65	17160.7
	ZA	0.791	15.77	10938.7	SCemento-2	0.472	9.44	5959.1
	AC22 bin	1.276	25.51	13484.5	BBTM 11B	0.543	10.84	5718.0
	Rellenos	1.060	21.10	18736.9				
110060.000	SCemento-1	4.175	84.64	43350.2	AC32 BaseG	1.588	32.19	17192.9
	ZA	0.795	15.86	10954.6	SCemento-2	0.472	9.44	5968.5
	AC22 bin	1.244	25.20	13509.7	BBTM 11B	0.528	10.71	5728.7
	Rellenos	1.065	21.25	18758.1				
110080.000	SCemento-1	4.046	82.21	43432.5	AC32 BaseG	1.536	31.24	17224.2
	ZA	0.797	15.92	10970.5	SCemento-2	0.472	9.44	5978.0
	AC22 bin	1.208	24.52	13534.2	BBTM 11B	0.511	10.39	5739.1
	Rellenos	1.070	21.35	18779.5				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 71
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

110240.000	AC22 bin	1.031	20.62	13687.2	BBTM 11B	0.438	8.74	5803.9
	Rellenos	1.071	21.41	18929.3				
	SCemento-1	3.414	68.28	44009.7	AC32 BaseG	1.284	25.66	17441.8
	ZA	0.799	15.97	11098.2	SCemento-2	0.472	9.44	6053.5
110260.000	AC22 bin	1.031	20.62	13707.8	BBTM 11B	0.435	8.73	5812.6
	Rellenos	1.070	21.41	18950.7				
	SCemento-1	3.414	68.28	44077.9	AC32 BaseG	1.284	25.68	17467.5
	ZA	0.799	15.97	11114.2	SCemento-2	0.472	9.45	6063.0
	AC22 bin	1.031	20.61	13728.4	BBTM 11B	0.436	8.72	5821.3
	Rellenos	1.071	21.41	18972.1				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 72
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
110280.000	SCemento-1	3.414	68.28	44146.2	AC32 BaseG	1.282	25.66	17493.2
	ZA	0.799	15.98	11130.1	SCemento-2	0.472	9.44	6072.4
	AC22 bin	1.033	20.63	13749.0	BBTM 11B	0.435	8.72	5830.1
	Rellenos	1.071	21.42	18993.5				
110300.000	SCemento-1	3.413	68.27	44214.5	AC32 BaseG	1.284	25.66	17518.8
	ZA	0.799	15.98	11146.1	SCemento-2	0.472	9.44	6081.8
	AC22 bin	1.031	20.64	13769.7	BBTM 11B	0.436	8.72	5838.8
	Rellenos	1.071	21.42	19015.0				
110320.000	SCemento-1	3.414	68.27	44282.8	AC32 BaseG	1.283	25.67	17544.5
	ZA	0.799	15.98	11162.1	SCemento-2	0.472	9.44	6091.3
	AC22 bin	1.031	20.62	13790.3	BBTM 11B	0.436	8.73	5847.5
	Rellenos	1.071	21.42	19036.4				
110340.000	SCemento-1	3.414	68.28	44351.0	AC32 BaseG	1.283	25.66	17570.2
	ZA	0.799	15.98	11178.1	SCemento-2	0.471	9.43	6100.7
	AC22 bin	1.033	20.64	13810.9	BBTM 11B	0.435	8.72	5856.2
	Rellenos	1.072	21.43	19057.8				
110360.000	SCemento-1	3.414	68.28	44419.3	AC32 BaseG	1.283	25.66	17595.8
	ZA	0.799	15.98	11194.1	SCemento-2	0.472	9.44	6110.1
	AC22 bin	1.031	20.64	13831.6	BBTM 11B	0.436	8.72	5864.9
	Rellenos	1.071	21.43	19079.2				
110380.000	SCemento-1	3.414	68.27	44487.6	AC32 BaseG	1.283	25.67	17621.5
	ZA	0.799	15.99	11210.0	SCemento-2	0.472	9.44	6119.6
	AC22 bin	1.031	20.62	13852.2	BBTM 11B	0.436	8.73	5873.7
	Rellenos	1.072	21.43	19100.7				
110400.000	SCemento-1	3.415	68.29	44555.9	AC32 BaseG	1.284	25.67	17647.2
	ZA	0.800	15.99	11226.0	SCemento-2	0.472	9.44	6129.0
	AC22 bin	1.031	20.62	13872.8	BBTM 11B	0.435	8.72	5882.4
	Rellenos	1.072	21.43	19122.1				
110420.000	SCemento-1	3.414	68.28	44624.2	AC32 BaseG	1.283	25.67	17672.8
	ZA	0.799	15.99	11242.0	SCemento-2	0.472	9.45	6138.5
	AC22 bin	1.031	20.62	13893.4	BBTM 11B	0.436	8.72	5891.1
	Rellenos	1.072	21.43	19143.5				
110440.000	SCemento-1	3.414	68.28	44692.4	AC32 BaseG	1.282	25.65	17698.5
	ZA	0.800	15.99	11258.0	SCemento-2	0.472	9.44	6147.9
	AC22 bin	1.031	20.62	13914.0	BBTM 11B	0.438	8.74	5899.8
	Rellenos	1.072	21.44	19165.0				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 73
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
110460.000	SCemento-1	3.414	68.28	44760.7	AC32 BaseG	1.284	25.66	17724.1
	ZA	0.799	15.99	11274.0	SCemento-2	0.472	9.44	6157.3
	AC22 bin	1.031	20.62	13934.7	BBTM 11B	0.435	8.73	5908.6
	Rellenos	1.072	21.44	19186.4				
110480.000	SCemento-1	3.414	68.28	44829.0	AC32 BaseG	1.284	25.68	17749.8
	ZA	0.799	15.99	11290.0	SCemento-2	0.472	9.45	6166.8
	AC22 bin	1.031	20.61	13955.3	BBTM 11B	0.436	8.72	5917.3
	Rellenos	1.072	21.44	19207.8				
110500.000	SCemento-1	3.414	68.27	44897.3	AC32 BaseG	1.283	25.67	17775.5
	ZA	0.800	15.99	11306.0	SCemento-2	0.472	9.44	6176.2
	AC22 bin	1.031	20.62	13975.9	BBTM 11B	0.436	8.73	5926.0
	Rellenos	1.072	21.44	19229.3				
110520.000	SCemento-1	3.414	68.27	44965.5	AC32 BaseG	1.283	25.67	17801.2
	ZA	0.799	15.99	11322.0	SCemento-2	0.472	9.44	6185.7
	AC22 bin	1.031	20.62	13996.5	BBTM 11B	0.436	8.73	5934.7
	Rellenos	1.071	21.43	19250.7				
110540.000	SCemento-1	3.414	68.27	45033.8	AC32 BaseG	1.284	25.67	17826.8
	ZA	0.799	15.98	11337.9	SCemento-2	0.472	9.44	6195.1
	AC22 bin	1.031	20.62	14017.1	BBTM 11B	0.436	8.73	5943.5
	Rellenos	1.072	21.43	19272.1				
110560.000	SCemento-1	3.414	68.28	45102.1	AC32 BaseG	1.284	25.67	17852.5
	ZA	0.800	15.99	11353.9	SCemento-2	0.472	9.44	6204.6
	AC22 bin	1.031	20.62	14037.8	BBTM 11B	0.435	8.72	5952.2
	Rellenos	1.072	21.43	19293.6				
110580.000	SCemento-1	3.413	68.27	45170.4	AC32 BaseG	1.284	25.68	17878.2
	ZA	0.800	16.00	11369.9	SCemento-2	0.472	9.44	6214.0
	AC22 bin	1.031	20.62	14058.4	BBTM 11B	0.436	8.72	5960.9
	Rellenos	1.073	21.44	19315.0				
110600.000	SCemento-1	3.414	68.27	45238.6	AC32 BaseG	1.282	25.66	17903.8
	ZA	0.801	16.01	11385.9	SCemento-2	0.472	9.44	6223.4

110620.000	AC22 bin	1.031	20.62	14079.0	BBTM 11B	0.438	8.74	5969.6
	Rellenos	1.074	21.46	19336.5				
	SCemento-1	3.414	68.28	45306.9	AC32 BaseG	1.282	25.64	17929.5
	ZA	0.802	16.03	11402.0	SCemento-2	0.472	9.44	6232.9
	AC22 bin	1.032	20.63	14099.6	BBTM 11B	0.437	8.74	5978.4
	Rellenos	1.075	21.49	19358.0				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 74
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
110640.000	SCemento-1	3.413	68.27	45375.2	AC32 BaseG	1.284	25.66	17955.1
	ZA	0.803	16.05	11418.0	SCemento-2	0.472	9.44	6242.3
	AC22 bin	1.031	20.63	14120.3	BBTM 11B	0.436	8.73	5987.1
	Rellenos	1.077	21.52	19379.5				
110660.000	SCemento-1	3.413	68.26	45443.5	AC32 BaseG	1.284	25.68	17980.8
	ZA	0.804	16.07	11434.1	SCemento-2	0.472	9.43	6251.7
	AC22 bin	1.031	20.62	14140.9	BBTM 11B	0.436	8.73	5995.8
	Rellenos	1.079	21.55	19401.0				
110680.000	SCemento-1	3.414	68.27	45511.7	AC32 BaseG	1.283	25.67	18006.5
	ZA	0.805	16.09	11450.2	SCemento-2	0.472	9.44	6261.2
	AC22 bin	1.031	20.62	14161.5	BBTM 11B	0.436	8.73	6004.6
	Rellenos	1.081	21.59	19422.6				
110700.000	SCemento-1	3.414	68.28	45580.0	AC32 BaseG	1.282	25.66	18032.2
	ZA	0.787	15.93	11466.1	SCemento-2	0.472	9.44	6270.6
	AC22 bin	1.033	20.64	14182.1	BBTM 11B	0.435	8.72	6013.3
	Rellenos	1.083	21.64	19444.3				
110720.000	SCemento-1	3.414	68.28	45648.3	AC32 BaseG	1.282	25.64	18057.8
	ZA	0.951	17.39	11483.5	SCemento-2	0.472	9.44	6280.0
	AC22 bin	1.032	20.64	14202.8	BBTM 11B	0.437	8.72	6022.0
	Rellenos	2.018	31.01	19475.3				
110740.000	SCemento-1	3.414	68.28	45716.6	AC32 BaseG	1.284	25.66	18083.5
	ZA	0.953	19.05	11502.5	SCemento-2	0.471	9.43	6289.5
	AC22 bin	1.032	20.64	14223.4	BBTM 11B	0.435	8.72	6030.7
	Rellenos	2.021	40.39	19515.7				
110760.000	SCemento-1	3.414	68.28	45784.8	AC32 BaseG	1.283	25.67	18109.1
	ZA	0.811	17.64	11520.2	SCemento-2	0.472	9.43	6298.9
	AC22 bin	1.033	20.65	14244.1	BBTM 11B	0.435	8.71	6039.4
	Rellenos	1.092	31.13	19546.8				
110780.000	SCemento-1	3.414	68.28	45853.1	AC32 BaseG	1.284	25.67	18134.8
	ZA	0.816	16.27	11536.5	SCemento-2	0.471	9.43	6308.3
	AC22 bin	1.032	20.65	14264.7	BBTM 11B	0.435	8.71	6048.1
	Rellenos	1.095	21.87	19568.7				
110800.000	SCemento-1	3.414	68.28	45921.4	AC32 BaseG	1.284	25.68	18160.5
	ZA	0.819	16.35	11552.8	SCemento-2	0.471	9.43	6317.8
	AC22 bin	1.031	20.64	14285.4	BBTM 11B	0.436	8.72	6056.9
	Rellenos	1.098	21.94	19590.6				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 75
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

110820.000	SCemento-1	3.414	68.28	45989.7	AC32 BaseG	1.282	25.66	18186.1	
	ZA	0.821	16.40	11569.2	SCemento-2	0.472	9.43	6327.2	
	AC22 bin	1.032	20.63	14306.0	BBTM 11B	0.437	8.73	6065.6	
	Rellenos	1.102	22.01	19612.6					
110840.000	SCemento-1	3.414	68.28	46058.0	AC32 BaseG	1.283	25.65	18211.8	
	ZA	0.825	16.46	11585.7	SCemento-2	0.471	9.43	6336.6	
	AC22 bin	1.033	20.65	14326.6	BBTM 11B	0.435	8.72	6074.3	
	Rellenos	1.107	22.09	19634.7					
110860.000	SCemento-1	3.414	68.28	46126.2	AC32 BaseG	1.284	25.67	18237.5	
	ZA	0.828	16.52	11602.2	SCemento-2	0.472	9.43	6346.1	
	AC22 bin	1.031	20.64	14347.3	BBTM 11B	0.436	8.72	6083.0	
	Rellenos	1.110	22.17	19656.9					
110880.000	SCemento-1	3.413	68.27	46194.5	AC32 BaseG	1.284	25.68	18263.1	
	ZA	0.831	16.59	11618.8	SCemento-2	0.472	9.44	6355.5	
	AC22 bin	1.031	20.62	14367.9	BBTM 11B	0.436	8.73	6091.8	
	Rellenos	1.115	22.26	19679.1					
110900.000	SCemento-1	3.414	68.27	46262.8	AC32 BaseG	1.284	25.68	18288.8	
	ZA	0.835	16.66	11635.4	SCemento-2	0.471	9.43	6364.9	
	AC22 bin	1.032	20.63	14388.5	BBTM 11B	0.435	8.72	6100.5	
	Rellenos	1.120	22.35	19701.5					
110920.000	SCemento-1	3.414	68.28	46331.1	AC32 BaseG	1.284	25.68	18314.5	
	ZA	0.839	16.74	11652.2	SCemento-2	0.471	9.43	6374.4	
	AC22 bin	1.032	20.64	14409.2	BBTM 11B	0.435	8.71	6109.2	
	Rellenos	1.125	22.44	19723.9					
110940.000	SCemento-1	3.414	68.28	46399.4	AC32 BaseG	1.284	25.68	18340.2	
	ZA	0.843	16.82	11669.0	SCemento-2	0.472	9.44	6383.8	
	AC22 bin	1.031	20.63	14429.8	BBTM 11B	0.435	8.71	6117.9	
	Rellenos	1.130	22.55	19746.5					
110960.000	SCemento-1	3.414	68.28	46467.6	AC32 BaseG	1.283	25.67	18365.8	
	ZA	0.850	16.93	11685.9	SCemento-2	0.472	9.45	6393.3	
	AC22 bin	1.031	20.62	14450.4	BBTM 11B	0.436	8.72	6126.6	
	Rellenos	1.138	22.68	19769.2					
110980.000	SCemento-1	3.414	68.28	46535.9	AC32 BaseG	1.282	25.65	18391.5	
	ZA	0.858	17.08	11703.0	SCemento-2	0.472	9.44	6402.7	

AC22 bin	1.031	20.62	14471.1	BBTM 11B	0.438	8.74	6135.3
Rellenos	1.147	22.85	19792.0				
Istram 18.05.05.29 17/07/18 18:00:35 459							
pagina 76							

PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
111000.000	SCemento-1	3.413	68.27	46604.2	AC32 BaseG	1.284	25.66	18417.2	
	ZA	0.865	17.23	11720.2	SCemento-2	0.472	9.44	6412.1	
	AC22 bin	1.031	20.62	14491.7	BBTM 11B	0.436	8.74	6144.1	
	Rellenos	1.161	23.08	19815.1					
111020.000	SCemento-1	3.414	68.27	46672.5	AC32 BaseG	1.283	25.67	18442.8	
	ZA	0.868	17.33	11737.5	SCemento-2	0.471	9.43	6421.6	
	AC22 bin	1.033	20.64	14512.3	BBTM 11B	0.435	8.72	6152.8	
	Rellenos	1.182	23.43	19838.5					
111040.000	SCemento-1	3.413	68.27	46740.7	AC32 BaseG	1.284	25.67	18468.5	
	ZA	0.868	17.36	11754.9	SCemento-2	0.472	9.43	6431.0	
	AC22 bin	1.031	20.64	14533.0	BBTM 11B	0.436	8.72	6161.5	
	Rellenos	1.208	23.90	19862.4					
111060.000	SCemento-1	3.414	68.27	46809.0	AC32 BaseG	1.283	25.67	18494.2	
	ZA	0.868	17.36	11772.3	SCemento-2	0.472	9.43	6440.4	
	AC22 bin	1.033	20.64	14553.6	BBTM 11B	0.435	8.72	6170.2	
	Rellenos	1.238	24.46	19886.9					
111080.000	SCemento-1	3.414	68.28	46877.3	AC32 BaseG	1.283	25.66	18519.8	
	ZA	0.868	17.36	11789.6	SCemento-2	0.472	9.43	6449.9	
	AC22 bin	1.031	20.64	14574.2	BBTM 11B	0.436	8.72	6179.0	
	Rellenos	1.268	25.06	19911.9					
111100.000	SCemento-1	3.414	68.28	46945.5	AC32 BaseG	1.284	25.67	18545.5	
	ZA	0.868	17.36	11807.0	SCemento-2	0.472	9.44	6459.3	
	AC22 bin	1.031	20.62	14594.9	BBTM 11B	0.435	8.72	6187.7	
	Rellenos	1.297	25.65	19937.6					
111120.000	SCemento-1	3.413	68.28	47013.8	AC32 BaseG	1.284	25.68	18571.2	
	ZA	0.868	17.35	11824.3	SCemento-2	0.472	9.44	6468.8	
	AC22 bin	1.031	20.62	14615.5	BBTM 11B	0.436	8.72	6196.4	
	Rellenos	1.322	26.20	19963.8					
111140.000	SCemento-1	3.414	68.27	47082.1	AC32 BaseG	1.284	25.68	18596.9	
	ZA	0.868	17.35	11841.7	SCemento-2	0.472	9.44	6478.2	
	AC22 bin	1.031	20.62	14636.1	BBTM 11B	0.436	8.73	6205.1	
	Rellenos	1.341	26.63	19990.4					
111160.000	SCemento-1	3.413	68.26	47150.4	AC32 BaseG	1.284	25.68	18622.5	
	ZA	0.868	17.36	11859.0	SCemento-2	0.472	9.44	6487.6	
	AC22 bin	1.031	20.62	14656.7	BBTM 11B	0.436	8.73	6213.8	
	Rellenos	1.354	26.94	20017.4					

Istram 18.05.05.29 17/07/18 18:00:35 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
111180.000	SCemento-1	3.414	68.26	47218.6	AC32 BaseG	1.283	25.68	18648.2	
	ZA	0.868	17.36	11876.4	SCemento-2	0.472	9.43	6497.1	
	AC22 bin	1.031	20.62	14677.3	BBTM 11B	0.436	8.73	6222.6	
	Rellenos	1.362	27.15	20044.5					
111200.000	SCemento-1	3.414	68.27	47286.9	AC32 BaseG	1.282	25.65	18673.9	
	ZA	0.868	17.36	11893.8	SCemento-2	0.472	9.43	6506.5	
	AC22 bin	1.031	20.62	14698.0	BBTM 11B	0.438	8.74	6231.3	
	Rellenos	1.364	27.25	20071.8					
111220.000	SCemento-1	3.414	68.28	47355.2	AC32 BaseG	1.284	25.66	18699.5	
	ZA	0.868	17.36	11911.1	SCemento-2	0.471	9.43	6515.9	
	AC22 bin	1.031	20.62	14718.6	BBTM 11B	0.436	8.74	6240.0	
	Rellenos	1.360	27.24	20099.0					
111240.000	SCemento-1	3.413	68.27	47423.4	AC32 BaseG	1.283	25.67	18725.2	
	ZA	0.868	17.36	11928.5	SCemento-2	0.472	9.43	6525.4	
	AC22 bin	1.031	20.62	14739.2	BBTM 11B	0.438	8.74	6248.8	
	Rellenos	1.355	27.16	20126.2					
111260.000	SCemento-1	3.414	68.27	47491.7	AC32 BaseG	1.284	25.67	18750.9	
	ZA	0.868	17.36	11945.8	SCemento-2	0.471	9.43	6534.8	
	AC22 bin	1.032	20.63	14759.8	BBTM 11B	0.435	8.73	6257.5	
	Rellenos	1.351	27.06	20153.2					
111280.000	SCemento-1	3.413	68.27	47560.0	AC32 BaseG	1.284	25.68	18776.5	
	ZA	0.868	17.36	11963.2	SCemento-2	0.472	9.43	6544.2	
	AC22 bin	1.031	20.63	14780.5	BBTM 11B	0.436	8.72	6266.2	
	Rellenos	1.344	26.95	20180.2					
111300.000	SCemento-1	3.414	68.27	47628.2	AC32 BaseG	1.284	25.68	18802.2	
	ZA	0.868	17.36	11980.6	SCemento-2	0.471	9.43	6553.7	
	AC22 bin	1.032	20.63	14801.1	BBTM 11B	0.435	8.72	6275.0	
	Rellenos	1.339	26.83	20207.0					
111320.000	SCemento-1	3.414	68.28	47696.5	AC32 BaseG	1.283	25.67	18827.9	
	ZA	0.868	17.36	11997.9	SCemento-2	0.471	9.43	6563.1	
	AC22 bin	1.033	20.65	14821.8	BBTM 11B	0.435	8.71	6283.7	
	Rellenos	1.332	26.71	20233.7					
111340.000	SCemento-1	3.414	68.27	47764.8	AC32 BaseG	1.284	25.67	18853.6	
	ZA	0.868	17.36	12015.3	SCemento-2	0.472	9.44	6572.5	
	AC22 bin	1.031	20.64	14842.4	BBTM 11B	0.436	8.72	6292.4	
	Rellenos	1.325	26.57	20260.3					

Istram 18.05.05.29 17/07/18 18:00:35 459
pagina 78

PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
111360.000	SCemento-1	3.414	68.28	47833.1	AC32 BaseG	1.284	25.68	18879.2	
	ZA	0.868	17.35	12032.6	SCemento-2	0.472	9.45	6582.0	
	AC22 bin	1.031	20.61	14863.0	BBTM 11B	0.435	8.72	6301.1	
	Rellenos	1.318	26.43	20286.7					
111380.000	SCemento-1	3.414	68.29	47901.4	AC32 BaseG	1.284	25.68	18904.9	
	ZA	0.868	17.35	12050.0	SCemento-2	0.472	9.45	6591.4	
	AC22 bin	1.031	20.61	14883.6	BBTM 11B	0.435	8.71	6309.8	
	Rellenos	1.310	26.28	20313.0					
111400.000	SCemento-1	3.414	68.28	47969.6	AC32 BaseG	1.283	25.67	18930.6	
	ZA	0.868	17.36	12067.3	SCemento-2	0.472	9.44	6600.9	
	AC22 bin	1.030	20.61	14904.2	BBTM 11B	0.436	8.72	6318.5	
	Rellenos	1.302	26.12	20339.1					
111420.000	SCemento-1	3.414	68.28	48037.9	AC32 BaseG	1.284	25.67	18956.3	
	ZA	0.868	17.36	12084.7	SCemento-2	0.472	9.44	6610.3	
	AC22 bin	1.031	20.61	14924.8	BBTM 11B	0.435	8.72	6327.2	
	Rellenos	1.293	25.95	20365.1					
111440.000	SCemento-1	3.414	68.28	48106.2	AC32 BaseG	1.283	25.67	18981.9	
	ZA	0.868	17.36	12102.1	SCemento-2	0.472	9.45	6619.7	
	AC22 bin	1.031	20.62	14945.5	BBTM 11B	0.436	8.72	6336.0	
	Rellenos	1.279	25.72	20390.8					
111460.000	SCemento-1	3.413	68.26	48174.5	AC32 BaseG	1.284	25.68	19007.6	
	ZA	0.866	17.34	12119.4	SCemento-2	0.472	9.44	6629.2	
	AC22 bin	1.031	20.62	14966.1	BBTM 11B	0.436	8.73	6344.7	
	Rellenos	1.259	25.37	20416.2					
111480.000	SCemento-1	3.414	68.26	48242.7	AC32 BaseG	1.284	25.68	19033.3	
	ZA	0.854	17.20	12136.6	SCemento-2	0.472	9.44	6638.6	
	AC22 bin	1.030	20.62	14986.7	BBTM 11B	0.436	8.73	6353.4	
	Rellenos	1.234	24.93	20441.1					
111500.000	SCemento-1	3.414	68.28	48311.0	AC32 BaseG	1.284	25.68	19059.0	
	ZA	0.868	17.22	12153.8	SCemento-2	0.471	9.44	6648.1	
	AC22 bin	1.032	20.62	15007.3	BBTM 11B	0.436	8.72	6362.1	
	Rellenos	1.207	24.42	20465.5					
111520.000	SCemento-1	3.414	68.28	48379.3	AC32 BaseG	1.284	25.68	19084.7	
	ZA	0.868	17.36	12171.2	SCemento-2	0.471	9.43	6657.5	
	AC22 bin	1.032	20.64	15028.0	BBTM 11B	0.435	8.71	6370.8	
	Rellenos	1.179	23.86	20489.4					

Istram 18.05.05.29 17/07/18 18:00:35 459
PROYECTO :
EJE: 1: Autovía de Castilla A-62: Dueñas-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
111540.000	SCemento-1	3.414		68.28	48447.6	AC32 BaseG	1.283		25.67 19110.3
	ZA	0.862		17.30	12188.5	SCemento-2	0.471		9.43 6666.9
	AC22 bin	1.033		20.65	15048.6	BBTM 11B	0.435		8.71 6379.6
	Rellenos	1.155		23.34	20512.7				
111560.000	SCemento-1	3.414		68.28	48515.8	AC32 BaseG	1.282		25.65 19136.0
	ZA	0.848		17.10	12205.6	SCemento-2	0.472		9.43 6676.4
	AC22 bin	1.031		20.64	15069.2	BBTM 11B	0.438		8.73 6388.3
	Rellenos	1.137		22.91	20535.6				
111580.000	SCemento-1	3.413		68.27	48584.1	AC32 BaseG	1.284		25.66 19161.6
	ZA	0.826		16.73	12222.3	SCemento-2	0.472		9.44 6685.8
	AC22 bin	1.031		20.62	15089.9	BBTM 11B	0.436		8.74 6397.0
	Rellenos	1.120		22.57	20558.2				
111600.000	SCemento-1	3.414		68.27	48652.4	AC32 BaseG	1.284		25.68 19187.3
	ZA	0.817		16.42	12238.7	SCemento-2	0.471		9.43 6695.2
	AC22 bin	1.032		20.63	15110.5	BBTM 11B	0.435		8.72 6405.7
	Rellenos	1.107		22.27	20580.5				
111620.000	SCemento-1	3.414		68.28	48720.7	AC32 BaseG	1.282		25.66 19213.0
	ZA	0.960		17.77	12256.5	SCemento-2	0.472		9.43 6704.7
	AC22 bin	1.033		20.65	15131.1	BBTM 11B	0.435		8.71 6414.4
	Rellenos	2.031		31.37	20611.8				
111640.000	SCemento-1	1.369		47.83	48768.5	AC32 BaseG	0.806		20.88 19233.9
	ZA	0.813		17.74	12274.2	SCemento-2	0.471		9.43 6714.1
	AC22 bin	1.025		20.58	15151.7	BBTM 11B	0.435		8.71 6423.2
	Rellenos	1.095		31.26	20643.1				
111660.000	SCemento-1	1.374		27.43	48795.9	AC32 BaseG	0.665		14.71 19248.6
	ZA	0.817		16.30	12290.5	SCemento-2	0.472		9.43 6723.5
	AC22 bin	0.997		20.22	15172.0	BBTM 11B	0.437		8.72 6431.9
	Rellenos	1.096		21.91	20665.0				
111680.000	SCemento-1	2.105		34.79	48830.7	AC32 BaseG	0.921		15.86 19264.4
	ZA	0.748		15.65	12306.2	SCemento-2	0.472		9.43 6733.0
	AC22 bin	1.033		20.29	15192.2	BBTM 11B	0.435		8.72 6440.6
	Rellenos	1.059		21.55	20686.5				
111700.000	SCemento-1	2.103		42.08	48872.8	AC32 BaseG	0.814		17.35 19281.8
	ZA	0.803		15.52	12321.7	SCemento-2	0.472		9.44 6742.4
	AC22 bin	0.972		20.05	15212.3	BBTM 11B	0.435		8.71 6449.3
	Rellenos	1.112		21.71	20708.3				

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
111720.000	SCemento-1	2.093	41.96	48914.8	AC32 BaseG	0.762	15.76	19297.5
	ZA	0.966	17.70	12339.4	SCemento-2	0.471	9.44	6751.8
	AC22 bin	0.879	18.52	15230.8	BBTM 11B	0.435	8.71	6458.0
	Rellenos	1.390	25.03	20733.3				
111740.000	SCemento-1	2.117	42.10	48956.9	AC32 BaseG	0.769	15.31	19312.9
	ZA	0.974	19.40	12358.8	SCemento-2	0.472	9.43	6761.3
	AC22 bin	0.915	17.94	15248.7	BBTM 11B	0.436	8.72	6466.7
	Rellenos	1.487	28.77	20762.1				
111760.000	SCemento-1	2.116	42.33	48999.2	AC32 BaseG	0.780	15.49	19328.3
	ZA	0.982	19.56	12378.4	SCemento-2	0.471	9.43	6770.7
	AC22 bin	1.007	19.22	15268.0	BBTM 11B	0.435	8.72	6475.5
	Rellenos	1.578	30.65	20792.7				
111780.000	SCemento-1	2.098	42.14	49041.3	AC32 BaseG	0.768	15.48	19343.8
	ZA	0.986	19.68	12398.0	SCemento-2	0.471	9.43	6780.1
	AC22 bin	0.982	19.90	15287.9	BBTM 11B	0.435	8.71	6484.2
	Rellenos	1.688	32.66	20825.4				
111800.000	SCemento-1	2.090	41.89	49083.2	AC32 BaseG	0.757	15.25	19359.1
	ZA	0.992	19.78	12417.8	SCemento-2	0.471	9.43	6789.6
	AC22 bin	0.921	19.03	15306.9	BBTM 11B	0.436	8.71	6492.9
	Rellenos	1.905	35.94	20861.3				
111820.000	SCemento-1	2.085	41.75	49125.0	AC32 BaseG	0.772	15.29	19374.4
	ZA	0.999	19.90	12437.7	SCemento-2	0.472	9.43	6799.0
	AC22 bin	0.985	19.06	15326.0	BBTM 11B	0.435	8.71	6501.6
	Rellenos	1.898	38.03	20899.3				
111840.000	SCemento-1	2.091	41.76	49166.7	AC32 BaseG	0.835	16.07	19390.4
	ZA	1.003	20.01	12457.7	SCemento-2	0.472	9.43	6808.4
	AC22 bin	1.028	20.13	15346.1	BBTM 11B	0.438	8.73	6510.3
	Rellenos	1.979	38.77	20938.1				
111860.000	SCemento-1	2.103	41.95	49208.7	AC32 BaseG	0.818	16.53	19407.0
	ZA	1.003	20.06	12477.8	SCemento-2	0.472	9.44	6817.9
	AC22 bin	1.031	20.59	15366.7	BBTM 11B	0.436	8.74	6519.1
	Rellenos	2.084	40.64	20978.8				
111880.000	SCemento-1	3.414	55.17	49263.8	AC32 BaseG	1.284	21.02	19428.0
	ZA	1.004	20.07	12497.9	SCemento-2	0.471	9.44	6827.3
	AC22 bin	1.032	20.63	15387.3	BBTM 11B	0.435	8.72	6527.8
	Rellenos	2.086	41.70	21020.5				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 81

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
111900.000	SCemento-1	3.414	68.28	49332.1	AC32 BaseG	1.283	25.67	19453.7
	ZA	1.004	20.08	12518.0	SCemento-2	0.472	9.43	6836.7
	AC22 bin	1.031	20.63	15407.9	BBTM 11B	0.436	8.72	6536.5
	Rellenos	2.086	41.72	21062.2				
111920.000	SCemento-1	3.414	68.27	49400.4	AC32 BaseG	1.283	25.67	19479.3
	ZA	1.004	20.09	12538.0	SCemento-2	0.472	9.44	6846.2
	AC22 bin	1.031	20.62	15428.6	BBTM 11B	0.436	8.73	6545.2
	Rellenos	2.086	41.71	21103.9				
111940.000	SCemento-1	3.414	68.28	49468.7	AC32 BaseG	1.283	25.67	19505.0
	ZA	1.004	20.09	12558.1	SCemento-2	0.471	9.44	6855.6
	AC22 bin	1.033	20.64	15449.2	BBTM 11B	0.435	8.72	6553.9
	Rellenos	2.087	41.72	21145.6				
111960.000	SCemento-1	3.414	68.28	49536.9	AC32 BaseG	1.283	25.67	19530.7
	ZA	1.004	20.08	12578.2	SCemento-2	0.472	9.43	6865.0
	AC22 bin	1.031	20.64	15469.8	BBTM 11B	0.436	8.72	6562.7
	Rellenos	2.085	41.72	21187.3				
111980.000	SCemento-1	3.414	68.28	49605.2	AC32 BaseG	1.283	25.67	19556.3
	ZA	1.003	20.07	12598.3	SCemento-2	0.472	9.44	6874.5
	AC22 bin	1.030	20.62	15490.5	BBTM 11B	0.436	8.73	6571.4
	Rellenos	2.084	41.69	21229.0				
112000.000	SCemento-1	3.414	68.28	49673.5	AC32 BaseG	1.282	25.66	19582.0
	ZA	1.003	20.06	12618.3	SCemento-2	0.472	9.44	6883.9
	AC22 bin	1.033	20.63	15511.1	BBTM 11B	0.435	8.72	6580.1
	Rellenos	2.084	41.68	21270.7				
112020.000	SCemento-1	3.414	68.27	49741.8	AC32 BaseG	1.284	25.66	19607.6
	ZA	1.002	20.04	12638.4	SCemento-2	0.472	9.44	6893.4
	AC22 bin	1.031	20.63	15531.7	BBTM 11B	0.436	8.72	6588.8
	Rellenos	2.081	41.65	21312.3				
112040.000	SCemento-1	3.414	68.27	49810.0	AC32 BaseG	1.284	25.67	19633.3
	ZA	1.000	20.02	12658.4	SCemento-2	0.471	9.44	6902.8
	AC22 bin	1.032	20.62	15552.3	BBTM 11B	0.436	8.72	6597.5
	Rellenos	2.080	41.61	21354.0				
112060.000	SCemento-1	3.414	68.28	49878.3	AC32 BaseG	1.282	25.66	19659.0
	ZA	0.999	19.99	12678.4	SCemento-2	0.472	9.43	6912.2
	AC22 bin	1.031	20.63	15573.0	BBTM 11B	0.438	8.73	6606.3
	Rellenos	2.078	41.58	21395.5				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 82

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

112080.000	SCemento-1	3.414	68.28	49946.6	AC32 BaseG	1.284	25.66	19684.6
	ZA	0.997	19.96	12698.4	SCemento-2	0.472	9.44	6921.7
	AC22 bin	1.031	20.62	15593.6	BBTM 11B	0.436	8.74	6615.0
	Rellenos	2.076	41.54	21437.1				
112100.000	SCemento-1	2.073	54.87	50001.5	AC32 BaseG	0.757	20.41	19705.0
	ZA	0.989	19.86	12718.2	SCemento-2	0.472	9.44	6931.1
	AC22 bin	0.988	20.19	15613.8	BBTM 11B	0.435	8.72	6623.7
	Rellenos	1.455	35.31	21472.4				
112120.000	SCemento-1	2.065	41.38	50042.8	AC32 BaseG	0.745	15.02	19720.1
	ZA	0.983	19.72	12737.9	SCemento-2	0.471	9.43	6940.5
	AC22 bin	0.936	19.24	15633.0	BBTM 11B	0.438	8.73	6632.5
	Rellenos	1.422	28.78	21501.2				
112140.000	SCemento-1	3.414	54.79	50097.6	AC32 BaseG	1.283	20.28	19740.3
	ZA	0.975	19.58	12757.5	SCemento-2	0.472	9.44	6950.0
	AC22 bin	1.031	19.67	15652.7	BBTM 11B	0.436	8.74	6641.2
	Rellenos	2.067	34.90	21536.1				
112160.000	SCemento-1	2.758	61.72	50159.4	AC32 BaseG	1.050	23.33	19763.7
	ZA	1.007	19.82	12777.3	SCemento-2	0.471	9.44	6959.4
	AC22 bin	0.947	19.78	15672.5	BBTM 11B	0.435	8.72	6649.9
	Rellenos	2.092	41.60	21577.7				
112180.000	SCemento-1	2.685	54.43	50213.8	AC32 BaseG	0.993	20.43	19784.1
	ZA	0.985	19.92	12797.3	SCemento-2	0.472	9.43	6968.8
	AC22 bin	0.879	18.25	15690.7	BBTM 11B	0.436	8.72	6658.6
	Rellenos	2.062	41.54	21619.2				
112200.000	SCemento-1	2.116	48.01	50261.8	AC32 BaseG	0.766	17.58	19801.7
	ZA	0.984	19.69	12816.9	SCemento-2	0.472	9.44	6978.3
	AC22 bin	0.761	16.40	15707.1	BBTM 11B	0.436	8.73	6667.4
	Rellenos	2.060	41.22	21660.4				
112220.000	SCemento-1	2.119	42.35	50304.1	AC32 BaseG	0.771	15.37	19817.1
	ZA	0.983	19.67	12836.6	SCemento-2	0.471	9.43	6987.7
	AC22 bin	0.879	16.40	15723.5	BBTM 11B	0.435	8.72	6676.1
	Rellenos	1.762	38.22	21698.6				
112240.000	SCemento-1	1.671	37.89	50342.0	AC32 BaseG	0.659	14.30	19831.4
	ZA	0.983	19.66	12856.3	SCemento-2	0.472	9.43	6997.1
	AC22 bin	0.987	18.66	15742.2	BBTM 11B	0.436	8.72	6684.8
	Rellenos	1.637	33.99	21732.6				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 83

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112260.000	SCemento-1	1.671	33.41	50375.5	AC32 BaseG	0.659	13.18	19844.5
	ZA	0.982	19.65	12875.9	SCemento-2	0.471	9.43	7006.6
	AC22 bin	0.875	18.62	15760.8	BBTM 11B	0.436	8.73	6693.5
	Rellenos	1.495	31.31	21763.9				
112280.000	SCemento-1	1.674	33.45	50408.9	AC32 BaseG	1.018	16.77	19861.3
	ZA	0.847	18.28	12894.2	SCemento-2	0.472	9.44	7016.0
	AC22 bin	1.059	19.34	15780.1	BBTM 11B	0.448	8.85	6702.4
	Rellenos	1.134	26.29	21790.2				
112300.000	SCemento-1	1.661	33.35	50442.3	AC32 BaseG	1.000	20.19	19881.5
	ZA	0.854	17.01	12911.2	SCemento-2	0.471	9.43	7025.4

112460.000	Rellenos	1.548	27.75	21984.2							Rellenos	1.868	37.46	22687.1						
	SCemento-1	2.480	67.69	51023.2	AC32 BaseG	1.270	29.01	20115.4		112840.000	SCemento-1	4.290	85.79	52539.6	AC32 BaseG	1.634	32.67	20737.2		
	ZA	1.009	20.13	13053.9	SCemento-2	0.472	9.44	7100.9			ZA	0.866	17.26	13410.1	SCemento-2	0.472	9.45	7280.3		
	AC22 bin	1.257	25.33	15996.6	BBTM 11B	0.540	10.83	6794.2			AC22 bin	1.276	25.53	16473.1	BBTM 11B	0.540	10.81	7000.0		
	Rellenos	1.593	31.41	22015.6							Rellenos	1.878	37.46	22724.6						
112480.000	SCemento-1	4.289	67.69	51090.9	AC32 BaseG	1.633	29.03	20144.5		112860.000	SCemento-1	4.289	85.79	52625.4	AC32 BaseG	1.631	32.65	20769.8		
	ZA	1.004	20.13	13074.1	SCemento-2	0.472	9.44	7110.4			ZA	0.827	16.92	13427.0	SCemento-2	0.472	9.45	7289.8		
	AC22 bin	1.277	25.34	16021.9	BBTM 11B	0.541	10.82	6805.0			AC22 bin	1.276	25.51	16498.6	BBTM 11B	0.543	10.83	7010.9		
	Rellenos	1.505	30.98	22046.6							Rellenos	1.726	36.03	22760.6						
112500.000	SCemento-1	4.289	85.78	51176.7	AC32 BaseG	1.633	32.66	20177.1		112880.000	SCemento-1	4.290	85.79	52711.2	AC32 BaseG	1.634	32.65	20802.5		
	ZA	0.990	19.94	13094.0	SCemento-2	0.472	9.44	7119.8			ZA	0.876	17.03	13444.1	SCemento-2	0.472	9.45	7299.2		
	AC22 bin	1.276	25.53	16047.4	BBTM 11B	0.541	10.83	6815.9			AC22 bin	1.276	25.51	16524.1	BBTM 11B	0.540	10.83	7021.7		
	Rellenos	1.409	29.14	22075.7							Rellenos	1.892	36.18	22796.8						
112520.000	SCemento-1	3.209	74.98	51251.7	AC32 BaseG	1.845	34.78	20211.9		112900.000	SCemento-1	4.290	85.80	52797.0	AC32 BaseG	1.634	32.68	20835.7		
	ZA	0.998	19.88	13113.9	SCemento-2	0.472	9.44	7129.3			ZA	0.881	17.57	13461.6	SCemento-2	0.472	9.45	7308.7		
	AC22 bin	1.230	25.05	16072.5	BBTM 11B	0.541	10.83	6826.7			AC22 bin	1.276	25.51	16549.6	BBTM 11B	0.540	10.81	7032.5		
	Rellenos	1.454	28.63	22104.3							Rellenos	1.902	37.93	22834.7						
112540.000	SCemento-1	4.288	74.97	51326.6	AC32 BaseG	1.634	34.79	20246.7		112920.000	SCemento-1	4.289	85.79	52882.8	AC32 BaseG	1.634	32.68	20867.9		
	ZA	0.995	19.93	13133.8	SCemento-2	0.472	9.44	7138.7			ZA	0.886	17.67	13479.3	SCemento-2	0.471	9.44	7318.1		
	AC22 bin	1.276	25.05	16097.5	BBTM 11B	0.541	10.83	6837.5			AC22 bin	1.277	25.53	16575.2	BBTM 11B	0.540	10.81	7043.3		
	Rellenos	1.829	32.83	22137.2							Rellenos	1.912	38.14	22872.9						
112560.000	SCemento-1	4.288	85.77	51412.4	AC32 BaseG	1.634	32.67	20279.4		112940.000	SCemento-1	4.290	85.79	52968.6	AC32 BaseG	1.634	32.68	20900.5		
	ZA	0.985	19.79	13153.6	SCemento-2	0.472	9.45	7148.2			ZA	0.891	17.78	13497.1	SCemento-2	0.472	9.44	7327.6		
	AC22 bin	1.276	25.51	16123.0	BBTM 11B	0.541	10.83	6848.3			AC22 bin	1.276	25.53	16600.7	BBTM 11B	0.540	10.81	7054.1		
	Rellenos	2.035	38.64	22175.8							Rellenos	1.921	38.33	22911.2						
112580.000	SCemento-1	4.288	85.77	51498.2	AC32 BaseG	1.634	32.67	20312.1		112960.000	SCemento-1	4.288	85.79	53054.4	AC32 BaseG	1.634	32.67	20933.2		
	ZA	0.974	19.59	13173.2	SCemento-2	0.472	9.45	7157.6			ZA	0.896	17.88	13515.0	SCemento-2	0.472	9.45	7337.0		
	AC22 bin	1.276	25.51	16148.6	BBTM 11B	0.541	10.83	6859.2			AC22 bin	1.276	25.51	16626.2	BBTM 11B	0.541	10.82	7065.0		
	Rellenos	2.049	40.83	22216.7							Rellenos	1.930	38.52	22949.7						
112600.000	SCemento-1	3.529	78.17	51576.3	AC32 BaseG	2.165	37.99	20350.0												
	ZA	0.965	19.39	13192.6	SCemento-2	0.472	9.45	7167.0												
	AC22 bin	1.276	25.51	16174.1	BBTM 11B	0.541	10.83	6870.0												
	Rellenos	2.036	40.85	22257.5																
										Istram 18.05.05.29 17/07/18 18:00:35 459										
										PROYECTO :									pagina 87	
										EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.										

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 85
 PROYECTO :
 EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.
 Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
112620.000	SCemento-1	4.289	78.17	51654.5	AC32 BaseG	1.633	37.99	20388.0	
	ZA	0.955	19.19	13211.8	SCemento-2	0.472	9.45	7176.5	
	AC22 bin	1.276	25.51	16199.6	BBTM 11B	0.541	10.83	6880.8	
	Rellenos	2.023	40.59	22298.1					
112640.000	SCemento-1	4.289	85.77	51740.3	AC32 BaseG	1.633	32.67	20420.7	
	ZA	0.945	18.99	13230.8	SCemento-2	0.472	9.45	7185.9	
	AC22 bin	1.276	25.51	16225.1	BBTM 11B	0.541	10.83	6891.7	
	Rellenos	2.008	40.31	22338.4					
112660.000	SCemento-1	4.289	85.77	51826.1	AC32 BaseG	1.633	32.67	20453.4	
	ZA	0.935	18.80	13249.6	SCemento-2	0.472	9.44	7195.4	
	AC22 bin	1.276	25.52	16250.6	BBTM 11B	0.541	10.83	6902.5	
	Rellenos	1.994	40.02	22378.4					
112680.000	SCemento-1	2.692	69.80	51895.9	AC32 BaseG	1.660	32.93	20486.3	
	ZA	0.925	18.60	13268.2	SCemento-2	0.472	9.44	7204.8	
	AC22 bin	1.276	25.52	16276.1	BBTM 11B	0.543	10.84	6913.3	
	Rellenos	1.979	39.73	22418.1					
112700.000	SCemento-1	4.288	69.80	51965.7	AC32 BaseG	1.632	32.91	20519.2	
	ZA	0.915	18.40	13286.6	SCemento-2	0.472	9.44	7214.3	
	AC22 bin	1.276	25.52	16301.6	BBTM 11B	0.543	10.86	6924.2	
	Rellenos	1.963	39.42	22457.6					
112720.000	SCemento-1	4.288	85.76	52051.4	AC32 BaseG	1.632	32.64	20551.9	
	ZA	0.905	18.20	13304.8	SCemento-2	0.472	9.44	7223.7	
	AC22 bin	1.276	25.52	16327.2	BBTM 11B	0.543	10.86	6935.1	
	Rellenos	1.947	39.10	22496.7					
112740.000	SCemento-1	4.288	85.75	52137.2	AC32 BaseG	1.632	32.65	20584.5	
	ZA	0.895	18.00	13322.8	SCemento-2	0.472	9.44	7233.1	
	AC22 bin	1.276	25.52	16352.7	BBTM 11B	0.543	10.86	6945.9	
	Rellenos	1.930	38.77	22535.4					
112760.000	SCemento-1	4.289	85.77	52222.9	AC32 BaseG	1.632	32.64	20617.1	
	ZA	0.885	17.80	13340.6	SCemento-2	0.472	9.44	7242.6	
	AC22 bin	1.277	25.53	16378.2	BBTM 11B	0.542	10.85	6956.8	
	Rellenos	1.913	38.43	22573.9					
112780.000	SCemento-1	2.968	72.57	52295.5	AC32 BaseG	1.105	27.36	20644.5	
	ZA	0.875	17.61	13358.2	SCemento-2	0.472	9.44	7252.0	
	AC22 bin	0.914	21.90	16400.1	BBTM 11B	0.542	10.84	6967.6	
	Rellenos	1.895	38.08	22611.9					

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 86
 PROYECTO :
 EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.
 Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112800.000	SCemento-1	4.289	72.57	52368.1	AC32 BaseG	1.632	27.37	20671.9
	ZA	0.866	17.41	13375.6	SCemento-2	0.472	9.44	7261.5
	AC22 bin	1.278	21.91	16422.0	BBTM 11B	0.541	10.83	6978.4
	Rellenos	1.877	37.73	22649.7				
112820.000	SCemento-1	4.289	85.78	52453.8	AC32 BaseG	1.633	32.65	20704.5
	ZA	0.861	17.26	13392.8	SCemento-2	0.472	9.44	7270.9
	AC22 bin	1.277	25.55	16447.6	BBTM 11B	0.540	10.81	6989.2

112840.000	Rellenos	1.868	37.46	22687.1				
	SCemento-1	4.290	85.79	52539.6	AC32 BaseG	1.634	32.67	20737.2
	ZA	0.866	17.26	13410.1	SCemento-2	0.472	9.45	7280.3
	AC22 bin	1.276	25.53	16473.1	BBTM 11B	0.540	10.81	7000.0
112860.000	Rellenos	1.878	37.46	22724.6				
	SCemento-1	4.289	85.79	52625.4	AC32 BaseG	1.631	32.65	20769.8
	ZA	0.827	16.92	13427.0	SCemento-2	0.472	9.45	7289.8
	AC22 bin	1.276	25.51	16498.6	BBTM 11B	0.543	10.83	7010.9
112880.000	Rellenos	1.726	36.03	22760.6				
	SCemento-1	4.290	85.79	52711.2	AC32 BaseG	1.634	32.65	20802.5
	ZA	0.876	17.03	13444.1	SCemento-2	0.472	9.45	7299.2
	AC22 bin	1.276	25.51	16524.1	BBTM 11B	0.540	10.83	7021.7
112900.000	Rellenos	1.892	36.18	22796.8				
	SCemento-1	4.290	85.80	52797.0	AC32 BaseG	1.634	32.68	20835.2
	ZA	0.881	17.57	13461.6	SCemento-2	0.472	9.45	7308.7
	AC22 bin	1.276	25.51	16549.6	BBTM 11B	0.540	10.81	7032.5
112920.000	Rellenos	1.902	37.93	22834.7				
	SCemento-1	4.289	85.79	52882.8	AC32 BaseG	1.634	32.68	20867.9
	ZA	0.886	17.67	13479.3	SCemento-2	0.471	9.44	7318.1
	AC22 bin	1.277	25.53	16575.2	BBTM 11B	0.540	10.81	7043.3
112940.000	Rellenos	1.912	38.14	22872.9				
	SCemento-1	4.290	85.79	52968.6	AC32 BaseG	1.634	32.68	20900.5
	ZA	0.891	17.78	13497.1	SCemento-2	0.472	9.44	7327.6
	AC22 bin	1.276	25.53	16600.7	BBTM 11B	0.540	10.81	7054.1
112960.000	Rellenos	1.921	38.33	22911.2				
	SCemento-1	4.288	85.79	53054.4	AC32 BaseG	1.634	32.67	20933.2
	ZA	0.896	17.88	13515.0	SCemento-2	0.472	9.45	7337.0
	AC22 bin	1.276	25.51	16626.2	BBTM 11B	0.541	10.82	7065.0
	Rellenos	1.930	38.52	22949.7				

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 87
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{da}s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****														
***** CAPAS DE FIRME *****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
112980.000	SCemento-1	4.289		85.77		53140.1		AC32 BaseG	1.633		32.67		20965.9	
	ZA	0.902		17.98		13532.9		SCemento-2	0.472		9.44		7346.5	
	AC22 bin	1.277		25.53		16651.7		BBTM 11B	0.540		10.82		7075.8	
	Rellenos	1.941		38.71		22988.4								
113000.000	SCemento-1	4.288		85.77		53225.9		AC32 BaseG	1.632		32.65		20998.5	
	ZA	0.907		18.08		13551.0		SCemento-2	0.472		9.44		7355.9	
	AC22 bin	1.276		25.53		16677.3		BBTM 11B	0.543		10.83		7086.6	
	Rellenos	1.949		38.90		23027.3								
113020.000	SCemento-1	4.289		85.77		53311.7		AC32 BaseG	1.634		32.66		21031.2	
	ZA	0.912		18.18		13569.2		SCemento-2	0.471		9.44		7365.3	
	AC22 bin	1.277		25.53		16702.8		BBTM 11B	0.541		10.84		7097.4	
	Rellenos	1.959		39.08		23066.4								
113040.000	SCemento-1	4.289		85.78		53397.5		AC32 BaseG	1.634		32.68		21063.9	
	ZA	0.917		18.29		13587.5		SCemento-2	0.471		9.43		7374.8	
	AC22 bin	1.276		25.53		16728.3		BBTM 11B	0.541		10.82		7108.3	
	Rellenos	1.968		39.27		23105.7								
113060.000	SCemento-1	4.290		85.79		53483.2		AC32 BaseG	1.634		32.68		21096.5	
	ZA	0.922		18.39		13605.9		SCemento-2	0.472		9.44		7384.2	
	AC22 bin	1.276		25.52		16753.8		BBTM 11B	0.540		10.82		7119.1	
	Rellenos	1.978		39.46		23145.1								
113080.000	SCemento-1	4.288		85.78		53569.0		AC32 BaseG	1.634		32.68		21129.2	
	ZA	0.927		18.49		13624.4		SCemento-2	0.472		9.45		7393.7	
	AC22 bin	1.276		25.51		16779.4		BBTM 11B	0.541		10.82		7129.9	
	Rellenos	1.987		39.64		23184.8								
113100.000	SCemento-1	4.289		85.77		53654.8		AC32 BaseG	1.633		32.67		21161.9	
	ZA	0.932		18.59		13643.0		SCemento-2	0.472		9.44		7403.1	
	AC22 bin	1.277		25.53		16804.9		BBTM 11B	0.540		10.82		7140.7	
	Rellenos	1.996		39.83		23224.6								
113120.000	SCemento-1	4.289		85.78		53740.6		AC32 BaseG	1.633		32.66		21194.5	
	ZA	0.914		18.47		13661.4		SCemento-2	0.471		9.44		7412.5	
	AC22 bin	1.277		25.54		16830.4		BBTM 11B	0.541		10.82		7151.5	
	Rellenos	1.924												

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 88
PROYECTO :
EJE: 1: Autov^a de Castilla A-62: Due^os-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113160.000	SCemento-1	3.410	76.82	53903.0	AC32 BaseG	1.410	30.43	21257.6	
	ZA	0.955	19.00	13699.0	SCemento-2	0.509	9.96	7432.1	
	AC22 bin	1.196	24.72	16880.7	BBTM 11B	0.542	10.83	7173.2	
	Rellenos	1.882	39.12	23342.5					
113180.000	SCemento-1	3.496	69.06	53972.1	AC32 BaseG	1.436	28.46	21286.1	
	ZA	0.969	19.24	13718.3	SCemento-2	0.520	10.29	7442.4	
	AC22 bin	1.207	24.03	16904.7	BBTM 11B	0.541	10.84	7184.0	
	Rellenos	2.102	39.83	23382.3					
113200.000	SCemento-1	3.245	67.42	54039.5	AC32 BaseG	1.334	27.70	21313.8	
	ZA	0.976	19.45	13737.7	SCemento-2	0.524	10.44	7452.8	
	AC22 bin	1.148	23.55	16928.3	BBTM 11B	0.540	10.82	7194.8	

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113520.000	SCemento-1	3.340	66.78	55018.1	AC32 BaseG	1.281	25.59	21721.6	
	ZA	0.651	13.05	13977.7	SCemento-2	0.528	10.55	7621.6	
	AC22 bin	1.031	20.63	17258.5	BBTM 11B	0.437	8.73	7335.5	
	Rellenos	0.760	15.23	23723.7					
113540.000	SCemento-1	3.342	66.82	55084.9	AC32 BaseG	1.281	25.62	21747.2	
	ZA	0.652	13.03	13990.7	SCemento-2	0.528	10.55	7632.2	
	AC22 bin	1.031	20.62	17279.2	BBTM 11B	0.436	8.73	7344.2	
	Rellenos	0.767	15.27	23738.9					
113560.000	SCemento-1	3.346	66.88	55151.8	AC32 BaseG	1.280	25.61	21772.8	
	ZA	0.656	13.09	14003.8	SCemento-2	0.528	10.55	7642.7	
	AC22 bin	1.032	20.63	17299.8	BBTM 11B	0.436	8.72	7352.9	
	Rellenos	0.779	15.46	23754.4					
113580.000	SCemento-1	3.348	66.94	55218.7	AC32 BaseG	1.280	25.60	21798.4	
	ZA	0.654	13.10	14016.9	SCemento-2	0.528	10.56	7653.3	
	AC22 bin	1.031	20.63	17320.4	BBTM 11B	0.436	8.72	7361.6	

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
113880.000	SCemento-1	2.133	50.27	56212.8	AC32 BaseG	2.203	38.04	22198.7	
	ZA	0.627	12.92	14216.9	SCemento-2	0.450	9.01	7799.9	
	AC22 bin	1.031	20.62	17629.8	BBTM 11B	0.435	8.71	7492.4	
	Rellenos	0.802	16.20	24016.2					
113900.000	SCemento-1	2.461	45.94	56258.7	AC32 BaseG	1.282	34.86	22233.5	
	ZA	0.809	14.35	14231.2	SCemento-2	0.450	9.01	7808.9	
	AC22 bin	1.032	20.64	17650.5	BBTM 11B	0.436	8.71	7501.1	
	Rellenos	1.132	19.33	24035.6					
113920.000	SCemento-1	2.645	51.07	56309.8	AC32 BaseG	1.115	23.98	22257.5	
	ZA	0.814	16.23	14247.4	SCemento-2	0.451	9.01	7817.9	
	AC22 bin	1.015	20.47	17671.0	BBTM 11B	0.541	9.77	7510.9	
	Rellenos	1.649	27.81	24063.4					
113940.000	SCemento-1	3.454	61.00	56370.8	AC32 BaseG	1.370	24.86	22282.4	
	ZA	0.813	16.27	14263.7	SCemento-2	0.451	9.02	7826.9	
	AC22 bin	1.174	21.89	17692.8	BBTM 11B	0.541	10.82	7521.7	
	Rellenos	1.736	33.85	24097.2					
113960.000	SCemento-1	4.294	77.48	56448.2	AC32 BaseG	1.637	30.07	22312.5	
	ZA	0.813	16.26	14280.0	SCemento-2	0.451	9.01	7835.9	
	AC22 bin	1.276	24.50	17717.3	BBTM 11B	0.542	10.83	7532.6	

113980.000	Rellenos	1.743	34.79	24132.0							
	SCemento-1	4.294	85.87	56534.1	AC32 BaseG	1.635	32.72	22345.2			
	ZA	0.809	16.22	14296.2	SCemento-2	0.451	9.01	7844.9			
114000.000	AC22 bin	1.277	25.53	17742.9	BBTM 11B	0.541	10.83	7543.4			
	Rellenos	1.741	34.84	24166.9							
	SCemento-1	4.294	85.87	56620.0	AC32 BaseG	1.636	32.71	22377.9			
114020.000	ZA	0.802	16.11	14312.3	SCemento-2	0.451	9.01	7853.9			
	AC22 bin	1.276	25.53	17768.4	BBTM 11B	0.541	10.82	7554.2			
	Rellenos	1.728	34.69	24201.6							
114040.000	SCemento-1	4.293	85.87	56705.8	AC32 BaseG	1.637	32.73	22410.6			
	ZA	0.795	15.97	14328.3	SCemento-2	0.451	9.01	7863.0			
	AC22 bin	1.276	25.52	17793.9	BBTM 11B	0.541	10.82	7565.0			
114040.000	Rellenos	1.713	34.41	24236.0							
	SCemento-1	4.294	85.87	56791.7	AC32 BaseG	1.636	32.73	22443.4			
	ZA	0.789	15.84	14344.1	SCemento-2	0.451	9.01	7872.0			
	AC22 bin	1.276	25.52	17819.4	BBTM 11B	0.541	10.82	7575.8			
	Rellenos	1.701	34.14	24270.1							

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 93
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *											
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.
114060.000	SCemento-1	4.294	85.88	56877.6	AC32 BaseG	1.635	32.71	22476.1			
	ZA	0.782	15.71	14359.8	SCemento-2	0.451	9.01	7881.0			
	AC22 bin	1.277	25.53	17845.0	BBTM 11B	0.541	10.82	7586.7			
	Rellenos	1.687	33.88	24304.0							
114080.000	SCemento-1	4.292	85.86	56963.4	AC32 BaseG	1.636	32.71	22508.8			
	ZA	0.774	15.57	14375.4	SCemento-2	0.451	9.01	7890.0			
	AC22 bin	1.276	25.53	17870.5	BBTM 11B	0.542	10.83	7597.5			
	Rellenos	1.669	33.56	24337.5							
114100.000	SCemento-1	4.294	85.86	57049.3	AC32 BaseG	1.636	32.72	22541.5			
	ZA	0.775	15.49	14390.9	SCemento-2	0.451	9.01	7899.0			
	AC22 bin	1.276	25.52	17896.0	BBTM 11B	0.541	10.83	7608.3			
	Rellenos	1.670	33.39	24370.9							
114120.000	SCemento-1	4.294	85.88	57135.2	AC32 BaseG	1.637	32.73	22574.2			
	ZA	0.775	15.49	14406.4	SCemento-2	0.451	9.01	7908.0			
	AC22 bin	1.276	25.53	17921.6	BBTM 11B	0.541	10.82	7619.1			
	Rellenos	1.670	33.39	24404.3							
114140.000	SCemento-1	4.293	85.87	57221.1	AC32 BaseG	1.636	32.73	22607.0			
	ZA	0.774	15.48	14421.9	SCemento-2	0.451	9.01	7917.0			
	AC22 bin	1.276	25.53	17947.1	BBTM 11B	0.541	10.83	7630.0			
	Rellenos	1.670	33.40	24437.7							
114160.000	SCemento-1	4.293	85.86	57306.9	AC32 BaseG	1.638	32.74	22639.7			
	ZA	0.774	15.48	14437.3	SCemento-2	0.451	9.01	7926.0			
	AC22 bin	1.276	25.53	17972.6	BBTM 11B	0.541	10.83	7640.8			
	Rellenos	1.670	33.40	24471.1							
114180.000	SCemento-1	4.255	85.48	57392.4	AC32 BaseG	1.622	32.60	22672.3			
	ZA	0.775	15.49	14452.8	SCemento-2	0.451	9.01	7935.1			
	AC22 bin	1.265	25.41	17998.0	BBTM 11B	0.537	10.78	7651.6			
	Rellenos	1.670	33.39	24504.5							
114200.000	SCemento-1	4.125	83.81	57476.2	AC32 BaseG	1.571	31.93	22704.2			
	ZA	0.774	15.49	14468.3	SCemento-2	0.451	9.01	7944.1			
	AC22 bin	1.229	24.95	18023.0	BBTM 11B	0.522	10.59	7662.2			
	Rellenos	1.669	33.39	24537.9							
114220.000	SCemento-1	3.996	81.22	57557.4	AC32 BaseG	1.517	30.87	22735.1			
	ZA	0.774	15.48	14483.8	SCemento-2	0.451	9.01	7953.1			
	AC22 bin	1.194	24.23	18047.2	BBTM 11B	0.506	10.28	7672.4			
	Rellenos	1.670	33.40	24571.3							

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 94
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *											
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.
114240.000	SCemento-1	3.867	78.64	57636.1	AC32 BaseG	1.464	29.81	22764.9			
	ZA	0.774	15.48	14499.3	SCemento-2	0.451	9.01	7962.1			
	AC22 bin	1.158	23.51	18070.7	BBTM 11B	0.490	9.96	7682.4			
	Rellenos	1.670	33.40	24604.7							
114260.000	SCemento-1	3.737	76.04	57712.1	AC32 BaseG	1.413	28.78	22793.7			
	ZA	0.771	15.45	14514.7	SCemento-2	0.451	9.01	7971.1			
	AC22 bin	1.120	22.78	18093.5	BBTM 11B	0.475	9.65	7692.0			
	Rellenos	1.663	33.33	24638.0							
114280.000	SCemento-1	3.608	73.45	57785.5	AC32 BaseG	1.363	27.76	22821.5			
	ZA	0.769	15.40	14530.1	SCemento-2	0.450	9.01	7980.1			
	AC22 bin	1.084	22.05	18115.5	BBTM 11B	0.459	9.34	7701.4			
	Rellenos	1.651	33.14	24671.2							
114300.000	SCemento-1	3.479	70.87	57856.4	AC32 BaseG	1.310	26.73	22848.2			
	ZA	0.769	15.38	14545.5	SCemento-2	0.450	9.01	7989.1			
	AC22 bin	1.048	21.32	18136.9	BBTM 11B	0.443	9.02	7710.4			
	Rellenos	1.640	32.92	24704.1							
114320.000	SCemento-1	3.421	69.00	57925.4	AC32 BaseG	1.286	25.97	22874.1			
	ZA	0.770	15.39	14560.9	SCemento-2	0.450	9.01	7998.1			
	AC22 bin	1.031	20.79	18157.7	BBTM 11B	0.436	8.79	7719.2			
	Rellenos	1.631	32.71	24736.8							
114340.000	SCemento-1	3.422	68.43	57993.8	AC32 BaseG	1.285	25.72	22899.9			
	ZA	0.774	15.44	14576.3	SCemento-2	0.450	9.01	8007.1			
	AC22 bin	1.032	20.63	18178.3	BBTM 11B	0.436	8.72	7727.9			

114360.000	Rellenos	1.628	32.58	24769.4							
	SCemento-1	3.423	68.46	58062.3	AC32 BaseG	1.286	25.71	22925.6			
	ZA	0.769	15.43	14591.8	SCemento-2	0.451	9.01	8016.2			
114380.000	AC22 bin	1.030	20.62	18198.9	BBTM 11B	0.436	8.73	7736.6			
	Rellenos	1.020	26.48	24795.9							
	SCemento-1	3.425	68.48	58130.8	AC32 BaseG	1.285	25.71	22951.3			
114400.000	ZA	0.767	15.36	14607.1	SCemento-2	0.453	9.03	8025.2			
	AC22 bin	1.031	20.62	18219.5	BBTM 11B	0.436	8.73	7745.4			
	Rellenos	0.974	19.94	24815.8							
114400.000	SCemento-1	3.426	68.51	58199.3	AC32 BaseG	1.285	25.70	22977.0			
	ZA	0.707	14.74	14621.9	SCemento-2	0.457	9.10	8034.3			
	AC22 bin	1.031	20.62	18240.1	BBTM 11B	0.436	8.72	7754.1			
	Rellenos	0.928	19.02	24834.8							

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 95
PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *											
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.
114420.000	SCemento-1	3.427		68.53		58267.8		AC32 BaseG	1.284		25.68
	ZA	0.626		13.34		14635.2		SCemento-2	0.461		9.18
	AC22 bin	1.031		20.61		18260.8		BBTM 11B	0.437		8.73
	Rellenos	0.789		17.17		24852.0					
114440.000	SCemento-1	3.422		68.49		58336.3		AC32 BaseG	1.283		25.66
	ZA	0.628		12.54		14647.7		SCemento-2	0.466		9.27
	AC22 bin	1.032		20.63		18281.4		BBTM 11B	0.435		8.73
	Rellenos	0.795		15.84		24867.8					
114460.000	SCemento-1	3.414		68.35		58404.7		AC32 BaseG	1.283		25.65
	ZA	0.575		12.04		14659.8		SCemento-2	0.471		9.38
	AC22 bin	1.031		20.63		18302.0		BBTM 11B	0.437		8.73
	Rellenos	0.682		14.77		24882.6					
114480.000	SCemento-1	3.392		68.06		58472.7		AC32 BaseG	1.282		25.64
	ZA	0.644		12.19		14672.0		SCemento-2	0.490		9.61
	AC22 bin	1.031		20.62		18322.6		BBTM 11B	0.437		8.74
	Rellenos	0.770		14.53		24897.1					
114500.000	SCemento-1	2.670		60.63		58533.3		AC32 BaseG	1.531		28.12
	ZA	0.654		12.98		14684.9		SCemento-2	0.513		10.03
	AC22 bin	1.032		20.62		18343.3		BBTM 11B	0.437		8.74
	Rellenos	0.786		15.57		24912.7					
114520.000	SCemento-1	1.930		46.01		58579.4		AC32 BaseG	0.710		22.40
	ZA	0.656		13.11		14698.1		SCemento-2	0.520		10.33
	AC22 bin	0.713		17.44		18360.7		BBTM 11B	0.436		8.73
	Rellenos	0.787		15.74		24928.4					
114540.000	SCemento-1	1.937		38.68		58618.0		AC32 BaseG	0.854		15.64
	ZA	0.656		13.12		14711.2		SCemento-2	0.524		10.44
	AC22 bin	0.957		16.70		18377.4		BBTM 11B	0.436		8.73
	Rellenos	0.786		15.73		24944.2					
114560.000	SCemento-1	2.687		46.24		58664.3		AC32 BaseG	1.561		24.15
	ZA	0.658		13.14		14724.3		SCemento-2	0.529		10.53
	AC22 bin	1.031		19.88		18397.3		BBTM 11B	0.435		8.72
	Rellenos	0.790		15.76		24959.9					
114580.000	SCemento-1	2.206		48.93		58713.2		AC32 BaseG	2.094		36.55
	ZA	0.655		13.13		14737.4		SCemento-2	0.528		10.56
	AC22 bin	1.033		20.64		18417.9		BBTM 11B	0.435		8.70
	Rellenos	0.776		15.66		24975.6					

114740.000	Rellenos	0.786	15.06	25076.5					
	SCemento-1	3.338	66.76	59139.9	AC32 BaseG	1.279	25.58	23487.0	
	ZA	0.713	13.88	14840.3	SCemento-2	0.527	10.54	8208.0	
114760.000	AC22 bin	1.033	20.65	18582.9	BBTM 11B	0.436	8.71	7902.4	
	Rellenos	0.851	16.37	25092.9					
	SCemento-1	3.278	66.16	59206.1	AC32 BaseG	1.280	25.59	23512.6	
	ZA	0.748	14.60	14854.9	SCemento-2	0.527	10.54	8218.6	
	AC22 bin	1.031	20.64	18603.6	BBTM 11B	0.436	8.71	7911.1	
	Rellenos	0.910	17.61	25110.5					

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 97
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114780.000	SCemento-1	3.338	66.16	59272.2	AC32 BaseG	1.280	25.60	23538.2	
	ZA	0.756	15.03	14870.0	SCemento-2	0.527	10.54	8229.1	
	AC22 bin	1.031	20.63	18624.2	BBTM 11B	0.436	8.72	7919.8	
	Rellenos	0.922	18.32	25128.8					
114800.000	SCemento-1	3.338	66.75	59339.0	AC32 BaseG	1.279	25.59	23563.8	
	ZA	0.619	13.74	14883.7	SCemento-2	0.527	10.54	8239.6	
	AC22 bin	1.033	20.64	18644.8	BBTM 11B	0.435	8.71	7928.5	
	Rellenos	0.679	16.02	25144.8					
114820.000	SCemento-1	3.338	66.75	59405.8	AC32 BaseG	1.279	25.58	23589.3	
	ZA	0.613	12.31	14896.0	SCemento-2	0.527	10.54	8250.2	
	AC22 bin	1.032	20.65	18665.5	BBTM 11B	0.436	8.70	7937.2	
	Rellenos	0.668	13.47	25158.3					
114840.000	SCemento-1	3.338	66.75	59472.5	AC32 BaseG	1.279	25.58	23614.9	
	ZA	0.608	12.21	14908.2	SCemento-2	0.527	10.54	8260.7	
	AC22 bin	1.031	20.63	18686.1	BBTM 11B	0.436	8.72	7945.9	
	Rellenos	0.660	13.28	25171.6					
114860.000	SCemento-1	3.338	66.75	59539.3	AC32 BaseG	1.279	25.58	23640.5	
	ZA	0.614	12.22	14920.4	SCemento-2	0.527	10.54	8271.3	
	AC22 bin	1.031	20.63	18706.8	BBTM 11B	0.436	8.73	7954.6	
	Rellenos	0.674	13.34	25184.9					
114880.000	SCemento-1	3.339	66.76	59606.0	AC32 BaseG	1.280	25.59	23666.1	
	ZA	0.645	12.58	14933.0	SCemento-2	0.527	10.55	8281.8	
	AC22 bin	1.031	20.62	18727.4	BBTM 11B	0.436	8.72	7963.4	
	Rellenos	0.729	14.03	25198.9					
114900.000	SCemento-1	3.338	66.76	59672.8	AC32 BaseG	1.279	25.59	23691.7	
	ZA	0.835	14.80	14947.8	SCemento-2	0.527	10.55	8292.4	
	AC22 bin	1.031	20.62	18748.0	BBTM 11B	0.436	8.72	7972.1	
	Rellenos	1.044	17.73	25216.7					
114920.000	SCemento-1	3.338	66.75	59739.5	AC32 BaseG	1.278	25.57	23717.3	
	ZA	0.879	17.14	14965.0	SCemento-2	0.527	10.54	8302.9	
	AC22 bin	1.032	20.63	18768.6	BBTM 11B	0.437	8.73	7980.8	
	Rellenos	1.392	24.36	25241.0					
114940.000	SCemento-1	2.700	60.38	59799.9	AC32 BaseG	1.730	30.08	23747.4	
	ZA	0.879	17.57	14982.5	SCemento-2	0.527	10.54	8313.5	
	AC22 bin	1.032	20.63	18789.3	BBTM 11B	0.436	8.72	7989.5	
	Rellenos	1.578	29.70	25270.7					

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 98
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
114960.000	SCemento-1	3.338	60.38	59860.3	AC32 BaseG	1.280	30.10	23777.5	
	ZA	0.857	17.36	14999.9	SCemento-2	0.527	10.54	8324.0	
	AC22 bin	1.031	20.63	18809.9	BBTM 11B	0.436	8.72	7998.2	
	Rellenos	1.042	26.20	25296.9					
114980.000	SCemento-1	2.186	55.24	59915.5	AC32 BaseG	2.097	33.76	23811.2	
	ZA	0.875	17.32	15017.2	SCemento-2	0.527	10.54	8334.5	
	AC22 bin	1.032	20.63	18830.5	BBTM 11B	0.436	8.72	8007.0	
	Rellenos	1.065	21.07	25318.0					
115000.000	SCemento-1	3.338	55.24	59970.8	AC32 BaseG	1.279	33.76	23845.0	
	ZA	0.879	17.54	15034.8	SCemento-2	0.527	10.54	8345.1	
	AC22 bin	1.032	20.65	18851.2	BBTM 11B	0.436	8.72	8015.7	
	Rellenos	1.125	21.90	25339.9					
115020.000	SCemento-1	3.338	66.75	60037.5	AC32 BaseG	1.278	25.57	23870.5	
	ZA	0.879	17.57	15052.3	SCemento-2	0.527	10.54	8355.6	
	AC22 bin	1.032	20.64	18871.8	BBTM 11B	0.437	8.73	8024.4	
	Rellenos	1.168	22.93	25362.8					
115040.000	SCemento-1	3.338	66.75	60104.3	AC32 BaseG	1.280	25.58	23896.1	
	ZA	0.879	17.57	15069.9	SCemento-2	0.527	10.54	8366.1	
	AC22 bin	1.032	20.63	18892.4	BBTM 11B	0.435	8.72	8033.1	
	Rellenos	1.179	23.47	25386.3					
115060.000	SCemento-1	3.338	66.75	60171.0	AC32 BaseG	1.279	25.59	23921.7	
	ZA	0.881	17.59	15087.5	SCemento-2	0.527	10.54	8376.7	
	AC22 bin	1.033	20.65	18913.1	BBTM 11B	0.436	8.71	8041.9	
	Rellenos	1.194	23.73	25410.0					
115080.000	SCemento-1	3.337	66.75	60237.8	AC32 BaseG	1.280	25.60	23947.3	
	ZA	0.883	17.64	15105.1	SCemento-2	0.527	10.54	8387.2	
	AC22 bin	1.032	20.64	18933.7	BBTM 11B	0.436	8.72	8050.6	
	Rellenos	1.201	23.95	25434.0					
115100.000	SCemento-1	3.339	66.76	60304.5	AC32 BaseG	1.280	25.60	23972.9	
	ZA	0.887	17.70	15122.8	SCemento-2	0.528	10.55	8397.8	
	AC22 bin	1.031	20.63	18954.4	BBTM 11B	0.436	8.72	8059.3	

115120.000	Rellenos	1.208	24.08	25458.1					
	SCemento-1	3.347	66.87	60371.4	AC32 BaseG	1.279	25.59	23998.5	
	ZA	0.888	17.75	15140.6	SCemento-2	0.529	10.57	8408.3	
	AC22 bin	1.031	20.62	18975.0	BBTM 11B	0.436	8.72	8068.0	
	Rellenos	1.242	24.49	25482.6					

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 99
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115140.000	SCemento-1	2.654	60.02	60431.4	AC32 BaseG	1.153	24.32	24022.8	
	ZA	0.888	17.76	15158.3	SCemento-2	0.524	10.53	8418.9	
	AC22 bin	1.031	20.62	18995.6	BBTM 11B	0.436	8.72	8076.7	
	Rellenos	1.263	25.04	25507.6					
115160.000	SCemento-1	2.422	50.76	60482.2	AC32 BaseG	1.203	23.56	24046.4	
	ZA	0.885	17.72	15176.1	SCemento-2	0.515	10.39	8429.3	
	AC22 bin	1.031	20.62	19016.2	BBTM 11B	0.437	8.73	8085.5	
	Rellenos	1.274	25.37	25533.0					
115180.000	SCemento-1	3.388	58.10	60540.3	AC32 BaseG	1.283	24.87	24071.3	
	ZA	0.837	17.22	15193.3	SCemento-2	0.493	10.09	8439.3	
	AC22 bin	1.030	20.61	19036.8	BBTM 11B	0.436	8.74	8094.2	
	Rellenos	1.294	25.68	25558.7					
115200.000	SCemento-1	3.414	68.02	60608.3	AC32 BaseG	1.284	25.67	24096.9	
	ZA	0.868	17.05	15210.3	SCemento-2	0.471	9.65	8449.0	
	AC22 bin	1.032	20.63	19057.5	BBTM 11B	0.435	8.72	8102.9	
	Rellenos	1.317	26.11	25584.8					
115220.000	SCemento-1	3.414	68.28	60676.6	AC32 BaseG	1.284	25.68	24122.6	
	ZA	0.868	17.36	15227.7	SCemento-2	0.471	9.43	8458.4	
	AC22 bin	1.032	20.64	19078.1	BBTM 11B	0.435	8.71	8111.6	
	Rellenos	1.302	26.20	25611.0					
115240.000	SCemento-1	3.414	68.28	60744.9	AC32 BaseG	1.283	25.67	24148.3	
	ZA	0.868	17.36	15245.0	SCemento-2	0.471	9.43	8467.8	
	AC22 bin	1.033	20.65	19098.8	BBTM 11B	0.435	8.71	8120.3	
	Rellenos	1.286	25.89	25636.9					
115260.000	SCemento-1	3.414	68.28	60813.1	AC32 BaseG	1.282	25.65	24173.9	
	ZA	0.868	17.36	15262.4	SCemento-2	0.472	9.43	8477.3	
	AC22 bin	1.033	20.66	19119.4	BBTM 11B	0.435	8.71	8129.0	
	Rellenos	1.270	25.57	25662.4					
115280.000	SCemento-1	2.688	61.02	60874.2	AC32 BaseG	1.144	24.26	24198.2	
	ZA	0.861	17.28	15279.7	SCemento-2	0.472	9.44	8486.7	
	AC22 bin	1.022	20.55	19140.0	BBTM 11B	0.438	8.73	8137.8	
	Rellenos	1.253	25.23	25687.7					
115300.000	SCemento-1	2.758	54.47	60928.6	AC32 BaseG	1.252	23.96	24222.1	
	ZA	1.010	18.71	15298.4	SCemento-2	0.472	9.44	8496.2	
	AC22 bin	1.031	20.53	19160.5	BBTM 11B	0.438	8.75	8146.5	
	Rellenos	2.168	34.21	25721.9					

Istram 18.05.05.29 17/07/18 18:00:35 459 pagina 100
PROYECTO :
EJE: 1: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
115320.000	SCemento-1	3.414	61.72	60990.4	AC32 BaseG	1.283	25.35	24247.5	
	ZA	1.010	20.20	15318.6	SCemento-2	0.472	9.44	8505.6	
	AC22 bin	1.031	20.62	19181.1	BBTM 11B	0.436	8.74	8155.3	
	Rellenos	2.150	43.18	25765.0					
115340.000	SCemento-1	3.414	68.27	61058.6	AC32 BaseG	1.284	25.67	24273.2	
	ZA	1.010	20.20	15338.8	SCemento-2	0.472	9.44	8515.0	
	AC22 bin	1.031	20.62	19201.7	BBTM 11B	0.436	8.73	8164.0	
	Rellenos	2.132	42.82	25807.9					
115360.000	SCemento-1	3.414	68.28	61126.9	AC32 BaseG	1.284	25.67	24298.8	
	ZA	1.010	20.20	15359.0	SCemento-2	0.471	9.43	8524.5	
	AC22 bin	1.032	20.63	19222.4	BBTM 11B	0.435	8.72	8172.7	
	Rellenos	2.114	42.46	25850.3					
115380.000	SCemento-1	3.414	68.28	61195.2	AC32 BaseG	1.284	25.68	24324.5	
	ZA	1.007	20.17	15379.2	SCemento-2	0.472	9.44	8533.9	
	AC22 bin	1.031	20.63	19243.0	BBTM 11B	0.435	8.71	8181.4	
	Rellenos	2.092	42.06	25892.4					
115400.000	SCemento-1	3.414	68.28	61263.5	AC32 BaseG	1.284	25.68	24350.2	
	ZA	0.998	20.05	15399.2	SCemento-2	0.471	9.44	8543.3	
	AC22 bin	1.032	20.63	19263.6	BBTM 11B	0.435	8.71	8190.1	
	Rellenos	2.077	41.70	25934.1					
115420.000	SCemento-1	3.414	68.28	61331.8	AC32 BaseG	1.283	25.67	24375.9	
	ZA	0.986	19.84	15419.1	SCemento-2	0.472	9.43	8552.8	
	AC22 bin	1.031	20.63	19284.3	BBTM 11B	0.436	8.72	8198.8	
	Rellenos	2.063	41.40	25975.5					
115440.000	SCemento-1	2.470	58.84	61390.6	AC32 BaseG	1.016	23.00	24398.9	
	ZA	0.974	19.60	15438.7	SCemento-2	0.471	9.43	8562.2	
	AC22 bin	0.997	20.28	19304.5	BBTM 11B	0.435	8.72	8207.6	
	Rellenos	2.048	41.11	26016.6					
115460.000	SCemento-1	2.445	49.15	61439.7	AC32 BaseG	0.982	19.99	24418.9	
	ZA	0.962	19.36	15458.0	SCemento-2	0.471	9.43	8571.6	
	AC22 bin	0.924	19.21	19323.8	BBTM 11B	0.435	8.71	8216.3	
	Rellenos	2.033	40.81	26057.4					
115480.000	SCemento-1	3.414	58.59	61498.3	AC32 BaseG	1.284	22.66	24441.5	
	ZA	0.950	19.12	15477.1	SCemento-2	0.472	9.43	8581.1	
	AC22 bin	1.031	19.55	19343.3	BBTM 11B	0.436	8.72	8225.0	

Rellenos 2.015 40.48 26097.9

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

Tronco

pagina 101

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
115500.000	SCemento-1	3.414		68.28	61566.6	AC32 BaseG	1.283		25.67 24467.2
	ZA	0.937		18.87	15496.0	SCemento-2	0.471		9.43 8590.5
	AC22 bin	1.033		20.64	19363.9	BBTM 11B	0.435		8.72 8233.7
	Rellenos	1.998		40.14	26138.0				
115520.000	SCemento-1	3.414		68.28	61634.9	AC32 BaseG	1.282		25.65 24492.8
	ZA	0.925		18.62	15514.6	SCemento-2	0.472		9.43 8599.9
	AC22 bin	1.031		20.64	19384.6	BBTM 11B	0.438		8.73 8242.4
	Rellenos	1.978		39.77	26177.8				
115540.000	SCemento-1	3.414		68.28	61703.2	AC32 BaseG	1.283		25.65 24518.5
	ZA	0.912		18.37	15533.0	SCemento-2	0.472		9.44 8609.4
	AC22 bin	1.031		20.62	19405.2	BBTM 11B	0.436		8.74 8251.2
	Rellenos	1.958		39.36	26217.2				
115560.000	SCemento-1	3.414		68.28	61771.4	AC32 BaseG	1.282		25.65 24544.1
	ZA	0.899		18.11	15551.1	SCemento-2	0.472		9.44 8618.8
	AC22 bin	1.031		20.62	19425.8	BBTM 11B	0.438		8.74 8259.9
	Rellenos	1.937		38.95	26256.1				
115580.000	SCemento-1	3.414		68.28	61839.7	AC32 BaseG	1.282		25.64 24569.8
	ZA	0.888		17.87	15569.0	SCemento-2	0.472		9.44 8628.3
	AC22 bin	1.032		20.63	19446.4	BBTM 11B	0.437		8.74 8268.7
	Rellenos	1.918		38.55	26294.6				
115600.000	SCemento-1	3.414		68.28	61908.0	AC32 BaseG	1.282		25.64 24595.4
	ZA	0.881		17.69	15586.7	SCemento-2	0.472		9.44 8637.7
	AC22 bin	1.032		20.64	19467.1	BBTM 11B	0.437		8.73 8277.4
	Rellenos	1.906		38.24	26332.9				
115620.000	SCemento-1	3.414		68.28	61976.3	AC32 BaseG	1.282		25.64 24621.1
	ZA	0.879		17.61	15604.3	SCemento-2	0.472		9.44 8647.1
	AC22 bin	1.032		20.64	19487.7	BBTM 11B	0.437		8.73 8286.1
	Rellenos	1.903		38.09	26371.0				
115640.000	SCemento-1	3.414		68.28	62044.6	AC32 BaseG	1.282		25.64 24646.7
	ZA	0.879		17.58	15621.9	SCemento-2	0.472		9.44 8656.6
	AC22 bin	1.032		20.64	19508.3	BBTM 11B	0.437		8.73 8294.9
	Rellenos	1.901		38.04	26409.0				
115660.000	SCemento-1	3.414		68.28	62112.8	AC32 BaseG	1.282		25.64 24672.4
	ZA	0.878		17.57	15639.4	SCemento-2	0.472		9.44 8666.0
	AC22 bin	1.032		20.64	19529.0	BBTM 11B	0.437		8.73 8303.6
	Rellenos	1.900		38.02	26447.0				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

Tronco

pagina 102

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
115680.000	SCemento-1	3.414		68.28	62181.1	AC32 BaseG	1.282		25.64 24698.0
	ZA	0.878		17.56	15657.0	SCemento-2	0.472		9.44 8675.5
	AC22 bin	1.032		20.64	19549.6	BBTM 11B	0.437		8.73 8312.3
	Rellenos	1.900		38.00	26485.0				
115700.000	SCemento-1	3.414		68.28	62249.4	AC32 BaseG	1.282		25.64 24723.6
	ZA	0.877		17.55	15674.5	SCemento-2	0.472		9.44 8684.9
	AC22 bin	1.032		20.64	19570.3	BBTM 11B	0.437		8.73 8321.1
	Rellenos	1.899		37.98	26523.0				
115720.000	SCemento-1	3.414		68.28	62317.7	AC32 BaseG	1.282		25.64 24749.3
	ZA	0.874		17.51	15692.1	SCemento-2	0.472		9.44 8694.3
	AC22 bin	1.032		20.64	19590.9	BBTM 11B	0.437		8.73 8329.8
	Rellenos	1.892		37.91	26560.9				
115740.000	SCemento-1	3.414		68.28	62386.0	AC32 BaseG	1.284		25.66 24774.9
	ZA	0.867		17.41	15709.5	SCemento-2	0.472		9.44 8703.8
	AC22 bin	1.031		20.63	19611.5	BBTM 11B	0.436		8.73 8338.5
	Rellenos	1.881		37.72	26598.6				
115760.000	SCemento-1	3.414		68.27	62454.2	AC32 BaseG	1.283		25.67 24800.6
	ZA	0.864		17.31	15726.8	SCemento-2	0.472		9.44 8713.2
	AC22 bin	1.031		20.62	19632.1	BBTM 11B	0.436		8.73 8347.3
	Rellenos	1.874		37.54	26636.2				
115780.000	SCemento-1	3.414		68.27	62522.5	AC32 BaseG	1.283		25.67 24826.3
	ZA	0.863		17.26	15744.0	SCemento-2	0.472		9.44 8722.7
	AC22 bin	1.031		20.62	19652.8	BBTM 11B	0.436		8.73 8356.0
	Rellenos	1.871		37.45	26673.6				
115800.000	SCemento-1	3.413		68.27	62590.8	AC32 BaseG	1.284		25.67 24851.9
	ZA	0.864		17.26	15761.3	SCemento-2	0.472		9.43 8732.1
	AC22 bin	1.031		20.62	19673.4	BBTM 11B	0.436		8.73 8364.7
	Rellenos	1.874		37.45	26711.1				
115820.000	SCemento-1	3.413		68.27	62659.0	AC32 BaseG	1.284		25.68 24877.6
	ZA	0.867		17.31	15778.6	SCemento-2	0.472		9.44 8741.5
	AC22 bin	1.031		20.62	19694.0	BBTM 11B	0.436		8.73 8373.4
	Rellenos	1.881		37.54	26748.6				
115840.000	SCemento-1	3.414		68.28	62727.3	AC32 BaseG	1.282		25.66 24903.3
	ZA	0.874		17.41	15796.0	SCemento-2	0.472		9.44 8751.0
	AC22 bin	1.031		20.62	19714.6	BBTM 11B	0.438		8.74 8382.2
	Rellenos	1.892		37.73	26786.4				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

Tronco

pagina 103

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
115860.000	SCemento-1	3.414		68.28	62795.6	AC32 BaseG	1.283		25.65 24928.9
	ZA	0.882		17.56	15813.6	SCemento-2	0.472		9.44 8760.4
	AC22 bin	1.031		20.62	19735.2	BBTM 11B	0.436		8.74 8390.9
	Rellenos	1.907		38.00	26824.4				
115880.000	SCemento-1	3.414		68.28	62863.9	AC32 BaseG	1.284		25.67 24954.6
	ZA	0.893		17.75	15831.3	SCemento-2	0.472		9.44 8769.9
	AC22 bin	1.031		20.62	19755.9	BBTM 11B	0.436		8.73 8399.6
	Rellenos	1.927		38.35	26862.7				
115900.000	SCemento-1	3.413		68.27	62932.1	AC32 BaseG	1.283		25.67 24980.3
	ZA	0.907		18.00	15849.3	SCemento-2	0.472		9.44 8779.3
	AC22 bin	1.031		20.62	19776.5	BBTM 11B	0.438		8.74 8408.4
	Rellenos	1.950		38.77	26901.5				
115920.000	SCemento-1	3.414		68.26	63000.4	AC32 BaseG	1.284		25.67 25005.9
	ZA	0.921		18.28	15867.6	SCemento-2	0.472		9.44 8788.7
	AC22 bin	1.030		20.61	19797.1	BBTM 11B	0.436		8.74 8417.1
	Rellenos	1.428		33.78	26935.3				
115940.000	SCemento-1	3.414		68.27	63068.7	AC32 BaseG	1.283		25.67 25031.6
	ZA	0.926		18.47	15886.1	SCemento-2	0.472		9.44 8798.2
	AC22 bin	1.031		20.61	19817.7	BBTM 11B	0.436		8.73 8425.8
	Rellenos	1.406		28.34	26963.6				
115960.000	SCemento-1	3.414		68.27	63136.9	AC32 BaseG	1.283		25.67 25057.3
	ZA	0.936		18.62	15904.7	SCemento-2	0.472		9.44 8807.6
	AC22 bin	1.031		20.62	19838.3	BBTM 11B	0.436		8.73 8434.6
	Rellenos	1.537		29.43	26993.0				
115980.000	SCemento-1	3.414		68.27	63205.2	AC32 BaseG	1.283		25.67 25082.9
	ZA	0.940		18.76	15923.5	SCemento-2	0.472		9.44 8817.1
	AC22 bin	1.031		20.62	19858.9	BBTM 11B	0.436		8.73 8443.3
	Rellenos	2.001		35.38	27028.4				
116000.000	SCemento-1	3.414		68.27	63273.5	AC32 BaseG	1.284		25.67 25108.6
	ZA	0.944		18.83	15942.3	SCemento-2	0.472		9.44 8826.5
	AC22 bin	1.031		20.62	19879.5	BBTM 11B	0.436		8.73 8452.0
	Rellenos	2.007		40.09	27068.5				
116020.000	SCemento-1	3.414		68.27	63341.8	AC32 BaseG	1.284		25.67 25134.3
	ZA	0.948		18.91	15961.2	SCemento-2	0.472		9.44 8836.0
	AC22 bin	1.031		20.61	19900.2	BBTM 11B	0.436		8.73 8460.7
	Rellenos	2.013		40.20	27108.7				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

Tronco

pagina 104

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
116040.000	SCemento-1	3.414		68.27	63410.0	AC32 BaseG	1.284		25.67 25160.0
	ZA	0.952		19.00	15980.2	SCemento-2	0.472		9.45 8845.4
	AC22 bin	1.031		20.61	19920.8	BTM 11B	0.436		8.73 8469.5
	Rellenos	2.018		40.31	27149.0				
116060.000	SCemento-1	3.414		68.27	63478.3	AC32 BaseG	1.284		25.67 25185.6
	ZA	0.956		19.08	15999.3	SCemento-2	0.472		9.44 8854.8
	AC22 bin	1.031		20.62	19941.4	BTM 11B	0.436		8.73 8478.2
	Rellenos	2.024		40.42	27189.4				
116080.000	SCemento-1	3.414		68.27	63546.6	AC32 BaseG	1.283		25.67 25211.3
	ZA	0.960		19.16	16018.4	SCemento-2	0.472		9.44 8864.3
	AC22 bin	1.031		20.62	19962.0	BTM 11B	0.436		8.73 8486.9
	Rellenos	2.030		40.53	27230.0				
116100.000	SCemento-1	3.414		68.27	63614.8	AC32 BaseG	1.283		25.67 25237.0
	ZA	0.964		19.24	16037.7	SCemento-2	0.472		9.44 8873.7
	AC22 bin	1.031		20.62	19982.6	BTM 11B	0.436		8.73 8495.6
	Rellenos	2.035		40.65	27270.6				
116120.000	SCemento-1	3.414		68.27	63683.1	AC32 BaseG	1.283		25.67 25262.6
	ZA	0.968		19.32	16057.0	SCemento-2	0.472		9.43 8883.2
	AC22 bin	1.031		20.62	20003.3	BTM 11B	0.436		8.73 8504.4
	Rellenos	2.040		40.75	27311.4				
116140.000	SCemento-1	3.413		68.27	63751.4	AC32 BaseG	1.283		25.66 25288.3
	ZA	0.972		19.40	16076.4	SCemento-2	0.472		9.43 8892.6
	AC22 bin	1.031		20.62	20023.9	BTM 11B	0.438		8.74 8513.1
	Rellenos	2.045		40.85	27352.2				
116160.000	SCemento-1	3.414		68.27	63819.6	AC32 BaseG	1.282		25.65 25314.0
	ZA	0.976		19.48	16095.9	SCemento-2	0.472		9.44 8902.0
	AC22 bin	1.031		20.62	20044.5	BTM 11B	0.438		8.75 8521.9
	Rellenos	2.050		40.95	27393.2				
116180.000	SCemento-1	3.414		68.28	63887.9	AC32 BaseG	1.282		25.64 25339.6
	ZA	0.979		19.55	16115.4	SCemento-2	0.472		9.44 8911.5
	AC22 bin	1.032		20.63	20065.1	BTM 11B	0.437		8.74 8530.6
	Rellenos	2.054		41.04	27434.2				
116200.000	SCemento-1	3.414		68.28	63956.2	AC32 BaseG	1.282		25.64 25365.2
	ZA	0.981		19.60	16135.0	SCemento-2	0.472		9.44 8920.9
	AC22 bin	1.032		20.64	20085.8	BTM 11B	0.437		8.73 8539.3
	Rellenos	2.057		41.11	27475.3				

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
116220.000	SCemento-1	3.414		68.28		64024.5		
	ZA	0.982		19.64		16154.7		
	AC22 bin	1.033		20.64		20106.4		
	Rellenos	2.059		41.16		27516.5		
116240.000	SCemento-1	3.414		68.28		64092.8		
	ZA	0.839		18.22		16172.9		
	AC22 bin	1.031		20.63		20127.0		
	Rellenos	1.125		31.84		27548.3		
116260.000	SCemento-1	3.414		68.28		64161.0		
	ZA	0.980		18.19		16191.1		
	AC22 bin	1.031		20.62		20147.7		
	Rellenos	2.055		31.80		27580.1		
116280.000	SCemento-1	3.414		68.28		64229.3		
	ZA	0.976		19.56		16210.6		
	AC22 bin	1.033		20.63		20168.3		
	Rellenos	2.051		41.06		27621.2		
116300.000	SCemento-1	3.414		68.28		64297.6		
	ZA	0.829		18.05		16228.7		
	AC22 bin	1.031		20.63		20188.9		
	Rellenos	1.112		31.63		27652.8		
116320.000	SCemento-1	3.414		68.28		64365.9		
	ZA	0.823		16.52		16245.2		
	AC22 bin	1.031		20.62		20209.5		
	Rellenos	1.104		22.16		27675.0		
116340.000	SCemento-1	3.414		68.27		64434.2		
	ZA	0.815		16.38		16261.6		
	AC22 bin	1.031		20.62		20230.2		
	Rellenos	1.094		21.98		27697.0		
116360.000	SCemento-1	3.413		68.27		64502.4		
	ZA	0.806		16.21		16277.8		
	AC22 bin	1.031		20.62		20250.8		
	Rellenos	1.081		21.75		27718.7		
116380.000	SCemento-1	3.414		68.27		64570.7		
	ZA	0.796		16.01		16293.8		
	AC22 bin	1.033		20.64		20271.4		
	Rellenos	1.066		21.47		27740.2		

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 106
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
116400.000	SCemento-1	3.414		68.28		64639.0		
	ZA	0.784		15.79		16309.6		
	AC22 bin	1.030		20.63		20292.0		
	Rellenos	1.048		21.14		27761.3		
116420.000	SCemento-1	3.414		68.28		64707.3		
	ZA	0.772		15.56		16325.1		
	AC22 bin	1.030		20.61		20312.7		
	Rellenos	1.029		20.77		27782.1		
116440.000	SCemento-1	3.414		68.28		64775.5		
	ZA	0.759		15.31		16340.4		
	AC22 bin	1.031		20.62		20333.3		
	Rellenos	1.009		20.39		27802.5		
116460.000	SCemento-1	3.414		68.28		64843.8		
	ZA	0.746		15.05		16355.5		
	AC22 bin	1.032		20.63		20353.9		
	Rellenos	0.986		19.95		27822.4		
116480.000	SCemento-1	3.414		68.28		64912.1		
	ZA	0.732		14.78		16370.3		
	AC22 bin	1.032		20.64		20374.5		
	Rellenos	0.961		19.47		27841.9		
116500.000	SCemento-1	3.414		68.28		64980.4		
	ZA	0.717		14.48		16384.8		
	AC22 bin	1.032		20.64		20395.2		
	Rellenos	0.933		18.93		27860.8		
116520.000	SCemento-1	3.414		68.28		65048.6		
	ZA	0.701		14.18		16398.9		
	AC22 bin	1.032		20.64		20415.8		
	Rellenos	0.903		18.35		27879.2		
116540.000	SCemento-1	3.414		68.28		65116.9		
	ZA	0.686		13.87		16412.8		
	AC22 bin	1.032		20.64		20436.5		
	Rellenos	0.870		17.73		27896.9		
116560.000	SCemento-1	3.414		68.28		65185.2		
	ZA	0.671		13.56		16426.4		
	AC22 bin	1.033		20.65		20457.1		
	Rellenos	0.838		17.09		27914.0		

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 107
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
116580.000	SCemento-1	3.414		68.28		65253.5		
	ZA	0.657		13.27		16439.6		
	AC22 bin	1.033		20.66		20477.8		
	Rellenos	0.807		16.45		27930.4		
116600.000	SCemento-1	3.414		68.28		65321.8		
	ZA	0.643		13.00		16452.6		
	AC22 bin	1.033		20.66		20498.4		
	Rellenos	0.777		15.84		27946.3		
116620.000	SCemento-1	3.414		68.28		65390.0		
	ZA	0.631		12.75		16465.4		
	AC22 bin	1.032		20.64		20519.1		
	Rellenos	0.748		15.25		27961.5		
116640.000	SCemento-1	3.414		68.28		65458.3		
	ZA	0.632		12.64		16478.0		
	AC22 bin	1.031		20.63		20539.7		
	Rellenos	0.750		14.99		27976.5		
116660.000	SCemento-1	1.789		52.03		65510.4		
	ZA	0.639		12.71		16490.7		
	AC22 bin	1.031		20.62		20560.3		
	Rellenos	0.767		15.17		27991.7		
116680.000	SCemento-1	1.822		36.11		65546.5		
	ZA	0.644		12.83		16503.6		
	AC22 bin	1.031		20.62		20580.9		
	Rellenos	0.778		15.44		28007.1		
116700.000	SCemento-1	2.052		38.74		65585.2		
	ZA	0.642		12.86		16516.4		
	AC22 bin	1.031		20.62		20601.6		
	Rellenos	0.773		15.51		28022.6		
116720.000	SCemento-1	1.989		40.42		65625.6		
	ZA	0.643		12.85		16529.3		
	AC22 bin	1.031		20.62		20622.2		
	Rellenos	0.780		15.53		28038.2		
116740.000	SCemento-1	1.930		39.19		65664.8		
	ZA	0.612		12.55		16541.8		
	AC22 bin	1.031		20.62		20642.8		
	Rellenos	0.765		15.45		28053.6		

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 108
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
116760.000	SCemento-1	1.961		38.91		65703.7		
	ZA	0.622		12.35		16554.2		
	AC22 bin	1.031		20.62		20663.4		
	Rellenos	0.781		15.46		28069.1		
116780.000	SCemento-1	1.991		39.52		65743.2		
	ZA	0.616		12.38		16566.6		
	AC22 bin	1.031		20.62		20684.1		
	Rellenos	0.787		15.68		28084.8		
116800.000	SCemento-1	2.017		40.08		65783.3		
	ZA	0.580		11.95		16578.5		
	AC22 bin	1.031		20.61		20704.7		
	Rellenos	0.747		15.35		28100.1		
116820.000	SCemento-1	2.042		40.60		65823.9		
	ZA	0.591		11.71		16590.2		
	AC22 bin	1.031		20.61		20725.3		
	Rellenos	0.768		15.16		28115.3		
116840.000	SCemento-1	2.065		41.07		65865.0		
	ZA	0.589		11.80		16602.0		
	AC22 bin	1.031		20.62		20745.9		
	Rellenos	0.753		15.21		28130.5		
116860.000	SCemento-1	2.085		41.50		65906.5		
	ZA	0.593		11.82		16613.8		
	AC22 bin	1.031		20.62		20766.5		
	Rellenos	0.749		15.03		28145.5		
116880.000	SCemento-1	2.103		41.88		65948.4		
	ZA	0.619		12.13		16626.0		
	AC22 bin	1.031		20.62		20787.1		
	Rellenos	0.791		15.41		28160.9		
116900.000	SCemento-1	2.120		42.23		65990.6		
	ZA	0.623		12.42		16638.4		
	AC22 bin	1.030		20.61		20807.8		
	Rellenos	0.779		15.71		28176.6		
116920.000	SCemento-1	2.134		42.54		66033.1		
	ZA	0.640		12.63		16651.0		
	AC22 bin	0.924		19.55		20827.3		
	Rellenos	0.795		15.75		28192.4		

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 109
PROYECTO :
EJE: 1: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Dch.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
116940.000	SCemento-1	2.145		42.80		66075.9		
	ZA	0.626		12.66		16663.7		

116960.000	AC22 bin	0.762	16.87	20844.2	BBTM 11B	0.436	8.73	8862.2
	Rellenos	0.793	15.88	28208.3				
	SCemento-1	2.155	43.00	66118.9	AC32 BaseG	0.780	15.56	26259.9
116980.000	ZA	0.591	12.17	16675.9	SCemento-2	0.472	9.43	9279.5
	AC22 bin	0.898	16.60	20860.8	BBTM 11B	0.436	8.72	8870.9
	Rellenos	0.785	15.78	28224.0				
117000.000	SCemento-1	2.161	43.16	66162.1	AC32 BaseG	0.783	15.63	26275.5
	ZA	0.567	11.57	16687.4	SCemento-2	0.472	9.43	9289.0
	AC22 bin	0.984	18.82	20879.6	BBTM 11B	0.436	8.72	8879.6
117020.000	Rellenos	0.732	15.18	28239.2				
	SCemento-1	2.166	43.27	66205.4	AC32 BaseG	0.785	15.68	26291.2
	ZA	0.575	11.42	16698.9	SCemento-2	0.472	9.44	9298.4
117040.000	AC22 bin	0.943	19.27	20898.9	BBTM 11B	0.436	8.73	8888.3
	Rellenos	0.751	14.83	28254.1				
	SCemento-1	2.169	43.34	66248.7	AC32 BaseG	0.786	15.71	26306.9
117060.000	ZA	0.552	11.28	16710.1	SCemento-2	0.472	9.44	9307.8
	AC22 bin	0.918	18.62	20917.5	BBTM 11B	0.436	8.73	8897.1
	Rellenos	0.702	14.53	28268.6				
117080.000	SCemento-1	2.169	43.38	66292.1	AC32 BaseG	0.786	15.71	26322.6
	ZA	0.576	11.28	16721.4	SCemento-2	0.472	9.43	9317.3
	AC22 bin	0.831	17.50	20935.0	BBTM 11B	0.435	8.72	8905.8
117100.000	Rellenos	0.750	14.52	28283.1				
	SCemento-1	2.168	43.37	66335.4	AC32 BaseG	0.785	15.71	26338.3
	ZA	0.567	11.42	16732.8	SCemento-2	0.472	9.43	9326.7
117120.000	AC22 bin	0.865	16.96	20951.9	BBTM 11B	0.435	8.71	8914.5
	Rellenos	0.733	14.84	28298.0				
	SCemento-1	2.163	43.31	66378.8	AC32 BaseG	0.784	15.69	26354.0
117140.000	ZA	0.785	13.52	16746.4	SCemento-2	0.472	9.44	9336.1
	AC22 bin	0.795	16.59	20968.5	BBTM 11B	0.435	8.71	8923.2
	Rellenos	1.279	20.12	28318.1				
117160.000	SCemento-1	3.414	55.77	66434.5	AC32 BaseG	1.282	20.66	26374.7
	ZA	0.796	15.81	16762.2	SCemento-2	0.472	9.44	9345.6
	AC22 bin	1.031	18.26	20986.8	BBTM 11B	0.438	8.73	8931.9
	Rellenos	1.733	30.11	28348.2				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 110

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME								

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL
117120.000	SCemento-1	3.415	68.29	66502.8	AC32 BaseG	1.284	25.66	26400.3
	ZA	0.799	15.95	16778.1	SCemento-2	0.472	9.44	9355.0
	AC22 bin	1.031	20.62	21007.4	BBTM 11B	0.435	8.73	8940.7
	Rellenos	1.741	34.73	28382.9				
117140.000	SCemento-1	3.414	68.29	66571.1	AC32 BaseG	1.282	25.66	26426.0
	ZA	0.801	16.00	16794.1	SCemento-2	0.472	9.44	9364.5
	AC22 bin	1.031	20.62	21028.0	BBTM 11B	0.438	8.73	8949.4
	Rellenos	1.744	34.85	28417.8				
117160.000	SCemento-1	3.414	68.28	66639.4	AC32 BaseG	1.284	25.66	26451.7
	ZA	0.787	15.88	16810.0	SCemento-2	0.472	9.44	9373.9
	AC22 bin	1.031	20.62	21048.6	BBTM 11B	0.436	8.74	8958.1
	Rellenos	1.713	34.57	28452.3				
117180.000	SCemento-1	3.414	68.28	66707.7	AC32 BaseG	1.284	25.68	26477.3
	ZA	0.788	15.76	16825.8	SCemento-2	0.471	9.43	9383.3
	AC22 bin	1.032	20.63	21069.3	BBTM 11B	0.435	8.72	8966.8
	Rellenos	1.715	34.28	28486.6				
117200.000	SCemento-1	3.414	68.28	66775.9	AC32 BaseG	1.283	25.67	26503.0
	ZA	0.790	15.79	16841.5	SCemento-2	0.472	9.43	9392.8
	AC22 bin	1.031	20.63	21089.9	BBTM 11B	0.436	8.72	8975.6
	Rellenos	1.720	34.35	28521.0				
117220.000	SCemento-1	3.414	68.27	66844.2	AC32 BaseG	1.283	25.67	26528.7
	ZA	0.795	15.86	16857.4	SCemento-2	0.472	9.43	9402.2
	AC22 bin	1.031	20.62	21110.5	BBTM 11B	0.436	8.73	8984.3
	Rellenos	1.074	27.94	28548.9				
117240.000	SCemento-1	3.414	68.28	66912.5	AC32 BaseG	1.282	25.66	26554.3
	ZA	0.764	15.59	16873.0	SCemento-2	0.472	9.44	9411.6
	AC22 bin	1.031	20.62	21131.2	BBTM 11B	0.438	8.74	8993.0
	Rellenos	1.002	20.77	28569.7				
117260.000	SCemento-1	3.414	68.28	66980.8	AC32 BaseG	1.284	25.66	26580.0
	ZA	0.780	15.44	16888.4	SCemento-2	0.472	9.44	9421.1
	AC22 bin	1.031	20.62	21151.8	BBTM 11B	0.436	8.74	9001.8
	Rellenos	1.697	26.99	28596.7				
117280.000	SCemento-1	3.414	68.28	67049.1	AC32 BaseG	1.282	25.66	26605.6
	ZA	0.782	15.63	16904.1	SCemento-2	0.472	9.44	9430.5
	AC22 bin	1.031	20.62	21172.4	BBTM 11B	0.438	8.74	9010.5
	Rellenos	1.700	33.97	28630.6				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 111

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME								

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL
117300.000	SCemento-1	3.414	68.28	67117.3	AC32 BaseG	1.282	25.64	26631.3
	ZA	0.813	15.95	16920.0	SCemento-2	0.472	9.44	9439.9
	AC22 bin	1.031	20.62	21193.0	BBTM 11B	0.438	8.75	9019.3
	Rellenos	1.770	34.70	28665.3				
117320.000	SCemento-1	3.414	68.28	67185.6	AC32 BaseG	1.282	25.64	26656.9
	ZA	0.765	15.78	16935.8	SCemento-2	0.472	9.44	9449.4

117340.000	AC22 bin	1.031	20.62	21213.6	BBTM 11B	0.438	8.75	9028.0
	Rellenos	1.658	34.27	28699.6				
	SCemento-1	3.414	68.28	67253.9	AC32 BaseG	1.283	25.65	26682.6
117360.000	ZA	0.761	15.26	16951.0	SCemento-2	0.471	9.44	9458.8
	AC22 bin	1.031	20.62	21234.2	BBTM 11B	0.436	8.74	9036.7
	Rellenos	1.648	33.06	28732.7				
117380.000	SCemento-1	3.413	68.27	67322.2	AC32 BaseG	1.283	25.66	26708.2
	ZA	0.800	15.61	16966.7	SCemento-2	0.472	9.43	9468.3
	AC22 bin	1.032	20.63	21254.9	BBTM 11B	0.437	8.73	9045.5
117400.000	Rellenos	1.737	33.85	28766.5				
	SCemento-1	3.387	68.00	67390.2	AC32 BaseG	1.283	25.65	26733.9
	ZA	0.835	16.35	16983.0	SCemento-2	0.495	9.67	9477.9
117420.000	AC22 bin	1.032	20.63	21275.5	BBTM 11B	0.436	8.73	9054.2
	Rellenos	1.852	35.88	28802.4				
	SCemento-1	3.363	67.49	67457.7	AC32 BaseG	1.281	25.64	26759.5
117440.000	ZA	0.806	16.41	16999.4	SCemento-2	0.517	10.12	9488.0
	AC22 bin	1.031	20.63	21296.1	BBTM 11B	0.436	8.72	9062.9
	Rellenos	1.602	34.54	28836.9				
117460.000	SCemento-1	3.465	68.28	67525.9	AC32 BaseG	1.321	26.02	26785.5
	ZA	0.812	16.18	17015.6	SCemento-2	0.516	10.33	9498.4
	AC22 bin	1.060	20.91	21317.1	BBTM 11B	0.449	8.85	9071.8
117480.000	Rellenos	1.557	31.59	28868.5				
	SCemento-1	3.594	70.59	67596.5	AC32 BaseG	1.374	26.96	26812.5
	ZA	0.773	15.85	17031.4	SCemento-2	0.516	10.33	9508.7
117500.000	AC22 bin	1.098	21.58	21338.6	BBTM 11B	0.463	9.12	9080.9
	Rellenos	1.401	29.58	28898.1				
	SCemento-1	3.724	73.18	67669.7	AC32 BaseG	1.427	28.01	26840.5
117520.000	ZA	0.760	15.33	17046.8	SCemento-2	0.517	10.33	9519.0
	AC22 bin	1.132	22.30	21360.9	BBTM 11B	0.479	9.41	9090.3
	Rellenos	1.346	27.47	28925.6				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 112

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch. Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
117480.000	SCemento-1	3.854	75.78	67745.5	AC32 BaseG	1.478	29.05	26869.6
	ZA	1.017	17.78	17064.5	SCemento-2	0.517	10.33	9529.4
	AC22 bin	1.169	23.01	21384.0	BBTM 11B	0.495	9.74	9100.0
	Rellenos	2.211	35.57	28961.1				
117500.000	SCemento-1	3.984	78.38	67823.9	AC32 BaseG	1.530	30.08	26899.6
	ZA	1.017	20.34	17084.9	SCemento-2	0.517	10.34	9539.7
	AC22 bin	1.205	23.74	21407.7	BBTM 11B	0.510	10.05	9110.1
	Rellenos	2.451	46.62	29007.8				
117520.000	SCemento-1	4.114	80.98	67904.8	AC32 BaseG	1.581	31.11	26930.7
	ZA	1.017	20.34	17105.2	SCemento-2	0.516	10.34	9550.0
	AC22 bin	1.241	24.46	21432.1	BBTM 11B	0.527	10.37	9120.5
	Rellenos	2.450	49.01	29056.8				
117540.000	SCemento-1	4.238	83.52	67988.4	AC32 BaseG	1.629	32.10	26962.8
	ZA	1.017	20.35	17125.6	SCemento-2	0.517	10.33	9560.4
	AC22 bin	1.277	25.18	21457.3	BBTM 11B	0.540	10.67	9131.1
	Rellenos	2.451	49.01	29105.8				
117560.000	SCemento-1	4.240	84.78	68073.1	AC32 BaseG	1.631	32.60	26995.4
	ZA	1.017	20.35	17145.9	SCemento-2	0.517	10.34	9570.7
	AC22 bin	1.276	25.53	21482.9	BBTM 11B	0.541	10.82	9141.9
	Rellenos	2.450	49.01	29154.8				
117580.000	SCemento-1	4.238	84.78	68157.9	AC32 BaseG	1.632	32.63	27028.1
	ZA	1.017	20.35	17166.3	SCemento-2	0.517	10.33	9581.0
	AC22 bin	1.276	25.52	21508.4	BBTM 11B	0.541	10.82	9152.8
	Rellenos	2.451	49.01	29203.8				
117600.000	SCemento-1	4.238	84.76	68242.7	AC32 BaseG	1.632	32.63	27060.7
	ZA	1.017	20.34	17186.6	SCemento-2	0.516	10.33	9591.4
	AC22 bin	1.277	25.53	21533.9	BBTM 11B	0.540	10.81	9163.6
	Rellenos	2.648	50.99	29254.8				
117620.000	SCemento-1	4.238	84.76	68327.4	AC32 BaseG	1.631	32.63	27093.3
	ZA	1.017	20.35	17207.0	SCemento-2	0.517	10.33	9601.7
	AC22 bin	1.276	25.53	21559.4	BBTM 11B	0.541	10.81	9174.4
	Rellenos	2.664	53.12	29307.9				
117640.000	SCemento-1	4.238	84.76	68412.2	AC32 BaseG	1.631	32.62	27126.0
	ZA	1.017	20.35	17227.3	SCemento-2	0.516	10.33	9612.0
	AC22 bin	1.276	25.52	21585.0	BBTM 11B	0.541	10.82	9185.2
	Rellenos	2.183	48.47	29356.4				

117720.000	AC22 bin	1.031	23.07	21659.1	BBTM 11B	0.436	9.77	9216.6
	Rellenos	2.265	39.05	29473.0				
	SCemento-1	3.363	67.26	68725.0	AC32 BaseG	1.282	25.62	27245.9
	ZA	0.932	19.49	17304.7	SCemento-2	0.516	10.34	9653.4
117740.000	AC22 bin	1.031	20.62	21679.7	BBTM 11B	0.436	8.73	9225.4
	Rellenos	1.400	36.65	29509.6				
	SCemento-1	1.464	48.27	68773.2	AC32 BaseG	0.522	18.04	27264.0
	ZA	0.654	15.85	17320.5	SCemento-2	0.517	10.33	9663.7
117760.000	AC22 bin	0.533	15.64	21695.3	BBTM 11B	0.437	8.73	9234.1
	Rellenos	0.842	22.42	29532.0				
	SCemento-1	3.363	48.27	68821.5	AC32 BaseG	1.281	18.03	27282.0
	ZA	1.017	16.71	17337.3	SCemento-2	0.516	10.33	9674.0
117780.000	AC22 bin	1.031	15.64	21711.0	BBTM 11B	0.436	8.73	9242.8
	Rellenos	2.046	28.88	29560.9				
	SCemento-1	3.363	67.26	68888.8	AC32 BaseG	1.281	25.62	27307.6
	ZA	1.016	20.34	17357.6	SCemento-2	0.516	10.33	9684.3
117800.000	AC22 bin	1.031	20.62	21731.6	BBTM 11B	0.436	8.73	9251.6
	Rellenos	2.065	41.11	29602.0				
	SCemento-1	3.363	67.26	68956.0	AC32 BaseG	1.281	25.63	27333.3
	ZA	1.016	20.32	17377.9	SCemento-2	0.516	10.33	9694.7
117820.000	AC22 bin	1.031	20.62	21752.2	BBTM 11B	0.436	8.73	9260.3
	Rellenos	2.060	41.25	29643.3				
	SCemento-1	3.364	67.27	69023.3	AC32 BaseG	1.282	25.63	27358.9
	ZA	1.014	20.30	17398.2	SCemento-2	0.519	10.36	9705.0
	AC22 bin	1.031	20.62	21772.9	BBTM 11B	0.436	8.72	9269.0
	Rellenos	2.074	41.34	29684.6				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 114
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
117840.000	SCemento-1	3.375	67.39	69090.7	AC32 BaseG	1.282	25.64	27384.5	
	ZA	1.010	20.25	17418.5	SCemento-2	0.505	10.24	9715.3	
	AC22 bin	1.031	20.62	21793.5	BBTM 11B	0.436	8.72	9277.7	
	Rellenos	2.034	41.07	29725.7					
117860.000	SCemento-1	3.390	67.65	69158.3	AC32 BaseG	1.281	25.64	27410.2	
	ZA	1.014	20.24	17438.7	SCemento-2	0.493	9.97	9725.2	
	AC22 bin	1.032	20.63	21814.1	BBTM 11B	0.437	8.73	9286.4	
	Rellenos	2.266	42.99	29768.7					
117880.000	SCemento-1	3.403	67.93	69226.3	AC32 BaseG	1.284	25.65	27435.8	
	ZA	1.012	20.25	17459.0	SCemento-2	0.480	9.73	9735.0	
	AC22 bin	1.032	20.64	21834.8	BBTM 11B	0.435	8.72	9295.2	
	Rellenos	2.274	45.40	29814.1					
117900.000	SCemento-1	3.414	68.17	69294.4	AC32 BaseG	1.283	25.67	27461.5	
	ZA	1.010	20.22	17479.2	SCemento-2	0.471	9.52	9744.5	
	AC22 bin	1.033	20.65	21855.4	BBTM 11B	0.435	8.71	9303.9	
	Rellenos	2.270	45.45	29859.5					
117920.000	SCemento-1	3.414	68.28	69362.7	AC32 BaseG	1.284	25.67	27487.2	
	ZA	1.010	20.20	17499.4	SCemento-2	0.472	9.43	9753.9	
	AC22 bin	1.031	20.64	21876.0	BBTM 11B	0.436	8.72	9312.6	
	Rellenos	2.270	45.40	29904.9					
117940.000	SCemento-1	3.414	68.28	69431.0	AC32 BaseG	1.284	25.68	27512.8	
	ZA	1.010	20.20	17519.6	SCemento-2	0.471	9.43	9763.4	
	AC22 bin	1.032	20.63	21896.7	BBTM 11B	0.436	8.72	9321.3	
	Rellenos	2.270	45.40	29950.3					
117960.000	SCemento-1	3.414	68.28	69499.3	AC32 BaseG	1.282	25.66	27538.5	
	ZA	1.008	20.18	17539.8	SCemento-2	0.472	9.43	9772.8	
	AC22 bin	1.031	20.63	21917.3	BBTM 11B	0.438	8.73	9330.0	
	Rellenos	2.209	44.79	29995.1					
117980.000	SCemento-1	3.414	68.28	69567.6	AC32 BaseG	1.284	25.66	27564.2	
	ZA	1.010	20.18	17559.9	SCemento-2	0.471	9.43	9782.2	
	AC22 bin	1.032	20.63	21937.9	BBTM 11B	0.435	8.73	9338.8	
	Rellenos	2.263	44.72	30039.8					
118000.000	SCemento-1	3.414	68.28	69635.9	AC32 BaseG	1.283	25.67	27589.8	
	ZA	1.010	20.20	17580.1	SCemento-2	0.471	9.43	9791.7	
	AC22 bin	1.033	20.65	21958.6	BBTM 11B	0.435	8.71	9347.5	
	Rellenos	2.244	45.07	30084.9					

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 115
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
118020.000	SCemento-1	3.414	68.28	69704.1	AC32 BaseG	1.284	25.67	27615.5	
	ZA	1.010	20.20	17600.3	SCemento-2	0.472	9.43	9801.1	
	AC22 bin	1.031	20.64	21979.2	BBTM 11B	0.436	8.72	9356.2	
	Rellenos	2.244	44.88	30129.8					
118040.000	SCemento-1	3.414	68.28	69772.4	AC32 BaseG	1.284	25.68	27641.2	
	ZA	1.010	20.20	17620.5	SCemento-2	0.471	9.43	9810.5	
	AC22 bin	1.032	20.63	21999.9	BBTM 11B	0.436	8.72	9364.9	
	Rellenos	2.243	44.87	30174.6					
118060.000	SCemento-1	3.414	68.28	69840.7	AC32 BaseG	1.282	25.66	27666.8	
	ZA	1.010	20.20	17640.8	SCemento-2	0.472	9.44	9820.0	
	AC22 bin	1.031	20.63	22020.5	BBTM 11B	0.438	8.73	9373.7	
	Rellenos	2.244	44.87	30219.5					
118080.000	SCemento-1	3.414	68.28	69909.0	AC32 BaseG	1.284	25.66	27692.5	
	ZA	1.010	20.20	17661.0	SCemento-2	0.471	9.43	9829.4	

118100.000	AC22 bin	1.032	20.63	22041.1	BBTM 11B	0.435	8.73	9382.4
	Rellenos	2.244	44.88	30264.4				
	SCemento-1	3.414	68.28	69977.3	AC32 BaseG	1.283	25.67	27718.2
	ZA	1.010	20.20	17681.2	SCemento-2	0.471	9.43	9838.8
118120.000	AC22 bin	1.033	20.65	22061.8	BBTM 11B	0.435	8.71	9391.1
	Rellenos	2.244	44.88	30309.3				
	SCemento-1	3.414	68.28	70045.5	AC32 BaseG	1.284	25.67	27743.8
	ZA	1.010	20.20	17701.4	SCemento-2	0.472	9.43	9848.3
118140.000	AC22 bin	1.031	20.64	22082.4	BBTM 11B	0.436	8.72	9399.8
	Rellenos	2.244	44.88	30354.2				
	SCemento-1	3.414	68.28	70113.8	AC32 BaseG	1.284	25.68	27769.5
	ZA	0.732	17.42	17718.8	SCemento-2	0.471	9.43	9857.7
118160.000	AC22 bin	1.032	20.63	22103.0	BBTM 11B	0.436	8.72	9408.5
	Rellenos	1.058	33.02	30387.2				
	SCemento-1	3.414	68.28	70182.1	AC32 BaseG	1.283	25.67	27795.2
	ZA	0.732	14.65	17733.4	SCemento-2	0.472	9.43	9867.1
118180.000	AC22 bin	1.031	20.63	22123.7	BBTM 11B	0.436	8.72	9417.3
	Rellenos	1.059	21.17	30408.3				
	SCemento-1	3.414	68.28	70250.4	AC32 BaseG	1.284	25.67	27820.9
	ZA	0.733	14.65	17748.1	SCemento-2	0.471	9.43	9876.6
	AC22 bin	1.032	20.63	22144.3	BBTM 11B	0.436	8.72	9426.0
	Rellenos	1.062	21.21	30429.6				

Istram 18.05.05.29 17/07/18 18:00:36 459 pagina 116
PROYECTO :
EJE: 1: Autov de Castilla A-62: Due s-Cigales Dch.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
118200.000	SCemento-1	3.414	68.28	70318.7	AC32 BaseG	1.283	25.67	27846.5	
	ZA	0.733	14.65	17762.7	SCemento-2	0.471	9.43	9886.0	
	AC22 bin	1.033	20.65	22164.9	BBTM 11B	0.435	8.71	9434.7	
	Rellenos	1.067	21.29	30450.9					
118220.000	SCemento-1	3.413	68.27	70386.9	AC32 BaseG	1.284	25.67	27872.2	
	ZA	1.010	17.42	17780.2	SCemento-2	0.472	9.43	9895.4	
	AC22 bin	1.031	20.64	22185.6	BBTM 11B	0.436	8.72	9443.4	
	Rellenos	2.257	33.24	30484.1					
118240.000	SCemento-1	3.414	68.28	70455.2	AC32 BaseG	1.284	25.68	27897.9	
	ZA	1.010	20.20	17800.4	SCemento-2	0.472	9.44	9904.9	
	AC22 bin	1.031	20.62	22206.2	BBTM 11B	0.435	8.72	9452.1	
	Rellenos	2.261	45.18	30529.3					
118260.000	SCemento-1	3.414	68.28	70523.5	AC32 BaseG	1.284	25.68	27923.5	
	ZA	1.010	20.20	17820.6	SCemento-2	0.472	9.45	9914.3	
	AC22 bin	1.031	20.61	22226.8	BBTM 11B	0.436	8.72	9460.9	
	Rellenos	2.265	45.27	30574.5					
118280.000	SCemento-1	3.414	68.27	70591.8	AC32 BaseG	1.284	25.68	27949.2	
	ZA	1.010	20.20	17840.8	SCemento-2	0.471	9.44	9923.7	
	AC22 bin	1.032	20.63	22247.4	BBTM 11B	0.435	8.72	9469.6	
	Rellenos	2.270	45.35	30619.9					
118300.000	SCemento-1	3.414	68.28	70660.0	AC32 BaseG	1.283	25.67	27974.9	
	ZA	1.010	20.20	17861.0	SCemento-2	0.472	9.44	9933.2	
	AC22 bin	1.030	20.63	22268.1	BBTM 11B	0.436	8.72	9478.3	
	Rellenos	2.275	45.45	30665.3					
118320.000	SCemento-1	3.414	68.28	70728.3	AC32 BaseG	1.283	25.67	28000.6	
	ZA	1.010	20.20	17881.2	SCemento-2	0.472	9.44	9942.6	
	AC22 bin	1.031	20.62	22288.7	BBTM 11B	0.436	8.73	9487.0	
	Rellenos	2.280	45.55	30710.9					
118340.000	SCemento-1	3.414	68.28	70796.6	AC32 BaseG	1.282	25.66	28026.2	
	ZA	1.010	20.20	17901.4	SCemento-2	0.472	9.44	9952.1	
	AC22 bin	1.031	20.62	22309.3	BBTM 11B	0.438	8.74	9495.8	
	Rellenos	2.285	45.65	30756.5					
118360.000	SCemento-1	3.414	68.28	70864.9	AC32 BaseG	1.282	25.64	28051.9	
	ZA	1.010	20.21	17921.6	SCemento-2	0.472	9.44	9961.5	
	AC22 bin	1.032	20.63	22329.9	BBTM 11B	0.437	8.74	9504.5	
	Rellenos	2.290	45.75	30802.3					

118480.000	AC22 bin	1.032	20.63	22433.1	BBTM 11B	0.435	8.72	9548.1
	Rellenos	1.119	23.88	30998.4				
	SCemento-1	3.414	68.28	71274.5	AC32 BaseG	1.284	25.67	28205.9
118500.000	ZA	0.837	16.71	18034.7	SCemento-2	0.471	9.43	10018.1
	AC22 bin	1.032	20.64	22453.8	BBTM 11B	0.435	8.71	9556.8
	Rellenos	1.123	22.42	31020.8				
118520.000	SCemento-1	3.414	68.28	71342.8	AC32 BaseG	1.284	25.68	28231.5
	ZA	0.795	16.32	18051.0	SCemento-2	0.472	9.44	10027.5
	AC22 bin	1.031	20.63	22474.4	BBTM 11B	0.435	8.71	9565.5
118540.000	Rellenos	1.065	21.87	31042.7				
	SCemento-1	3.414	68.28	71411.1	AC32 BaseG	1.283	25.67	28257.2
	ZA	0.760	15.54	18066.6	SCemento-2	0.472	9.45	10037.0
118540.000	AC22 bin	1.030	20.61	22495.0	BBTM 11B	0.436	8.72	9574.3
	Rellenos	1.009	20.74	31063.4				
	SCemento-1	3.414	68.28	71479.4	AC32 BaseG	1.284	25.67	28282.9
	ZA	0.740	15.00	18081.6	SCemento-2	0.472	9.45	10046.4
	AC22 bin	1.031	20.61	22515.6	BBTM 11B	0.435	8.72	9583.0
	Rellenos	0.976	19.85	31083.3				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

pagina 118

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
118560.000	SCemento-1	3.414	68.28	71547.7	AC32 BaseG	1.283	25.67	28308.5
	ZA	0.787	15.27	18096.8	SCemento-2	0.471	9.44	10055.9
	AC22 bin	1.033	20.64	22536.3	BBTM 11B	0.435	8.71	9591.7
118580.000	Rellenos	1.053	20.29	31103.6				
	SCemento-1	3.414	68.28	71615.9	AC32 BaseG	1.283	25.66	28334.2
	ZA	0.733	15.20	18112.0	SCemento-2	0.471	9.43	10065.3
	AC22 bin	1.033	20.66	22556.9	BBTM 11B	0.435	8.71	9600.4
118600.000	Rellenos	0.964	20.17	31123.7				
	SCemento-1	3.414	68.28	71684.2	AC32 BaseG	1.284	25.67	28359.9
	ZA	0.773	15.06	18127.1	SCemento-2	0.472	9.44	10074.7
	AC22 bin	1.031	20.64	22577.6	BBTM 11B	0.436	8.72	9609.1
118620.000	Rellenos	1.031	19.95	31143.7				
	SCemento-1	3.414	68.28	71752.5	AC32 BaseG	1.284	25.68	28385.6
	ZA	0.799	15.72	18142.8	SCemento-2	0.472	9.44	10084.2
	AC22 bin	1.031	20.62	22598.2	BBTM 11B	0.436	8.73	9617.8
118640.000	Rellenos	1.071	21.03	31164.7				
	SCemento-1	3.414	68.28	71820.8	AC32 BaseG	1.282	25.66	28411.2
	ZA	0.750	15.49	18158.3	SCemento-2	0.472	9.44	10093.6
	AC22 bin	1.032	20.63	22618.8	BBTM 11B	0.437	8.73	9626.6
118660.000	Rellenos	0.994	20.65	31185.4				
	SCemento-1	3.413	68.27	71889.0	AC32 BaseG	1.284	25.66	28436.9
	ZA	0.796	15.46	18173.8	SCemento-2	0.472	9.44	10103.0
	AC22 bin	1.031	20.63	22639.4	BBTM 11B	0.436	8.73	9635.3
118680.000	Rellenos	1.067	20.60	31206.0				
	SCemento-1	3.414	68.27	71957.3	AC32 BaseG	1.283	25.67	28462.5
	ZA	0.867	16.64	18190.4	SCemento-2	0.473	9.45	10112.5
	AC22 bin	1.031	20.62	22660.0	BBTM 11B	0.436	8.72	9644.0
118700.000	Rellenos	1.213	22.80	31228.8				
	SCemento-1	3.399	68.13	72025.4	AC32 BaseG	1.283	25.66	28488.2
	ZA	0.873	17.40	18207.8	SCemento-2	0.484	9.57	10122.1
	AC22 bin	1.031	20.62	22680.7	BBTM 11B	0.437	8.73	9652.7
118720.000	Rellenos	1.485	26.99	31255.7				
	SCemento-1	3.386	67.86	72093.3	AC32 BaseG	1.282	25.65	28513.9
	ZA	0.877	17.50	18225.3	SCemento-2	0.496	9.80	10131.9
	AC22 bin	1.031	20.62	22701.3	BBTM 11B	0.436	8.73	9661.5
	Rellenos	1.531	30.17	31285.9				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

pagina 119

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
118740.000	SCemento-1	3.373	67.59	72160.9	AC32 BaseG	1.282	25.63	28539.5
	ZA	0.882	17.59	18242.9	SCemento-2	0.508	10.04	10141.9
	AC22 bin	1.032	20.63	22721.9	BBTM 11B	0.435	8.72	9670.2
118760.000	Rellenos	1.633	31.64	31317.6				
	SCemento-1	4.237	76.10	72237.0	AC32 BaseG	1.630	29.11	28568.6
	ZA	0.885	17.66	18260.5	SCemento-2	0.517	10.25	10152.1
	AC22 bin	1.275	23.07	22745.0	BBTM 11B	0.542	9.78	9680.0
118780.000	Rellenos	1.622	32.55	31350.1				
	SCemento-1	4.238	84.76	72321.8	AC32 BaseG	1.629	32.59	28601.2
	ZA	0.885	17.69	18278.2	SCemento-2	0.517	10.35	10162.5
	AC22 bin	1.277	25.52	22770.5	BBTM 11B	0.540	10.83	9690.8
118800.000	Rellenos	1.623	32.45	31382.6				
	SCemento-1	4.238	84.76	72406.5	AC32 BaseG	1.630	32.59	28633.8
	ZA	0.885	17.70	18295.9	SCemento-2	0.517	10.35	10172.8
	AC22 bin	1.275	25.52	22796.0	BBTM 11B	0.542	10.83	9701.6
118820.000	Rellenos	1.622	32.45	31415.0				
	SCemento-1	4.238	84.75	72491.3	AC32 BaseG	1.630	32.60	28666.4
	ZA	0.885	17.70	18313.6	SCemento-2	0.517	10.35	10183.2
	AC22 bin	1.277	25.52	22821.5	BBTM 11B	0.540	10.83	9712.5
118840.000	Rellenos	1.622	32.44	31447.5				
	SCemento-1	4.240	84.77	72576.0	AC32 BaseG	1.632	32.62	28699.0
	ZA	0.885	17.69	18331.3	SCemento-2	0.517	10.34	10193.5

118860.000	AC22 bin	1.276	25.53	22847.1	BBTM 11B	0.541	10.81	9723.3
	Rellenos	1.622	32.44	31479.9				
	SCemento-1	4.239	84.79	72660.8	AC32 BaseG	1.631	32.63	28731.6
118880.000	ZA	0.885	17.69	18349.0	SCemento-2	0.517	10.33	10203.9
	AC22 bin	1.276	25.52	22872.6	BBTM 11B	0.541	10.82	9734.1
	Rellenos	1.622	32.44	31512.3				
118900.000	SCemento-1	4.238	84.77	72745.6	AC32 BaseG	1.630	32.61	28764.2
	ZA	1.011	18.96	18368.0	SCemento-2	0.517	10.34	10214.2
	AC22 bin	1.275	25.51	22898.1	BBTM 11B	0.542	10.84	9744.9
118900.000	Rellenos	1.937	35.59	31547.9				
	SCemento-1	4.238	84.76	72830.4	AC32 BaseG	1.631	32.60	28796.8
	ZA	1.017	20.28	18388.3	SCemento-2	0.516	10.34	10224.5
	AC22 bin	1.276	25.51	22923.6	BBTM 11B	0.541	10.84	9755.8
	Rellenos	2.483	44.19	31592.1				

Istram 18.05.05.29 17/07/18 18:00:36 459

PROYECTO :

EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.
Tronco

pagina 120

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
118920.000	SCemento-1	4.238	84.76	72915.1	AC32 BaseG	1.630	32.61	28829.4
	ZA	0.835	18.52	18406.8	SCemento-2	0.517	10.34	10234.9
	AC22 bin	1.275	25.51	22949.1	BBTM 11B	0.542	10.84	9766.6
118940.000	Rellenos	1.395	38.78	31630.9				
	SCemento-1	4.240	84.77	72999.9	AC32 BaseG	1.632	32.61	28862.0
	ZA	1.017	18.52	18425.3	SCemento-2	0.517	10.34	10245.2
	AC22 bin	1.276	25.51	22974.7	BBTM 11B	0.541	10.83	9777.4
118960.000	Rellenos	2.174	35.69	31666.6				
	SCemento-1	4.238	84.78	73084.7	AC32 BaseG	1.632	32.63	28894.7
	ZA	1.011	20.29	18445.6	SCemento-2	0.516	10.33	10255.5
	AC22 bin	1.276	25.52	23000.2	BBTM 11B	0.541	10.82	9788.3
118980.000	Rellenos	2.029	42.03	31708.6				
	SCemento-1	4.213	84.51	73169.2	AC32 BaseG	1.621	32.53	28927.2
	ZA	1.011	20.22	18465.8	SCemento-2	0.517	10.34	10265.9
	AC22 bin	1.269	25.45	23025.6	BBTM 11B	0.538	10.79	9799.1
119000.000	Rellenos	1.993	40.23	31748.8				
	SCemento-1	4.084	82.97	73252.2	AC32 BaseG	1.570	31.91	28959.1
	ZA	1.011	20.22	18486.0	SCemento-2	0.516	10.34	10276.2
	AC22 bin	1.234	25.03	23050.7	BBTM 11B	0.522	10.60	9809.7
119020.000	Rellenos	2.174	41.68	31790.5				
	SCemento-1	3.954	80.39	73332.5	AC32 BaseG	1.518	30.88	28990.0
	ZA	0.840	18.51	18504.6	SCemento-2	0.516	10.33	10286.6
	AC22 bin	1.197	24.30	23075.0	BBTM 11B	0.506	10.29	9819.9
119040.000	Rellenos	1.913	40.87	31831.4				
	SCemento-1	3.825	77.79	73410.3	AC32 BaseG	1.465	29.84	29019.8
	ZA	0.986	18.26	18522.8	SCemento-2	0.516	10.33	10296.9
	AC22 bin	1.160	23.57	23098.5	BBTM 11B	0.492	9.99	9829.9
119060.000	Rellenos	1.919	38.32	31869.7				
	SCemento-1	3.694	75.19	73485.5	AC32 BaseG	1.413	28.79	29048.6
	ZA	0.808	17.94	18540.8	SCemento-2	0.516	10.33	10307.2
	AC22 bin	1.125	22.85	23121.4	BBTM 11B	0.475	9.68	9839.6
119080.000	Rellenos	1.589	35.08	31904.8				
	SCemento-1	3.566	72.60	73558.1	AC32 BaseG	1.363	27.77	29076.4
	ZA	0.853	16.60	18557.4	SCemento-2	0.516	10.33	10317.5
	AC22 bin	1.088	22.13	23143.5	BBTM 11B	0.459	9.35	9849.0
	Rellenos	1.091	26.80	31931.6				

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PROYECTO :
EJE: 1: Autov^{de} de Castilla A-62: Due^s-Cigales Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-	0.1
SCemento-1	73926.7
AC32 BaseG	29225.5
ZA	18656.1
SCemento-2	10378.0
AC22 bin	23265.1
BBTM 11B	9900.5
Rellenos	32057.5

Istram 18.05.05.29 17/07/18 18:00:41 459

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
97500.000	SCemento-1	3.414	0.00	0.0		AC32 BaseG	1.284	0.00	0.0	
	ZA	0.868	0.00	0.0		SCemento-2	0.472	0.00	0.0	
	AC22 bin	1.031	0.00	0.0		BBTM 11B	0.436	0.00	0.0	
	Rellenos	1.470	0.00	0.0						
97520.000	SCemento-1	3.414	68.28	68.3		AC32 BaseG	1.284	25.67	25.7	
	ZA	0.868	17.36	17.4		SCemento-2	0.472	9.43	9.4	
	AC22 bin	1.031	20.63	20.6		BBTM 11B	0.436	8.73	8.7	
	Rellenos	1.473	29.43	29.4						
97540.000	SCemento-1	3.414	68.28	136.6		AC32 BaseG	1.283	25.67	51.3	
	ZA	0.868	17.36	34.7		SCemento-2	0.471	9.43	18.9	
	AC22 bin	1.033	20.64	41.3		BBTM 11B	0.435	8.72	17.4	
	Rellenos	1.476	29.48	58.9						
97560.000	SCemento-1	3.414	68.28	204.8		AC32 BaseG	1.284	25.67	77.0	
	ZA	0.868	17.36	52.1		SCemento-2	0.472	9.44	28.3	
	AC22 bin	1.030	20.63	61.9		BBTM 11B	0.436	8.72	26.2	
	Rellenos	1.478	29.53	88.4						
97580.000	SCemento-1	3.414	68.27	273.1		AC32 BaseG	1.283	25.67	102.7	
	ZA	0.868	17.36	69.4		SCemento-2	0.472	9.44	37.7	
	AC22 bin	1.031	20.62	82.5		BBTM 11B	0.436	8.73	34.9	
	Rellenos	1.481	29.58	118.0						
97600.000	SCemento-1	3.414	68.28	341.4		AC32 BaseG	1.284	25.67	128.4	
	ZA	0.868	17.36	86.8		SCemento-2	0.471	9.43	47.2	
	AC22 bin	1.032	20.63	103.2		BBTM 11B	0.435	8.72	43.6	
	Rellenos	1.483	29.63	147.7						
97620.000	SCemento-1	3.414	68.28	409.7		AC32 BaseG	1.283	25.67	154.0	
	ZA	0.868	17.36	104.1		SCemento-2	0.472	9.44	56.6	
	AC22 bin	1.031	20.63	123.8		BBTM 11B	0.436	8.72	52.3	
	Rellenos	1.485	29.68	177.3						
97640.000	SCemento-1	3.413	68.26	477.9		AC32 BaseG	1.283	25.66	179.7	
	ZA	0.868	17.36	121.5		SCemento-2	0.472	9.44	66.1	
	AC22 bin	1.031	20.62	144.4		BBTM 11B	0.438	8.74	61.1	
	Rellenos	1.487	29.72	207.0						
97660.000	SCemento-1	3.414	68.27	546.2		AC32 BaseG	1.284	25.67	205.4	
	ZA	0.868	17.36	138.9		SCemento-2	0.471	9.43	75.5	
	AC22 bin	1.032	20.63	165.0		BBTM 11B	0.435	8.73	69.8	
	Rellenos	1.490	29.77	236.8						

Istram 18.05.05.29 17/07/18 18:00:41 459

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
97680.000	SCemento-1	3.414	68.28	614.5		AC32 BaseG	1.284	25.67	231.0	
	ZA	0.868	17.36	156.2		SCemento-2	0.472	9.44	84.9	
	AC22 bin	1.031	20.63	185.7		BBTM 11B	0.436	8.72	78.5	
	Rellenos	1.492	29.81	266.6						
97700.000	SCemento-1	3.414	68.28	682.7		AC32 BaseG	1.282	25.66	256.7	
	ZA	0.868	17.36	173.6		SCemento-2	0.472	9.44	94.4	
	AC22 bin	1.031	20.62	206.3		BBTM 11B	0.438	8.74	87.3	
	Rellenos	1.494	29.85	296.5						
97720.000	SCemento-1	3.414	68.28	751.0		AC32 BaseG	1.284	25.66	282.3	
	ZA	0.868	17.36	190.9		SCemento-2	0.472	9.44	103.8	
	AC22 bin	1.032	20.63	226.9		BBTM 11B	0.436	8.73	96.0	
	Rellenos	1.496	29.90	326.4						
97740.000	SCemento-1	3.414	68.27	819.3		AC32 BaseG	1.284	25.67	308.0	
	ZA	0.868	17.35	208.3		SCemento-2	0.472	9.44	113.2	
	AC22 bin	1.031	20.62	247.5		BBTM 11B	0.436	8.72	104.7	
	Rellenos	1.498	29.94	356.3						
97760.000	SCemento-1	3.414	68.28	887.6		AC32 BaseG	1.282	25.66	333.7	
	ZA	0.868	17.35	225.6		SCemento-2	0.472	9.44	122.7	
	AC22 bin	1.033	20.63	268.2		BBTM 11B	0.435	8.72	113.4	
	Rellenos	1.500	29.98	386.3						
97780.000	SCemento-1	3.414	68.28	955.9		AC32 BaseG	1.283	25.66	359.3	
	ZA	0.868	17.36	243.0		SCemento-2	0.472	9.44	132.1	
	AC22 bin	1.030	20.63	288.8		BBTM 11B	0.436	8.72	122.1	
	Rellenos	1.502	30.02	416.3						
97800.000	SCemento-1	3.414	68.28	1024.1		AC32 BaseG	1.283	25.67	385.0	

	ZA	0.868	17.36	260.3	SCemento-2	0.472	9.44	141.6
	AC22 bin	1.031	20.62	309.4	BBTM 11B	0.436	8.73	130.9
	Rellenos	1.504	30.06	446.4				
97820.000	SCemento-1	3.414	68.28	1092.4	AC32 BaseG	1.283	25.67	410.7
	ZA	0.868	17.36	277.7	SCemento-2	0.471	9.43	151.0
	AC22 bin	1.033	20.64	330.0	BBTM 11B	0.435	8.72	139.6
	Rellenos	1.506	30.10	476.5				
97840.000	SCemento-1	3.414	68.28	1160.7	AC32 BaseG	1.283	25.67	436.3
	ZA	0.868	17.36	295.1	SCemento-2	0.472	9.44	160.4
	AC22 bin	1.031	20.64	350.7	BBTM 11B	0.436	8.72	148.3
	Rellenos	1.507	30.13	506.6				

Istram 18.05.05.29 17/07/18 18:00:41 459

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
97860.000	SCemento-1	3.414	68.27	1229.0		AC32 BaseG	1.283	25.67	462.0	
	ZA	0.868	17.36	312.4		SCemento-2	0.472	9.44	169.9	
	AC22 bin	1.031	20.62	371.3		BBTM 11B	0.436	8.73	157.0	
	Rellenos	1.509	30.17	536.8						
97880.000	SCemento-1	3.414	68.28	1297.2		AC32 BaseG	1.284	25.67	487.7	
	ZA	0.868	17.36	329.8		SCemento-2	0.471	9.43	179.3	
	AC22 bin	1.032	20.63	391.9		BBTM 11B	0.435	8.72	165.7	
	Rellenos	1.511	30.21	567.0						
97900.000	SCemento-1	3.414	68.28	1365.5		AC32 BaseG	1.283	25.67	513.3	
	ZA	0.868	17.35	347.1		SCemento-2	0.472	9.44	188.7	
	AC22 bin	1.031	20.63	412.6		BBTM 11B	0.436	8.72	174.5	
	Rellenos	1.512	30.24	597.2						
97920.000	SCemento-1	3.414	68.28	1433.8		AC32 BaseG	1.282	25.65	539.0	
	ZA	0.868	17.36	364.5		SCemento-2	0.472	9.44	198.2	
	AC22 bin	1.031	20.62	433.2		BBTM 11B	0.438	8.74	183.2	
	Rellenos	1.514	30.26	627.5						
97940.000	SCemento-1	3.414	68.28	1502.1		AC32 BaseG	1.284	25.66	564.7	
	ZA	0.868	17.36	381.9		SCemento-2	0.471	9.44	207.6	
	AC22 bin	1.032	20.63	453.8		BBTM 11B	0.435	8.73	191.9	
	Rellenos	1.516	30.30	657.8						
97960.000	SCemento-1	3.414	68.28	1570.3		AC32 BaseG	1.284	25.67	590.3	
	ZA	0.868	17.35	399.2		SCemento-2	0.472	9.44	217.1	
	AC22 bin	1.031	20.63	474.4		BBTM 11B	0.436	8.72	200.7	
	Rellenos	1.517	30.33	688.1						
97980.000	SCemento-1	3.414	68.28	1638.6		AC32 BaseG	1.282	25.66	616.0	
	ZA	0.868	17.35	416.6		SCemento-2	0.472	9.44	226.5	
	AC22 bin	1.032	20.63	495.1		BBTM 11B	0.437	8.73	209.4	
	Rellenos	1.518	30.35	718.5						
98000.000	SCemento-1	3.414	68.28	1706.9		AC32 BaseG	1.284	25.66	641.6	
	ZA	0.868	17.36	433.9		SCemento-2	0.471	9.43	235.9	
	AC22 bin	1.031	20.63	515.7		BBTM 11B	0.436	8.73	218.1	
	Rellenos	1.519	30.37	748.8						
98020.000	SCemento-1	3.469	68.83	1775.7		AC32 BaseG	1.306	25.89	667.5	
	ZA	0.868	17.36	451.3		SCemento-2	0.472	9.43	245.4	
	AC22 bin	1.047	20.78	536.5		BBTM 11B	0.443	8.79	226.9	
	Rellenos	1.519	30.38	779.2						

Istram 18.05.05.29 17/07/18 18:00:42 459

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98040.000	SCemento-1	3.598	70.67	1846.4		AC32 BaseG	1.357	26.62	694.2	
	ZA	0.868	17.36	468.6		SCemento-2	0.472	9.44	254.8	
	AC22 bin	1.084	21.30	557.8		BBTM 11B	0.458	9.01	235.9	
	Rellenos	1.519	30.38	809.6						
98060.000	SCemento-1	3.728	73.26	1919.7		AC32 BaseG	1.410	27.67	721.8	
	ZA	0.868	17.36	486.0		SCemento-2	0.472	9.44	264.2	
	AC22 bin	1.118	22.02	579.8		BBTM 11B	0.474	9.32	245.2	
	Rellenos	1.519	30.39	840.0						
98080.000	SCemento-1	3.858	75.85	1995.5		AC32 BaseG	1.461	28.71	750.5	
	ZA	0.868	17.36	503.3		SCemento-2	0.472	9.44	273.7	
	AC22 bin	1.155	22.73	602.5		BBTM 11B	0.490	9.64	254.9	
	Rellenos	1.520	30.39	870.4						
98100.000	SCemento-1	3.988	78.45	2074.0		AC32 BaseG	1.513	29.74	780.3	
	ZA	0.868	17.36	520.7		SCemento-2	0.471	9.44	283.1	

98200.000	ZA	0.866	17.34	590.1	SCemento-2	0.472	9.44	320.9
	AC22 bin	1.276	25.53	726.1	BBTM 11B	0.541	10.82	307.2
	Rellenos	1.515	30.32	1022.2				
	SCemento-1	4.288	85.76	2495.6	AC32 BaseG	1.632	32.66	940.7
	ZA	0.843	17.09	607.2	SCemento-2	0.472	9.44	330.3
	AC22 bin	1.276	25.51	751.6	BBTM 11B	0.543	10.84	318.1
	Rellenos	1.512	30.27	1052.5				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 5
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98220.000	SCemento-1	4.289		85.77	2581.3	AC32 BaseG	1.634		32.66	973.3
	ZA	0.855		16.98	624.2	SCemento-2	0.471		9.43	339.7
	AC22 bin	1.277		25.53	777.2	BBTM 11B	0.540		10.83	328.9
	Rellenos	1.512		30.24	1082.7					
98240.000	SCemento-1	4.288		85.77	2667.1	AC32 BaseG	1.634		32.67	1006.0
	ZA	0.846		17.02	641.2	SCemento-2	0.472		9.44	349.2
	AC22 bin	1.276		25.53	802.7	BBTM 11B	0.541		10.82	339.7
	Rellenos	1.508		30.20	1112.9					
98260.000	SCemento-1	4.289		85.78	2752.9	AC32 BaseG	1.632		32.65	1038.6
	ZA	0.833		16.79	658.0	SCemento-2	0.472		9.44	358.6
	AC22 bin	1.277		25.52	828.2	BBTM 11B	0.542		10.83	350.6
	Rellenos	1.501		30.10	1143.0					
98280.000	SCemento-1	4.289		85.78	2838.7	AC32 BaseG	1.634		32.65	1071.3
	ZA	0.830		16.63	674.6	SCemento-2	0.471		9.44	368.1
	AC22 bin	1.277		25.54	853.8	BBTM 11B	0.541		10.83	361.4
	Rellenos	1.497		29.98	1173.0					
98300.000	SCemento-1	4.289		85.77	2924.4	AC32 BaseG	1.633		32.67	1104.0
	ZA	0.837		16.67	691.3	SCemento-2	0.472		9.44	377.5
	AC22 bin	1.276		25.53	879.3	BBTM 11B	0.541		10.82	372.2
	Rellenos	1.497		29.93	1202.9					
98320.000	SCemento-1	4.289		85.78	3010.2	AC32 BaseG	1.632		32.65	1136.6
	ZA	0.830		16.67	708.0	SCemento-2	0.472		9.44	386.9
	AC22 bin	1.278		25.54	904.8	BBTM 11B	0.541		10.82	383.0
	Rellenos	1.489		29.85	1232.8					
98340.000	SCemento-1	4.289		85.78	3096.0	AC32 BaseG	1.633		32.65	1169.3
	ZA	0.826		16.56	724.5	SCemento-2	0.471		9.44	396.4
	AC22 bin	1.277		25.55	930.4	BBTM 11B	0.541		10.82	393.9
	Rellenos	1.481		29.70	1262.5					
98360.000	SCemento-1	4.289		85.77	3181.8	AC32 BaseG	1.633		32.67	1201.9
	ZA	0.820		16.45	741.0	SCemento-2	0.472		9.43	405.8
	AC22 bin	1.276		25.53	955.9	BBTM 11B	0.541		10.83	404.7
	Rellenos	1.471		29.52	1292.0					
98380.000	SCemento-1	3.414		77.03	3258.8	AC32 BaseG	1.284		29.17	1231.1
	ZA	0.846		16.65	757.6	SCemento-2	0.472		9.43	415.2
	AC22 bin	1.032		23.08	979.0	BBTM 11B	0.435		9.77	414.5
	Rellenos	1.478		29.49	1321.5					

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 6
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98400.000	SCemento-1	3.414		68.28	3327.1	AC32 BaseG	1.283		25.67	1256.8
	ZA	0.836		16.82	774.4	SCemento-2	0.472		9.44	424.7
	AC22 bin	1.031		20.63	999.6	BBTM 11B	0.436		8.72	423.2
	Rellenos	1.468		29.46	1350.9					
98420.000	SCemento-1	3.414		68.28	3395.4	AC32 BaseG	1.282		25.65	1282.4
	ZA	0.831		16.67	791.1	SCemento-2	0.472		9.44	434.1
	AC22 bin	1.031		20.62	1020.2	BBTM 11B	0.438		8.74	431.9
	Rellenos	1.457		29.25	1380.2					
98440.000	SCemento-1	3.414		68.28	3463.6	AC32 BaseG	1.284		25.66	1308.1
	ZA	0.829		16.60	807.7	SCemento-2	0.472		9.44	443.6
	AC22 bin	1.032		20.63	1040.9	BBTM 11B	0.435		8.73	440.6
	Rellenos	1.448		29.05	1409.2					
98460.000	SCemento-1	3.414		68.27	3531.9	AC32 BaseG	1.284		25.67	1333.8
	ZA	0.834		16.63	824.3	SCemento-2	0.472		9.44	453.0
	AC22 bin	1.031		20.63	1061.5	BBTM 11B	0.436		8.72	449.4
	Rellenos	1.441		28.88	1438.1					
98480.000	SCemento-1	3.414		68.28	3600.2	AC32 BaseG	1.282		25.66	1359.4
	ZA	0.834		16.69	841.0	SCemento-2	0.472		9.44	462.4
	AC22 bin	1.032		20.63	1082.1	BBTM 11B	0.437		8.73	458.1
	Rellenos	1.430		28.70	1466.8					
98500.000	SCemento-1	3.414		68.28	3668.5	AC32 BaseG	1.284		25.66	1385.1
	ZA	0.829		16.63	857.7	SCemento-2	0.472		9.43	471.9
	AC22 bin	1.031		20.63	1102.7	BBTM 11B	0.436		8.73	466.8
	Rellenos	1.418		28.48	1495.3					
98520.000	SCemento-1	3.414		68.28	3736.7	AC32 BaseG	1.284		25.67	1410.8
	ZA	0.817		16.45	874.1	SCemento-2	0.472		9.43	481.3
	AC22 bin	1.031		20.63	1123.4	BBTM 11B	0.436		8.73	475.5
	Rellenos	1.401		28.18	1523.5					
98540.000	SCemento-1	3.414		68.28	3805.0	AC32 BaseG	1.283		25.67	1436.4
	ZA	0.815		16.32	890.4	SCemento-2	0.471		9.43	490.7
	AC22 bin	1.033		20.64	1144.0	BBTM 11B	0.435		8.72	484.3
	Rellenos	1.393		27.93	1551.4					
98560.000	SCemento-1	3.414		68.28	3873.3	AC32 BaseG	1.284		25.67	1462.1

ZA	1.002	18.17	908.6	SCemento-2	0.472	9.44	500.2
AC22 bin	1.030	20.63	1164.6	BBTM 11B	0.436	8.72	493.0
Rellenos	1.661	30.54	1582.0				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 7
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
98580.000	SCemento-1	3.414	68.27	3941.6	AC32 BaseG	1.283	25.67	1487.8	
	ZA	1.010	20.11	928.7	SCemento-2	0.472	9.44	509.6	
	AC22 bin	1.031	20.62	1185.3	BBTM 11B	0.436	8.73	501.7	
	Rellenos	2.327	39.89	1621.8					
98600.000	SCemento-1	3.414	68.28	4009.8	AC32 BaseG	1.284	25.67	1513.4	
	ZA	0.868	18.77	947.5	SCemento-2	0.471	9.44	519.1	
	AC22 bin	1.032	20.63	1205.9	BBTM 11B	0.435	8.72	510.4	
	Rellenos	1.394	37.21	1659.1					
98620.000	SCemento-1	1.862	52.76	4062.6	AC32 BaseG	0.972	22.56	1536.0	
	ZA	0.866	17.33	964.8	SCemento-2	0.472	9.44	528.5	
	AC22 bin	1.031	20.63	1226.5	BBTM 11B	0.436	8.72	519.1	
	Rellenos	1.389	27.83	1686.9					
98640.000	SCemento-1	1.697	35.59	4098.2	AC32 BaseG	0.950	19.23	1555.2	
	ZA	0.862	17.27	982.1	SCemento-2	0.472	9.44	537.9	
	AC22 bin	1.031	20.62	1247.1	BBTM 11B	0.438	8.74	527.9	
	Rellenos	1.385	27.74	1714.6					
98660.000	SCemento-1	1.590	32.87	4131.1	AC32 BaseG	0.952	19.03	1574.3	
	ZA	0.855	17.17	999.3	SCemento-2	0.472	9.44	547.4	
	AC22 bin	1.032	20.63	1267.8	BBTM 11B	0.435	8.73	536.6	
	Rellenos	1.381	27.66	1742.3					
98680.000	SCemento-1	1.597	31.87	4162.9	AC32 BaseG	0.879	18.31	1592.6	
	ZA	0.846	17.01	1016.3	SCemento-2	0.472	9.44	556.8	
	AC22 bin	1.031	20.63	1288.4	BBTM 11B	0.436	8.72	545.3	
	Rellenos	1.379	27.60	1769.9					
98700.000	SCemento-1	1.598	31.95	4194.9	AC32 BaseG	0.718	15.98	1608.6	
	ZA	1.010	18.56	1034.8	SCemento-2	0.472	9.44	566.3	
	AC22 bin	1.002	20.33	1308.7	BBTM 11B	0.438	8.74	554.1	
	Rellenos	2.441	38.20	1808.1					
98720.000	SCemento-1	1.604	32.02	4226.9	AC32 BaseG	0.636	13.54	1622.1	
	ZA	0.830	18.40	1053.2	SCemento-2	0.472	9.43	575.7	
	AC22 bin	0.907	19.09	1327.8	BBTM 11B	0.436	8.73	562.8	
	Rellenos	1.369	38.10	1846.2					
98740.000	SCemento-1	1.598	32.02	4258.9	AC32 BaseG	0.559	11.94	1634.0	
	ZA	0.819	16.49	1069.7	SCemento-2	0.472	9.44	585.1	
	AC22 bin	0.763	16.70	1344.5	BBTM 11B	0.436	8.72	571.5	
	Rellenos	1.329	26.97	1873.2					

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 8
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
98760.000	SCemento-1	1.594		31.92	4290.8	AC32 BaseG	0.556		11.15	1645.2
	ZA	1.002		18.21	1087.9	SCemento-2	0.472		9.44	594.6
	AC22 bin	0.524		12.87	1357.4	BBTM 11B	0.435		8.72	580.2
	Rellenos	1.633		29.61	1902.8					
98780.000	SCemento-1	1.588		31.82	4322.7	AC32 BaseG	0.554		11.10	1656.3
	ZA	1.004		20.06	1108.0	SCemento-2	0.472		9.44	604.0
	AC22 bin	0.659		11.83	1369.2	BBTM 11B	0.436		8.72	589.0
	Rellenos	1.706		33.39	1936.2					
98800.000	SCemento-1	1.589		31.76	4354.4	AC32 BaseG	0.557		11.11	1667.4
	ZA	1.011		20.14	1128.1	SCemento-2	0.472		9.44	613.4
	AC22 bin	0.682		13.41	1382.6	BBTM 11B	0.436		8.72	597.7
	Rellenos	2.300		40.06	1976.2					
98820.000	SCemento-1	1.867		34.55	4389.0	AC32 BaseG	0.665		12.22	1679.6
	ZA	1.010		20.21	1148.3	SCemento-2	0.471		9.43	622.9
	AC22 bin	0.715		13.97	1396.6	BBTM 11B	0.435		8.71	606.4
	Rellenos	2.301		46.01	2022.2					
98840.000	SCemento-1	2.187		40.54	4429.5	AC32 BaseG	0.793		14.58	1694.2
	ZA	1.010		20.21	1168.6	SCemento-2	0.472		9.44	632.3
	AC22 bin	0.773		14.87	1411.5	BBTM 11B	0.436		8.72	615.1
	Rellenos	2.299		46.00	2068.3					
98860.000	SCemento-1	2.213		44.00	4473.5	AC32 BaseG	0.805		15.98	1710.2
	ZA	1.010		20.20	1188.8	SCemento-2	0.472		9.44	641.7
	AC22 bin	0.813		15.86	1427.3	BBTM 11B	0.436		8.73	623.8
	Rellenos	2.298		45.98	2114.2					
98880.000	SCemento-1	2.271		44.83	4518.3	AC32 BaseG	0.850		16.55	1726.7
	ZA	1.010		20.20	1209.0	SCemento-2	0.471		9.43	651.2
	AC22 bin	0.860		16.74	1444.1	BBTM 11B	0.435		8.72	632.6
	Rellenos	2.297		45.96	2160.2					
98900.000	SCemento-1	2.477		47.48	4565.8	AC32 BaseG	0.936		17.85	1744.6
	ZA	1.010		20.20	1229.2	SCemento-2	0.472		9.43	660.6
	AC22 bin	0.900		17.60	1461.7	BBTM 11B	0.436		8.72	641.3
	Rellenos	2.296		45.93	2206.1					
98920.000	SCemento-1	2.690		51.67	4617.5	AC32 BaseG	1.003		19.39	1763.9
	ZA	1.010		20.20	1249.4	SCemento-2	0.472		9.44	670.0
	AC22 bin	0.918		18.18	1479.9	BBTM 11B	0.437		8.74	650.0
	Rellenos	1.923		42.19	2248.3					

Istram 18.05.05.29 17/07/18 18:00:42 459

pagina 9

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
98940.000	SCemento-1	2.578		52.68	4670.2	AC32 BaseG	0.952	19.55	1783.5
	ZA	0.855		18.65	1268.0	SCemento-2	0.472	9.44	679.5
	AC22 bin	0.883		18.01	1497.9	BBTM 11B	0.435	8.73	658.7
	Rellenos	1.392		33.15	2281.5				
98960.000	SCemento-1	2.244		48.22	4718.4	AC32 BaseG	0.817	17.69	1801.2
	ZA	0.868		17.23	1285.2	SCemento-2	0.472	9.43	688.9
	AC22 bin	0.785		16.67	1514.5	BBTM 11B	0.436	8.71	667.5
	Rellenos	1.367		27.59	2309.0				
98980.000	SCemento-1	0.925		31.69	4750.1	AC32 BaseG	0.289	11.06	1812.2
	ZA	0.868		17.36	1302.6	SCemento-2	0.472	9.43	698.3
	AC22 bin	0.388		11.73	1526.3	BBTM 11B	0.437	8.73	676.2
	Rellenos	1.366		27.33	2336.4				
99000.000	SCemento-1	0.923		18.47	4768.6	AC32 BaseG	0.288	5.77	1818.0
	ZA	0.868		17.36	1319.9	SCemento-2	0.472	9.43	707.8
	AC22 bin	0.354		7.42	1533.7	BBTM 11B	0.436	8.73	684.9
	Rellenos	1.364		27.30	2363.7				
99020.000	SCemento-1	1.792		27.15	4795.7	AC32 BaseG	0.636	9.24	1827.2
	ZA	0.868		17.36	1337.3	SCemento-2	0.471	9.43	717.2
	AC22 bin	0.582		9.36	1543.1	BBTM 11B	0.435	8.72	693.6
	Rellenos	1.363		27.28	2391.0				
99040.000	SCemento-1	2.644		44.36	4840.1	AC32 BaseG	0.977	16.13	1843.4
	ZA	0.868		17.35	1354.7	SCemento-2	0.472	9.44	726.6
	AC22 bin	0.816		13.99	1557.0	BBTM 11B	0.436	8.72	702.3
	Rellenos	1.363		27.26	2418.2				
99060.000	SCemento-1	2.118		47.63	4887.7	AC32 BaseG	0.768	17.45	1860.8
	ZA	0.868		17.35	1372.0	SCemento-2	0.472	9.44	736.1
	AC22 bin	0.671		14.87	1571.9	BBTM 11B	0.541	9.77	712.1
	Rellenos	1.362		27.25	2445.5				
99080.000	SCemento-1	1.596		37.14	4924.8	AC32 BaseG	0.556	13.24	1874.1
	ZA	0.868		17.36	1389.4	SCemento-2	0.472	9.43	745.5
	AC22 bin	0.523		11.93	1583.8	BBTM 11B	0.542	10.82	722.9
	Rellenos	1.361		27.23	2472.7				
99100.000	SCemento-1	1.599		31.94	4956.8	AC32 BaseG	0.557	11.14	1885.2
	ZA	0.868		17.36	1406.7	SCemento-2	0.472	9.43	755.0
	AC22 bin	0.825		13.48	1597.3	BBTM 11B	0.543	10.85	733.8
	Rellenos	1.361		27.22	2499.9				

Istram 18.05.05.29 17/07/18 18:00:42 459

pagina 10

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
99120.000	SCemento-1	1.650		32.49	4989.3	AC32 BaseG	0.578	11.36	1896.6
	ZA	0.868		17.36	1424.1	SCemento-2	0.472	9.43	764.4
	AC22 bin	0.906		17.31	1614.6	BBTM 11B	0.543	10.86	744.6
	Rellenos	1.360		27.21	2527.1				
99140.000	SCemento-1	1.790		34.40	5023.7	AC32 BaseG	0.643	12.21	1908.8
	ZA	0.868		17.36	1441.4	SCemento-2	0.472	9.44	773.8
	AC22 bin	0.981		18.87	1633.5	BBTM 11B	0.540	10.83	755.5
	Rellenos	1.359		27.19	2554.3				
99160.000	SCemento-1	2.043		38.33	5062.0	AC32 BaseG	0.753	13.96	1922.7
	ZA	0.868		17.36	1458.8	SCemento-2	0.471	9.44	783.3
	AC22 bin	1.184		21.65	1655.1	BBTM 11B	0.541	10.82	766.3
	Rellenos	1.358		27.17	2581.5				
99180.000	SCemento-1	2.305		43.48	5105.5	AC32 BaseG	0.938	16.92	1939.7
	ZA	0.868		17.36	1476.2	SCemento-2	0.472	9.43	792.7
	AC22 bin	1.151		23.35	1678.5	BBTM 11B	0.541	10.82	777.1
	Rellenos	1.358		27.16	2608.6				
99200.000	SCemento-1	2.412		47.17	5152.7	AC32 BaseG	0.919	18.58	1958.2
	ZA	0.868		17.36	1493.5	SCemento-2	0.472	9.44	802.1
	AC22 bin	1.100		22.50	1701.0	BBTM 11B	0.537	10.78	787.9
	Rellenos	1.358		27.15	2635.8				
99220.000	SCemento-1	2.290		47.02	5199.7	AC32 BaseG	0.835	17.55	1975.8
	ZA	0.868		17.36	1510.9	SCemento-2	0.472	9.44	811.6
	AC22 bin	0.924		20.24	1721.2	BBTM 11B	0.520	10.58	798.5
	Rellenos	1.360		27.17	2663.0				
99240.000	SCemento-1	3.203		54.93	5254.6	AC32 BaseG	1.199	20.35	1996.1
	ZA	0.868		17.36	1528.2	SCemento-2	0.472	9.44	821.0
	AC22 bin	0.972		18.96	1740.2	BBTM 11B	0.505	10.25	808.7
	Rellenos	1.362		27.22	2690.2				
99260.000	SCemento-1	3.858		70.61	5325.2	AC32 BaseG	1.462	26.61	2022.7
	ZA	0.868		17.36	1545.6	SCemento-2	0.473	9.45	830.5
	AC22 bin	1.155		21.27	1761.5	BBTM 11B	0.489	9.94	818.7
	Rellenos	1.366		27.28	2717.5				
99280.000	SCemento-1	3.728		75.86	5401.1	AC32 BaseG	1.410	28.72	2051.5
	ZA	0.868		17.36	1562.9	SCemento-2	0.472	9.44	839.9
	AC22 bin	1.120		22.75	1784.2	BBTM 11B	0.473	9.62	828.3
	Rellenos	1.372		27.38	2744.8				

Istram 18.05.05.29 17/07/18 18:00:42 459

pagina 11

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
99300.000	SCemento-1	3.598		73.26	5474.3	AC32 BaseG	1.358	27.68	2079.1
	ZA	0.868		17.35	1580.3	SCemento-2	0.472	9.44	849.3
	AC22 bin	1.083		22.03	1806.3	BBTM 11B	0.458	9.31	837.6
	Rellenos	1.379		27.51	2772.3				
99320.000	SCemento-1	3.469		70.67	5545.0	AC32 BaseG	1.306	26.64	2105.8
	ZA	0.868		17.35	1597.7	SCemento-2	0.472	9.44	858.8
	AC22 bin	1.046		21.29	1827.5	BBTM 11B	0.443	9.01	846.6
	Rellenos	1.387		27.65	2800.0				
99340.000	SCemento-1	3.414		68.83	5613.8	AC32 BaseG	1.284	25.90	2131.7
	ZA	0.868		17.36	1615.0	SCemento-2	0.471	9.44	868.2
	AC22 bin	1.032		20.78	1848.3	BBTM 11B	0.436	8.79	855.4
	Rellenos	1.394		27.81	2827.8				
99360.000	SCemento-1	3.414		68.28	5682.1	AC32 BaseG	1.282	25.66	2157.3
	ZA	0.858		17.26	1632.3	SCemento-2	0.472	9.43	877.6
	AC22 bin	1.033		20.64	1869.0	BBTM 11B	0.435	8.71	864.1
	Rellenos	1.400		27.94	2855.7				
99380.000	SCemento-1	3.414		68.28	5750.4	AC32 BaseG	1.283	25.65	2183.0
	ZA	0.868		17.26	1649.5	SCemento-2	0.471	9.43	887.1
	AC22 bin	1.033		20.66	1889.6	BBTM 11B	0.435	8.71	872.8
	Rellenos	1.405		28.05	2883.8				
99400.000	SCemento-1	1.905		53.19	5803.6	AC32 BaseG	0.680	19.63	2202.6
	ZA	0.868		17.36	1666.9	SCemento-2	0.472	9.43	896.5
	AC22 bin	0.694		17.27	1906.9	BBTM 11B	0.437	8.72	881.5
	Rellenos	1.407		28.12	2911.9				
99420.000	SCemento-1	1.671		35.75	5839.3	AC32 BaseG	0.642	13.22	2215.8
	ZA	0.868		17.36	1684.2	SCemento-2	0.472	9.43	905.9
	AC22 bin	0.783		14.77	1921.7	BBTM 11B	0.435	8.72	890.3
	Rellenos	1.410		28.17	2940.1				
99440.000	SCemento-1	2.515		41.86	5881.2	AC32 BaseG	0.925	15.67	2231.5
	ZA	0.868		17.36	1701.6	SCemento-2	0.472	9.44	915.4
	AC22 bin	0.864		16.47	1938.1	BBTM 11B	0.436	8.71	899.0
	Rellenos	1.410		28.20	2968.3				
99460.000	SCemento-1	2.514		50.29	5931.5	AC32 BaseG	0.936	18.61	2250.1
	ZA	0.868		17.36	1719.0	SCemento-2	0.471	9.43	924.8
	AC22 bin	0.968		18.32	1956.5	BBTM 11B	0.435	8.71	907.7
	Rellenos	1.410		28.20	2996.5				

Istram 18.05.05.29 17/07/18 18:00:42 459

pagina 12

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
99480.000	SCemento-1	2.397		49.10	5980.6			AC32 BaseG	1.205		21.42		2271.5	
	ZA	0.868		17.36	1736.3			SCemento-2	0.472		9.44		934.3	
	AC22 bin	1.031		19.99	1976.4			BBTM 11B	0.435		8.71		916.4	
	Rellenos	1.408		28.18	3024.7									
99500.000	SCemento-1	3.414		58.10	6038.7			AC32 BaseG	1.283		24.89		2296.4	
	ZA	0.868		17.35	1753.7			SCemento-2	0.472		9.45		943.7	
	AC22 bin	1.031		20.62	1997.1			BBTM 11B	0.436		8.72		925.1	
	Rellenos	1.405		28.13	3052.8									
99520.000	SCemento-1	3.414		68.28	6107.0			AC32 BaseG	1.284		25.67		2322.1	
	ZA	0.868		17.36	1771.0			SCemento-2	0.471		9.44		953.1	
	AC22 bin	1.032		20.63	2017.7			BBTM 11B	0.436		8.72		933.8	
	Rellenos	1.401		28.06	3080.9									
99540.000	SCemento-1	3.413		68.27	6175.2			AC32 BaseG	1.284		25.68		2347.8	
	ZA	0.868		17.36	1788.4			SCemento-2	0.472		9.43		962.6	
	AC22 bin	1.031		20.63	2038.3			BBTM 11B	0.436		8.72		942.6	
	Rellenos	1.396		27.97	3108.8									
99560.000	SCemento-1	3.414		68.27	6243.5			AC32 BaseG	1.284		25.68		2373.4	
	ZA	0.868		17.36	1805.7			SCemento-2	0.472		9.44		972.0	
	AC22 bin	1.031		20.62	2058.9			BBTM 11B	0.435		8.72		951.3	
	Rellenos	1.388		27.84	3136.7									
99580.000	SCemento-1	3.414		68.28	6311.8			AC32 BaseG	1.282		25.66		2399.1	
	ZA	0.868		17.36	1823.1			SCemento-2	0.472		9.44		981.5	
	AC22 bin	1.031		20.62	2079.5			BBTM 11B	0.438		8.73		960.0	
	Rellenos	1.381		27.69	3164.4									
99600.000	SCemento-1	3.414		68.28	6380.1			AC32 BaseG	1.284		25.66		2424.8	
	ZA	0.868		17.36	1840.4			SCemento-2	0.471		9.43		990.9	
	AC22 bin	1.032		20.63	2100.2			BBTM 11B	0.436		8.73		968.7	
	Rellenos	1.370		27.51	3191.9									
99620.000	SCemento-1	3.414		68.28	6448.4			AC32 BaseG	1.284		25.67		2450.4	
	ZA	0.868		17.35	1857.8			SCemento-2	0.472		9.44		1000.3	
	AC22 bin	1.031		20.62	2120.8			BBTM 11B	0.436		8.72		977.5	
	Rellenos	1.358		27.28	3219.1									
99640.000	SCemento-1	3.414		68.28	6516.6			AC32 BaseG	1.284		25.67		2476.1	
	ZA	0.868		17.35	1875.2			SCemento-2	0.471		9.44		1009.8	
	AC22 bin	1.032		20.63	2141.4			BBTM 11B	0.435		8.72		986.2	
	Rellenos	1.344		27.02	3246.2									

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99660.000	SCemento-1	3.414	68.28	6584.9	AC32 BaseG	1.282	25.66	2501.8		
	ZA	0.868	17.36	1892.5	SCemento-2	0.472	9.43	1019.2		
	AC22 bin	1.031	20.63	2162.1	BBTM 11B	0.438	8.73	994.9		
	Rellenos	1.330	26.74	3272.9						
99680.000	SCemento-1	3.414	68.27	6653.2	AC32 BaseG	1.283	25.65	2527.4		
	ZA	0.868	17.36	1909.9	SCemento-2	0.472	9.44	1028.6		
	AC22 bin	1.031	20.62	2182.7	BBTM 11B	0.436	8.74	1003.6		
	Rellenos	1.316	26.46	3299.4						
99700.000	SCemento-1	3.414	68.28	6721.5	AC32 BaseG	1.284	25.67	2553.1		
	ZA	0.868	17.36	1927.2	SCemento-2	0.471	9.44	1038.1		
	AC22 bin	1.032	20.63	2203.3	BBTM 11B	0.435	8.72	1012.4		
	Rellenos	1.305	26.22	3325.6						
99720.000	SCemento-1	3.414	68.28	6789.7	AC32 BaseG	1.283	25.67	2578.8		
	ZA	0.868	17.36	1944.6	SCemento-2	0.472	9.43	1047.5		
	AC22 bin	1.031	20.63	2223.9	BBTM 11B	0.436	8.72	1021.1		
	Rellenos	1.295	26.00	3351.6						
99740.000	SCemento-1	3.414	68.27	6858.0	AC32 BaseG	1.284	25.67	2604.4		
	ZA	0.868	17.36	1961.9	SCemento-2	0.472	9.44	1056.9		
	AC22 bin	1.030	20.62	2244.6	BBTM 11B	0.436	8.73	1029.8		
	Rellenos	1.285	25.80	3377.4						
99760.000	SCemento-1	2.335	57.48	6915.5	AC32 BaseG	1.119	24.03	2628.5		
	ZA	0.868	17.36	1979.3	SCemento-2	0.471	9.44	1066.4		
	AC22 bin	1.033	20.63	2265.2	BBTM 11B	0.435	8.72	1038.5		
	Rellenos	1.278	25.64	3403.0						
99780.000	SCemento-1	1.605	39.40	6954.9	AC32 BaseG	0.653	17.72	2646.2		
	ZA	0.868	17.36	1996.7	SCemento-2	0.472	9.43	1075.8		
	AC22 bin	0.929	19.62	2284.8	BBTM 11B	0.436	8.72	1047.2		
	Rellenos	1.272	25.51	3428.5						
99800.000	SCemento-1	1.833	34.38	6989.3	AC32 BaseG	1.004	16.57	2662.8		
	ZA	0.868	17.35	2014.0	SCemento-2	0.471	9.43	1085.2		
	AC22 bin	1.031	19.61	2304.4	BBTM 11B	0.436	8.73	1056.0		
	Rellenos	1.268	25.40	3453.9						
99820.000	SCemento-1	3.414	52.47	7041.7	AC32 BaseG	1.282	22.86	2685.6		
	ZA	0.868	17.35	2031.4	SCemento-2	0.472	9.43	1094.7		
	AC22 bin	1.032	20.63	2325.0	BBTM 11B	0.437	8.73	1064.7		
	Rellenos	1.266	25.34	3479.3						

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 14

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
99840.000	SCemento-1	3.414	68.28	7110.0	AC32 BaseG	1.284	25.66	2711.3		
	ZA	0.865	17.33	2048.7	SCemento-2	0.472	9.44	1104.1		
	AC22 bin	1.031	20.63	2345.7	BBTM 11B	0.436	8.73	1073.4		
	Rellenos	1.265	25.30	3504.6						
99860.000	SCemento-1	3.414	68.28	7178.3	AC32 BaseG	1.284	25.67	2737.0		
	ZA	0.868	17.33	2066.0	SCemento-2	0.471	9.44	1113.6		
	AC22 bin	1.032	20.62	2366.3	BBTM 11B	0.436	8.72	1082.1		
	Rellenos	1.266	25.31	3529.9						
99880.000	SCemento-1	3.414	68.28	7246.6	AC32 BaseG	1.282	25.66	2762.6		
	ZA	0.868	17.36	2083.4	SCemento-2	0.472	9.43	1123.0		
	AC22 bin	1.031	20.63	2386.9	BBTM 11B	0.438	8.73	1090.9		
	Rellenos	1.269	25.35	3555.2						
99900.000	SCemento-1	3.414	68.28	7314.8	AC32 BaseG	1.283	25.65	2788.3		
	ZA	0.868	17.36	2100.7	SCemento-2	0.472	9.44	1132.4		
	AC22 bin	1.031	20.62	2407.5	BBTM 11B	0.436	8.74	1099.6		
	Rellenos	1.273	25.42	3580.7						
99920.000	SCemento-1	3.414	68.28	7383.1	AC32 BaseG	1.284	25.67	2813.9		
	ZA	0.868	17.36	2118.1	SCemento-2	0.471	9.44	1141.9		
	AC22 bin	1.032	20.63	2428.2	BBTM 11B	0.435	8.72	1108.3		
	Rellenos	1.280	25.53	3606.2						
99940.000	SCemento-1	3.414	68.28	7451.4	AC32 BaseG	1.283	25.67	2839.6		
	ZA	0.868	17.36	2135.5	SCemento-2	0.472	9.43	1151.3		
	AC22 bin	1.031	20.63	2448.8	BBTM 11B	0.436	8.72	1117.1		
	Rellenos	1.288	25.68	3631.9						
99960.000	SCemento-1	3.414	68.27	7519.7	AC32 BaseG	1.283	25.67	2865.3		
	ZA	0.868	17.36	2152.8	SCemento-2	0.472	9.44	1160.7		
	AC22 bin	1.031	20.62	2469.4	BBTM 11B	0.436	8.73	1125.8		
	Rellenos	1.295	25.83	3657.7						
99980.000	SCemento-1	3.414	68.28	7588.0	AC32 BaseG	1.283	25.67	2891.0		
	ZA	0.868	17.36	2170.2	SCemento-2	0.471	9.44	1170.2		
	AC22 bin	1.033	20.64	2490.1	BBTM 11B	0.435	8.72	1134.5		
	Rellenos	1.304	25.99	3683.7						
100000.000	SCemento-1	3.414	68.28	7656.2	AC32 BaseG	1.283	25.67	2916.6		
	ZA	0.868	17.35	2187.5	SCemento-2	0.472	9.43	1179.6		
	AC22 bin	1.031	20.64	2510.7	BBTM 11B	0.436	8.72	1143.2		
	Rellenos	1.312	26.16	3709.8						

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 15

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100020.000	SCemento-1	3.414	68.28	7724.5	AC32 BaseG	1.283	25.67	2942.3		
	ZA	0.868	17.35	2204.9	SCemento-2	0.472	9.44	1189.1		

	AC22 bin	1.030	20.62	2531.3	BBTM 11B	0.436	8.73	1151.9		
	Rellenos	1.320	26.32	3736.2						
100040.000	SCemento-1	3.414	68.28	7792.8	AC32 BaseG	1.283	25.66	2967.9		
	ZA	0.868	17.36	2222.2	SCemento-2	0.472	9.44	1198.5		
	AC22 bin	1.033	20.63	2552.0	BBTM 11B	0.435	8.72	1160.7		
	Rellenos	1.328	26.48	3762.6						
100060.000	SCemento-1	3.414	68.28	7861.1	AC32 BaseG	1.284	25.66	2993.6		
	ZA	0.868	17.36	2239.6	SCemento-2	0.472	9.44	1207.9		
	AC22 bin	1.031	20.63	2572.6	BBTM 11B	0.436	8.72	1169.4		
	Rellenos	1.335	26.63	3789.3						
100080.000	SCemento-1	3.414	68.28	7929.3	AC32 BaseG	1.284	25.67	3019.3		
	ZA	0.868	17.36	2257.0	SCemento-2	0.471	9.44	1217.4		
	AC22 bin	1.032	20.62	2593.2	BBTM 11B	0.436	8.72	1178.1		
	Rellenos	1.343	26.78	3816.1						
100100.000	SCemento-1	3.414	68.28	7997.6	AC32 BaseG	1.282	25.66	3044.9		
	ZA	0.868	17.36	2274.3	SCemento-2	0.472	9.43	1226.8		
	AC22 bin	1.032	20.64	2613.8	BBTM 11B	0.437	8.73	1186.8		
	Rellenos	1.350	26.93	3843.0						
100120.000	SCemento-1	3.414	68.28	8065.9	AC32 BaseG	1.284	25.66	3070.6		
	ZA	0.868	17.36	2291.7	SCemento-2	0.472	9.44	1236.2		
	AC22 bin	1.031	20.63	2634.5	BBTM 11B	0.436	8.73	1195.6		
	Rellenos	1.357	27.08	3870.1						
100140.000	SCemento-1	3.414	68.28	8134.2	AC32 BaseG	1.284	25.67	3096.3		
	ZA	0.868	17.35	2309.0	SCemento-2	0.471	9.44	1245.7		
	AC22 bin	1.032	20.63	2655.1	BBTM 11B	0.435	8.72	1204.3		
	Rellenos	1.365	27.22	3897.3						
100160.000	SCemento-1	3.414	68.28	8202.5	AC32 BaseG	1.282	25.66	3121.9		
	ZA	0.868	17.36	2326.4	SCemento-2	0.472	9.43	1255.1		
	AC22 bin	1.031	20.63	2675.7	BBTM 11B	0.438	8.73	1213.0		
	Rellenos	1.372	27.36	3924.6						
100180.000	SCemento-1	3.414	68.27	8270.7	AC32 BaseG	1.283	25.65	3147.6		
	ZA	0.868	17.36	2343.7	SCemento-2	0.472	9.44	1264.6		
	AC22 bin	1.031	20.62	2696.3	BBTM 11B	0.436	8.74	1221.7		
	Rellenos	1.378	27.49	3952.1						

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 16

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100200.000	SCemento-1	3.414		68.28	8339.0	AC32 BaseG	1.284		25.67	3173.3
	ZA	0.868		17.36	2361.1	SCemento-2	0.471		9.44	1274.0
	AC22 bin	1.032		20.63	2717.0	BBTM 11B	0.435		8.72	1230.5
	Rellenos	1.385		27.63	3979.8					
100220.000	SCemento-1	3.414		68.28	8407.3	AC32 BaseG	1.283		25.67	3198.9
	ZA	0.868		17.35	2378.5	SCemento-2	0.472		9.43	1283.4
	AC22 bin	1.031		20.63	2737.6	BBTM 11B	0.436		8.72	1239.2
	Rellenos	1.391		27.77	4007.5					
100240.000	SCemento-1	3.414		68.27	8475.6	AC32 BaseG	1.284		25.67	3224.6
	ZA	0.868		17.36	2395.8	SCemento-2	0.472		9.44	1292.9
	AC22 bin	1.030		20.62	2758.2	BBTM 11B	0.436		8.73	1247.9
	Rellenos	1.397		27.89	4035.4					
100260.000	SCemento-1	3.414		68.28	8543.8	AC32 BaseG	1.283		25.67	3250.3
	ZA	0.868		17.36	2413.2	SCemento-2	0.471		9.44	1302.3
	AC22 bin	1.033		20.63	2778.9	BBTM 11B	0.435		8.72	1256.6
	Rellenos	1.404		28.02	4063.4					
100280.000	SCemento-1	3.414		68.28	8612.1	AC32 BaseG	1.283		25.67	3275.9
	ZA	0.868		17.36	2430.5	SCemento-2	0.472		9.43	1311.7
	AC22 bin	1.031		20.64	2799.5	BBTM 11B	0.436		8.72	1265.3
	Rellenos	1.411		28.15	4091.6					
100300.000	SCemento-1	3.414		68.28	8680.4	AC32 BaseG	1.283		25.67	3301.6
	ZA	0.868		17.36	2447.9	SCemento-2	0.472		9.43	1321.2
	AC22 bin	1.031		20.63	2820.1	BBTM 11B	0.436		8.73	1274.1
	Rellenos	1.416		28.27	4119.9					
100320.000	SCemento-1	3.414		68.27	8748.7	AC32 BaseG	1.284		25.67	3327.3
	ZA	0.868		17.36	2465.2	SCemento-2	0.472		9.44	1330.6
	AC22 bin	1.031		20.62	2840.8	BBTM 11B	0.436		8.73	1282.8
	Rellenos	1.425		28.41	4148.3					
100340.000	SCemento-1	3.414		68.28	8816.9	AC32 BaseG	1.283		25.67	3352.9
	ZA	0.868		17.36	2482.6	SCemento-2	0.471		9.44	1340.0
	AC22 bin	1.033		20.64	2861.4	BBTM 11B	0.435		8.72	1291.5
	Rellenos	1.433		28.58	4176.9					
100360.000	SCemento-1	3.414		68.28	8885.2	AC32 BaseG	1.284		25.67	3378.6
	ZA	0.868		17.36	2500.0	SCemento-2	0.471		9.43	1349.5
	AC22 bin	1.032		20.65	2882.0	BBTM 11B	0.435		8.71	1300.2
	Rellenos	1.442		28.75	4205.6					

100420.000	AC22 bin	1.032	20.63	2923.3	BBTM 11B	0.435	8.71	1317.6
	Rellenos	1.457	29.06	4263.6				
	SCemento-1	3.413	68.27	9090.1	AC32 BaseG	1.284	25.68	3455.6
100440.000	ZA	0.868	17.36	2552.0	SCemento-2	0.472	9.43	1377.8
	AC22 bin	1.031	20.63	2943.9	BBTM 11B	0.436	8.72	1326.4
	Rellenos	1.464	29.21	4292.8				
100460.000	SCemento-1	3.414	68.27	9158.3	AC32 BaseG	1.284	25.68	3481.3
	ZA	0.868	17.36	2569.4	SCemento-2	0.471	9.43	1387.2
	AC22 bin	1.032	20.63	2964.6	BBTM 11B	0.436	8.72	1335.1
100480.000	Rellenos	1.472	29.36	4322.1				
	SCemento-1	3.414	68.28	9226.6	AC32 BaseG	1.284	25.67	3507.0
	ZA	0.868	17.36	2586.7	SCemento-2	0.472	9.44	1396.6
100500.000	AC22 bin	1.031	20.62	2985.2	BBTM 11B	0.436	8.72	1343.8
	Rellenos	1.479	29.50	4351.6				
	SCemento-1	3.414	68.27	9294.9	AC32 BaseG	1.284	25.67	3532.7
100520.000	ZA	0.868	17.36	2604.1	SCemento-2	0.472	9.44	1406.1
	AC22 bin	1.032	20.62	3005.8	BBTM 11B	0.436	8.72	1352.5
	Rellenos	1.486	29.64	4381.3				
100540.000	SCemento-1	3.414	68.28	9363.2	AC32 BaseG	1.284	25.68	3558.3
	ZA	0.868	17.36	2621.4	SCemento-2	0.472	9.43	1415.5
	AC22 bin	1.031	20.63	3026.4	BBTM 11B	0.436	8.72	1361.2
100560.000	Rellenos	1.492	29.78	4411.1				
	SCemento-1	3.414	68.28	9431.5	AC32 BaseG	1.283	25.67	3584.0
	ZA	0.868	17.36	2638.8	SCemento-2	0.471	9.43	1425.0
100580.000	AC22 bin	1.033	20.64	3047.1	BBTM 11B	0.435	8.72	1370.0
	Rellenos	1.499	29.91	4441.0				
	SCemento-1	3.414	68.28	9499.7	AC32 BaseG	1.284	25.67	3609.7
100600.000	ZA	0.868	17.36	2656.2	SCemento-2	0.471	9.43	1434.4
	AC22 bin	1.032	20.65	3067.7	BBTM 11B	0.435	8.71	1378.7
	Rellenos	1.505	30.04	4471.0				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 18
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100560.000	SCemento-1	3.414	68.28	9568.0	AC32 BaseG	1.283	25.67	3635.4
	ZA	0.868	17.36	2673.5	SCemento-2	0.472	9.43	1443.8
	AC22 bin	1.031	20.63	3088.4	BBTM 11B	0.436	8.72	1387.4
	Rellenos	1.511	30.16	4501.2				
100580.000	SCemento-1	3.414	68.28	9636.3	AC32 BaseG	1.282	25.66	3661.0
	ZA	0.868	17.36	2690.9	SCemento-2	0.472	9.44	1453.3
	AC22 bin	1.032	20.63	3109.0	BBTM 11B	0.437	8.73	1396.1
	Rellenos	1.517	30.28	4531.4				
100600.000	SCemento-1	3.414	68.28	9704.6	AC32 BaseG	1.284	25.66	3686.7
	ZA	0.868	17.36	2708.2	SCemento-2	0.472	9.44	1462.7
	AC22 bin	1.031	20.63	3129.6	BBTM 11B	0.435	8.72	1404.8
	Rellenos	1.522	30.39	4561.8				
100620.000	SCemento-1	3.414	68.28	9772.9	AC32 BaseG	1.283	25.67	3712.4
	ZA	0.868	17.35	2725.6	SCemento-2	0.472	9.45	1472.1
	AC22 bin	1.031	20.62	3150.2	BBTM 11B	0.436	8.72	1413.6
	Rellenos	1.526	30.48	4592.3				
100640.000	SCemento-1	3.414	68.28	9841.1	AC32 BaseG	1.282	25.65	3738.0
	ZA	0.868	17.36	2742.9	SCemento-2	0.472	9.44	1481.6
	AC22 bin	1.031	20.62	3170.9	BBTM 11B	0.438	8.74	1422.3
	Rellenos	1.530	30.57	4622.9				
100660.000	SCemento-1	3.414	68.28	9909.4	AC32 BaseG	1.284	25.66	3763.7
	ZA	0.868	17.36	2760.3	SCemento-2	0.471	9.44	1491.0
	AC22 bin	1.032	20.63	3191.5	BBTM 11B	0.436	8.73	1431.0
	Rellenos	1.533	30.63	4653.5				
100680.000	SCemento-1	3.414	68.27	9977.7	AC32 BaseG	1.284	25.67	3789.3
	ZA	0.868	17.36	2777.7	SCemento-2	0.472	9.44	1500.5
	AC22 bin	1.031	20.62	3212.1	BBTM 11B	0.436	8.72	1439.8
	Rellenos	1.291	28.25	4681.8				
100700.000	SCemento-1	3.414	68.28	10046.0	AC32 BaseG	1.283	25.66	3815.0
	ZA	0.868	17.36	2795.0	SCemento-2	0.472	9.44	1509.9
	AC22 bin	1.033	20.63	3232.7	BBTM 11B	0.435	8.72	1448.5
	Rellenos	1.235	25.27	4707.0				
100720.000	SCemento-1	3.414	68.28	10114.2	AC32 BaseG	1.283	25.66	3840.7
	ZA	0.868	17.36	2812.4	SCemento-2	0.472	9.44	1519.3
	AC22 bin	1.030	20.63	3253.4	BBTM 11B	0.436	8.72	1457.2
	Rellenos	1.188	24.23	4731.3				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 19
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100740.000	SCemento-1	3.414	68.28	10182.5	AC32 BaseG	1.283	25.67	3866.3
	ZA	0.868	17.36	2829.7	SCemento-2	0.472	9.44	1528.8
	AC22 bin	1.031	20.62	3274.0	BBTM 11B	0.436	8.73	1465.9
	Rellenos	1.538	27.26	4758.5				
100760.000	SCemento-1	3.414	68.28	10250.8	AC32 BaseG	1.283	25.67	3892.0
	ZA	0.826	16.94	2846.7	SCemento-2	0.471	9.43	1538.2
	AC22 bin	1.033	20.64	3294.6	BBTM 11B	0.435	8.72	1474.6
	Rellenos	1.530	30.67	4789.2				
100780.000	SCemento-1	2.286	57.00	10307.8	AC32 BaseG	1.049	23.32	3915.3
	ZA	1.003	18.29	2865.0	SCemento-2	0.472	9.44	1547.6

100800.000	AC22 bin	1.031	20.64	3315.3	BBTM 11B	0.436	8.72	1483.4
	Rellenos	1.798	33.28	4822.5				
	SCemento-1	1.891	41.77	10349.6	AC32 BaseG	0.766	18.15	3933.5
100820.000	ZA	1.004	20.07	2885.0	SCemento-2	0.472	9.44	1557.1
	AC22 bin	0.854	18.85	3334.1	BBTM 11B	0.436	8.73	1492.1
	Rellenos	1.872	36.70	4859.2				
100840.000	SCemento-1	1.882	37.73	10387.3	AC32 BaseG	0.751	15.17	3948.6
	ZA	1.007	20.11	2905.1	SCemento-2	0.471	9.43	1566.5
	AC22 bin	0.758	16.12	3350.2	BBTM 11B	0.435	8.72	1500.8
100860.000	Rellenos	1.905	37.77	4896.9				
	SCemento-1	2.336	42.18	10429.5	AC32 BaseG	0.942	16.93	3965.6
	ZA	1.010	20.17	2925.3	SCemento-2	0.472	9.44	1575.9
100880.000	AC22 bin	0.900	16.58	3366.8	BBTM 11B	0.436	8.72	1509.5
	Rellenos	2.139	40.44	4937.4				
	SCemento-1	2.778	51.14	10480.6	AC32 BaseG	1.029	19.71	3985.3
100900.000	ZA	1.004	20.14	2945.5	SCemento-2	0.472	9.44	1585.4
	AC22 bin	0.909	18.09	3384.9	BBTM 11B	0.437	8.74	1518.3
	Rellenos	1.825	39.65	4977.0				
100920.000	SCemento-1	2.041	48.19	10528.8	AC32 BaseG	0.811	18.40	4003.7
	ZA	0.867	18.71	2964.2	SCemento-2	0.471	9.43	1594.8
	AC22 bin	0.851	17.59	3402.5	BBTM 11B	0.436	8.73	1527.0
100940.000	Rellenos	1.540	33.66	5010.7				
	SCemento-1	1.986	40.27	10569.1	AC32 BaseG	0.784	15.95	4019.6
	ZA	0.867	17.34	2981.5	SCemento-2	0.469	9.39	1604.2
100960.000	AC22 bin	0.877	17.27	3419.8	BBTM 11B	0.436	8.72	1535.7
	Rellenos	1.547	30.88	5041.6				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 20
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100920.000	SCemento-1	2.048	40.34	10609.4	AC32 BaseG	0.853	16.37	4036.0
	ZA	0.866	17.33	2998.8	SCemento-2	0.467	9.35	1613.6
	AC22 bin	0.970	18.47	3438.2	BBTM 11B	0.436	8.72	1544.4
	Rellenos	1.554	31.01	5072.6				
100940.000	SCemento-1	2.091	41.40	10650.8	AC32 BaseG	0.928	17.81	4053.8
	ZA	0.865	17.31	3016.1	SCemento-2	0.465	9.32	1622.9
	AC22 bin	0.965	19.36	3457.6	BBTM 11B	0.436	8.72	1553.1
	Rellenos	1.559	31.13	5103.7				
100960.000	SCemento-1	2.126	42.17	10693.0	AC32 BaseG	0.915	18.43	4072.2
	ZA	0.865	17.30	3033.4	SCemento-2	0.463	9.28	1632.2
	AC22 bin	0.970	19.35	3477.0	BBTM 11B	0.436	8.72	1561.9
	Rellenos	1.565	31.24	5134.9				
100980.000	SCemento-1	2.212	43.37	10736.4	AC32 BaseG	0.963	18.77	4091.0
	ZA	0.864	17.28	3050.7	SCemento-2	0.461	9.24	1641.4
	AC22 bin	0.999	19.69	3496.6	BBTM 11B	0.437	8.73	1570.6
	Rellenos	1.571	31.36	5166.3				
101000.000	SCemento-1	2.271	44.83	10781.2	AC32 BaseG	0.995	19.58	4110.6
	ZA	0.863	17.27	3068.0	SCemento-2	0.460	9.21	1650.6
	AC22 bin	1.030	20.29	3516.9	BBTM 11B	0.438	8.75	1579.3
	Rellenos	1.550	31.22	5197.5				
101020.000	SCemento-1	3.426	56.98	10838.2	AC32 BaseG	1.284	22.80	4133.4
	ZA	0.863	17.26	3085.3	SCemento-2	0.458	9.17	1659.8
	AC22 bin	1.032	20.62	3537.5	BBTM 11B	0.436	8.74	1588.1
	Rellenos	1.523	30.73	5228.3				
101040.000	SCemento-1	3.426	68.52	10906.7	AC32 BaseG	1.283	25.68	4159.1
	ZA	0.863	17.26	3102.5	SCemento-2	0.456	9.13	1668.9
	AC22 bin	1.032	20.63	3558.2	BBTM 11B	0.437	8.73	1596.8
	Rellenos	1.498	30.21	5258.5				
101060.000	SCemento-1	3.425	68.51	10975.2	AC32 BaseG	1.285	25.69	4184.8
	ZA	0.862	17.25	3119.8	SCemento-2	0.454	9.10	1678.0
	AC22 bin	1.031	20.62	3578.8	BBTM 11B	0.436	8.73	1605.5
	Rellenos	1.222	27.20	5285.7				
101080.000	SCemento-1	3.426	68.51	11043.7	AC32 BaseG	1.287	25.72	4210.5
	ZA	0.860	17.23	3137.0	SCemento-2	0.454	9.08	1687.1
	AC22 bin	1.032	20.62	3599.4	BBTM 11B	0.436	8.72	1614.2
	Rellenos	1.182	24.04	5309.7				

101180.000	AC22 bin	1.031	20.62	3681.9	BBTM 11B	0.437	8.73	1649.1
	Rellenos	1.629	32.58	5416.2				
	SCemento-1	3.425	68.50	11386.2	AC32 BaseG	1.287	25.72	4339.1
	ZA	0.860	17.23	3222.8	SCemento-2	0.454	9.06	1732.4
101200.000	AC22 bin	1.032	20.63	3702.6	BBTM 11B	0.435	8.72	1657.9
	Rellenos	1.629	32.58	5448.8				
	SCemento-1	3.425	68.50	11454.7	AC32 BaseG	1.286	25.73	4364.8
	ZA	0.860	17.21	3240.1	SCemento-2	0.454	9.08	1741.5
101220.000	AC22 bin	1.032	20.63	3723.2	BBTM 11B	0.436	8.72	1666.6
	Rellenos	1.629	32.58	5481.4				
	SCemento-1	3.425	68.50	11523.2	AC32 BaseG	1.288	25.74	4390.6
	ZA	1.008	18.69	3258.7	SCemento-2	0.452	9.06	1750.6
101240.000	AC22 bin	1.031	20.63	3743.8	BBTM 11B	0.436	8.73	1675.3
	Rellenos	2.504	41.33	5522.7				
	SCemento-1	3.425	68.50	11591.7	AC32 BaseG	1.287	25.75	4416.3
	ZA	1.009	20.17	3278.9	SCemento-2	0.452	9.04	1759.6
101260.000	AC22 bin	1.031	20.62	3764.4	BBTM 11B	0.436	8.73	1684.0
	Rellenos	2.505	50.09	5572.8				
	SCemento-1	3.425	68.50	11660.2	AC32 BaseG	1.286	25.74	4442.1
	ZA	1.009	20.18	3299.1	SCemento-2	0.452	9.04	1768.7
	AC22 bin	1.031	20.62	3785.1	BBTM 11B	0.437	8.73	1692.8
	Rellenos	2.504	50.09	5622.9				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 22

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
101280.000	SCemento-1	3.425	68.50	11728.7	AC32 BaseG	1.288	25.74	4467.8
	ZA	1.009	20.17	3319.3	SCemento-2	0.452	9.04	1777.7
	AC22 bin	1.032	20.63	3805.7	BBTM 11B	0.435	8.72	1701.5
	Rellenos	2.504	50.08	5672.9				
101300.000	SCemento-1	3.425	68.50	11797.2	AC32 BaseG	1.287	25.75	4493.6
	ZA	1.009	20.17	3339.4	SCemento-2	0.452	9.04	1786.8
	AC22 bin	1.032	20.63	3826.3	BBTM 11B	0.436	8.72	1710.2
	Rellenos	2.505	50.09	5723.0				
101320.000	SCemento-1	3.425	68.50	11865.7	AC32 BaseG	1.285	25.72	4519.3
	ZA	1.009	20.17	3359.6	SCemento-2	0.453	9.05	1795.8
	AC22 bin	1.031	20.63	3847.0	BBTM 11B	0.436	8.72	1718.9
	Rellenos	2.514	50.19	5773.2				
101340.000	SCemento-1	3.426	68.51	11934.2	AC32 BaseG	1.285	25.70	4545.0
	ZA	1.009	20.17	3379.8	SCemento-2	0.455	9.08	1804.9
	AC22 bin	1.031	20.62	3867.6	BBTM 11B	0.437	8.73	1727.7
	Rellenos	2.531	50.45	5823.7				
101360.000	SCemento-1	3.427	68.52	12002.8	AC32 BaseG	1.283	25.67	4570.7
	ZA	1.009	20.17	3400.0	SCemento-2	0.457	9.12	1814.0
	AC22 bin	1.031	20.62	3888.2	BBTM 11B	0.437	8.73	1736.4
	Rellenos	2.548	50.79	5874.5				
101380.000	SCemento-1	3.427	68.54	12071.3	AC32 BaseG	1.285	25.68	4596.3
	ZA	1.008	20.17	3420.1	SCemento-2	0.459	9.17	1823.2
	AC22 bin	1.032	20.62	3908.8	BBTM 11B	0.435	8.72	1745.1
	Rellenos	2.563	51.11	5925.6				
101400.000	SCemento-1	3.426	68.53	12139.8	AC32 BaseG	1.285	25.70	4622.0
	ZA	1.008	20.17	3440.3	SCemento-2	0.461	9.20	1832.4
	AC22 bin	1.031	20.63	3929.5	BBTM 11B	0.436	8.71	1753.8
	Rellenos	2.578	51.41	5977.0				
101420.000	SCemento-1	3.425	68.51	12208.3	AC32 BaseG	1.284	25.69	4647.7
	ZA	1.008	20.17	3460.5	SCemento-2	0.463	9.24	1841.6
	AC22 bin	1.031	20.62	3950.1	BBTM 11B	0.436	8.72	1762.5
	Rellenos	2.582	51.60	6028.6				
101440.000	SCemento-1	3.422	68.46	12276.8	AC32 BaseG	1.284	25.68	4673.4
	ZA	1.009	20.17	3480.6	SCemento-2	0.465	9.27	1850.9
	AC22 bin	1.031	20.62	3970.7	BBTM 11B	0.436	8.72	1771.3
	Rellenos	2.583	51.65	6080.2				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 23

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
101460.000	SCemento-1	3.421	68.42	12345.2	AC32 BaseG	1.282	25.66	4699.1
	ZA	1.009	20.18	3500.8	SCemento-2	0.467	9.31	1860.2
	AC22 bin	1.031	20.62	3991.3	BBTM 11B	0.437	8.73	1780.0
	Rellenos	2.586	51.69	6131.9				
101480.000	SCemento-1	3.418	68.39	12413.6	AC32 BaseG	1.284	25.67	4724.7
	ZA	1.010	20.19	3521.0	SCemento-2	0.469	9.35	1869.6
	AC22 bin	1.031	20.62	4011.9	BBTM 11B	0.436	8.73	1788.7
	Rellenos	2.588	51.74	6183.7				
101500.000	SCemento-1	3.414	68.33	12481.9	AC32 BaseG	1.284	25.68	4750.4
	ZA	1.009	20.19	3541.2	SCemento-2	0.471	9.40	1879.0
	AC22 bin	1.031	20.62	4032.6	BBTM 11B	0.436	8.71	1797.4
	Rellenos	2.590	51.78	6235.5				
101520.000	SCemento-1	3.404	68.18	12550.1	AC32 BaseG	1.283	25.67	4776.1
	ZA	1.011	20.21	3561.4	SCemento-2	0.480	9.51	1888.5
	AC22 bin	1.031	20.62	4053.2	BBTM 11B	0.436	8.72	1806.1
	Rellenos	2.599	51.89	6287.3				
101540.000	SCemento-1	3.378	67.82	12617.9	AC32 BaseG	1.282	25.65	4801.7
	ZA	1.015	20.27	3581.7	SCemento-2	0.502	9.83	1898.3

101560.000	AC22 bin	1.031	20.62	4073.8	BBTM 11B	0.436	8.72	1814.9
	Rellenos	2.560	51.59	6338.9				
	SCemento-1	3.363	67.41	12685.4	AC32 BaseG	1.281	25.63	4827.4
	ZA	1.017	20.33	3602.0	SCemento-2	0.517	10.19	1908.5
101580.000	AC22 bin	1.031	20.62	4094.4	BBTM 11B	0.436	8.72	1823.6
	Rellenos	2.532	50.92	6389.8				
	SCemento-1	3.363	67.26	12752.6	AC32 BaseG	1.281	25.62	4853.0
	ZA	1.018	20.35	3622.3	SCemento-2	0.519	10.35	1918.8
101600.000	AC22 bin	1.031	20.62	4115.0	BBTM 11B	0.436	8.72	1832.3
	Rellenos	2.282	48.14	6438.0				
	SCemento-1	3.360	67.23	12819.8	AC32 BaseG	1.280	25.61	4878.6
	ZA	1.018	20.36	3642.7	SCemento-2	0.518	10.37	1929.2
101620.000	AC22 bin	1.031	20.62	4135.7	BBTM 11B	0.437	8.72	1841.0
	Rellenos	2.196	44.77	6482.8				
	SCemento-1	3.360	67.20	12887.0	AC32 BaseG	1.281	25.61	4904.2
	ZA	1.016	20.34	3663.0	SCemento-2	0.519	10.37	1939.6
	AC22 bin	1.032	20.63	4156.3	BBTM 11B	0.435	8.72	1849.7
	Rellenos	2.045	42.41	6525.2				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 24

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
101640.000	SCemento-1	3.359		67.19	12954.2	AC32 BaseG	1.280		25.62 4929.8
	ZA	1.012		20.28	3683.3	SCemento-2	0.520		10.39 1950.0
	AC22 bin	1.031		20.63	4176.9	BBTM 11B	0.436		8.71 1858.5
	Rellenos	1.988		40.33	6565.5				
101660.000	SCemento-1	3.359		67.18	13021.4	AC32 BaseG	1.281		25.62 4955.5
	ZA	1.012		20.23	3703.6	SCemento-2	0.521		10.41 1960.4
	AC22 bin	1.032		20.63	4197.5	BBTM 11B	0.436		8.72 1867.2
	Rellenos	1.937		39.25	6604.7				
101680.000	SCemento-1	3.357		67.16	13088.6	AC32 BaseG	1.281		25.62 4981.1
	ZA	0.870		18.81	3722.4	SCemento-2	0.522		10.43 1970.8
	AC22 bin	1.031		20.62	4218.2	BBTM 11B	0.436		8.72 1875.9
	Rellenos	1.713		36.50	6641.3				
101700.000	SCemento-1	3.480		68.38	13157.0	AC32 BaseG	1.331		26.12 5007.2
	ZA	0.854		17.24	3739.6	SCemento-2	0.522		10.44 1981.2
	AC22 bin	1.067		20.98	4239.1	BBTM 11B	0.451		8.87 1884.8
	Rellenos	1.684		33.97	6675.2				
101720.000	SCemento-1	3.610		70.90	13227.9	AC32 BaseG	1.383		27.14 5034.3
	ZA	0.776		16.30	3755.9	SCemento-2	0.523		10.46 1991.7
	AC22 bin	1.103		21.69	4260.8	BBTM 11B	0.467		9.18 1893.9
	Rellenos	1.519		32.02	6707.2				
101740.000	SCemento-1	3.739		73.49	13301.4	AC32 BaseG	1.435		28.18 5062.5
	ZA	1.018		17.95	3773.9	SCemento-2	0.524		10.47 2002.2
	AC22 bin	1.139		22.42	4283.3	BBTM 11B	0.482		9.49 1903.4
	Rellenos	2.006		35.25	6742.5				
101760.000	SCemento-1	3.868		76.06	13377.4	AC32 BaseG	1.485		29.20 5091.7
	ZA	1.019		20.37	3794.2	SCemento-2	0.525		10.49 2012.7
	AC22 bin	1.176		23.15	4306.4	BBTM 11B	0.498		9.80 1913.2
	Rellenos	1.694		37.00	6779.5				
101780.000	SCemento-1	3.997		78.64	13456.1	AC32 BaseG	1.537		30.22 5121.9
	ZA	0.903		19.22	3813.4	SCemento-2	0.526		10.50 2023.2
	AC22 bin	1.212		23.88	4330.3	BBTM 11B	0.514		10.12 1923.4
	Rellenos	1.232		29.27	6808.8				
101800.000	SCemento-1	4.125		81.22	13537.3	AC32 BaseG	1.591		31.28 5153.2
	ZA	0.919		18.22	3831.7	SCemento-2	0.527		10.52 2033.7
	AC22 bin	1.248		24.60	4354.9	BBTM 11B	0.529		10.43 1933.8
	Rellenos	1.251		24.83	6833.6				

101940.000	AC22 bin	1.276	25.52	4507.8	BBTM 11B	0.542	10.84	1998.6
	Rellenos	2.425	48.51	7094.6				
	SCemento-1	4.226	84.52	14127.9	AC32 BaseG	1.631	32.60	5381.0
	ZA	1.019	20.38	3973.0	SCemento-2	0.528	10.57	2107.6
101960.000	AC22 bin	1.277	25.53	4533.3	BBTM 11B	0.540	10.83	2009.4
	Rellenos	2.599	50.25	7144.9				
	SCemento-1	4.225	84.51	14212.4	AC32 BaseG	1.631	32.62	5413.7
	ZA	1.019	20.38	3993.3	SCemento-2	0.528	10.56	2118.2
101980.000	AC22 bin	1.276	25.53	4558.8	BBTM 11B	0.541	10.81	2020.3
	Rellenos	2.426	50.25	7195.1				
	SCemento-1	4.226	84.51	14296.9	AC32 BaseG	1.628	32.59	5446.3
	ZA	1.019	20.38	4013.7	SCemento-2	0.529	10.57	2128.7
	AC22 bin	1.276	25.52	4584.4	BBTM 11B	0.542	10.83	2031.1
	Rellenos	2.426	48.51	7243.7				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 26
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102000.000	SCemento-1	4.225	84.51	14381.4	AC32 BaseG	1.631	32.59	5478.8	
	ZA	1.019	20.38	4034.1	SCemento-2	0.528	10.57	2139.3	
	AC22 bin	1.277	25.53	4609.9	BBTM 11B	0.541	10.84	2041.9	
	Rellenos	2.271	46.96	7290.6					
102020.000	SCemento-1	4.225	84.50	14465.9	AC32 BaseG	1.631	32.62	5511.5	
	ZA	1.016	20.35	4054.4	SCemento-2	0.528	10.56	2149.9	
	AC22 bin	1.276	25.53	4635.4	BBTM 11B	0.541	10.82	2052.8	
	Rellenos	1.974	42.44	7333.1					
102040.000	SCemento-1	4.226	84.51	14550.4	AC32 BaseG	1.630	32.61	5544.1	
	ZA	0.891	19.07	4073.5	SCemento-2	0.529	10.57	2160.4	
	AC22 bin	1.275	25.51	4660.9	BBTM 11B	0.542	10.83	2063.6	
	Rellenos	1.793	37.66	7370.7					
102060.000	SCemento-1	3.350	75.76	14626.2	AC32 BaseG	1.281	29.10	5573.2	
	ZA	0.878	17.69	4091.2	SCemento-2	0.528	10.57	2171.0	
	AC22 bin	1.031	23.06	4684.0	BBTM 11B	0.436	9.78	2073.4	
	Rellenos	1.773	35.66	7406.4					
102080.000	SCemento-1	3.350	67.00	14693.2	AC32 BaseG	1.279	25.60	5598.8	
	ZA	0.862	17.40	4108.6	SCemento-2	0.528	10.56	2181.6	
	AC22 bin	1.032	20.63	4704.6	BBTM 11B	0.436	8.73	2082.1	
	Rellenos	1.752	35.25	7441.6					
102100.000	SCemento-1	3.350	67.00	14760.2	AC32 BaseG	1.281	25.60	5624.4	
	ZA	0.925	17.86	4126.5	SCemento-2	0.528	10.56	2192.1	
	AC22 bin	1.032	20.64	4725.3	BBTM 11B	0.435	8.72	2090.8	
	Rellenos	1.845	35.97	7477.6					
102120.000	SCemento-1	3.350	66.99	14827.2	AC32 BaseG	1.281	25.62	5650.0	
	ZA	0.966	18.91	4145.4	SCemento-2	0.528	10.56	2202.7	
	AC22 bin	1.031	20.63	4745.9	BBTM 11B	0.436	8.72	2099.5	
	Rellenos	1.903	37.47	7515.1					
102140.000	SCemento-1	3.350	67.00	14894.2	AC32 BaseG	1.279	25.60	5675.6	
	ZA	0.986	19.52	4164.9	SCemento-2	0.528	10.56	2213.2	
	AC22 bin	1.032	20.63	4766.5	BBTM 11B	0.436	8.73	2108.3	
	Rellenos	1.929	38.31	7553.4					
102160.000	SCemento-1	3.350	67.01	14961.2	AC32 BaseG	1.281	25.60	5701.2	
	ZA	0.985	19.71	4184.6	SCemento-2	0.528	10.56	2223.8	
	AC22 bin	1.031	20.63	4787.2	BBTM 11B	0.435	8.72	2117.0	
	Rellenos	1.927	38.56	7591.9					

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 27
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102180.000	SCemento-1	3.351	67.01	15028.2	AC32 BaseG	1.279	25.60	5726.8	
	ZA	0.962	19.46	4204.1	SCemento-2	0.528	10.56	2234.4	
	AC22 bin	1.032	20.63	4807.8	BBTM 11B	0.437	8.72	2125.7	
	Rellenos	2.104	40.31	7632.3					
102200.000	SCemento-1	3.350	67.01	15095.2	AC32 BaseG	1.281	25.60	5752.4	
	ZA	0.918	18.79	4222.9	SCemento-2	0.528	10.56	2244.9	
	AC22 bin	1.031	20.63	4828.4	BBTM 11B	0.436	8.73	2134.4	
	Rellenos	1.834	39.38	7671.6					
102220.000	SCemento-1	3.350	67.01	15162.2	AC32 BaseG	1.281	25.62	5778.0	
	ZA	0.852	17.70	4240.6	SCemento-2	0.528	10.56	2255.5	
	AC22 bin	1.031	20.63	4849.0	BBTM 11B	0.436	8.72	2143.1	
	Rellenos	1.729	35.63	7707.3					
102240.000	SCemento-1	3.349	67.00	15229.2	AC32 BaseG	1.281	25.62	5803.6	
	ZA	0.765	16.17	4256.7	SCemento-2	0.528	10.56	2266.0	
	AC22 bin	1.031	20.63	4869.7	BBTM 11B	0.436	8.72	2151.9	
	Rellenos	1.569	32.98	7740.2					
102260.000	SCemento-1	3.350	66.99	15296.2	AC32 BaseG	1.278	25.59	5829.2	
	ZA	0.759	15.24	4272.0	SCemento-2	0.528	10.56	2276.6	
	AC22 bin	1.032	20.63	4890.3	BBTM 11B	0.436	8.73	2160.6	
	Rellenos	1.558	31.27	7771.5					
102280.000	SCemento-1	3.350	67.00	15363.2	AC32 BaseG	1.279	25.58	5854.8	
	ZA	0.746	15.05	4287.0	SCemento-2	0.528	10.56	2287.2	
	AC22 bin	1.032	20.64	4910.9	BBTM 11B	0.436	8.72	2169.3	
	Rellenos	1.531	30.89	7802.4					
102300.000	SCemento-1	3.350	67.00	15430.2	AC32 BaseG	1.279	25.58	5880.4	
	ZA	0.734	14.80	4301.8	SCemento-2	0.528	10.56	2297.7	

102320.000	AC22 bin	1.032	20.64	4931.6	BBTM 11B	0.436	8.72	2178.0
	Rellenos	1.507	30.38	7832.8				
	SCemento-1	3.350	67.00	15497.2	AC32 BaseG	1.279	25.57	5905.9
	ZA	0.975	17.09	4318.9	SCemento-2	0.528	10.56	2308.3
102340.000	AC22 bin	1.032	20.64	4952.2	BBTM 11B	0.436	8.73	2186.8
	Rellenos	1.915	34.22	7867.0				
	SCemento-1	3.350	67.01	15564.2	AC32 BaseG	1.279	25.57	5931.5
	ZA	1.019	19.94	4338.8	SCemento-2	0.528	10.56	2318.9
	AC22 bin	1.032	20.64	4972.9	BBTM 11B	0.436	8.73	2195.5
	Rellenos	2.393	43.08	7910.1				

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 28
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
102360.000	SCemento-1	3.350	67.00	15631.2	AC32 BaseG	1.278	25.57	5957.1	
	ZA	1.019	20.38	4359.2	SCemento-2	0.528	10.56	2329.4	
	AC22 bin	1.032	20.64	4993.5	BBTM 11B	0.436	8.73	2204.2	
	Rellenos	2.361	47.54	7957.6					
102380.000	SCemento-1	3.350	66.99	15698.2	AC32 BaseG	1.281	25.59	5982.7	
	ZA	1.013	20.32	4379.6	SCemento-2	0.528	10.56	2340.0	
	AC22 bin	1.032	20.64	5014.1	BBTM 11B	0.435	8.72	2212.9	
	Rellenos	1.941	43.03	8000.6					
102400.000	SCemento-1	3.349	66.99	15765.2	AC32 BaseG	1.281	25.62	6008.3	
	ZA	0.805	18.18	4397.7	SCemento-2	0.528	10.56	2350.5	
	AC22 bin	1.031	20.63	5034.8	BBTM 11B	0.436	8.72	2221.6	
	Rellenos	1.534	34.76	8035.4					
102420.000	SCemento-1	3.350	66.99	15832.2	AC32 BaseG	1.281	25.62	6033.9	
	ZA	0.838	16.44	4414.2	SCemento-2	0.528	10.56	2361.1	
	AC22 bin	1.032	20.63	5055.4	BBTM 11B	0.436	8.73	2230.4	
	Rellenos	1.580	31.14	8066.5					
102440.000	SCemento-1	3.350	67.00	15899.2	AC32 BaseG	1.281	25.62	6059.5	
	ZA	0.830	16.68	4430.8	SCemento-2	0.528	10.56	2371.7	
	AC22 bin	1.032	20.64	5076.0	BBTM 11B	0.435	8.72	2239.1	
	Rellenos	1.571	31.51	8098.0					
102460.000	SCemento-1	3.350	67.01	15966.2	AC32 BaseG	1.281	25.62	6085.1	
	ZA	1.019	18.49	4449.3	SCemento-2	0.528	10.56	2382.2	
	AC22 bin	1.031	20.63	5096.7	BBTM 11B	0.435	8.71	2247.8	
	Rellenos	2.425	39.96	8138.0					
102480.000	SCemento-1	3.350	67.00	16033.2	AC32 BaseG	1.281	25.62	6110.8	
	ZA	1.019	20.38	4469.7	SCemento-2	0.528	10.56	2392.8	
	AC22 bin	1.031	20.63	5117.3	BBTM 11B	0.436	8.72	2256.5	
	Rellenos	2.425	48.50	8186.5					
102500.000	SCemento-1	3.350	67.00	16100.2	AC32 BaseG	1.281	25.62	6136.4	
	ZA	1.013	20.32	4490.0	SCemento-2	0.528	10.56	2403.3	
	AC22 bin	1.031	20.62	5137.9	BBTM 11B	0.436	8.73	2265.2	
	Rellenos	1.915	43.40	8229.9					
102520.000	SCemento-1	3.350	67.00	16167.2	AC32 BaseG	1.280	25.61	6162.0	
	ZA	0.889	19.02	4509.1	SCemento-2	0.528	10.56	2413.9	
	AC22 bin	1.031	20.62	5158.5	BBTM 11B	0.436	8.73	2274.0	
	Rellenos	1.596	35.11	8265.0					

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 29
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****			
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102700.000	AC22 bin	1.276	25.53	5335.8	BBTM 11B	0.541	10.82	2349.0
	Rellenos	0.877	17.22	8425.8				
	SCemento-1	4.225	84.50	16831.4	AC32 BaseG	1.631	32.62	6417.0
	ZA	0.728	14.37	4644.1	SCemento-2	0.528	10.56	2508.9
	AC22 bin	1.276	25.52	5361.3	BBTM 11B	0.541	10.82	2359.8

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 30
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102720.000	SCemento-1	4.226		84.51	16915.9	AC32 BaseG	1.630		32.61	6449.6
	ZA	0.739		14.67	4658.8	SCemento-2	0.528		10.56	2519.5
	AC22 bin	1.277		25.53	5386.9	BBTM 11B	0.541		10.82	2370.6
	Rellenos	0.935		18.45	8462.1					
102740.000	SCemento-1	4.225		84.51	17000.4	AC32 BaseG	1.630		32.60	6482.2
	ZA	0.751		14.90	4673.7	SCemento-2	0.528		10.56	2530.1
	AC22 bin	1.277		25.54	5412.4	BBTM 11B	0.541		10.82	2381.5
	Rellenos	0.953		18.88	8481.0					
102760.000	SCemento-1	4.226		84.51	17084.9	AC32 BaseG	1.631		32.61	6514.8
	ZA	0.760		15.11	4688.8	SCemento-2	0.528		10.56	2540.6
	AC22 bin	1.277		25.54	5437.9	BBTM 11B	0.540		10.81	2392.3
	Rellenos	0.967		19.20	8500.2					
102780.000	SCemento-1	4.225		84.51	17169.5	AC32 BaseG	1.631		32.62	6547.4
	ZA	0.767		15.28	4704.1	SCemento-2	0.528		10.56	2551.2
	AC22 bin	1.277		25.54	5463.5	BBTM 11B	0.541		10.82	2403.1
	Rellenos	0.977		19.44	8519.6					
102800.000	SCemento-1	4.175		83.99	17253.4	AC32 BaseG	1.610		32.40	6579.8
	ZA	0.772		15.39	4719.5	SCemento-2	0.528		10.56	2561.8
	AC22 bin	1.262		25.39	5488.9	BBTM 11B	0.535		10.76	2413.8
	Rellenos	0.985		19.61	8539.3					
102820.000	SCemento-1	4.046		82.21	17335.7	AC32 BaseG	1.558		31.67	6611.5
	ZA	0.774		15.46	4734.9	SCemento-2	0.528		10.57	2572.3
	AC22 bin	1.225		24.87	5513.7	BBTM 11B	0.520		10.55	2424.4
	Rellenos	0.986		19.71	8559.0					
102840.000	SCemento-1	3.917		79.63	17415.3	AC32 BaseG	1.505		30.63	6642.1
	ZA	0.774		15.48	4750.4	SCemento-2	0.529		10.57	2582.9
	AC22 bin	1.190		24.16	5537.9	BBTM 11B	0.504		10.25	2434.6
	Rellenos	0.986		19.73	8578.7					
102860.000	SCemento-1	3.787		77.04	17492.3	AC32 BaseG	1.455		29.60	6671.7
	ZA	0.775		15.49	4765.9	SCemento-2	0.529		10.57	2593.5
	AC22 bin	1.153		23.44	5561.3	BBTM 11B	0.488		9.92	2444.6
	Rellenos	0.987		19.74	8598.4					
102880.000	SCemento-1	3.658		74.44	17566.8	AC32 BaseG	1.401		28.56	6700.3
	ZA	0.775		15.50	4781.4	SCemento-2	0.528		10.57	2604.0
	AC22 bin	1.116		22.69	5584.0	BBTM 11B	0.474		9.63	2454.2
	Rellenos	0.989		19.76	8618.2					

Istram 18.05.05.29 17/07/18 18:00:42 459 pagina 31
PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
102900.000	SCemento-1	3.527		71.84	17638.6	AC32 BaseG	1.351		27.52	6727.8
	ZA	0.776		15.52	4796.9	SCemento-2	0.528		10.57	2614.6
	AC22 bin	1.081		21.97	5606.0	BBTM 11B	0.457		9.31	2463.5
	Rellenos	0.989		19.78	8638.0					
102920.000	SCemento-1	3.398		69.25	17707.9	AC32 BaseG	1.297		26.49	6754.3
	ZA	0.777		15.53	4812.4	SCemento-2	0.528		10.56	2625.2
	AC22 bin	1.044		21.25	5627.3	BBTM 11B	0.442		8.99	2472.5
	Rellenos	0.992		19.81	8657.8					
102940.000	SCemento-1	3.350		67.48	17775.3	AC32 BaseG	1.281		25.78	6780.0
	ZA	0.778		15.55	4828.0	SCemento-2	0.528		10.56	2635.7
	AC22 bin	1.031		20.76	5648.0	BBTM 11B	0.436		8.79	2481.3
	Rellenos	0.992		19.83	8677.6					
102960.000	SCemento-1	3.350		67.00	17842.3	AC32 BaseG	1.281		25.62	6805.7
	ZA	0.780		15.58	4843.6	SCemento-2	0.528		10.56	2646.3
	AC22 bin	1.031		20.63	5668.6	BBTM 11B	0.435		8.72	2490.0
	Rellenos	0.994		19.86	8697.5					
102980.000	SCemento-1	2.720		60.70	17903.0	AC32 BaseG	1.157		24.38	6830.1
	ZA	0.781		15.61	4859.2	SCemento-2	0.528		10.56	2656.8
	AC22 bin	1.032		20.63	5689.3	BBTM 11B	0.436		8.71	2498.7
	Rellenos	0.996		19.90	8717.4					
103000.000	SCemento-1	2.536		52.55	17955.6	AC32 BaseG	0.956		21.13	6851.2
	ZA	0.782		15.64	4874.8	SCemento-2	0.528		10.56	2667.4
	AC22 bin	0.804		18.36	5707.6	BBTM 11B	0.436		8.72	2507.4
	Rellenos	0.998		19.94	8737.3					
103020.000	SCemento-1	3.350		58.85	18014.4	AC32 BaseG	1.279		22.35	6873.5
	ZA	0.716		14.99	4889.8	SCemento-2	0.528		10.56	2678.0
	AC22 bin	1.032		18.36	5726.0	BBTM 11B	0.436		8.72	2516.2
	Rellenos	0.899		18.96	8756.3					
103040.000	SCemento-1	3.350		67.00	18081.4	AC32 BaseG	1.281		25.59	6899.1
	ZA	0.914		16.30	4906.1	SCemento-2	0.528		10.56	2688.5
	AC22 bin	1.031		20.63	5746.6	BBTM 11B	0.436		8.73	2524.9
	Rellenos	1.437		23.36	8779.6					
103060.000	SCemento-1	3.350		67.00	18148.4	AC32 BaseG	1.281		25.62	6924.7
	ZA	0.919		18.32	4924.4	SCemento-2	0.528		10.56	2699.1

AC22 bin	1.031	20.63	5767.2	BBTM 11B	0.435	8.72	2533.6
Rellenos	1.835	32.73	8812.4				
Istram 18.05.05.29 17/07/18 18:00:42 459							
PROYECTO :							pagina 32
EJE: 2: Autov ^{da} de Castilla A-62: Due ^{ña} s-Cigales Izq. Tronco							

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
103080.000	SCemento-1	3.350		67.01	18215.4	AC32 BaseG	1.279		25.60	6950.3
	ZA	0.921		18.40	4942.8	SCemento-2	0.528		10.56	2709.6
	AC22 bin	1.032		20.63	5787.9	BBTM 11B	0.436		8.71	2542.3
	Rellenos	1.838		36.74	8849.1					
103100.000	SCemento-1	3.350		67.00	18282.4	AC32 BaseG	1.281		25.60	6975.9
	ZA	0.923		18.44	4961.2	SCemento-2	0.528		10.56	2720.2
	AC22 bin	1.031		20.63	5808.5	BBTM 11B	0.436		8.72	2551.0
	Rellenos	1.841		36.79	8885.9					
103120.000	SCemento-1	3.350		66.99	18349.4	AC32 BaseG	1.279		25.59	7001.5
	ZA	0.926		18.49	4979.7	SCemento-2	0.528		10.56	2730.8
	AC22 bin	1.032		20.63	5829.1	BBTM 11B	0.436		8.73	2559.8
	Rellenos	1.844		36.85	8922.7					
103140.000	SCemento-1	3.350		67.00	18416.4	AC32 BaseG	1.281		25.59	7027.1
	ZA	0.929		18.54	4998.3	SCemento-2	0.528		10.56	2741.3
	AC22 bin	1.031		20.63	5849.8	BBTM 11B	0.436		8.73	2568.5
	Rellenos	1.848		36.92	8959.7					
103160.000	SCemento-1	3.351		67.01	18483.4	AC32 BaseG	1.281		25.61	7052.7
	ZA	0.932		18.61	5016.9	SCemento-2	0.528		10.56	2751.9
	AC22 bin	1.031		20.62	5870.4	BBTM 11B	0.436		8.73	2577.2
	Rellenos	1.853		37.01	8996.7					
103180.000	SCemento-1	3.352		67.03	18550.5	AC32 BaseG	1.279		25.60	7078.3
	ZA	0.936		18.68	5035.6	SCemento-2	0.527		10.55	2762.4
	AC22 bin	1.031		20.62	5891.0	BBTM 11B	0.437		8.73	2586.0
	Rellenos	1.859		37.12	9033.8					
103200.000	SCemento-1	3.353		67.04	18617.5	AC32 BaseG	1.280		25.60	7103.9
	ZA	0.939		18.75	5054.3	SCemento-2	0.526		10.53	2773.0
	AC22 bin	1.031		20.62	5911.6	BBTM 11B	0.436		8.73	2594.7
	Rellenos	1.861		37.20	9071.0					
103220.000	SCemento-1	3.353		67.06	18684.6	AC32 BaseG	1.280		25.60	7129.5
	ZA	0.943		18.82	5073.1	SCemento-2	0.525		10.51	2783.5
	AC22 bin	1.032		20.64	5932.3	BBTM 11B	0.436		8.72	2603.4
	Rellenos	1.866		37.27	9108.2					
103240.000	SCemento-1	3.354		67.08	18751.7	AC32 BaseG	1.280		25.60	7155.1
	ZA	0.946		18.89	5092.0	SCemento-2	0.524		10.49	2794.0
	AC22 bin	1.032		20.64	5952.9	BBTM 11B	0.436		8.72	2612.1
	Rellenos	1.868		37.34	9145.6					

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103440.000	SCemento-1 ZA AC22 bin Rellenos	3.366 0.978 1.032 1.898	67.29 19.51 20.64 37.92	19423.4 5284.4 6159.2 9526.4	AC32 BaseG SCemento-2 BBTM 11B	1.280 0.513 0.436	25.60 10.31 8.72	7411.2 2898.1 2699.4	
103460.000	SCemento-1 ZA AC22 bin Rellenos	3.391 1.003 1.031 2.094	67.58 19.81 20.63 39.92	19491.0 5304.2 6179.8 9566.3	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.491 0.436	25.63 10.04 8.72	7436.8 2908.1 2708.1	
103480.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.030 2.111	68.05 20.13 20.62 42.04	19559.0 5324.4 6200.4 9608.4	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.436	25.66 9.63 8.73	7462.5 2917.7 2716.8	
103500.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.032 2.117	68.28 20.20 20.62 42.27	19627.3 5344.6 6221.0 9650.7	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.437	25.65 9.44 8.73	7488.2 2927.2 2725.5	
103520.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.002 1.033 1.455	68.28 20.12 20.64 35.71	19695.6 5364.7 6241.7 9686.4	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.435	25.64 9.44 8.72	7513.8 2936.6 2734.3	
103540.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.816 1.031 1.143	68.28 18.18 20.64 25.98	19763.9 5382.9 6262.3 9712.4	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.436	25.66 9.44 8.72	7539.5 2946.0 2743.0	
103560.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.844 1.032 1.205	68.28 16.60 20.63 23.48	19832.1 5399.5 6283.0 9735.8	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.437	25.66 9.44 8.73	7565.1 2955.5 2751.7	
103580.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.855 1.031 1.210	68.28 16.99 20.63 24.15	19900.4 5416.5 6303.6 9760.0	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.438	25.64 9.44 8.74	7590.8 2964.9 2760.5	
103600.000	SCemento-1 ZA AC22 bin Rellenos	1.935 0.865 0.679 1.214	53.49 17.20 17.10 24.24	19953.9 5433.7 6320.7 9784.2	AC32 BaseG SCemento-2 BBTM 11B	0.693 0.472 0.436	19.75 9.44 8.73	7610.5 2974.4 2769.2	

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 35

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103620.000	SCemento-1 ZA AC22 bin Rellenos	1.938 0.857 1.011 1.218	38.73 17.22 16.90 24.32	19992.6 5450.9 6337.6 9808.5	AC32 BaseG SCemento-2 BBTM 11B	0.893 0.472 0.436	15.85 9.43 8.72	7626.4 2983.8 2777.9	
103640.000	SCemento-1 ZA AC22 bin Rellenos	1.930 0.820 0.799 1.209	38.68 16.77 18.10 24.27	20031.3 5467.7 6355.7 9832.8	AC32 BaseG SCemento-2 BBTM 11B	0.770 0.472 0.438	16.63 9.44 8.74	7643.0 2993.2 2786.6	
103660.000	SCemento-1 ZA AC22 bin Rellenos	2.385 0.806 0.823 1.198	43.15 16.26 16.22 24.08	20074.5 5483.9 6371.9 9856.9	AC32 BaseG SCemento-2 BBTM 11B	0.873 0.472 0.435	16.43 9.44 8.73	7659.4 3002.7 2795.4	
103680.000	SCemento-1 ZA AC22 bin Rellenos	3.413 0.852 1.031 1.230	57.98 16.58 18.54 24.28	20132.4 5500.5 6390.4 9881.2	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.438	21.55 9.44 8.73	7681.0 3012.1 2804.1	
103700.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.793 1.031 1.125	68.27 16.45 20.62 23.55	20200.7 5517.0 6411.0 9904.7	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.435	25.67 9.44 8.73	7706.6 3021.5 2812.8	
103720.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.781 1.033 1.172	68.28 15.74 20.64 22.97	20269.0 5532.7 6431.7 9927.7	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.435	25.67 9.44 8.71	7732.3 3031.0 2821.5	
103740.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.818 1.033 1.228	68.28 16.00 20.66 24.00	20337.3 5548.7 6452.3 9951.7	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.435	25.66 9.43 8.71	7758.0 3040.4 2830.2	
103760.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.804 1.031 1.162	68.28 16.22 20.64 23.90	20405.6 5564.9 6473.0 9975.6	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.66 9.43 8.72	7783.6 3049.8 2839.0	
103780.000	SCemento-1 ZA AC22 bin Rellenos	3.413 0.865 1.031 1.294	68.26 16.69 20.62 24.56	20473.8 5581.6 6493.6 10000.1	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.68 9.44 8.73	7809.3 3059.3 2847.7	

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 36

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103800.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.031 1.738	68.26 18.75 20.62 30.32	20542.1 5600.4 6514.2 10030.5	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.68 9.44 8.73	7835.0 3068.7 2856.4	
103820.000	SCemento-1 ZA AC22 bin Rellenos	3.413 0.989 1.031 1.496	68.26 19.99 20.62 32.34	20610.3 5620.4 6534.8 10062.8	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.68 9.44 8.73	7860.7 3078.2 2865.1	
103840.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.004 1.031 1.582	68.26 19.93 20.62 30.78	20678.6 5640.3 6555.5 10093.6	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.436	25.68 9.43 8.73	7886.3 3087.6 2873.9	
103860.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.032 2.196	68.28 20.14 20.63 37.78	20746.9 5660.4 6576.1 10131.4	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.471 0.435	25.67 9.43 8.72	7912.0 3097.0 2882.6	
103880.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.031 2.205	68.28 20.20 20.64 44.01	20815.2 5680.6 6596.7 10175.4	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.68 9.43 8.72	7937.7 3106.5 2891.3	
103900.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.031 1.888	68.28 20.20 20.62 40.93	20883.4 5700.8 6617.4 10216.3	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.438	25.66 9.44 8.74	7963.4 3115.9 2900.0	
103920.000	SCemento-1 ZA AC22 bin Rellenos	3.415 1.010 1.031 2.029	68.29 20.20 20.62 39.18	20951.7 5721.0 6638.0 10255.5	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.435	25.66 9.44 8.73	7989.0 3125.3 2908.8	
103940.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.010 1.031 2.223	68.29 20.21 20.62 42.53	21020.0 5741.2 6658.6 10298.0	AC32 BaseG SCemento-2 BBTM 11B	1.282 0.472 0.438	25.66 9.44 8.73	8014.7 3134.8 2917.5	
103960.000	SCemento-1 ZA AC22 bin Rellenos	3.413 1.006 1.031 1.669	68.27 20.16 20.62 38.92	21088.3 5761.4 6679.2 10336.9	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.436	25.66 9.44 8.74	8040.3 3144.2 2926.2	

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 37

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
103980.000	SCemento-1 ZA AC22 bin Rellenos	3.414 1.004 1.032 1.642	68.27 20.10 20.63 33.11	21156.6 5781.5 6699.8 10370.0	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.435	25.68 9.44 8.72	8066.0 3153.7 2935.0	
104000.000	SCemento-1 ZA AC22 bin Rellenos	1.868 0.972 0.833 1.485	52.82 19.75 18.65 31.27	21209.4 5801.3 6718.5 10401.3	AC32 BaseG SCemento-2 BBTM 11B	0.753 0.471 0.438	20.37 9.43 8.73	8086.4 3163.1 2943.7	
104020.000	SCemento-1 ZA AC22 bin Rellenos	1.885 0.945 1.000 1.428	37.53 19.17 18.33 29.14	21246.9 5820.4 6736.8 10430.5	AC32 BaseG SCemento-2 BBTM 11B	0.863 0.472 0.438	16.16 9.43 8.75	8102.5 3172.5 2952.4	
104040.000	SCemento-1 ZA AC22 bin Rellenos	1.902 0.809 0.987 1.168	37.87 17.54 19.87 25.96	21284.8 5838.0 6756.7 10456.4	AC32 BaseG SCemento-2 BBTM 11B	0.832 0.472 0.436	16.95 9.44 8.74	8119.5 3182.0 2961.2	
104060.000	SCemento-1 ZA AC22 bin Rellenos	2.226 0.860 0.992 1.333	41.28 16.69 19.79 25.01	21326.1 5854.7 6776.5 10481.4	AC32 BaseG SCemento-2 BBTM 11B	0.945 0.472 0.438	17.77 9.43 8.74	8137.3 3191.4 2969.9	
104080.000	SCemento-1 ZA AC22 bin Rellenos	1.946 0.866 0.816 1.343	41.72 17.26 18.08 26.76	21367.8 5871.9 6794.6 10508.2	AC32 BaseG SCemento-2 BBTM 11B	0.772 0.472 0.436	17.17 9.43 8.74	8154.4 3200.8 2978.7	
104100.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.868 1.032 1.348	53.60 17.34 18.48 26.91	21421.4 5889.3 6813.1 10535.1	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.471 0.435	20.56 9.43 8.72	8175.0 3210.2 2987.4	
104120.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.817 1.031 1.334	68.28 16.85 20.63 26.82	21489.7 5906.1 6833.7 10561.9	AC32 BaseG SCemento-2 BBTM 11B	1.284 0.472 0.435	25.68 9.44 8.71	8200.7 3219.7 2996.1	
104140.000	SCemento-1 ZA AC22 bin Rellenos	3.414 0.854 1.031 1.372	68.28 16.71 20.62 27.06	21558.0 5922.8 6854.3 10589.0	AC32 BaseG SCemento-2 BBTM 11B	1.283 0.472 0.436	25.67 9.44 8.72	8226.3 3229.1 3004.8	

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 38

PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

104160.000	SCemento-1	3.414	68.28	21626.2	AC32 BaseG	1.283	25.66	8252.0
	ZA	0.892	17.47	5940.3	SCemento-2	0.471	9.43	3238.6
	AC22 bin	1.033	20.64	6874.9	BBTM 11B	0.435	8.72	3013.5
104180.000	Rellenos	1.448	28.20	10617.2				
	SCemento-1	3.414	68.28	21694.5	AC32 BaseG	1.283	25.66	8277.7
	ZA	0.934	18.26	5958.5	SCemento-2	0.472	9.43	3248.0
	AC22 bin	1.031	20.64	6895.6	BBTM 11B	0.436	8.72	3022.2
104200.000	Rellenos	1.525	29.73	10646.9				
	SCemento-1	3.414	68.28	21762.8	AC32 BaseG	1.284	25.67	8303.3
	ZA	0.883	18.17	5976.7	SCemento-2	0.471	9.43	3257.4
	AC22 bin	1.032	20.63	6916.2	BBTM 11B	0.435	8.72	3031.0
104220.000	Rellenos	1.431	29.56	10676.5				
	SCemento-1	3.414	68.28	21831.1	AC32 BaseG	1.283	25.67	8329.0
	ZA	0.894	17.77	5994.5	SCemento-2	0.472	9.43	3266.9
	AC22 bin	1.031	20.63	6936.9	BBTM 11B	0.436	8.72	3039.7
104240.000	Rellenos	1.451	28.82	10705.3				
	SCemento-1	3.414	68.27	21899.4	AC32 BaseG	1.284	25.67	8354.7
	ZA	0.977	18.72	6013.2	SCemento-2	0.472	9.44	3276.3
	AC22 bin	1.030	20.62	6957.5	BBTM 11B	0.436	8.73	3048.4
104260.000	Rellenos	1.595	30.47	10735.8				
	SCemento-1	3.414	68.28	21967.6	AC32 BaseG	1.283	25.67	8380.4
	ZA	1.004	19.81	6033.0	SCemento-2	0.471	9.44	3285.7
	AC22 bin	1.033	20.63	6978.1	BBTM 11B	0.435	8.72	3057.1
104280.000	Rellenos	1.625	32.20	10768.0				
	SCemento-1	3.414	68.28	22035.9	AC32 BaseG	1.283	25.66	8406.0
	ZA	0.877	18.81	6051.8	SCemento-2	0.472	9.43	3295.2
	AC22 bin	1.031	20.64	6998.7	BBTM 11B	0.436	8.72	3065.8
104300.000	Rellenos	1.414	30.39	10798.4				
	SCemento-1	3.414	68.28	22104.2	AC32 BaseG	1.284	25.67	8431.7
	ZA	0.833	17.10	6068.9	SCemento-2	0.472	9.44	3304.6
	AC22 bin	1.031	20.62	7019.4	BBTM 11B	0.436	8.73	3074.6
104320.000	Rellenos	1.323	27.37	10825.7				
	SCemento-1	3.414	68.28	22172.5	AC32 BaseG	1.282	25.66	8457.4
	ZA	0.775	16.08	6085.0	SCemento-2	0.472	9.44	3314.0
	AC22 bin	1.032	20.63	7040.0	BBTM 11B	0.437	8.73	3083.3
	Rellenos	1.192	25.14	10850.9				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 39

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104340.000	SCemento-1	3.414	68.28	22240.7	AC32 BaseG	1.284	25.66	8483.0
	ZA	0.868	16.42	6101.4	SCemento-2	0.472	9.44	3323.5
	AC22 bin	1.031	20.63	7060.6	BBTM 11B	0.436	8.73	3092.0
104360.000	Rellenos	1.341	25.32	10876.2				
	SCemento-1	3.414	68.28	22309.0	AC32 BaseG	1.284	25.68	8508.7
	ZA	0.868	17.35	6118.8	SCemento-2	0.472	9.45	3332.9
	AC22 bin	1.031	20.61	7081.2	BBTM 11B	0.435	8.72	3100.7
104380.000	Rellenos	1.339	26.80	10903.0				
	SCemento-1	3.414	68.28	22377.3	AC32 BaseG	1.282	25.66	8534.3
	ZA	0.868	17.36	6136.1	SCemento-2	0.472	9.44	3342.4
	AC22 bin	1.031	20.62	7101.9	BBTM 11B	0.438	8.73	3109.5
104400.000	Rellenos	1.338	26.77	10929.8				
	SCemento-1	3.414	68.28	22445.6	AC32 BaseG	1.283	25.65	8560.0
	ZA	0.868	17.36	6153.5	SCemento-2	0.472	9.44	3351.8
	AC22 bin	1.031	20.62	7122.5	BBTM 11B	0.436	8.74	3118.2
104420.000	Rellenos	1.336	26.74	10956.5				
	SCemento-1	3.415	68.29	22513.9	AC32 BaseG	1.284	25.67	8585.7
	ZA	0.868	17.36	6170.8	SCemento-2	0.472	9.45	3361.3
	AC22 bin	1.031	20.62	7143.1	BBTM 11B	0.435	8.72	3126.9
104440.000	Rellenos	1.334	26.71	10983.2				
	SCemento-1	3.414	68.29	22582.2	AC32 BaseG	1.283	25.67	8611.3
	ZA	0.868	17.36	6188.2	SCemento-2	0.472	9.44	3370.7
	AC22 bin	1.031	20.62	7163.7	BBTM 11B	0.436	8.72	3135.7
104460.000	Rellenos	1.333	26.67	11009.9				
	SCemento-1	3.414	68.27	22650.4	AC32 BaseG	1.283	25.67	8637.0
	ZA	0.868	17.36	6205.6	SCemento-2	0.472	9.44	3380.1
	AC22 bin	1.031	20.62	7184.3	BBTM 11B	0.436	8.73	3144.4
104480.000	Rellenos	1.331	26.64	11036.5				
	SCemento-1	3.414	68.28	22718.7	AC32 BaseG	1.283	25.66	8662.7
	ZA	0.868	17.36	6222.9	SCemento-2	0.471	9.44	3389.6
	AC22 bin	1.033	20.64	7205.0	BBTM 11B	0.435	8.72	3153.1
104500.000	Rellenos	1.330	26.61	11063.1				
	SCemento-1	3.414	68.28	22787.0	AC32 BaseG	1.283	25.66	8688.3
	ZA	0.822	16.90	6239.8	SCemento-2	0.472	9.43	3399.0
	AC22 bin	1.031	20.64	7225.6	BBTM 11B	0.436	8.72	3161.8
	Rellenos	1.282	26.12	11089.2				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 40

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
104520.000	SCemento-1	3.414	68.28	22855.3	AC32 BaseG	1.283	25.67	8714.0

	ZA	1.010	18.32	6258.1	SCemento-2	0.472	9.44	3408.4
	AC22 bin	1.030	20.62	7246.2	BBTM 11B	0.436	8.73	3170.5
104540.000	Rellenos	2.250	35.32	11124.6				
	SCemento-1	3.414	68.28	22923.5	AC32 BaseG	1.283	25.66	8739.7
	ZA	1.010	20.20	6278.3	SCemento-2	0.472	9.44	3417.9
	AC22 bin	1.033	20.63	7266.9	BBTM 11B	0.435	8.72	3179.3
104560.000	Rellenos	2.249	44.98	11169.5				
	SCemento-1	3.414	68.28	22991.8	AC32 BaseG	1.284	25.66	8765.3
	ZA	1.010	20.20	6298.5	SCemento-2	0.472	9.44	3427.3
	AC22 bin	1.031	20.63	7287.5	BBTM 11B	0.436	8.72	3188.0
104580.000	Rellenos	2.246	44.95	11214.5				
	SCemento-1	3.414	68.28	23060.1	AC32 BaseG	1.284	25.68	8791.0
	ZA	1.010	20.20	6318.7	SCemento-2	0.472	9.45	3436.8
	AC22 bin	1.031	20.61	7308.1	BBTM 11B	0.435	8.72	3196.7
104600.000	Rellenos	2.245	44.91	11259.4				
	SCemento-1	3.414	68.28	23128.4	AC32 BaseG	1.282	25.66	8816.7
	ZA	1.010	20.20	6338.9	SCemento-2	0.472	9.45	3446.2
	AC22 bin	1.032	20.63	7328.7	BBTM 11B	0.437	8.72	3205.4
104620.000	Rellenos	2.243	44.88	11304.3				
	SCemento-1	3.414	68.28	23196.7	AC32 BaseG	1.284	25.66	8842.3
	ZA	1.010	20.20	6359.1	SCemento-2	0.472	9.44	3455.7
	AC22 bin	1.031	20.63	7349.4	BBTM 11B	0.436	8.73	3214.1
104640.000	Rellenos	2.241	44.84	11349.1				
	SCemento-1	3.414	68.28	23264.9	AC32 BaseG	1.284	25.68	8868.0
	ZA	1.010	20.20	6379.3	SCemento-2	0.472	9.45	3465.1
	AC22 bin	1.031	20.61	7370.0	BBTM 11B	0.435	8.72	3222.9
104660.000	Rellenos	2.240	44.81	11393.9				
	SCemento-1	3.414	68.28	23333.2	AC32 BaseG	1.282	25.66	8893.7
	ZA	1.010	20.20	6399.5	SCemento-2	0.472	9.44	3474.5
	AC22 bin	1.031	20.62	7390.6	BBTM 11B	0.438	8.73	3231.6
104680.000	Rellenos	2.062	43.02	11437.0				
	SCemento-1	3.414	68.27	23401.5	AC32 BaseG	1.283	25.65	8919.3
	ZA	1.010	20.20	6419.7	SCemento-2	0.472	9.44	3484.0
	AC22 bin	1.031	20.62	7411.2	BBTM 11B	0.436	8.74	3240.3
	Rellenos	1.896	39.58	11476.5				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 41

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
104700.000	SCemento-1	3.414	68.28	23469.8	AC32 BaseG	1.284	25.67	8945.0	
	ZA	1.010	20.20	6439.9	SCemento-2	0.471	9.44	3493.4	
	AC22 bin	1.032	20.63	7431.8	BBTM 11B	0.435	8.72	3249.1	
	Rellenos	1.800	36.97	11513.5					
104720.000	SCemento-1	3.414	68.28	23538.0	AC32 BaseG	1.283	25.67	8970.6	
	ZA	1.007	20.18	6460.1	SCemento-2	0.474	9.46	3502.9	
	AC22 bin	1.031	20.63	7452.5	BBTM 11B	0.436	8.72	3257.8	
	Rellenos	1.705	35.06	11548.6					
104740.000	SCemento-1	3.414	68.27	23606.3	AC32 BaseG	1.284	25.67	8996.3	
	ZA	1.004	20.12	6480.2	SCemento-2	0.472	9.46	3512.3	
	AC22 bin	1.030	20.62	7473.1	BBTM 11B	0.436	8.73	3266.5	
	Rellenos	1.626	33.31	11581.9					
104760.000	SCemento-1	3.414	68.28	23674.6	AC32 BaseG	1.283	25.67	9022.0	
	ZA	1.010	20.14	6500.4	SCemento-2	0.471	9.44	3521.8	
	AC22 bin	1.033	20.63	7493.7	BBTM 11B	0.435	8.72	3275.2	
	Rellenos	2.230	38.56	11620.4					
104780.000	SCemento-1	3.414	68.28	23742.9	AC32 BaseG	1.283	25.66	9047.7	
	ZA	1.010	20.20	6520.6	SCemento-2	0.472	9.43	3531.2	
	AC22 bin	1.031	20.64	7514.4	BBTM 11B	0.436	8.72	3283.9	
	Rellenos	2.228	44.58	11665.0					
104800.000	SCemento-1	3.414	68.28	23811.1	AC32 BaseG	1.284	25.67	9073.3	
	ZA	1.010	20.19	6540.8	SCemento-2	0.472	9.44	3540.7	
	AC22 bin	1.031	20.62	7535.0	BBTM 11B	0.436	8.73	3292.7	
	Rellenos	2.226	44.53	11709.5					
104820.000	SCemento-1	3.414	68.28	23879.4	AC32 BaseG	1.282	25.66	9099.0	
	ZA	1.010	20.20	6561.0	SCemento-2	0.472	9.44	3550.1	
	AC22 bin	1.032	20.63	7555.6	BBTM 11B	0.437	8.73	3301.4	
	Rellenos	2.221	44.46	11754.0					
104840.000	SCemento-1	3.414	68.28	23947.7	AC32 BaseG	1.284	25.66	9124.6	
	ZA	1.010	20.20	6581.2	SCemento-2	0.472	9.44	3559.5	
	AC22 bin	1.031	20.63	7576.2	BBTM 11B	0.436	8.73	3310.1	
	Rellenos	2.210	44.31	11798.3					
104860.000	SCemento-1	3.414	68.28	24016.0	AC32 BaseG	1.284	25.68	9150.3	
	ZA	1.010	20.19	6601.4	SCemento-2	0.472	9.45	3569.0	
	AC22 bin	1.031	20.61	7596.9	BBTM 11B	0.435	8.72	3318.8	
	Rellenos	2.196	44.06	11842.4					

104920.000	ZA	1.010	20.20	6641.8	SCemento-2	0.472	9.44	3587.9
	AC22 bin	1.033	20.63	7638.1	BBTM 11B	0.435	8.73	3336.3
	Rellenos	2.149	43.24	11929.3				
104940.000	SCemento-1	3.413	68.27	24220.8	AC32 BaseG	1.284	25.66	9227.3
	ZA	1.010	20.20	6662.0	SCemento-2	0.472	9.44	3597.3
	AC22 bin	1.031	20.64	7658.7	BBTM 11B	0.436	8.72	3345.0
104960.000	Rellenos	2.124	42.73	11972.1				
	SCemento-1	3.414	68.27	24289.1	AC32 BaseG	1.284	25.68	9253.0
	ZA	1.010	20.20	6682.2	SCemento-2	0.472	9.44	3606.7
104980.000	AC22 bin	1.031	20.62	7679.4	BBTM 11B	0.436	8.73	3353.7
	Rellenos	2.106	42.30	12014.3				
	SCemento-1	3.414	68.29	24357.4	AC32 BaseG	1.284	25.68	9278.6
105000.000	ZA	1.009	20.19	6702.4	SCemento-2	0.472	9.44	3616.2
	AC22 bin	1.031	20.62	7700.0	BBTM 11B	0.436	8.73	3362.5
	Rellenos	2.094	42.00	12056.3				
105020.000	SCemento-1	3.415	68.29	24425.7	AC32 BaseG	1.284	25.68	9304.3
	ZA	1.009	20.18	6722.5	SCemento-2	0.471	9.43	3625.6
	AC22 bin	1.031	20.62	7720.6	BBTM 11B	0.436	8.72	3371.2
105040.000	Rellenos	2.090	41.84	12098.2				
	SCemento-1	3.417	68.33	24494.0	AC32 BaseG	1.283	25.67	9330.0
	ZA	1.009	20.18	6742.7	SCemento-2	0.469	9.40	3635.0
105060.000	AC22 bin	1.031	20.62	7741.2	BBTM 11B	0.437	8.73	3379.9
	Rellenos	2.094	41.84	12140.0				
	SCemento-1	3.419	68.37	24562.4	AC32 BaseG	1.283	25.66	9355.6
105080.000	ZA	1.009	20.18	6762.9	SCemento-2	0.467	9.36	3644.4
	AC22 bin	1.032	20.62	7761.9	BBTM 11B	0.436	8.74	3388.6
	Rellenos	1.724	38.18	12178.2				
105100.000	SCemento-1	3.422	68.42	24630.8	AC32 BaseG	1.284	25.67	9381.3
	ZA	1.003	20.12	6783.0	SCemento-2	0.465	9.32	3653.7
	AC22 bin	1.031	20.63	7782.5	BBTM 11B	0.435	8.72	3397.4
	Rellenos	1.540	32.64	12210.8				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 43
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
105060.000	SCemento-1	3.424	68.47	24699.3	AC32 BaseG	1.284	25.68	9407.0
	ZA	0.931	19.34	6802.4	SCemento-2	0.464	9.29	3663.0
	AC22 bin	1.031	20.63	7803.1	BBTM 11B	0.436	8.72	3406.1
	Rellenos	1.424	29.64	12240.5				
105080.000	SCemento-1	3.425	68.50	24767.7	AC32 BaseG	1.284	25.68	9432.7
	ZA	0.929	18.59	6820.9	SCemento-2	0.462	9.25	3672.2
	AC22 bin	1.032	20.64	7823.7	BBTM 11B	0.435	8.72	3414.8
	Rellenos	1.463	28.87	12269.4				
105100.000	SCemento-1	3.427	68.53	24836.3	AC32 BaseG	1.285	25.69	9458.4
	ZA	0.802	17.30	6838.2	SCemento-2	0.460	9.22	3681.5
	AC22 bin	1.030	20.63	7844.4	BBTM 11B	0.436	8.72	3423.5
	Rellenos	1.310	27.73	12297.1				
105120.000	SCemento-1	2.576	60.03	24896.3	AC32 BaseG	0.963	22.48	9480.9
	ZA	0.863	16.65	6854.9	SCemento-2	0.458	9.19	3690.6
	AC22 bin	0.907	19.38	7863.8	BBTM 11B	0.437	8.74	3432.3
	Rellenos	1.372	26.82	12323.9				
105140.000	SCemento-1	2.153	47.28	24943.6	AC32 BaseG	0.880	18.44	9499.3
	ZA	0.863	17.26	6872.2	SCemento-2	0.457	9.15	3699.8
	AC22 bin	0.887	17.94	7881.7	BBTM 11B	0.436	8.73	3441.0
	Rellenos	1.405	27.77	12351.7				
105160.000	SCemento-1	2.395	45.48	24989.1	AC32 BaseG	0.963	18.43	9517.7
	ZA	0.862	17.26	6889.4	SCemento-2	0.455	9.11	3708.9
	AC22 bin	0.919	18.06	7899.8	BBTM 11B	0.436	8.72	3449.7
	Rellenos	1.432	28.37	12380.0				
105180.000	SCemento-1	2.726	51.21	25040.3	AC32 BaseG	1.085	20.48	9538.2
	ZA	0.861	17.24	6906.7	SCemento-2	0.453	9.08	3718.0
	AC22 bin	0.985	19.04	7918.8	BBTM 11B	0.436	8.72	3458.4
	Rellenos	1.447	28.80	12408.8				
105200.000	SCemento-1	2.506	52.32	25092.6	AC32 BaseG	1.005	20.91	9559.1
	ZA	0.825	16.86	6923.5	SCemento-2	0.452	9.05	3727.0
	AC22 bin	0.933	19.18	7938.0	BBTM 11B	0.436	8.72	3467.1
	Rellenos	1.443	28.91	12437.7				
105220.000	SCemento-1	3.425	59.31	25151.9	AC32 BaseG	1.287	22.92	9582.0
	ZA	1.006	18.31	6941.8	SCemento-2	0.455	9.07	3736.1
	AC22 bin	1.031	19.64	7957.6	BBTM 11B	0.436	8.73	3475.9
	Rellenos	1.819	32.63	12470.4				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 44
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
105240.000	SCemento-1	2.536	59.61	25211.5	AC32 BaseG	1.046	23.32	9605.4
	ZA	1.009	20.15	6962.0	SCemento-2	0.452	9.07	3745.2
	AC22 bin	0.995	20.26	7977.9	BBTM 11B	0.436	8.72	3484.6
	Rellenos	1.655	34.75	12505.1				
105260.000	SCemento-1	2.179	47.15	25258.7	AC32 BaseG	0.978	20.23	9625.6
	ZA	0.832	18.41	6980.4	SCemento-2	0.452	9.04	3754.2
	AC22 bin	0.950	19.46	7997.3	BBTM 11B	0.437	8.73	3493.3
	Rellenos	1.280	29.36	12534.5				
105280.000	SCemento-1	2.530	47.10	25305.8	AC32 BaseG	1.165	21.43	9647.0

105300.000	ZA	0.698	15.30	6995.7	SCemento-2	0.452	9.04	3763.3
	AC22 bin	1.031	19.81	8017.1	BBTM 11B	0.436	8.73	3502.1
	Rellenos	1.486	27.66	12562.1				
105320.000	SCemento-1	2.813	53.43	25359.2	AC32 BaseG	1.236	24.01	9671.0
	ZA	0.699	13.97	7009.6	SCemento-2	0.452	9.04	3772.3
	AC22 bin	1.032	20.62	8037.8	BBTM 11B	0.435	8.72	3510.8
105340.000	Rellenos	1.500	29.86	12592.0				
	SCemento-1	3.425	62.37	25421.6	AC32 BaseG	1.288	25.24	9696.3
	ZA	0.907	16.06	7025.7	SCemento-2	0.452	9.04	3781.4
105360.000	AC22 bin	1.031	20.63	8058.4	BBTM 11B	0.436	8.72	3519.5
	Rellenos	1.869	33.69	12625.7				
	SCemento-1	3.425	68.50	25490.1	AC32 BaseG	1.288	25.75	9722.0
105380.000	ZA	0.918	18.25	7044.0	SCemento-2	0.452	9.04	3790.4
	AC22 bin	1.031	20.62	8079.0	BBTM 11B	0.436	8.73	3528.2
	Rellenos	1.888	37.58	12663.3				
105400.000	SCemento-1	2.768	61.93	25552.0	AC32 BaseG	1.177	24.65	9746.7
	ZA	0.889	18.07	7062.0	SCemento-2	0.452	9.04	3799.4
	AC22 bin	1.031	20.62	8099.6	BBTM 11B	0.436	8.73	3536.9
105420.000	Rellenos	1.758	36.46	12699.7				
	SCemento-1	2.550	53.18	25605.2	AC32 BaseG	1.154	23.31	9770.0
	ZA	0.783	16.73	7078.8	SCemento-2	0.452	9.04	3808.5
105440.000	AC22 bin	1.032	20.63	8120.3	BBTM 11B	0.435	8.72	3545.7
	Rellenos	1.612	33.70	12733.4				
	SCemento-1	2.296	48.45	25653.6	AC32 BaseG	1.034	21.88	9791.9
105460.000	ZA	0.799	15.82	7094.6	SCemento-2	0.452	9.04	3817.5
	AC22 bin	1.032	20.63	8140.9	BBTM 11B	0.436	8.72	3554.4
	Rellenos	1.548	31.60	12765.0				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 45
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
105420.000	SCemento-1	2.615	49.10	25702.7	AC32 BaseG	1.101	21.36	9813.2
	ZA	0.843	16.41	7111.0	SCemento-2	0.452	9.04	3826.6
	AC22 bin	1.026	20.58	8161.5	BBTM 11B	0.437	8.74	3563.1
	Rellenos	2.164	37.12	12802.2				
105440.000	SCemento-1	3.425	60.40	25763.1	AC32 BaseG	1.285	23.86	9837.1
	ZA	0.997	18.40	7129.4	SCemento-2	0.454	9.06	3835.6
	AC22 bin	1.031	20.58	8182.1	BBTM 11B	0.435	8.72	3571.8
	Rellenos	1.986	41.50	12843.7				
105460.000	SCemento-1	3.425	68.50	25831.6	AC32 BaseG	1.285	25.70	9862.8
	ZA	1.008	20.06	7149.5	SCemento-2	0.455	9.10	3844.7
	AC22 bin	1.031	20.62	8202.7	BBTM 11B	0.437	8.72	3580.6
	Rellenos	2.377	43.63	12887.3				
105480.000	SCemento-1	3.427	68.52	25900.1	AC32 BaseG	1.285	25.70	9888.5
	ZA	1.008	20.17	7169.6	SCemento-2	0.458	9.13	3853.9
	AC22 bin	1.031	20.62	8223.3	BBTM 11B	0.436	8.73	3589.3
	Rellenos	2.147	45.24	12932.5				
105500.000	SCemento-1	3.427	68.53	25968.7	AC32 BaseG	1.284	25.68	9914.2
	ZA	0.849	18.57	7188.2	SCemento-2	0.459	9.17	3863.0
	AC22 bin	1.031	20.62	8243.9	BBTM 11B	0.436	8.73	3598.0
	Rellenos	1.542	36.89	12969.4				
105520.000	SCemento-1	3.427	68.54	26037.2	AC32 BaseG	1.285	25.68	9939.9
	ZA	0.864	17.12	7205.3	SCemento-2	0.461	9.20	3872.2
	AC22 bin	1.030	20.62	8264.5	BBTM 11B	0.437	8.73	3606.7
	Rellenos	1.568	31.10	13000.5				
105540.000	SCemento-1	3.425	68.53	26105.8	AC32 BaseG	1.283	25.68	9965.5
	ZA	0.865	17.28	7222.6	SCemento-2	0.462	9.23	3881.5
	AC22 bin	1.032	20.62	8285.2	BBTM 11B	0.436	8.73	3615.5
	Rellenos	1.567	31.35	13031.9				
105560.000	SCemento-1	3.423	68.49	26174.2	AC32 BaseG	1.283	25.66	9991.2
	ZA	0.865	17.29	7239.9	SCemento-2	0.464	9.26	3890.7
	AC22 bin	1.032	20.64	8305.8	BBTM 11B	0.437	8.74	3624.2
	Rellenos	1.562	31.29	13063.2				
105580.000	SCemento-1	3.422	68.45	26242.7	AC32 BaseG	1.284	25.67	10016.9
	ZA	0.866	17.30	7257.2	SCemento-2	0.466	9.30	3900.0
	AC22 bin	1.031	20.63	8326.4	BBTM 11B	0.436	8.73	3632.9
	Rellenos	1.557	31.18	13094.3				

105680.000	ZA	0.868	17.36	7326.5	SCemento-2	0.471	9.43	3937.6
	AC22 bin	1.033	20.64	8409.0	BBTM 11B	0.435	8.71	3667.8
	Rellenos	1.538	30.77	13218.0				
105700.000	SCemento-1	3.414	68.28	26584.3	AC32 BaseG	1.283	25.66	10145.2
	ZA	0.868	17.36	7343.9	SCemento-2	0.471	9.43	3947.0
	AC22 bin	1.033	20.66	8429.6	BBTM 11B	0.435	8.71	3676.5
105720.000	Rellenos	1.538	30.76	13248.7				
	SCemento-1	2.777	61.91	26646.3	AC32 BaseG	1.247	25.30	10170.5
	ZA	0.868	17.36	7361.3	SCemento-2	0.472	9.43	3956.4
105740.000	AC22 bin	1.031	20.64	8450.3	BBTM 11B	0.436	8.72	3685.2
	Rellenos	1.537	30.75	13279.5				
	SCemento-1	1.875	46.52	26692.8	AC32 BaseG	1.019	22.66	10193.1
105760.000	ZA	0.868	17.36	7378.6	SCemento-2	0.471	9.43	3965.9
	AC22 bin	1.032	20.63	8470.9	BBTM 11B	0.435	8.72	3694.0
	Rellenos	1.538	30.75	13310.2				
105740.000	SCemento-1	1.603	34.78	26727.6	AC32 BaseG	0.703	17.22	10210.4
	ZA	0.840	17.08	7395.7	SCemento-2	0.472	9.43	3975.3
	AC22 bin	0.940	19.72	8490.6	BBTM 11B	0.435	8.71	3702.7
105760.000	Rellenos	1.536	30.74	13341.0				
	SCemento-1	1.593	31.96	26759.5	AC32 BaseG	0.589	12.92	10223.3
	ZA	1.010	18.51	7414.2	SCemento-2	0.472	9.44	3984.7
105760.000	AC22 bin	0.786	17.26	8507.9	BBTM 11B	0.437	8.73	3711.4
	Rellenos	2.461	39.97	13380.9				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 47

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
105780.000	SCemento-1	1.776	33.69	26793.2	AC32 BaseG	0.755	13.44	10236.7
	ZA	1.010	20.21	7434.4	SCemento-2	0.472	9.44	3994.2
	AC22 bin	0.840	16.25	8524.1	BBTM 11B	0.437	8.75	3720.1
	Rellenos	2.461	49.22	13430.2				
105800.000	SCemento-1	2.157	39.33	26832.5	AC32 BaseG	0.802	15.57	10252.3
	ZA	1.010	20.20	7454.6	SCemento-2	0.472	9.43	4003.6
	AC22 bin	0.831	16.71	8540.9	BBTM 11B	0.436	8.74	3728.9
	Rellenos	2.461	49.22	13479.4				
105820.000	SCemento-1	3.414	55.71	26888.3	AC32 BaseG	1.283	20.85	10273.1
	ZA	1.010	20.20	7474.8	SCemento-2	0.472	9.43	4013.0
	AC22 bin	1.033	18.64	8559.5	BBTM 11B	0.435	8.72	3737.6
	Rellenos	2.462	49.23	13528.6				
105840.000	SCemento-1	3.414	68.28	26956.5	AC32 BaseG	1.284	25.66	10298.8
	ZA	1.010	20.20	7495.0	SCemento-2	0.471	9.43	4022.5
	AC22 bin	1.032	20.65	8580.1	BBTM 11B	0.435	8.71	3746.3
	Rellenos	2.089	45.50	13574.1				
105860.000	SCemento-1	3.414	68.28	27024.8	AC32 BaseG	1.284	25.68	10324.5
	ZA	0.820	18.30	7513.3	SCemento-2	0.472	9.44	4031.9
	AC22 bin	1.031	20.63	8600.8	BBTM 11B	0.435	8.71	3755.0
	Rellenos	1.525	36.13	13610.2				
105880.000	SCemento-1	3.414	68.28	27093.1	AC32 BaseG	1.283	25.67	10350.2
	ZA	0.860	16.80	7530.1	SCemento-2	0.472	9.44	4041.4
	AC22 bin	1.031	20.62	8621.4	BBTM 11B	0.436	8.72	3763.7
	Rellenos	1.538	30.62	13640.9				
105900.000	SCemento-1	3.413	68.27	27161.4	AC32 BaseG	1.283	25.66	10375.8
	ZA	0.857	17.17	7547.3	SCemento-2	0.472	9.44	4050.8
	AC22 bin	1.031	20.62	8642.0	BBTM 11B	0.438	8.74	3772.5
	Rellenos	1.537	30.75	13671.6				
105920.000	SCemento-1	3.414	68.27	27229.6	AC32 BaseG	1.284	25.67	10401.5
	ZA	0.852	17.09	7564.4	SCemento-2	0.472	9.44	4060.2
	AC22 bin	1.031	20.62	8662.6	BBTM 11B	0.436	8.74	3781.2
	Rellenos	1.538	30.75	13702.4				
105940.000	SCemento-1	3.414	68.28	27297.9	AC32 BaseG	1.283	25.67	10427.2
	ZA	0.868	17.19	7581.6	SCemento-2	0.472	9.44	4069.7
	AC22 bin	1.031	20.62	8683.3	BBTM 11B	0.436	8.73	3789.9
	Rellenos	1.538	30.75	13733.1				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 48

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
105960.000	SCemento-1	3.414	68.28	27366.2	AC32 BaseG	1.282	25.65	10452.8
	ZA	0.868	17.36	7598.9	SCemento-2	0.472	9.44	4079.1
	AC22 bin	1.032	20.63	8703.9	BBTM 11B	0.437	8.73	3798.7
	Rellenos	1.538	30.76	13763.9				
105980.000	SCemento-1	3.415	68.29	27434.5	AC32 BaseG	1.284	25.66	10478.5
	ZA	0.868	17.36	7616.3	SCemento-2	0.472	9.44	4088.6
	AC22 bin	1.031	20.63	8724.5	BBTM 11B	0.435	8.72	3807.4
	Rellenos	1.538	30.75	13794.6				
106000.000	SCemento-1	3.413	68.28	27502.8	AC32 BaseG	1.284	25.68	10504.2
	ZA	0.868	17.36	7633.7	SCemento-2	0.472	9.44	4098.0
	AC22 bin	1.031	20.62	8745.1	BBTM 11B	0.436	8.72	3816.1
	Rellenos	1.537	30.75	13825.4				
106020.000	SCemento-1	3.414	68.27	27571.0	AC32 BaseG	1.284	25.68	10529.8
	ZA	0.868	17.36	7651.0	SCemento-2	0.472	9.44	4107.4
	AC22 bin	1.031	20.62	8765.8	BBTM 11B	0.436	8.73	3824.8
	Rellenos	1.537	30.75	13856.1				
106040.000	SCemento-1	3.414	68.27	27639.3	AC32 BaseG	1.283	25.67	10555.5

106060.000	ZA	0.868	17.35	7668.4	SCemento-2	0.472	9.44	4116.9
	AC22 bin	1.031	20.62	8786.4	BBTM 11B	0.436	8.73	3833.6
	Rellenos	1.538	30.75	13886.9				
106080.000	SCemento-1	3.414	68.28	27707.6	AC32 BaseG	1.282	25.65	10581.2
	ZA	0.868	17.35	7685.7	SCemento-2	0.472	9.44	4126.3
	AC22 bin	1.032	20.63	8807.0	BBTM 11B	0.437	8.73	3842.3
106100.000	Rellenos	1.538	30.76	13917.6				
	SCemento-1	3.415	68.29	27775.9	AC32 BaseG	1.284	25.66	10606.8
	ZA	0.872	17.39	7703.1	SCemento-2	0.472	9.44	4135.8
106120.000	AC22 bin	1.031	20.63	8827.6	BBTM 11B	0.435	8.72	3851.0
	Rellenos	1.754	32.92	13950.6				
	SCemento-1	3.413	68.28	27844.2	AC32 BaseG	1.284	25.68	10632.5
106120.000	ZA	0.776	16.48	7719.6	SCemento-2	0.472	9.44	4145.2
	AC22 bin	1.031	20.62	8848.2	BBTM 11B	0.436	8.72	3859.7
	Rellenos	1.590	33.44	13984.0				
106120.000	SCemento-1	3.414	68.27	27912.4	AC32 BaseG	1.284	25.68	10658.2
	ZA	0.803	15.79	7735.4	SCemento-2	0.472	9.44	4154.6
	AC22 bin	1.031	20.62	8868.9	BBTM 11B	0.436	8.73	3868.5
	Rellenos	1.659	32.49	14016.5				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 49

PROYECTO :

EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.

Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106140.000	SCemento-1	3.414		68.27	27980.7	AC32 BaseG	1.283		25.67	10683.8
	ZA	0.927		17.30	7752.7	SCemento-2	0.472		9.44	4164.1
	AC22 bin	1.031		20.62	8889.5	BBTM 11B	0.436		8.73	3877.2
	Rellenos	1.943		36.02	14052.5					
106160.000	SCemento-1	3.414		68.28	28049.0	AC32 BaseG	1.282		25.65	10709.5
	ZA	0.910		18.37	7771.1	SCemento-2	0.472		9.44	4173.5
	AC22 bin	1.032		20.63	8910.1	BBTM 11B	0.437		8.73	3885.9
	Rellenos	1.906		38.49	14091.0					
106180.000	SCemento-1	3.415		68.29	28117.3	AC32 BaseG	1.284		25.66	10735.1
	ZA	0.848		17.58	7788.6	SCemento-2	0.472		9.44	4183.0
	AC22 bin	1.031		20.63	8930.7	BBTM 11B	0.435		8.72	3894.6
	Rellenos	1.769		36.74	14127.7					
106200.000	SCemento-1	3.413		68.28	28185.6	AC32 BaseG	1.284		25.68	10760.8
	ZA	0.846		16.94	7805.6	SCemento-2	0.472		9.44	4192.4
	AC22 bin	1.031		20.62	8951.4	BBTM 11B	0.436		8.72	3903.4
	Rellenos	1.837		36.06	14163.8					
106220.000	SCemento-1	3.414		68.27	28253.8	AC32 BaseG	1.282		25.66	10786.5
	ZA	0.841		16.87	7822.5	SCemento-2	0.472		9.44	4201.9
	AC22 bin	1.033		20.64	8972.0	BBTM 11B	0.435		8.72	3912.1
	Rellenos	1.811		36.48	14200.3					
106240.000	SCemento-1	3.414		68.28	28322.1	AC32 BaseG	1.283		25.66	10812.1
	ZA	0.840		16.82	7839.3	SCemento-2	0.472		9.44	4211.3
	AC22 bin	1.031		20.64	8992.6	BBTM 11B	0.436		8.72	3920.8
	Rellenos	1.812		36.23	14236.5					
106260.000	SCemento-1	3.414		68.28	28390.4	AC32 BaseG	1.284		25.67	10837.8
	ZA	0.936		17.76	7857.0	SCemento-2	0.472		9.44	4220.7
	AC22 bin	1.031		20.62	9013.3	BBTM 11B	0.436		8.73	3929.5
	Rellenos	1.993		38.05	14274.6					
106280.000	SCemento-1	3.414		68.28	28458.7	AC32 BaseG	1.283		25.67	10863.5
	ZA	0.927		18.63	7875.7	SCemento-2	0.472		9.44	4230.2
	AC22 bin	1.031		20.62	9033.9	BBTM 11B	0.436		8.73	3938.3
	Rellenos	1.943		39.36	14313.9					
106300.000	SCemento-1	3.414		68.28	28526.9	AC32 BaseG	1.282		25.65	10889.1
	ZA	0.897		18.25	7893.9	SCemento-2	0.472		9.44	4239.6
	AC22 bin	1.032		20.63	9054.5	BBTM 11B	0.437		8.73	3947.0
	Rellenos	1.879		38.22	14352.1					

106820.000	ZA	0.868	17.35	8343.6	SCemento-2	0.472	9.44	4475.5
	AC22 bin	1.032	20.63	9565.8	BBTM 11B	0.437	8.73	4165.1
	Rellenos	1.460	29.18	15175.8				
	SCemento-1	2.747	54.47	30023.1	AC32 BaseG	1.232	24.09	11496.5
	ZA	0.868	17.36	8361.0	SCemento-2	0.471	9.43	4485.0
106840.000	AC22 bin	1.032	20.64	9586.5	BBTM 11B	0.436	8.73	4173.8
	Rellenos	1.463	29.23	15205.1				
	SCemento-1	1.945	46.92	30070.0	AC32 BaseG	0.993	22.25	11518.7
	ZA	0.868	17.36	8378.4	SCemento-2	0.472	9.44	4494.4
	AC22 bin	1.031	20.62	9607.1	BBTM 11B	0.436	8.72	4182.5
	Rellenos	1.468	29.31	15234.4				

Istram 18.05.05.29 17/07/18 18:00:43 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Duero-Cigales Izq.

pagina 53

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
106860.000	SCemento-1	1.806	37.51	30107.5	AC32 BaseG	0.807	18.00	11536.7
	ZA	0.868	17.36	8395.7	SCemento-2	0.472	9.44	4503.8
	AC22 bin	0.918	19.48	9626.6	BBTM 11B	0.435	8.72	4191.2
	Rellenos	1.473	29.41	15263.8				
106880.000	SCemento-1	2.005	38.11	30145.6	AC32 BaseG	0.866	16.74	11553.5
	ZA	0.868	17.36	8413.1	SCemento-2	0.472	9.44	4513.3
	AC22 bin	0.912	18.30	9644.9	BBTM 11B	0.436	8.72	4200.0
	Rellenos	1.477	29.50	15293.3				
106900.000	SCemento-1	2.519	45.23	30190.9	AC32 BaseG	0.928	17.95	11571.4
	ZA	0.867	17.35	8430.4	SCemento-2	0.472	9.44	4522.7
	AC22 bin	0.912	18.24	9663.1	BBTM 11B	0.436	8.73	4208.7
	Rellenos	1.482	29.59	15322.9				
106920.000	SCemento-1	1.622	41.41	30232.3	AC32 BaseG	0.593	15.22	11586.6
	ZA	0.867	17.34	8447.8	SCemento-2	0.471	9.43	4532.2
	AC22 bin	0.795	17.07	9680.2	BBTM 11B	0.435	8.71	4217.4
	Rellenos	1.486	29.68	15352.6				
106940.000	SCemento-1	1.617	32.39	30264.7	AC32 BaseG	0.686	12.80	11599.4
	ZA	0.866	17.33	8465.1	SCemento-2	0.472	9.43	4541.6
	AC22 bin	0.976	17.71	9697.9	BBTM 11B	0.436	8.71	4226.1
	Rellenos	1.490	29.76	15382.3				
106960.000	SCemento-1	1.626	32.42	30297.1	AC32 BaseG	0.932	16.18	11615.6
	ZA	0.858	17.24	8482.3	SCemento-2	0.472	9.44	4551.0
	AC22 bin	1.031	20.07	9718.0	BBTM 11B	0.436	8.73	4234.8
	Rellenos	1.494	29.84	15412.2				
106980.000	SCemento-1	1.623	32.49	30329.6	AC32 BaseG	0.938	18.70	11634.3
	ZA	0.849	17.07	8499.4	SCemento-2	0.472	9.43	4560.5
	AC22 bin	1.032	20.63	9738.6	BBTM 11B	0.435	8.72	4243.6
	Rellenos	1.498	29.92	15442.1				
107000.000	SCemento-1	2.120	37.43	30367.0	AC32 BaseG	1.180	21.19	11655.5
	ZA	0.868	17.17	8516.6	SCemento-2	0.472	9.44	4569.9
	AC22 bin	1.031	20.63	9759.2	BBTM 11B	0.436	8.72	4252.3
	Rellenos	1.501	29.99	15472.1				
107020.000	SCemento-1	3.414	55.34	30422.3	AC32 BaseG	1.282	24.62	11680.1
	ZA	0.868	17.36	8533.9	SCemento-2	0.472	9.44	4579.3
	AC22 bin	1.031	20.62	9779.9	BBTM 11B	0.438	8.74	4261.0
	Rellenos	1.505	30.05	15502.1				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * *          CAPAS DE FIRME          * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
107040.000	SCemento-1	3.414	68.28	30490.6	AC32 BaseG	1.284	25.66	11705.8	
	ZA	0.868	17.36	8551.3	SCemento-2	0.471	9.44	4588.8	
	AC22 bin	1.032	20.63	9800.5	BBTM 11B	0.436	8.73	4269.8	
	Rellenos	1.508	30.13	15532.2					
107060.000	SCemento-1	2.638	60.52	30551.2	AC32 BaseG	1.146	24.30	11730.1	
	ZA	0.868	17.35	8568.6	SCemento-2	0.472	9.44	4598.2	
	AC22 bin	1.031	20.62	9821.1	BBTM 11B	0.436	8.72	4278.5	
	Rellenos	1.511	30.19	15562.4					
107080.000	SCemento-1	3.414	60.52	30611.7	AC32 BaseG	1.282	24.28	11754.4	
	ZA	0.868	17.35	8586.0	SCemento-2	0.472	9.44	4607.7	
	AC22 bin	1.032	20.63	9841.7	BBTM 11B	0.437	8.73	4287.2	
	Rellenos	1.514	30.24	15592.7					
107100.000	SCemento-1	2.081	54.95	30666.6	AC32 BaseG	1.110	23.92	11778.3	
	ZA	0.868	17.36	8603.4	SCemento-2	0.472	9.44	4617.1	
	AC22 bin	1.031	20.63	9862.4	BBTM 11B	0.436	8.73	4295.9	
	Rellenos	1.516	30.30	15623.0					
107120.000	SCemento-1	2.522	46.03	30712.7	AC32 BaseG	1.115	22.26	11800.5	
	ZA	0.868	17.36	8620.7	SCemento-2	0.472	9.43	4626.5	
	AC22 bin	1.031	20.63	9883.0	BBTM 11B	0.436	8.73	4304.7	
	Rellenos	1.519	30.36	15653.3					
107140.000	SCemento-1	2.014	45.37	30758.0	AC32 BaseG	0.977	20.92	11821.5	
	ZA	0.868	17.36	8638.1	SCemento-2	0.471	9.43	4636.0	
	AC22 bin	1.033	20.64	9903.6	BBTM 11B	0.435	8.72	4313.4	
	Rellenos	1.522	30.41	15683.7					
107160.000	SCemento-1	2.527	45.41	30803.4	AC32 BaseG	0.960	19.36	11840.8	
	ZA	0.868	17.36	8655.4	SCemento-2	0.472	9.44	4645.4	
	AC22 bin	1.030	20.63	9924.3	BBTM 11B	0.436	8.72	4322.1	
	Rellenos	1.521	30.43	15714.2					
107180.000	SCemento-1	1.620	41.47	30844.9	AC32 BaseG	0.710	16.70	11857.5	

107200.000	ZA	0.805	16.73	8672.2	SCemento-2	0.472	9.44	4654.8
	AC22 bin	0.960	19.91	9944.2	BBTM 11B	0.436	8.73	4330.8
	Rellenos	1.079	26.00	15740.2				
	SCemento-1	1.631	32.51	30877.4	AC32 BaseG	0.623	13.33	11870.8
	ZA	0.860	16.65	8688.8	SCemento-2	0.471	9.43	4664.3
	AC22 bin	0.813	17.73	9961.9	BBTM 11B	0.435	8.72	4339.5
	Rellenos	1.138	22.18	15762.3				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 55

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107220.000	SCemento-1	1.658	32.89	30910.3	AC32 BaseG	0.586	12.09	11882.9
	ZA	0.868	17.28	8706.1	SCemento-2	0.472	9.44	4673.7
	AC22 bin	0.714	15.28	9977.2	BBTM 11B	0.436	8.72	4348.3
	Rellenos	1.529	26.68	15789.0				
107240.000	SCemento-1	2.054	37.12	30947.4	AC32 BaseG	0.740	13.25	11896.2
	ZA	0.862	17.30	8723.4	SCemento-2	0.471	9.44	4683.1
	AC22 bin	0.710	14.24	9991.4	BBTM 11B	0.438	8.74	4357.0
	Rellenos	1.531	30.60	15819.6				
107260.000	-	0.001	0.01	0.1	SCemento-1	2.602	46.55	30994.0
	AC32 BaseG	0.960	16.99	11913.2	ZA	0.868	17.30	8740.7
	SCemento-2	0.471	9.43	4692.6	AC22 bin	0.807	15.17	10006.6
	BBTM 11B	0.435	8.73	4365.7	Rellenos	1.532	30.63	15850.3
107280.000	SCemento-1	3.414	60.15	31054.1	AC32 BaseG	1.284	22.43	11935.6
	ZA	0.868	17.36	8758.0	SCemento-2	0.472	9.44	4702.0
	AC22 bin	1.031	18.38	10025.0	BBTM 11B	0.436	8.72	4374.4
	Rellenos	1.533	30.66	15880.9				
107300.000	SCemento-1	3.414	68.28	31122.4	AC32 BaseG	1.282	25.66	11961.3
	ZA	0.868	17.36	8775.4	SCemento-2	0.472	9.44	4711.4
	AC22 bin	1.032	20.63	10045.6	BBTM 11B	0.437	8.73	4383.2
	Rellenos	1.535	30.68	15911.6				
107320.000	SCemento-1	3.414	68.28	31190.7	AC32 BaseG	1.284	25.66	11986.9
	ZA	0.868	17.36	8792.8	SCemento-2	0.471	9.43	4720.9
	AC22 bin	1.032	20.64	10066.2	BBTM 11B	0.436	8.73	4391.9
	Rellenos	1.536	30.71	15942.3				
107340.000	SCemento-1	3.414	68.28	31259.0	AC32 BaseG	1.284	25.67	12012.6
	ZA	0.867	17.35	8810.1	SCemento-2	0.472	9.44	4730.3
	AC22 bin	1.031	20.62	10086.9	BBTM 11B	0.436	8.72	4400.6
	Rellenos	1.536	30.72	15973.0				
107360.000	SCemento-1	3.413	68.27	31327.2	AC32 BaseG	1.284	25.68	12038.3
	ZA	0.866	17.33	8827.4	SCemento-2	0.472	9.44	4739.8
	AC22 bin	1.031	20.62	10107.5	BBTM 11B	0.436	8.73	4409.4
	Rellenos	1.537	30.73	16003.7				
107380.000	SCemento-1	3.414	68.27	31395.5	AC32 BaseG	1.284	25.68	12064.0
	ZA	0.862	17.28	8844.7	SCemento-2	0.472	9.43	4749.2
	AC22 bin	1.032	20.63	10128.1	BBTM 11B	0.435	8.72	4418.1
	Rellenos	1.538	30.75	16034.5				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 56

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107400.000	SCemento-1	3.414	68.28	31463.8	AC32 BaseG	1.282	25.66	12089.6
	ZA	0.856	17.18	8861.9	SCemento-2	0.472	9.43	4758.6
	AC22 bin	1.032	20.64	10148.8	BBTM 11B	0.437	8.72	4426.8
	Rellenos	1.538	30.76	16065.3				
107420.000	SCemento-1	3.414	68.29	31532.1	AC32 BaseG	1.284	25.66	12115.3
	ZA	0.849	17.05	8878.9	SCemento-2	0.472	9.44	4768.1
	AC22 bin	1.031	20.63	10169.4	BBTM 11B	0.435	8.72	4435.5
	Rellenos	1.537	30.75	16096.0				
107440.000	SCemento-1	3.414	68.28	31600.4	AC32 BaseG	1.283	25.67	12141.0
	ZA	0.848	16.97	8895.9	SCemento-2	0.472	9.44	4777.5
	AC22 bin	1.030	20.61	10190.0	BBTM 11B	0.436	8.72	4444.2
	Rellenos	1.537	30.74	16126.8				
107460.000	SCemento-1	3.414	68.28	31668.6	AC32 BaseG	1.282	25.66	12166.6
	ZA	0.839	16.87	8912.8	SCemento-2	0.472	9.44	4787.0
	AC22 bin	1.032	20.62	10210.6	BBTM 11B	0.437	8.73	4453.0
	Rellenos	1.536	30.73	16157.5				
107480.000	SCemento-1	3.414	68.28	31736.9	AC32 BaseG	1.283	25.65	12192.3
	ZA	0.839	16.78	8929.6	SCemento-2	0.471	9.43	4796.4
	AC22 bin	1.033	20.65	10231.3	BBTM 11B	0.435	8.72	4461.7
	Rellenos	1.536	30.72	16188.2				
107500.000	SCemento-1	3.414	68.28	31805.2	AC32 BaseG	1.284	25.67	12217.9
	ZA	0.835	16.75	8946.3	SCemento-2	0.472	9.44	4805.8
	AC22 bin	1.031	20.64	10251.9	BBTM 11B	0.435	8.71	4470.4
	Rellenos	1.534	30.70	16218.9				
107520.000	SCemento-1	3.413	68.27	31873.5	AC32 BaseG	1.284	25.68	12243.6
	ZA	0.833	16.68	8963.0	SCemento-2	0.472	9.44	4815.3
	AC22 bin	1.031	20.62	10272.5	BBTM 11B	0.436	8.72	4479.1
	Rellenos	1.533	30.67	16249.6				
107540.000	SCemento-1	3.414	68.28	31941.8	AC32 BaseG	1.282	25.66	12269.3
	ZA	0.831	16.63	8979.6	SCemento-2	0.472	9.44	4824.7
	AC22 bin	1.032	20.63	10293.1	BBTM 11B	0.437	8.73	4487.8
	Rellenos	1.532	30.65	16280.2				
107560.000	SCemento-1	3.414	68.29	32010.0	AC32 BaseG	1.282	25.64	12294.9

ZA	0.829	16.60	8996.2	SCemento-2	0.472	9.44	4834.1
AC22 bin	1.033	20.64	10313.8	BBTM 11B	0.435	8.72	4496.6
Rellenos	1.531	30.64	16310.9				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 57

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107580.000	SCemento-1	3.414	68.28	32078.3	AC32 BaseG	1.282	25.64	12320.5
	ZA	0.828	16.57	9012.8	SCemento-2	0.472	9.44	4843.6
	AC22 bin	1.031	20.63	10334.4	BBTM 11B	0.438	8.73	4505.3
	Rellenos	1.530	30.62	16341.5				
107600.000	SCemento-1	3.414	68.28	32146.6	AC32 BaseG	1.282	25.64	12346.2
	ZA	0.828	16.56	9029.4	SCemento-2	0.472	9.44	4853.0
	AC22 bin	1.031	20.62	10355.0	BBTM 11B	0.438	8.75	4514.0
	Rellenos	1.531	30.61	16372.1				
107620.000	SCemento-1	3.413	68.27	32214.9	AC32 BaseG	1.284	25.66	12371.8
	ZA	0.828	16.56	9045.9	SCemento-2	0.472	9.44	4862.5
	AC22 bin	1.031	20.62	10375.7	BBTM 11B	0.436	8.74	4522.8
	Rellenos	1.530	30.61	16402.7				
107640.000	SCemento-1	3.413	68.26	32283.1	AC32 BaseG	1.284	25.69	12397.5
	ZA	0.829	16.58	9062.5	SCemento-2	0.472	9.44	4871.9
	AC22 bin	1.031	20.62	10396.3	BBTM 11B	0.436	8.73	4531.5
	Rellenos	1.531	30.61	16433.3				
107660.000	SCemento-1	2.394	58.07	32341.2	AC32 BaseG	0.877	21.61	12419.1
	ZA	0.831	16.60	9079.1	SCemento-2	0.472	9.44	4881.3
	AC22 bin	0.762	17.93	10414.2	BBTM 11B	0.436	8.72	4540.2
	Rellenos	1.532	30.63	16463.9				
107680.000	SCemento-1	2.618	50.12	32391.3	AC32 BaseG	0.967	18.43	12437.6
	ZA	0.833	16.64	9095.7	SCemento-2	0.472	9.44	4890.8
	AC22 bin	0.825	15.87	10430.1	BBTM 11B	0.436	8.72	4548.9
	Rellenos	1.533	30.65	16494.6				
107700.000	SCemento-1	2.448	50.66	32442.0	AC32 BaseG	0.898	18.65	12456.2
	ZA	0.836	16.70	9112.4	SCemento-2	0.472	9.44	4900.2
	AC22 bin	0.831	16.56	10446.7	BBTM 11B	0.436	8.73	4557.7
	Rellenos	1.535	30.68	16525.3				
107720.000	SCemento-1	2.422	48.70	32490.7	AC32 BaseG	0.889	17.87	12474.1
	ZA	0.840	16.76	9129.2	SCemento-2	0.472	9.44	4909.7
	AC22 bin	0.836	16.67	10463.3	BBTM 11B	0.436	8.73	4566.4
	Rellenos	1.536	30.70	16556.0				
107740.000	SCemento-1	2.469	48.91	32539.6	AC32 BaseG	0.906	17.94	12492.0
	ZA	0.844	16.84	9146.0	SCemento-2	0.471	9.43	4919.1
	AC22 bin	0.835	16.72	10480.0	BBTM 11B	0.435	8.72	4575.1
	Rellenos	1.537	30.73	16586.7				

Istram 18.05.05.29 17/07/18 18:00:43 459 pagina 58

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
107760.000	SCemento-1	2.242	47.11	32586.7	AC32 BaseG	0.816	17.22	12509.3
	ZA	0.849	16.94	9163.0	SCemento-2	0.472	9.43	4928.5
	AC22 bin	0.774	16.09	10496.1	BBTM 11B	0.436	8.72	4583.8
	Rellenos	1.537	30.75	16617.5				
107780.000	SCemento-1	1.952	41.94	32628.6	AC32 BaseG	0.698	15.14	12524.4
	ZA	0.858	17.08	9180.1	SCemento-2	0.472	9.44	4938.0
	AC22 bin	0.695	14.69	10510.8	BBTM 11B	0.435	8.72	4592.6
	Rellenos	1.538	30.75	16648.2				
107800.000	SCemento-1	2.196	41.47	32670.1	AC32 BaseG	0.797	14.96	12539.4
	ZA	0.863	17.22	9197.3	SCemento-2	0.472	9.44	4947.4
	AC22 bin	0.739	14.34	10525.2	BBTM 11B	0.436	8.72	46

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 59

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
107940.000	SCemento-1	3.414	68.28	33027.6	AC32 BaseG	1.284	25.67	12680.6	
	ZA	0.868	17.36	9323.9	SCemento-2	0.471	9.44	5013.5	
	AC22 bin	1.032	20.63	10654.6	BBTM 11B	0.435	8.72	4662.3	
	Rellenos	1.538	30.75	16917.4					
107960.000	SCemento-1	3.414	68.28	33095.9	AC32 BaseG	1.282	25.66	12706.3	
	ZA	0.868	17.36	9341.3	SCemento-2	0.472	9.43	5022.9	
	AC22 bin	1.031	20.63	10675.2	BBTM 11B	0.438	8.73	4671.1	
	Rellenos	1.538	30.76	16948.2					
107980.000	SCemento-1	3.414	68.28	33164.2	AC32 BaseG	1.283	25.65	12731.9	
	ZA	0.868	17.36	9358.6	SCemento-2	0.472	9.44	5032.4	
	AC22 bin	1.031	20.62	10695.9	BBTM 11B	0.436	8.74	4679.8	
	Rellenos	1.537	30.75	16979.0					
108000.000	SCemento-1	3.414	68.28	33232.5	AC32 BaseG	1.284	25.67	12757.6	
	ZA	0.868	17.36	9376.0	SCemento-2	0.471	9.44	5041.8	
	AC22 bin	1.032	20.63	10716.5	BBTM 11B	0.435	8.72	4688.5	
	Rellenos	1.538	30.75	17009.7					
108020.000	SCemento-1	3.413	68.27	33300.7	AC32 BaseG	1.284	25.68	12783.3	
	ZA	0.868	17.36	9393.3	SCemento-2	0.472	9.43	5051.2	
	AC22 bin	1.031	20.63	10737.1	BBTM 11B	0.436	8.72	4697.2	
	Rellenos	1.537	30.75	17040.5					
108040.000	SCemento-1	3.414	68.27	33369.0	AC32 BaseG	1.284	25.68	12809.0	
	ZA	0.868	17.36	9410.7	SCemento-2	0.472	9.44	5060.7	
	AC22 bin	1.031	20.62	10757.8	BBTM 11B	0.435	8.72	4706.0	
	Rellenos	1.537	30.75	17071.2					
108060.000	SCemento-1	3.413	68.27	33437.3	AC32 BaseG	1.283	25.67	12834.7	
	ZA	0.868	17.36	9428.1	SCemento-2	0.472	9.44	5070.1	
	AC22 bin	1.031	20.62	10778.4	BBTM 11B	0.438	8.73	4714.7	
	Rellenos	1.537	30.75	17101.9					
108080.000	SCemento-1	3.414	68.27	33505.6	AC32 BaseG	1.284	25.67	12860.3	
	ZA	0.868	17.36	9445.4	SCemento-2	0.472	9.44	5079.6	
	AC22 bin	1.031	20.62	10799.0	BBTM 11B	0.435	8.73	4723.4	
	Rellenos	1.537	30.75	17132.7					
108100.000	SCemento-1	3.414	68.28	33573.8	AC32 BaseG	1.284	25.68	12886.0	
	ZA	0.868	17.36	9462.8	SCemento-2	0.472	9.45	5089.0	
	AC22 bin	1.031	20.61	10819.6	BBTM 11B	0.436	8.72	4732.1	
	Rellenos	1.537	30.75	17163.4					

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 60

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
108120.000	SCemento-1	3.414	68.27	33642.1	AC32 BaseG	1.284	25.67	12911.7	
	ZA	0.868	17.36	9480.1	SCemento-2	0.472	9.44	5098.5	
	AC22 bin	1.030	20.61	10840.2	BBTM 11B	0.436	8.73	4740.9	
	Rellenos	1.537	30.75	17194.2					
108140.000	SCemento-1	3.413	68.27	33710.4	AC32 BaseG	1.284	25.68	12937.3	
	ZA	0.868	17.36	9497.5	SCemento-2	0.472	9.44	5107.9	
	AC22 bin	1.031	20.62	10860.8	BBTM 11B	0.436	8.73	4749.6	
	Rellenos	1.537	30.75	17224.9					
108160.000	SCemento-1	3.414	68.28	33778.6	AC32 BaseG	1.284	25.68	12963.0	
	ZA	0.868	17.36	9514.8	SCemento-2	0.472	9.44	5117.3	
	AC22 bin	1.031	20.62	10881.4	BBTM 11B	0.435	8.72	4758.3	
	Rellenos	1.537	30.75	17255.7					
108180.000	SCemento-1	3.414	68.29	33846.9	AC32 BaseG	1.284	25.68	12988.7	
	ZA	0.868	17.35	9532.2	SCemento-2	0.472	9.45	5126.8	
	AC22 bin	1.031	20.61	10902.1	BBTM 11B	0.435	8.71	4767.0	
	Rellenos	1.537	30.75	17286.4					
108200.000	SCemento-1	3.414	68.28	33915.2	AC32 BaseG	1.284	25.68	13014.4	
	ZA	0.868	17.36	9549.5	SCemento-2	0.471	9.44	5136.2	
	AC22 bin	1.032	20.63	10922.7	BBTM 11B	0.435	8.71	4775.7	
	Rellenos	1.538	30.75	17317.2					
108220.000	SCemento-1	3.414	68.28	33983.5	AC32 BaseG	1.284	25.68	13040.1	
	ZA	0.868	17.36	9566.9	SCemento-2	0.471	9.43	5145.6	
	AC22 bin	1.032	20.64	10943.3	BBTM 11B	0.435	8.71	4784.4	
	Rellenos	1.538	30.76	17347.9					
108240.000	SCemento-1	3.414	68.28	34051.8	AC32 BaseG	1.283	25.67	13065.7	
	ZA	0.868	17.36	9584.3	SCemento-2	0.471	9.43	5155.1	
	AC22 bin	1.033	20.65	10964.0	BBTM 11B	0.435	8.71	4793.1	
	Rellenos	1.538	30.76	17378.7					
108260.000	SCemento-1	3.414	68.28	34120.1	AC32 BaseG	1.283	25.66	13091.4	
	ZA	0.868	17.36	9601.6	SCemento-2	0.471	9.43	5164.5	
	AC22 bin	1.033	20.66	10984.6	BBTM 11B	0.435	8.71	4801.9	
	Rellenos	1.538	30.76	17409.5					
108280.000	SCemento-1	3.414	68.28	34188.3	AC32 BaseG	1.284	25.67	13117.1	
	ZA	0.868	17.36	9619.0	SCemento-2	0.472	9.44	5173.9	
	AC22 bin	1.031	20.64	11005.3	BBTM 11B	0.435	8.71	4810.6	
	Rellenos	1.537	30.75	17440.2					

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 61

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
108300.000	SCemento-1	3.413	68.27	34256.6	AC32 BaseG	1.284	25.68	13142.7	
	ZA	0.868	17.36	9636.3	SCemento-2	0.472	9.44	5183.4	
	AC22 bin	1.031	20.62	11025.9	BBTM 11B	0.436	8.72	4819.3	
	Rellenos	1.537	30.75	17471.0					
108320.000	SCemento-1	3.414	68.27	34324.9	AC32 BaseG	1.282	25.66	13168.4	
	ZA	0.868	17.36	9653.7	SCemento-2	0.472	9.44	5192.8	
	AC22 bin	1.032	20.63	11046.5	BBTM 11B	0.437	8.73	4828.0	
	Rellenos	1.538	30.75	17501.7					
108340.000	SCemento-1	3.414	68.29	34393.2	AC32 BaseG	1.283	25.65	13194.0	
	ZA	0.868	17.36	9671.1	SCemento-2	0.471	9.43	5202.3	
	AC22 bin	1.033	20.65	11067.2	BBTM 11B	0.435	8.72	4836.7	
	Rellenos	1.538	30.76	17532.5					
108360.000	SCemento-1	3.414	68.28	34461.5	AC32 BaseG	1.283	25.66	13219.7	
	ZA	0.868	17.36	9688.4	SCemento-2	0.472	9.43	5211.7	
	AC22 bin	1.031	20.64	11087.8	BBTM 11B	0.436	8.72	4845.5	
	Rellenos	1.538	30.76	17563.2					
108380.000	SCemento-1	3.413	68.27	34529.7	AC32 BaseG	1.283	25.66	13245.4	
	ZA	0.868	17.36	9705.8	SCemento-2	0.472	9.44	5221.1	
	AC22 bin	1.031	20.62	11108.4	BBTM 11B	0.438	8.74	4854.2	
	Rellenos	1.537	30.75	17594.0					
108400.000	SCemento-1	3.414	68.27	34598.0	AC32 BaseG	1.284	25.67	13271.0	
	ZA	0.868	17.36	9723.1	SCemento-2	0.471	9.43	5230.6	
	AC22 bin	1.032	20.63	11129.1	BBTM 11B	0.435	8.73	4862.9	
	Rellenos	1.538	30.75	17624.7					
108420.000	SCemento-1	3.414	68.28	34666.3	AC32 BaseG	1.282	25.66	13296.7	
	ZA	0.868	17.36	9740.5	SCemento-2	0.472	9.43	5240.0	
	AC22 bin	1.032	20.64	11149.7	BBTM 11B	0.437	8.72	4871.6	
	Rellenos	1.538	30.76	17655.5					
108440.000	SCemento-1	3.414	68.29	34734.6	AC32 BaseG	1.284	25.66	13322.4	
	ZA	0.868	17.36	9757.9	SCemento-2	0.472	9.44	5249.4	
	AC22 bin	1.031	20.63	11170.3	BBTM 11B	0.435	8.72	4880.4	
	Rellenos	1.537	30.75	17686.2					
108460.000	SCemento-1	3.414	68.28	34802.8	AC32 BaseG	1.283	25.67	13348.0	
	ZA	0.868	17.36	9775.2	SCemento-2	0.471	9.44	5258.9	
	AC22 bin	1.031	20.62	11191.0	BBTM 11B	0.436	8.72	4889.1	
	Rellenos	1.538	30.75	17717.0					

Istram 18.05.05.29 17/07/18 18:00:43 459

pagina 62

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
108480.000	SCemento-1	3.414		68.28	34871.1	AC32 BaseG	1.284		25.67 13373.7
	ZA	0.868		17.36	9792.6	SCemento-2	0.472		9.43 5268.3
	AC22 bin	1.031		20.63	11211.6	BBTM 11B	0.436		8.73 4897.8
	Rellenos	1.537		30.75	17747.7				
108500.000	SCemento-1	3.414		68.28	34939.4	AC32 BaseG	1.283		25.67 13399.4
	ZA	0.868		17.36	9809.9	SCemento-2	0.471		9.43 5277.7
	AC22 bin	1.033		20.64	11232.2	BBTM 11B	0.435		8.72 4906.5
	Rellenos	1.538		30.75	17778.5				
108520.000	SCemento-1	3.414		68.28	35007.7	AC32 BaseG	1.284		25.67 13425.0
	ZA	0.868		17.36	9827.3	SCemento-2	0.472		9.44 5287.2
	AC22 bin	1.030		20.63	11252.9	BBTM 11B	0.436		8.72 4915.2
	Rellenos	1.537		30.75	17809.2				
108540.000	SCemento-1	3.413		68.26	35076.0	AC32 BaseG	1.284		25.68 13450.7
	ZA	0.868		17.36	9844.6	SCemento-2	0.472		9.44 5296.6
	AC22 bin	1.031		20.62	11273.5	BBTM 11B	0.436		8.73 4924.0
	Rellenos	1.537		30.75	17840.0				
108560.000	SCemento-1	3.414		68.27	35144.2	AC32 BaseG	1.284		25.68 13476.4
	ZA	0.868		17.36	9862.0	SCemento-2	0.471		9.43 5306.0
	AC22 bin	1.032		20.63	11294.1	BBTM 11B	0.435		8.72 4932.7
	Rellenos	1.538		30.75	17870.7				
108580.000	SCemento-1	3.414		68.28	35212.5	AC32 BaseG	1.284		25.68 13502.1
	ZA	0.868		17.36	9879.4	SCemento-2	0.471		9.43 5315.5
	AC22 bin	1.032		20.64	11314.8	BBTM 11B	0.435		8.71 4941.4
	Rellenos	1.538		30.76	17901.5				
108600.000	SCemento-1	3.413		68.27	35280.8	AC32 BaseG	1.283		25.66 13527.7
	ZA	0.868		17.36	9896.7	SCemento-2	0.472		9.43 5324.9
	AC22 bin	1.031		20.63	11335.4	BBTM 11B	0.438		8.73 4950.1
	Rellenos	1.537		30.75	17932.3				
108620.000	SCemento-1	3.414		68.27	35349.0	AC32 BaseG	1.284		25.67 13553.4
	ZA	0.868		17.36	9914.1	SCemento-2	0.471		9.43 5334.3
	AC22 bin	1.032		20.63	11356.0	BBTM 11B	0.435		8.73 4958.9
	Rellenos	1.538		30.75	17963.0				
108640.000	SCemento-1	3.414		68.28	35417.3	AC32 BaseG	1.284		25.68 13579.1
	ZA	0.868		17.36	9931.4	SCemento-2	0.472		9.44 5343.8
	AC22 bin	1.031		20.63	11376.6	BBTM 11B	0.435		8.71 4967.6
	Rellenos	1.537		30.75	17993.8				

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108660.000	SCemento-1	3.414	68.28	35485.6	AC32 BaseG	1.282	25.66	13604.8		
	ZA	0.868	17.36	9948.8	SCemento-2	0.472	9.44	5353.2		
	AC22 bin	1.032	20.63	11397.3	BBTM 11B	0.437	8.72	4976.3		
	Rellenos	1.538	30.75	18024.5						
108680.000	SCemento-1	3.414	68.28	35553.9	AC32 BaseG	1.284	25.66	13630.4		
	ZA	0.868	17.36	9966.1	SCemento-2	0.472	9.44	5362.7		
	AC22 bin	1.032	20.64	11417.9	BBTM 11B	0.436	8.73	4985.0		
	Rellenos	1.538	30.75	18055.3						
108700.000	SCemento-1	3.414	68.28	35622.2	AC32 BaseG	1.284	25.68	13656.1		
	ZA	0.868	17.36	9983.5	SCemento-2	0.472	9.44	5372.1		
	AC22 bin	1.031	20.62	11438.5	BBTM 11B	0.435	8.71	4993.7		
	Rellenos	1.537	30.75	18086.0						
108720.000	SCemento-1	3.414	68.28	35690.5	AC32 BaseG	1.283	25.67	13681.8		
	ZA	0.868	17.36	10000.9	SCemento-2	0.472	9.44	5381.5		
	AC22 bin	1.033	20.63	11459.2	BBTM 11B	0.435	8.71	5002.4		
	Rellenos	1.538	30.75	18116.8						
108740.000	SCemento-1	2.723	61.37	35751.8	AC32 BaseG	1.188	24.70	13706.5		
	ZA	0.868	17.36	10018.2	SCemento-2	0.472	9.44	5391.0		
	AC22 bin	1.030	20.63	11479.8	BBTM 11B	0.436	8.72	5011.2		
	Rellenos	1.537	30.75	18147.5						
108760.000	SCemento-1	2.253	49.76	35801.6	AC32 BaseG	0.996	21.84	13728.3		
	ZA	0.868	17.36	10035.6	SCemento-2	0.472	9.44	5400.4		
	AC22 bin	1.013	20.44	11500.2	BBTM 11B	0.436	8.73	5019.9		
	Rellenos	1.537	30.75	18178.3						
108780.000	SCemento-1	2.517	47.70	35849.3	AC32 BaseG	0.933	19.29	13747.6		
	ZA	0.868	17.36	10052.9	SCemento-2	0.471	9.43	5409.8		
	AC22 bin	0.918	19.31	11519.5	BBTM 11B	0.435	8.72	5028.6		
	Rellenos	1.538	30.75	18209.0						
108800.000	SCemento-1	1.625	41.42	35890.7	AC32 BaseG	0.685	16.17	13763.8		
	ZA	0.868	17.36	10070.3	SCemento-2	0.472	9.43	5419.3		
	AC22 bin	0.824	17.41	11537.0	BBTM 11B	0.436	8.72	5037.3		
	Rellenos	1.537	30.75	18239.8						
108820.000	SCemento-1	1.620	32.44	35923.2	AC32 BaseG	0.626	13.11	13776.9		
	ZA	0.868	17.36	10087.6	SCemento-2	0.472	9.43	5428.7		
	AC22 bin	0.800	16.23	11553.2	BBTM 11B	0.436	8.73	5046.0		
	Rellenos	1.537	30.75	18270.5						

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 64

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
108840.000	SCemento-1	1.772	33.92	35957.1	AC32 BaseG	0.649	12.75	13789.6		
	ZA	0.868	17.36	10105.0	SCemento-2	0.472	9.43	5438.1		
	AC22 bin	0.785	15.85	11569.0	BBTM 11B	0.449	8.85	5054.9		
	Rellenos	1.538	30.75	18301.3						
108860.000	SCemento-1	2.186	39.58	35996.7	AC32 BaseG	0.795	14.44	13804.1		
	ZA	0.868	17.36	10122.4	SCemento-2	0.472	9.43	5447.6		
	AC22 bin	0.819	16.04	11585.1	BBTM 11B	0.464	9.13	5064.0		
	Rellenos	1.538	30.76	18332.0						
108880.000	SCemento-1	2.123	43.08	36039.7	AC32 BaseG	0.774	15.69	13819.7		
	ZA	0.868	17.36	10139.7	SCemento-2	0.471	9.43	5457.0		
	AC22 bin	0.840	16.58	11601.7	BBTM 11B	0.482	9.46	5073.5		
	Rellenos	1.537	30.75	18362.8						
108900.000	SCemento-1	2.127	42.49	36082.2	AC32 BaseG	0.867	16.41	13836.2		
	ZA	0.869	17.37	10157.1	SCemento-2	0.472	9.43	5466.4		
	AC22 bin	1.027	18.67	11620.3	BBTM 11B	0.496	9.78	5083.3		
	Rellenos	1.538	30.75	18393.5						
108920.000	SCemento-1	2.256	43.83	36126.1	AC32 BaseG	0.831	16.98	13853.1		
	ZA	0.868	17.37	10174.5	SCemento-2	0.472	9.44	5475.9		
	AC22 bin	0.943	19.71	11640.0	BBTM 11B	0.512	10.08	5093.3		
	Rellenos	1.538	30.76	18424.3						
108940.000	SCemento-1	3.500	57.57	36183.6	AC32 BaseG	1.318	21.49	13874.6		
	ZA	0.868	17.36	10191.8	SCemento-2	0.472	9.44	5485.3		
	AC22 bin	1.055	19.99	11660.0	BBTM 11B	0.528	10.40	5103.7		
	Rellenos	1.538	30.76	18455.0						
108960.000	SCemento-1	4.288	77.88	36261.5	AC32 BaseG	1.632	29.51	13904.1		
	ZA	0.863	17.30	10209.1	SCemento-2	0.472	9.44	5494.8		
	AC22 bin	1.276	23.31	11683.3	BBTM 11B	0.543	10.70	5114.4		
	Rellenos	1.537	30.75	18485.8						
108980.000	SCemento-1	4.289	85.77	36347.3	AC32 BaseG	1.634	32.66	13936.8		
	ZA	0.837	16.99	10226.1	SCemento-2	0.472	9.44	5504.2		
	AC22 bin	1.276	25.51	11708.9	BBTM 11B	0.540	10.83	5125.3		
	Rellenos	1.535	30.72	18516.5						
109000.000	SCemento-1	4.288	85.78	36433.1	AC32 BaseG	1.634	32.68	13969.5		
	ZA	0.815	16.52	10242.6	SCemento-2	0.472	9.45	5513.6		
	AC22 bin	1.276	25.51	11734.4	BBTM 11B	0.541	10.82	5136.1		
	Rellenos	1.520	30.55	18547.1						

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 65

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
109020.000	SCemento-1	4.288	85.76	36518.8	AC32 BaseG	1.632	32.66	14002.1		
	ZA	0.816	16.32	10258.9	SCemento-2	0.472	9.44	5523.1		

109040.000	AC22 bin	1.276	25.51	11759.9	BBTM 11B	0.543	10.84	5146.9		
	Rellenos	1.521	30.41	18577.5						
	SCemento-1	4.289	85.76	36604.6	AC32 BaseG	1.633	32.66	14034.8		
	ZA	1.008	18.25	10277.2	SCemento-2	0.473	9.45	5532.5		
	AC22 bin	1.276	25.51	11785.4	BBTM 11B	0.541	10.84	5157.8		
	Rellenos	1.911	34.32	18611.8						
109060.000	SCemento-1	4.284	85.73	36690.3	AC32 BaseG	1.634	32.67	14067.5		
	ZA	1.009	20.17	10297.4	SCemento-2	0.479	9.51	5542.0		
	AC22 bin	1.276	25.52	11810.9	BBTM 11B	0.541	10.83	5168.6		
	Rellenos	1.929	38.40	18650.2						
109080.000	SCemento-1	4.257	85.41	36775.7	AC32 BaseG	1.631	32.64	14100.1		
	ZA	0.850	18.59	10316.0	SCemento-2	0.499	9.78	5551.8		
	AC22 bin	1.277	25.53	11836.4	BBTM 11B	0.540	10.82	5179.4		
	Rellenos	1.454	33.83	18684.0						
109100.000	SCemento-1	4.237	84.94	36860.7	AC32 BaseG	1.631	32.62	14132.7		
	ZA	0.883	17.33	10333.3	SCemento-2	0.518	10.17	5562.0		
	AC22 bin	1.276	25.53	11862.0	BBTM 11B	0.541	10.81	5190.2		
	Rellenos	1.403	28.57	18712.6						
109120.000	SCemento-1	4.229	84.66	36945.3	AC32 BaseG	1.630	32.62	14165.3		
	ZA	0.886	17.69	10351.0	SCemento-2	0.525	10.43	5572.4		
	AC22 bin	1.276	25.52	11887.5	BBTM 11B	0.541	10.82	5201.1		
	Rellenos	1.380	27.82	18740.4						
109140.000	SCemento-1	4.220	84.49	37029.8	AC32 BaseG	1.631	32.61	14198.0		
	ZA	0.886	17.71	10368.7	SCemento-2	0.528	10.53	5583.0		
	AC22 bin	1.277	25.53	11913.0	BBTM 11B	0.541	10.82	5211.9		
	Rellenos	1.343	27.23	18767.6						
109160.000	SCemento-1	3.340	75.60	37105.4	AC32 BaseG	1.280	29.11	14227.1		
	ZA	0.886	17.72	10386.4	SCemento-2	0.528	10.55	5593.5		
	AC22 bin	1.031	23.08	11936.1	BBTM 11B	0.436	9.77	5221.7		
	Rellenos	1.294	26.37	18794.0						
109180.000	SCemento-1	3.338	66.77	37172.2	AC32 BaseG	1.279	25.59	14252.7		
	ZA	0.878	17.64	10404.1	SCemento-2	0.527	10.55	5604.1		
	AC22 bin	1.032	20.63	11956.7	BBTM 11B	0.436	8.72	5230.4		
	Rellenos	1.276	25.70	18819.7						

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 66

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
109200.000	SCemento-1	3.337		66.75	37238.9	AC32 BaseG	1.280		25.59	14278.2
	ZA	0.797		16.75	10420.8	SCemento-2	0.527		10.54	5614.6
	AC22 bin	1.030		20.62	11977.4	BBTM 11B	0.437		8.73	5239.1
	Rellenos	1.179		24.55	18844.2					
109220.000	SCemento-1	3.338		66.75	37305.7	AC32 BaseG	1.279		25.59	14303.8
	ZA	1.015		18.12	10438.9	SCemento-2	0.527		10.54	5625.2
	AC22 bin	1.033		20.63	11998.0	BBTM 11B	0.435		8.72	5247.8
	Rellenos	1.510		26.89	18871.1					
109240.000	SCemento-1	3.338		66.76	37372.4	AC32 BaseG	1.280		25.59	14329.4
	ZA	1.021		20.36	10459.3	SCemento-2	0.527		10.54	5635.7
	AC22 bin	1.032		20.64	12018.6	BBTM 11B	0.436		8.70	5256.5
	Rellenos	2.010		35.20	18906.3					
109260.000	SCemento-1	3.339		66.76	37439.2	AC32 BaseG	1.280		25.60	14355.0
	ZA	1.021		20.42	10479.7	SCemento-2	0.528		10.55	5646.2
	AC22 bin	1.031		20.63	12039.3	BBTM 11B	0.436		8.71	5265.2
	Rellenos	2.061		40.71	18947.1					
109280.000	SCemento-1	3.337		66.76	37506.0	AC32 BaseG	1.279		25.58	14380.6
	ZA	1.013		20.34	10500.0	SCemento-2	0.527		10.54	5656.8
	AC22 bin	1.032		20.64	12059.9	BBTM 11B	0.436		8.71	5274.0
	Rellenos	1.790		38.51	18985.6					
109300.000	SCemento-1	3.338		66.75	37572.7	AC32 BaseG	1.278		25.57	14406.2
	ZA	1.021		20.34	10520.4	SCemento-2	0.527		10.54	5667.3
	AC22 bin	1.032		20.64	12080.5	BBTM 11B	0.437		8.73	5282.7
	Rellenos	2.300		40.89	19026.5					
109320.000	SCemento-1	3.338		66.76	37639.5	AC32 BaseG	1.279		25.57	14431.7
	ZA	1.020		20.41	10540.8	SCemento-2	0.527		10.54	5677.9
	AC22 bin	1.033		20.64	12101.2	BBTM 11B	0.435		8.72	5291.4
	Rellenos	2.301		46.01	19072.5					
109340.000	SCemento-1	3.338		66.76	37706.2	AC32 BaseG	1.279		25.58	14457.3
	ZA	1.020		20.41	10561.2	SCemento-2	0.527		10.54	5688.4
	AC22 bin	1.033		20.65	12121.8	BBTM 11B	0.435		8.69	5300.1
	Rellenos	2.301		46.02	19118.5					
109360.000	SCemento-1	3.338		66.76	37773.0	AC32 BaseG	1.278		25.57	14482.9
	ZA	1.020		20.41	10581.6	SCemento-2	0.527		10.54	5698.9
	AC22 bin	1.032		20.64	12142.5	BBTM 11B	0.437		8.72	5308.8
	Rellenos	2.300		46.01	19164.5					

109420.000	AC22 bin	1.032	20.63	12183.8	BBTM 11B	0.436	8.72	5326.2
	Rellenos	2.300	46.00	19256.5				
	SCemento-1	3.338	66.76	37973.3	AC32 BaseG	1.278	25.58	14559.7
109440.000	ZA	1.020	20.41	10642.9	SCemento-2	0.527	10.54	5730.6
	AC22 bin	1.032	20.63	12204.4	BBTM 11B	0.437	8.73	5335.0
	Rellenos	2.300	46.00	19302.5				
109460.000	SCemento-1	3.338	66.76	38040.0	AC32 BaseG	1.279	25.57	14585.2
	ZA	1.021	20.41	10663.3	SCemento-2	0.527	10.54	5741.1
	AC22 bin	1.032	20.64	12225.0	BBTM 11B	0.436	8.73	5343.7
109480.000	Rellenos	2.300	46.00	19348.5				
	SCemento-1	3.337	66.75	38106.8	AC32 BaseG	1.279	25.58	14610.8
	ZA	1.006	20.27	10683.5	SCemento-2	0.527	10.54	5751.6
109500.000	AC22 bin	1.032	20.65	12245.7	BBTM 11B	0.436	8.72	5352.4
	Rellenos	1.808	41.08	19389.6				
	SCemento-1	3.338	66.75	38173.5	AC32 BaseG	1.279	25.58	14636.4
109520.000	ZA	1.021	20.27	10703.8	SCemento-2	0.527	10.54	5762.2
	AC22 bin	1.032	20.65	12266.3	BBTM 11B	0.435	8.71	5361.1
	Rellenos	2.452	42.60	19432.2				
109540.000	SCemento-1	3.339	66.76	38240.3	AC32 BaseG	1.280	25.59	14662.0
	ZA	1.021	20.42	10724.2	SCemento-2	0.528	10.55	5772.7
	AC22 bin	1.031	20.63	12287.0	BBTM 11B	0.436	8.70	5369.8
109560.000	Rellenos	2.301	47.52	19479.7				
	SCemento-1	3.339	66.77	38307.0	AC32 BaseG	1.280	25.60	14687.6
	ZA	0.804	18.25	10742.5	SCemento-2	0.527	10.55	5783.3
109580.000	AC22 bin	1.031	20.63	12307.6	BBTM 11B	0.435	8.71	5378.5
	Rellenos	1.519	38.20	19517.9				
	SCemento-1	3.339	66.77	38373.8	AC32 BaseG	1.280	25.60	14713.2
109600.000	ZA	0.879	16.83	10759.3	SCemento-2	0.527	10.54	5793.8
	AC22 bin	1.031	20.63	12328.2	BBTM 11B	0.435	8.71	5387.3
	Rellenos	1.568	30.87	19548.8				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 68
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109560.000	SCemento-1	3.338	66.76	38440.6	AC32 BaseG	1.279	25.59	14738.8	
	ZA	0.879	17.57	10776.9	SCemento-2	0.527	10.55	5804.4	
	AC22 bin	1.031	20.63	12348.8	BBTM 11B	0.436	8.72	5396.0	
	Rellenos	1.567	31.35	19580.1					
109580.000	SCemento-1	2.671	60.09	38500.7	AC32 BaseG	1.015	22.95	14761.7	
	ZA	0.879	17.57	10794.5	SCemento-2	0.527	10.55	5814.9	
	AC22 bin	0.915	19.46	12368.3	BBTM 11B	0.436	8.72	5404.7	
	Rellenos	1.516	30.83	19610.9					
109600.000	SCemento-1	1.920	45.91	38546.6	AC32 BaseG	0.842	18.57	14780.3	
	ZA	0.813	16.92	10811.4	SCemento-2	0.527	10.54	5825.5	
	AC22 bin	0.878	17.93	12386.2	BBTM 11B	0.436	8.72	5413.4	
	Rellenos	0.999	25.15	19636.1					
109620.000	SCemento-1	1.986	39.06	38585.7	AC32 BaseG	0.884	17.26	14797.5	
	ZA	0.840	16.53	10827.9	SCemento-2	0.527	10.55	5836.0	
	AC22 bin	0.937	18.15	12404.4	BBTM 11B	0.436	8.72	5422.1	
	Rellenos	1.030	20.29	19656.4					
109640.000	SCemento-1	2.475	44.62	38630.3	AC32 BaseG	1.097	19.81	14817.3	
	ZA	0.869	17.10	10845.0	SCemento-2	0.528	10.55	5846.6	
	AC22 bin	1.031	19.67	12424.0	BBTM 11B	0.436	8.72	5430.8	
	Rellenos	1.059	20.90	19677.3					
109660.000	SCemento-1	3.347	58.23	38688.5	AC32 BaseG	1.280	23.77	14841.1	
	ZA	0.887	17.57	10862.6	SCemento-2	0.529	10.56	5857.1	
	AC22 bin	1.031	20.62	12444.7	BBTM 11B	0.436	8.72	5439.6	
	Rellenos	1.109	21.68	19699.0					
109680.000	SCemento-1	3.353	67.00	38755.5	AC32 BaseG	1.279	25.59	14866.7	
	ZA	0.882	17.69	10880.3	SCemento-2	0.525	10.53	5867.7	
	AC22 bin	1.031	20.63	12465.3	BBTM 11B	0.437	8.73	5448.3	
	Rellenos	1.169	22.78	19721.7					
109700.000	SCemento-1	3.361	67.14	38822.6	AC32 BaseG	1.280	25.59	14892.3	
	ZA	0.880	17.61	10897.9	SCemento-2	0.518	10.42	5878.1	
	AC22 bin	1.031	20.63	12485.9	BBTM 11B	0.436	8.73	5457.0	
	Rellenos	1.221	23.91	19745.6					
109720.000	SCemento-1	3.382	67.43	38890.1	AC32 BaseG	1.281	25.61	14917.9	
	ZA	0.838	17.17	10915.0	SCemento-2	0.498	10.16	5888.2	
	AC22 bin	1.032	20.63	12506.5	BBTM 11B	0.436	8.72	5465.7	
	Rellenos	1.306	25.28	19770.9					

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 69
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
109740.000	SCemento-1	3.408	67.90	38958.0	AC32 BaseG	1.282	25.64	14943.5	
	ZA	1.005	18.42	10933.5	SCemento-2	0.476	9.74	5898.0	
	AC22 bin	1.032	20.64	12527.2	BBTM 11B	0.436	8.72	5474.5	
	Rellenos	1.769	30.75	19801.7					
109760.000	SCemento-1	3.414	68.22	39026.2	AC32 BaseG	1.284	25.66	14969.2	
	ZA	1.004	20.09	10953.6	SCemento-2	0.472	9.48	5907.5	
	AC22 bin	1.031	20.63	12547.8	BBTM 11B	0.436	8.72	5483.2	
	Rellenos	1.739	35.08	19836.7					
109780.000	SCemento-1	3.414	68.28	39094.5	AC32 BaseG	1.283	25.67	14994.9	
	ZA	0.828	18.32	10971.9	SCemento-2	0.471	9.44	5916.9	

109800.000	AC22 bin	1.033	20.64	12568.5	BBTM 11B	0.435	8.72	5491.9
	Rellenos	1.471	32.10	19868.8				
	SCemento-1	3.414	68.28	39162.7	AC32 BaseG	1.284	25.67	15020.5
109820.000	ZA	0.865	16.93	10988.8	SCemento-2	0.471	9.43	5926.3
	AC22 bin	1.032	20.65	12589.1	BBTM 11B	0.436	8.71	5500.6
	Rellenos	1.492	29.63	19898.5				
109840.000	SCemento-1	3.415	68.29	39231.0	AC32 BaseG	1.284	25.68	15046.2
	ZA	0.868	17.32	11006.1	SCemento-2	0.472	9.44	5935.8
	AC22 bin	1.031	20.63	12609.7	BBTM 11B	0.435	8.71	5509.3
109860.000	Rellenos	1.500	29.92	19928.4				
	SCemento-1	4.288	77.03	39308.1	AC32 BaseG	1.634	29.18	15075.4
	ZA	0.868	17.35	11023.5	SCemento-2	0.472	9.44	5945.2
109880.000	AC22 bin	1.276	23.07	12632.8	BBTM 11B	0.541	9.77	5519.1
	Rellenos	1.505	30.05	19958.4				
	SCemento-1	4.289	85.77	39393.8	AC32 BaseG	1.632	32.66	15108.0
109900.000	ZA	0.868	17.36	11040.8	SCemento-2	0.472	9.44	5954.7
	AC22 bin	1.278	25.54	12658.3	BBTM 11B	0.541	10.82	5529.9
	Rellenos	1.507	30.13	19988.6				
109920.000	SCemento-1	4.289	85.78	39479.6	AC32 BaseG	1.632	32.64	15140.7
	ZA	0.868	17.36	11058.2	SCemento-2	0.472	9.44	5964.1
	AC22 bin	1.278	25.56	12683.9	BBTM 11B	0.541	10.82	5540.7
109940.000	Rellenos	1.507	30.15	20018.7				
	SCemento-1	4.289	85.79	39565.4	AC32 BaseG	1.633	32.65	15173.3
	ZA	0.868	17.36	11075.6	SCemento-2	0.472	9.44	5973.5
109960.000	AC22 bin	1.277	25.55	12709.4	BBTM 11B	0.540	10.81	5551.6
	Rellenos	1.505	30.12	20048.8				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 70
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
109920.000	SCemento-1	4.288	85.78	39651.2	AC32 BaseG	1.633	32.66	15206.0
	ZA	0.868	17.36	11092.9	SCemento-2	0.472	9.44	5983.0
	AC22 bin	1.276	25.53	12735.0	BBTM 11B	0.541	10.82	5562.4
	Rellenos	1.497	30.02	20078.9				
109940.000	SCemento-1	4.289	85.77	39737.0	AC32 BaseG	1.634	32.67	15238.7
	ZA	0.868	17.36	11110.3	SCemento-2	0.471	9.44	5992.4
	AC22 bin	1.277	25.53	12760.5	BBTM 11B	0.540	10.82	5573.2
	Rellenos	1.489	29.86	20108.7				
109960.000	SCemento-1	4.290	85.79	39822.7	AC32 BaseG	1.634	32.68	15271.3
	ZA	0.868	17.36	11127.6	SCemento-2	0.472	9.44	6001.9
	AC22 bin	1.276	25.53	12786.0	BBTM 11B	0.540	10.81	5584.0
	Rellenos	1.478	29.66	20138.4				
109980.000	SCemento-1	4.258	85.48	39908.2	AC32 BaseG	1.619	32.53	15303.9
	ZA	0.868	17.36	11145.0	SCemento-2	0.472	9.44	6011.3
	AC22 bin	1.268	25.44	12811.5	BBTM 11B	0.537	10.77	5594.8
	Rellenos	1.469	29.46	20167.8				
110000.000	SCemento-1	4.127	83.85	39992.1	AC32 BaseG	1.567	31.85	15335.7
	ZA	0.868	17.36	11162.4	SCemento-2	0.472	9.43	6020.7
	AC22 bin	1.232	25.00	12836.5	BBTM 11B	0.521	10.58	5605.4
	Rellenos	1.461	29.29	20197.1				
110020.000	SCemento-1	3.998	81.25	40073.3	AC32 BaseG	1.517	30.84	15366.6
	ZA	0.868	17.36	11179.7	SCemento-2	0.472	9.43	6030.2
	AC22 bin	1.195	24.27	12860.7	BBTM 11B	0.506	10.28	5615.6
	Rellenos	1.452	29.13	20226.3				
110040.000	SCemento-1	3.867	78.65	40152.0	AC32 BaseG	1.465	29.82	15396.4
	ZA	0.868	17.36	11197.1	SCemento-2	0.472	9.44	6039.6
	AC22 bin	1.159	23.53	12884.3	BBTM 11B	0.491	9.98	5625.6
	Rellenos	1.446	28.98	20255.2				
110060.000	SCemento-1	3.739	76.06	40228.0	AC32 BaseG	1.412	28.77	15425.2
	ZA	0.868	17.36	11214.4	SCemento-2	0.472	9.43	6049.0
	AC22 bin	1.123	22.82	12907.1	BBTM 11B	0.474	9.66	5635.3
	Rellenos	1.443	28.89	20284.1				
110080.000	SCemento-1	3.608	73.47	40301.5	AC32 BaseG	1.361	27.74	15452.9
	ZA	0.868	17.36	11231.8	SCemento-2	0.472	9.44	6058.5
	AC22 bin	1.085	22.08	12929.2	BBTM 11B	0.460	9.34	5644.6
	Rellenos	1.439	28.82	20313.0				

110180.000	AC22 bin	1.032	20.63	13012.6	BBTM 11B	0.436	8.73	5679.9
	Rellenos	1.439	28.78	20428.1				
	SCemento-1	3.414	68.28	40646.2	AC32 BaseG	1.284	25.68	15582.5
110200.000	ZA	0.868	17.36	11318.6	SCemento-2	0.472	9.44	6105.7
	AC22 bin	1.031	20.62	13033.2	BBTM 11B	0.435	8.71	5688.6
	Rellenos	1.439	28.78	20456.8				
110220.000	SCemento-1	3.414	68.28	40714.5	AC32 BaseG	1.282	25.66	15608.2
	ZA	0.868	17.36	11335.9	SCemento-2	0.472	9.44	6115.1
	AC22 bin	1.032	20.63	13053.8	BBTM 11B	0.437	8.72	5697.3
110240.000	Rellenos	1.439	28.78	20485.6				
	SCemento-1	3.414	68.28	40782.7	AC32 BaseG	1.282	25.64	15633.8
	ZA	0.868	17.36	11353.3	SCemento-2	0.472	9.44	6124.6
110260.000	AC22 bin	1.032	20.64	13074.4	BBTM 11B	0.437	8.73	5706.1
	Rellenos	1.439	28.78	20514.4				
	SCemento-1	3.414	68.28	40851.0	AC32 BaseG	1.284	25.66	15659.5
	ZA	0.868	17.36	11370.6	SCemento-2	0.472	9.44	6134.0
	AC22 bin	1.031	20.63	13095.1	BBTM 11B	0.436	8.73	5714.8
	Rellenos	1.439	28.78	20543.2				
	SCemento-1	3.414	68.28	40919.3	AC32 BaseG	1.283	25.67	15685.2
	ZA	0.868	17.36	11388.0	SCemento-2	0.471	9.43	6143.4
	AC22 bin	1.033	20.64	13115.7	BBTM 11B	0.435	8.72	5723.5
	Rellenos	1.440	28.79	20572.0				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 72

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
110280.000	SCemento-1	3.414	68.28	40987.6	AC32 BaseG	1.283	25.66	15710.8
	ZA	0.868	17.36	11405.4	SCemento-2	0.471	9.43	6152.9
	AC22 bin	1.033	20.66	13136.4	BBTM 11B	0.435	8.71	5732.2
110300.000	Rellenos	1.440	28.79	20600.8				
	SCemento-1	3.413	68.27	41055.9	AC32 BaseG	1.284	25.67	15736.5
	ZA	0.868	17.36	11422.7	SCemento-2	0.472	9.43	6162.3
	AC22 bin	1.031	20.64	13157.0	BBTM 11B	0.436	8.72	5740.9
110320.000	Rellenos	1.440	28.79	20629.6				
	SCemento-1	3.414	68.27	41124.1	AC32 BaseG	1.284	25.68	15762.2
	ZA	0.868	17.36	11440.1	SCemento-2	0.471	9.43	6171.7
	AC22 bin	1.032	20.63	13177.6	BBTM 11B	0.435	8.72	5749.7
110340.000	Rellenos	1.440	28.80	20658.3				
	SCemento-1	2.370	57.84	41182.0	AC32 BaseG	1.111	23.95	15786.1
	ZA	0.868	17.36	11457.4	SCemento-2	0.471	9.43	6181.2
	AC22 bin	1.032	20.64	13198.3	BBTM 11B	0.435	8.71	5758.4
110360.000	Rellenos	1.440	28.80	20687.1				
	SCemento-1	1.944	43.14	41225.1	AC32 BaseG	0.965	20.76	15806.9
	ZA	0.868	17.36	11474.8	SCemento-2	0.472	9.43	6190.6
	AC22 bin	1.030	20.63	13218.9	BBTM 11B	0.438	8.73	5767.1
110380.000	Rellenos	1.440	28.80	20715.9				
	SCemento-1	2.049	39.93	41265.0	AC32 BaseG	0.994	19.59	15826.5
	ZA	0.868	17.36	11492.1	SCemento-2	0.472	9.43	6200.0
	AC22 bin	1.030	20.61	13239.5	BBTM 11B	0.435	8.73	5775.8
110400.000	Rellenos	1.440	28.80	20744.7				
	SCemento-1	1.883	39.32	41304.4	AC32 BaseG	0.855	18.49	15845.0
	ZA	0.868	17.36	11509.5	SCemento-2	0.472	9.43	6209.5
	AC22 bin	0.997	20.27	13259.8	BBTM 11B	0.435	8.71	5784.5
110420.000	Rellenos	1.440	28.80	20773.5				
	SCemento-1	1.876	37.59	41342.0	AC32 BaseG	0.716	15.71	15860.7
	ZA	0.868	17.36	11526.9	SCemento-2	0.472	9.43	6218.9
	AC22 bin	0.893	18.90	13278.7	BBTM 11B	0.437	8.72	5793.3
110440.000	Rellenos	1.440	28.80	20802.3				
	SCemento-1	1.867	37.44	41379.4	AC32 BaseG	0.666	13.82	15874.5
	ZA	0.868	17.36	11544.2	SCemento-2	0.472	9.43	6228.3
	AC22 bin	0.746	16.39	13295.1	BBTM 11B	0.436	8.72	5802.0
	Rellenos	1.440	28.80	20831.1				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 73

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
110460.000	SCemento-1	1.993	38.61	41418.0	AC32 BaseG	0.716	13.82	15888.3
	ZA	0.868	17.36	11561.6	SCemento-2	0.472	9.44	6237.8
	AC22 bin	0.696	14.42	13309.5	BBTM 11B	0.436	8.71	5810.7
110480.000	Rellenos	1.440	28.80	20860.0				
	SCemento-1	2.359	43.52	41461.5	AC32 BaseG	0.861	15.77	15904.1
	ZA	0.868	17.36	11578.9	SCemento-2	0.472	9.44	6247.2
	AC22 bin	0.762	14.58	13324.1	BBTM 11B	0.435	8.71	5819.4
110500.000	Rellenos	1.441	28.81	20888.8				
	SCemento-1	3.414	57.73	41519.2	AC32 BaseG	1.283	21.44	15925.5
	ZA	0.868	17.36	11596.3	SCemento-2	0.471	9.43	6256.6
	AC22 bin	1.031	17.94	13342.0	BBTM 11B	0.436	8.72	5828.1
110520.000	Rellenos	1.441	28.82	20917.6				
	SCemento-1	3.414	68.28	41587.5	AC32 BaseG	1.284	25.67	15951.2
	ZA	1.010	18.78	11615.1	SCemento-2	0.472	9.43	6266.1
	AC22 bin	1.031	20.63	13362.6	BBTM 11B	0.436	8.73	5836.8
110540.000	Rellenos	2.364	38.05	20955.6				
	SCemento-1	3.414	68.28	41655.8	AC32 BaseG	1.284	25.68	15976.9
	ZA	1.010	20.20	11635.3	SCemento-2	0.472	9.44	6275.5

110560.000	AC22 bin	1.031	20.62	13383.3	BBTM 11B	0.435	8.72	5845.6
	Rellenos	2.365	47.29	21002.9				
	SCemento-1	3.414	68.28	41724.1	AC32 BaseG	1.284	25.68	16002.6
110580.000	ZA	1.010	20.20	11655.5	SCemento-2	0.472	9.45	6284.9
	AC22 bin	1.031	20.61	13403.9	BBTM 11B	0.435	8.71	5854.3
	Rellenos	2.364	47.29	21050.2				
110600.000	SCemento-1	3.414	68.28	41792.4	AC32 BaseG	1.284	25.68	16028.3
	ZA	1.010	20.20	11675.7	SCemento-2	0.472	9.44	6294.4
	AC22 bin	1.031	20.62	13424.5	BBTM 11B	0.436	8.72	5863.0
110620.000	Rellenos	2.364	47.29	21097.5				
	SCemento-1	3.414	68.28	41860.7	AC32 BaseG	1.282	25.66	16053.9
	ZA	0.801	18.11	11693.8	SCemento-2	0.472	9.44	6303.8
	AC22 bin	1.033	20.64	13445.1	BBTM 11B	0.435	8.72	5871.7
	Rellenos	1.407	37.71	21135.2				
	SCemento-1	3.414	68.28	41928.9	AC32 BaseG	1.283	25.66	16079.6
	ZA	1.010	18.11	11711.9	SCemento-2	0.472	9.44	6313.3
	AC22 bin	1.031	20.64	13465.8	BBTM 11B	0.436	8.72	5880.4
	Rellenos	2.363	37.70	21172.9				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 74

PROYECTO :
EJE: 2: Autov^{ca} de Castilla A-62: Due^{as}-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110640.000	SCemento-1	3.414		68.28	41997.2	AC32 BaseG	1.284		25.67	16105.2
	ZA	1.010		20.20	11732.1	SCemento-2	0.472		9.43	6322.7
	AC22 bin	1.031		20.63	13486.4	BBTM 11B	0.436		8.73	5889.2
	Rellenos	2.040		44.03	21216.9					
110660.000	SCemento-1	3.414		68.27	42065.5	AC32 BaseG	1.283		25.67	16130.9
	ZA	1.004		20.14	11752.2	SCemento-2	0.472		9.44	6332.1
	AC22 bin	1.031		20.62	13507.0	BBTM 11B	0.436		8.73	5897.9
	Rellenos	1.787		38.27	21255.2					
110680.000	SCemento-1	2.543		59.57	42125.1	AC32 BaseG	0.935		22.19	16153.1
	ZA	1.007		20.11	11772.3	SCemento-2	0.474		9.46	6341.6
	AC22 bin	0.803		18.34	13525.4	BBTM 11B	0.435		8.72	5906.6
	Rellenos	1.830		36.17	21291.4					
110700.000	SCemento-1	1.899		44.43	42169.5	AC32 BaseG	0.678		16.13	16169.2
	ZA	1.006		20.13	11792.5	SCemento-2	0.472		9.46	6351.0
	AC22 bin	0.696		15.00	13540.4	BBTM 11B	0.436		8.72	5915.3
	Rellenos	1.795		36.25	21327.6					
110720.000	SCemento-1	3.414		53.13	42222.6	AC32 BaseG	1.283		19.62	16188.8
	ZA	1.010		20.16	11812.6	SCemento-2	0.472		9.44	6360.5
	AC22 bin	1.031		17.27	13557.6	BBTM 11B	0.436		8.73	5924.0
	Rellenos	1.880		36.75	21364.4					
110740.000	SCemento-1	3.414		68.28	42290.9	AC32 BaseG	1.284		25.67	16214.5
	ZA	1.010		20.20	11832.8	SCemento-2	0.471		9.44	6369.9
	AC22 bin	1.032		20.63	13578.3	BBTM 11B	0.435		8.72	5932.8
	Rellenos	2.029		39.09	21403.5					
110760.000	SCemento-1	3.414		68.28	42359.2	AC32 BaseG	1.284		25.67	16240.2
	ZA	1.010		20.20	11853.0	SCemento-2	0.472		9.44	6379.4
	AC22 bin	1.031		20.63	13598.9	BBTM 11B	0.436		8.72	5941.5
	Rellenos	2.172		42.01	21445.5					
110780.000	SCemento-1	3.414		68.28	42427.4	AC32 BaseG	1.282		25.66	16265.9
	ZA	1.010		20.20	11873.2	SCemento-2	0.472		9.44	6388.8
	AC22 bin	1.032		20.63	13619.5	BBTM 11B	0.437		8.73	5950.2
	Rellenos	2.333		45.06	21490.5					
110800.000	SCemento-1	3.414		68.28	42495.7	AC32 BaseG	1.282		25.64	16291.5
	ZA	1.010		20.20	11893.4	SCemento-2	0.472		9.44	6398.2
	AC22 bin	1.033		20.64	13640.2	BBTM 11B	0.435		8.72	5958.9
	Rellenos	2.348		46.81	21537.3					

110940.000	AC22 bin	0.812	16.34	13746.1	BBTM 11B	0.435	8.71	6011.2
	Rellenos	2.184	45.13	21816.4				
	SCemento-1	1.901	42.25	42874.1	AC32 BaseG	0.700	15.49	16431.6
	ZA	1.010	20.20	12034.9	SCemento-2	0.471	9.43	6464.3
110960.000	AC22 bin	0.756	15.69	13761.8	BBTM 11B	0.435	8.71	6019.9
	Rellenos	2.313	44.96	21861.3				
	SCemento-1	1.898	37.99	42912.0	AC32 BaseG	0.767	14.67	16446.2
	ZA	1.004	20.14	12055.0	SCemento-2	0.472	9.43	6473.7
110980.000	AC22 bin	0.884	16.41	13778.2	BBTM 11B	0.436	8.72	6028.7
	Rellenos	1.730	40.42	21901.7				
	SCemento-1	2.027	39.25	42951.3	AC32 BaseG	0.916	16.83	16463.1
	ZA	0.817	18.21	12073.2	SCemento-2	0.471	9.43	6483.1
	AC22 bin	1.019	19.03	13797.2	BBTM 11B	0.436	8.73	6037.4
	Rellenos	1.362	30.92	21932.7				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 76
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
111000.000	SCemento-1	2.245	42.72	42994.0	AC32 BaseG	1.012	19.28	16482.3	
	ZA	0.829	16.46	12089.7	SCemento-2	0.472	9.43	6492.6	
	AC22 bin	1.032	20.50	13817.7	BBTM 11B	0.437	8.73	6046.1	
	Rellenos	1.359	27.21	21959.9					
111020.000	SCemento-1	2.437	46.82	43040.8	AC32 BaseG	1.111	21.24	16503.6	
	ZA	0.838	16.66	12106.3	SCemento-2	0.472	9.44	6502.0	
	AC22 bin	1.031	20.63	13838.4	BBTM 11B	0.436	8.73	6054.8	
	Rellenos	1.347	27.05	21986.9					
111040.000	SCemento-1	2.751	51.89	43092.7	AC32 BaseG	1.217	23.28	16526.9	
	ZA	0.839	16.77	12123.1	SCemento-2	0.471	9.44	6511.5	
	AC22 bin	1.032	20.62	13859.0	BBTM 11B	0.436	8.72	6063.6	
	Rellenos	1.328	26.75	22013.7					
111060.000	SCemento-1	2.657	54.08	43146.8	AC32 BaseG	1.192	24.09	16550.9	
	ZA	0.805	16.44	12139.5	SCemento-2	0.472	9.44	6520.9	
	AC22 bin	1.031	20.63	13879.6	BBTM 11B	0.438	8.73	6072.3	
	Rellenos	1.277	26.06	22039.7					
111080.000	SCemento-1	2.281	49.38	43196.2	AC32 BaseG	1.098	22.90	16573.8	
	ZA	0.795	16.00	12155.5	SCemento-2	0.472	9.44	6530.3	
	AC22 bin	1.031	20.62	13900.2	BBTM 11B	0.436	8.74	6081.0	
	Rellenos	1.236	25.14	22064.9					
111100.000	SCemento-1	2.116	43.97	43240.2	AC32 BaseG	1.006	21.04	16594.9	
	ZA	0.798	15.94	12171.5	SCemento-2	0.471	9.44	6539.8	
	AC22 bin	1.031	20.62	13920.9	BBTM 11B	0.435	8.72	6089.8	
	Rellenos	1.210	24.47	22089.3					
111120.000	SCemento-1	3.414	55.30	43295.5	AC32 BaseG	1.283	22.89	16617.8	
	ZA	0.802	16.01	12187.5	SCemento-2	0.472	9.43	6549.2	
	AC22 bin	1.031	20.63	13941.5	BBTM 11B	0.436	8.72	6098.5	
	Rellenos	1.186	23.96	22113.3					
111140.000	SCemento-1	2.062	54.76	43350.2	AC32 BaseG	0.978	22.61	16640.4	
	ZA	0.811	16.14	12203.6	SCemento-2	0.472	9.43	6558.6	
	AC22 bin	1.029	20.60	13962.1	BBTM 11B	0.436	8.73	6107.2	
	Rellenos	1.172	23.58	22136.9					
111160.000	SCemento-1	1.883	39.46	43389.7	AC32 BaseG	0.840	18.18	16658.6	
	ZA	0.816	16.27	12219.9	SCemento-2	0.472	9.43	6568.1	
	AC22 bin	0.977	20.06	13982.1	BBTM 11B	0.435	8.72	6115.9	
	Rellenos	1.160	23.32	22160.2					

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 77
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
111180.000	SCemento-1	2.148	40.31	43430.0	AC32 BaseG	1.036	18.76	16677.3	
	ZA	0.810	16.26	12236.1	SCemento-2	0.472	9.43	6577.5	
	AC22 bin	1.031	20.08	14002.2	BBTM 11B	0.436	8.72	6124.6	
	Rellenos	1.145	23.06	22183.3					
111200.000	SCemento-1	2.710	48.57	43478.6	AC32 BaseG	1.215	22.51	16699.8	
	ZA	0.820	16.30	12252.4	SCemento-2	0.472	9.44	6587.0	
	AC22 bin	1.030	20.62	14022.8	BBTM 11B	0.436	8.73	6133.4	
	Rellenos	1.153	22.98	22206.2					
111220.000	SCemento-1	3.414	61.24	43539.8	AC32 BaseG	1.283	24.97	16724.8	
	ZA	0.829	16.49	12268.9	SCemento-2	0.472	9.44	6596.4	
	AC22 bin	1.033	20.63	14043.5	BBTM 11B	0.435	8.72	6142.1	
	Rellenos	1.162	23.14	22229.4					
111240.000	SCemento-1	2.340	57.55	43597.3	AC32 BaseG	1.101	23.83	16748.6	
	ZA	0.835	16.64	12285.6	SCemento-2	0.472	9.44	6605.8	
	AC22 bin	1.032	20.64	14064.1	BBTM 11B	0.437	8.72	6150.8	
	Rellenos	1.169	23.31	22252.7					
111260.000	SCemento-1	1.762	41.03	43638.4	AC32 BaseG	0.851	19.51	16768.1	
	ZA	0.843	16.78	12302.4	SCemento-2	0.472	9.44	6615.3	
	AC22 bin	0.999	20.31	14084.4	BBTM 11B	0.435	8.72	6159.5	
	Rellenos	1.176	23.46	22276.1					
111280.000	SCemento-1	2.195	39.57	43677.9	AC32 BaseG	1.032	18.82	16787.0	
	ZA	0.851	16.94	12319.3	SCemento-2	0.472	9.44	6624.7	
	AC22 bin	1.018	20.17	14104.6	BBTM 11B	0.436	8.72	6168.2	
	Rellenos	1.183	23.59	22299.7					
111300.000	SCemento-1	3.414	56.09	43734.0	AC32 BaseG	1.284	23.16	16810.1	
	ZA	0.865	17.16	12336.5	SCemento-2	0.472	9.43	6634.1	

111320.000	AC22 bin	1.032	20.50	14125.1	BBTM 11B	0.435	8.72	6177.0
	Rellenos	1.187	23.70	22323.4				
	SCemento-1	3.414	68.28	43802.3	AC32 BaseG	1.283	25.67	16835.8
	ZA	0.868	17.33	12353.8	SCemento-2	0.472	9.43	6643.6
111340.000	AC22 bin	1.031	20.63	14145.7	BBTM 11B	0.436	8.72	6185.7
	Rellenos	1.192	23.79	22347.2				
	SCemento-1	3.414	68.27	43870.6	AC32 BaseG	1.283	25.67	16861.5
	ZA	0.868	17.36	12371.2	SCemento-2	0.472	9.44	6653.0
	AC22 bin	1.031	20.62	14166.3	BBTM 11B	0.436	8.73	6194.4
	Rellenos	1.196	23.88	22371.1				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 78
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
111360.000	SCemento-1	3.414	68.28	43938.8	AC32 BaseG	1.284	25.67	16887.1	
	ZA	0.868	17.36	12388.5	SCemento-2	0.471	9.44	6662.4	
	AC22 bin	1.032	20.63	14187.0	BBTM 11B	0.435	8.72	6203.1	
	Rellenos	1.200	23.96	22395.1					
111380.000	SCemento-1	3.414	68.28	44007.1	AC32 BaseG	1.282	25.66	16912.8	
	ZA	0.867	17.35	12405.9	SCemento-2	0.472	9.43	6671.9	
	AC22 bin	1.032	20.64	14207.6	BBTM 11B	0.437	8.72	6211.8	
	Rellenos	1.203	24.03	22419.1					
111400.000	SCemento-1	3.413	68.27	44075.4	AC32 BaseG	1.284	25.66	16938.5	
	ZA	0.866	17.34	12423.2	SCemento-2	0.472	9.44	6681.3	
	AC22 bin	1.031	20.63	14228.2	BBTM 11B	0.436	8.73	6220.6	
	Rellenos	1.206	24.08	22443.2					
111420.000	SCemento-1	3.413	68.26	44143.7	AC32 BaseG	1.284	25.68	16964.1	
	ZA	0.864	17.31	12440.5	SCemento-2	0.472	9.44	6690.7	
	AC22 bin	1.031	20.62	14248.9	BBTM 11B	0.436	8.73	6229.3	
	Rellenos	1.208	24.14	22467.3					
111440.000	SCemento-1	3.414	68.27	44211.9	AC32 BaseG	1.283	25.67	16989.8	
	ZA	0.865	17.29	12457.8	SCemento-2	0.472	9.43	6700.2	
	AC22 bin	1.033	20.64	14269.5	BBTM 11B	0.435	8.72	6238.0	
	Rellenos	1.215	24.23	22491.5					
111460.000	SCemento-1	3.414	68.28	44280.2	AC32 BaseG	1.283	25.67	17015.5	
	ZA	0.858	17.22	12475.0	SCemento-2	0.472	9.44	6709.6	
	AC22 bin	1.031	20.64	14290.1	BBTM 11B	0.436	8.72	6246.7	
	Rellenos	1.229	24.44	22516.0					
111480.000	SCemento-1	3.413	68.26	44348.5	AC32 BaseG	1.284	25.68	17041.2	
	ZA	0.842	17.00	12492.0	SCemento-2	0.472	9.44	6719.1	
	AC22 bin	1.031	20.62	14310.8	BBTM 11B	0.436	8.73	6255.5	
	Rellenos	1.249	24.77	22540.8					
111500.000	SCemento-1	3.414	68.27	44416.7	AC32 BaseG	1.284	25.68	17066.8	
	ZA	0.834	16.76	12508.8	SCemento-2	0.471	9.43	6728.5	
	AC22 bin	1.032	20.63	14331.4	BBTM 11B	0.435	8.72	6264.2	
	Rellenos	1.268	25.17	22565.9					
111520.000	SCemento-1	3.414	68.28	44485.0	AC32 BaseG	1.283	25.67	17092.5	
	ZA	0.822	16.56	12525.3	SCemento-2	0.472	9.44	6737.9	
	AC22 bin	1.031	20.63	14352.0	BBTM 11B	0.436	8.72	6272.9	
	Rellenos	1.281	25.49	22591.4					

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 79
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
***** CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
111540.000	SCemento-1	3.414		68.28		44553.3		AC32 BaseG	1.282		25.65		17118.2	
	ZA	0.812		16.33		12541.7		SCemento-2	0.472		9.44		6774.4	
	AC22 bin	1.031		20.62		14372.6		BBTM 11B	0.438		8.74		6281.6	
	Rellenos	1.292		25.72		22617.1								
111560.000	SCemento-1	3.414		68.28		44621.6		AC32 BaseG	1.284		25.66		17143.8	
	ZA	1.001		18.13		12559.8		SCemento-2	0.471		9.44		6756.8	
	AC22 bin	1.032		20.63		14393.3		BBTM 11B	0.435		8.73		6290.4	
	Rellenos	1.589		28.81		22645.9								
111580.000	SCemento-1	3.414		68.28		44689.8		AC32 BaseG	1.284		25.68		17169.5	
	ZA	1.004		20.05		12579.8		SCemento-2	0.472		9.44		6766.2	
	AC22 bin	1.031		20.63		14413.9		BBTM 11B	0.435		8.71		6299.1	
	Rellenos	1.675		32.64		22678.6								
111600.000	SCemento-1	2.600		60.14		44750.0		AC32 BaseG	1.191		24.75		17194.3	
	ZA	1.010		20.14		12600.0		SCemento-2	0.472		9.44		6775.7	
	AC22 bin	1.032		20.63		14434.5		BBTM 11B	0.437		8.72		6307.8	
	Rellenos	1.797		34.71		22713.3								
111620.000	SCemento-1	1.927		45.27		44795.3		AC32 BaseG	0.832		20.23		17214.5	
	ZA	1.010		20.20		12620.2		SCemento-2	0.472		9.43		6785.1	
	AC22 bin	1.023		20.55		14455.1		BBTM 11B	0.436		8.73		6316.5	
	Rellenos	1.881		36.77		22750.1								
111640.000	SCemento-1	1.916		38.42		44833.7		AC32 BaseG	0.685		15.17		17229.6	
	ZA	1.010		20.20		12640.4		SCemento-2	0.472		9.43		6794.6	
	AC22 bin	0.836		18.59		14473.7		BBTM 11B	0.436		8.73		6325.3	
	Rellenos	1.928		38.09		22788.2								
111660.000	SCemento-1	2.154		40.70		44874.4		AC32 BaseG	0.780		14.65		17244.3	
	ZA	1.010		20.20		12660.6		SCemento-2	0.471		9.43		6804.0	
	AC22 bin	0.683		15.19		14488.9		BBTM 11B	0.435		8.72		6334.0	
	Rellenos	1.977		39.05		22827.2								
111680.000	SCemento-1	3.414		55.68		44930.1		AC32 BaseG	1.283		20.63		17264.9	
	ZA	1.010		20.20		12680.8		SCemento-2	0.471		9.43		6813.4	

111700.000	AC22 bin	1.033	17.16	14506.0	BBTM 11B	0.435	8.71	6342.7
	Rellenos	2.045	40.22	22867.4				
	SCemento-1	3.414	68.28	44998.3	AC32 BaseG	1.283	25.67	17290.6
	ZA	1.010	20.20	12701.0	SCemento-2	0.472	9.43	6822.9
	AC22 bin	1.031	20.64	14526.7	BBTM 11B	0.436	8.72	6351.4
	Rellenos	2.143	41.88	22909.3				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 80
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
***** CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
111720.000	SCemento-1	3.414		68.27		45066.6		AC32 BaseG	1.283		25.67		17316.3	
	ZA	1.010		20.20		12721.2		SCemento-2	0.472		9.44		6832.3	
	AC22 bin	1.031		20.62		14547.3		BBTM 11B	0.436		8.73		6360.1	
	Rellenos	2.240		43.83		22953.1								
111740.000	SCemento-1	3.414		68.27		45134.9		AC32 BaseG	1.283		25.67		17341.9	
	ZA	1.010		20.20		12741.4		SCemento-2	0.472		9.44		6841.7	
	AC22 bin	1.031		20.62		14567.9		BBTM 11B	0.436		8.73		6368.9	
	Rellenos	2.253		44.93		22998.1								
111760.000	SCemento-1	3.414		68.27		45203.2		AC32 BaseG	1.283		25.67		17367.6	
	ZA	1.010		20.20		12761.6		SCemento-2	0.472		9.44		6851.2	
	AC22 bin	1.031		20.62		14588.5		BBTM 11B	0.436		8.73		6377.6	
	Rellenos	2.242		44.95		23043.0								
111780.000	SCemento-1	3.414		68.28		45271.4		AC32 BaseG	1.283		25.66		17393.3	
	ZA	1.010		20.20		12781.8		SCemento-2	0.471		9.43		6860.6	
	AC22 bin	1.033		20.64		14609.2		BBTM 11B	0.435		8.72		6386.3	
	Rellenos	2.232		44.74		23087.8								
111800.000	SCemento-1	3.414		68.28		45339.7		AC32 BaseG	1.284		25.67		17418.9	
	ZA	1.010		20.20		12802.0		SCemento-2	0.472		9.44		6870.1	
	AC22 bin	1.031		20.64		14629.8		BBTM 11B	0.436		8.72		6395.0	
	Rellenos	2.221		44.53		23132.3								
111820.000	SCemento-1	3.414		68.27		45408.0		AC32 BaseG	1.284		25.67		17444.6	
	ZA	1.010		20.20		12822.2		SCemento-2	0.472		9.44		6879.5	
	AC22 bin	1.031		20.62		14650.4		BBTM 11B	0.436		8.73		6403.7	
	Rellenos	2.214		44.35		23176.7								
111840.000	SCemento-1	3.414		68.28		45476.3		AC32 BaseG	1.282		25.66		17470.3	
	ZA	1.010		20.20		12842.4		SCemento-2	0.472		9.44		6888.9	
	AC22 bin	1.031		20.62		14671.0		BBTM 11B	0.438		8.74		6412.5	
	Rellenos	2.209		44.23		23220.9								
111860.000	SCemento-1	3.414		68.28		45544.6		AC32 BaseG	1.284		25.66		17495.9	
	ZA	1.010		20.20		12862.6		SCemento-2	0.472		9.44		6898.4	
	AC22 bin	1.032		20.63		14691.7		BBTM 11B	0.436		8.73		6421.2	
	Rellenos	2.210		44.19		23265.1								
111880.000	SCemento-1	3.414		68.28		45612.8		AC32 BaseG	1.282		25.66		17521.6	
	ZA	1.010		20.20		12882.8		SCemento-2	0.472		9.44		6907.8	
	AC22 bin	1.031		20.63		14712.3		BBTM 11B	0.438		8.73		6430.0	
	Rellenos	2.211		44.21		23309.3								

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 81
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
111900.000	SCemento-1	3.414		68.28	45681.1	AC32 BaseG	1.283		25.65	17547.2
	ZA	1.010		20.20	12903.0	SCemento-2	0.472		9.44	6917.3
	AC22 bin	1.031		20.62	14732.9	BBTM 11B	0.436		8.74	6438.7
	Rellenos	2.212		44.23	23353.5					
111920.000	SCemento-1	3.414		68.28	45749.4	AC32 BaseG	1.284		25.67	17572.9
	ZA	1.010		20.20	12923.2	SCemento-2	0.471		9.44	6926.7
	AC22 bin	1.032		20.63	14753.5	BBTM 11B	0.435		8.72	6447.4
	Rellenos	2.212		44.24	23397.8					
111940.000	SCemento-1	3.413		68.27	45817.7	AC32 BaseG	1.284		25.68	17598.6
	ZA	1.010		20.20	12943.4	SCemento-2	0.472		9.43	6936.1
	AC22 bin	1.031		20.63	14774.2	BBTM 11B	0.436		8.72	6456.1
	Rellenos	2.211		44.24	23442.0					
111960.000	SCemento-1	3.414		68.26	45885.9	AC32 BaseG	1.283		25.68	17624.3
	ZA	1.010		20.21	12963.6	SCemento-2	0.472		9.44	6945.6
	AC22 bin	1.031		20.62	14794.8	BBTM 11B	0.436		8.73	6464.9
	Rellenos	2.211		44.22	23486.2					
111980.000	SCemento-1	3.414		68.28	45954.2	AC32 BaseG	1.283		25.67	17649.9
	ZA	1.010		20.20	12983.8	SCemento-2	0.471		9.44	6955.0
	AC22 bin	1.033		20.64	14815.4	BBTM 11B	0.435		8.72	6473.6
	Rellenos	2.210		44.21	23530.4					
112000.000	SCemento-1	3.413		68.27	46022.5	AC32 BaseG	1.284		25.67	17675.6
	ZA	1.010		20.20	13004.0	SCemento-2	0.472		9.43	6964.4
	AC22 bin	1.031		20.64	14836.1	BBTM 11B	0.436		8.72	6482.3
	Rellenos	2.208		44.18	23574.6					
112020.000	SCemento-1	3.414		68.27	46090.7	AC32 BaseG	1.283		25.67	17701.3
	ZA	1.010		20.20	13024.2	SCemento-2	0.472		9.44	6973.9
	AC22 bin	1.030		20.62	14856.7	BBTM 11B	0.436		8.73	6491.0
	Rellenos	2.206		44.15	23618.8					
112040.000	SCemento-1	3.414		68.28	46159.0	AC32 BaseG	1.283		25.66	17726.9
	ZA	1.010		20.20	13044.4	SCemento-2	0.472		9.44	6983.3
	AC22 bin	1.033		20.63	14877.3	BBTM 11B	0.435		8.72	6499.7
	Rellenos	2.204		44.11	23662.9					
112060.000	SCemento-1	3.414		68.28	46227.3	AC32 BaseG	1.284		25.67	17752.6
	ZA	1.010		20.20	13064.6	SCemento-2	0.472		9.44	6992.8

AC22 bin	1.031	20.63	14898.0	BBTM 11B	0.435	8.71	6508.4
Rellenos	2.201	44.05	23706.9				
Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 82							
PROYECTO : EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq. Tronco							

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
112080.000	SCemento-1	3.414		68.28	46295.6	AC32 BaseG	1.284		25.68	17778.3
	ZA	1.010		20.20	13084.8	SCemento-2	0.472		9.44	7002.2
	AC22 bin	1.032		20.62	14918.6	BBTM 11B	0.436		8.71	6517.2
	Rellenos	2.198		43.99	23750.9					
112100.000	SCemento-1	3.414		68.28	46363.9	AC32 BaseG	1.282		25.66	17803.9
	ZA	1.010		20.20	13105.0	SCemento-2	0.472		9.43	7011.6
	AC22 bin	1.032		20.64	14939.2	BBTM 11B	0.437		8.73	6525.9
	Rellenos	2.194		43.92	23794.8					
112120.000	SCemento-1	3.414		68.28	46432.1	AC32 BaseG	1.284		25.66	17829.6
	ZA	1.010		20.20	13125.2	SCemento-2	0.472		9.44	7021.1
	AC22 bin	1.031		20.63	14959.8	BBTM 11B	0.436		8.73	6534.6
	Rellenos	2.190		43.83	23838.7					
112140.000	SCemento-1	3.414		68.28	46500.4	AC32 BaseG	1.284		25.67	17855.3
	ZA	0.836		18.46	13143.6	SCemento-2	0.471		9.44	7030.5
	AC22 bin	1.032		20.63	14980.5	BBTM 11B	0.435		8.72	6543.3
	Rellenos	1.410		35.99	23874.7					
112160.000	SCemento-1	3.413		68.27	46568.7	AC32 BaseG	1.283		25.67	17880.9
	ZA	0.793		16.29	13159.9	SCemento-2	0.472		9.43	7039.9
	AC22 bin	1.031		20.63	15001.1	BBTM 11B	0.438		8.73	6552.1
	Rellenos	1.099		25.09	23899.7					
112180.000	SCemento-1	3.414		68.26	46637.0	AC32 BaseG	1.283		25.66	17906.6
	ZA	0.776		15.69	13175.6	SCemento-2	0.472		9.44	7049.4
	AC22 bin	1.031		20.62	15021.7	BBTM 11B	0.436		8.74	6560.8
	Rellenos	1.175		22.75	23922.5					
112200.000	SCemento-1	3.414		68.28	46705.2	AC32 BaseG	1.284		25.67	17932.3
	ZA	0.775		15.51	13191.1	SCemento-2	0.471		9.44	7058.8
	AC22 bin	1.032		20.63	15042.3	BBTM 11B	0.435		8.72	6569.5
	Rellenos	1.171		23.46	23946.0					
112220.000	SCemento-1	3.413		68.27	46773.5	AC32 BaseG	1.284		25.68	17958.0
	ZA	0.807		15.82	13206.9	SCemento-2	0.472		9.43	7068.3
	AC22 bin	1.031		20.63	15063.0	BBTM 11B	0.436		8.72	6578.2
	Rellenos	1.222		23.93	23969.9					
112240.000	SCemento-1	3.414		68.26	46841.8	AC32 BaseG	1.284		25.68	17983.6
	ZA	0.818		16.25	13223.2	SCemento-2	0.472		9.44	7077.7
	AC22 bin	1.030		20.62	15083.6	BBTM 11B	0.436		8.73	6587.0
	Rellenos	1.233		24.56	23994.4					

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
112440.000	SCemento-1 ZA AC22 bin Rellenos	2.495 1.010 1.020 1.808	51.80 20.20 21.95 34.96	47398.9 13423.2 15303.1 24370.2	AC32 BaseG SCemento-2 BBTM 11B	1.001 0.472 0.541	21.76 9.43 10.83	18214.1 7172.1 6685.5	
112460.000	SCemento-1 ZA AC22 bin Rellenos	2.994 1.009 1.059 1.678	54.89 20.19 20.80 34.87	47453.8 13443.3 15323.9 24405.0	AC32 BaseG SCemento-2 BBTM 11B	1.126 0.472 0.540	21.27 9.44 10.82	18235.4 7181.5 6696.4	
112480.000	SCemento-1 ZA AC22 bin Rellenos	2.488 1.004 0.910 1.677	54.82 20.13 19.69 33.55	47508.6 13463.5 15343.6 24438.6	AC32 BaseG SCemento-2 BBTM 11B	0.913 0.472 0.540	20.39 9.44 10.81	18255.7 7190.9 6707.2	
112500.000	SCemento-1 ZA AC22 bin Rellenos	2.371 1.008 1.070 1.733	48.59 20.12 19.80 34.10	47557.2 13483.6 15363.4 24472.7	AC32 BaseG SCemento-2 BBTM 11B	0.948 0.472 0.543	18.61 9.44 10.84	18274.4 7200.4 6718.0	
112520.000	SCemento-1 ZA AC22 bin Rellenos	2.501 1.010 1.003 1.814	48.73 20.18 20.73 35.47	47605.9 13503.8 15384.1 24508.2	AC32 BaseG SCemento-2 BBTM 11B	0.979 0.472 0.541	19.27 9.44 10.84	18293.6 7209.8 6728.9	
112540.000	SCemento-1 ZA AC22 bin Rellenos	1.930 1.004 1.150 1.695	44.32 20.14 21.53 35.09	47650.3 13523.9 15405.7 24543.2	AC32 BaseG SCemento-2 BBTM 11B	0.880 0.472 0.540	18.59 9.44 10.81	18312.2 7219.2 6739.7	
112560.000	SCemento-1 ZA AC22 bin Rellenos	1.859 1.004 1.118 1.715	37.89 20.08 22.68 34.10	47688.1 13544.0 15428.3 24577.3	AC32 BaseG SCemento-2 BBTM 11B	0.868 0.472 0.541	17.48 9.44 10.82	18329.7 7228.7 6750.5	
112580.000	SCemento-1 ZA AC22 bin Rellenos	2.791 1.004 0.931 1.742	46.49 20.08 20.49 34.58	47734.6 13564.1 15448.8 24611.9	AC32 BaseG SCemento-2 BBTM 11B	1.036 0.472 0.541	19.05 9.44 10.83	18348.7 7238.1 6761.3	
112600.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.006 1.276 1.787	70.79 20.10 22.08 35.30	47805.4 13584.2 15470.9 24647.2	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.541	26.70 9.44 10.83	18375.4 7247.6 6772.1	

Istram 18.05.05.29 17/07/18 18:00:44 459

pagina 85

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
112620.000	SCemento-1 ZA AC22 bin Rellenos	3.656 1.005 1.164 1.792	79.45 20.11 24.40 35.79	47884.9 13604.3 15495.3 24683.0	AC32 BaseG SCemento-2 BBTM 11B	1.381 0.472 0.540	30.14 9.44 10.82	18405.6 7257.0 6783.0	
112640.000	SCemento-1 ZA AC22 bin Rellenos	1.852 1.004 0.595 1.762	55.08 20.10 17.59 35.54	47940.0 13624.4 15512.9 24718.5	AC32 BaseG SCemento-2 BBTM 11B	0.660 0.472 0.543	20.41 9.44 10.83	18426.0 7266.4 6793.8	
112660.000	SCemento-1 ZA AC22 bin Rellenos	1.858 1.004 0.633 1.725	37.11 20.08 12.28 34.87	47977.1 13644.5 15525.2 24753.4	AC32 BaseG SCemento-2 BBTM 11B	0.660 0.472 0.543	13.19 9.43 10.86	18439.2 7275.9 6804.6	
112680.000	SCemento-1 ZA AC22 bin Rellenos	3.240 1.010 0.984 2.024	50.98 20.14 16.17 37.50	48028.0 13664.6 15541.3 24790.9	AC32 BaseG SCemento-2 BBTM 11B	1.216 0.472 0.541	18.75 9.44 10.83	18457.9 7285.3 6815.5	
112700.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.294	75.28 20.20 22.60 43.19	48103.3 13684.8 15563.9 24834.1	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.472 0.541	28.49 9.44 10.82	18486.4 7294.8 6826.3	
112720.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.399	85.77 20.20 25.51 46.93	48189.1 13705.0 15589.5 24881.0	AC32 BaseG SCemento-2 BBTM 11B	1.631 0.472 0.543	32.65 9.44 10.84	18519.1 7304.2 6837.1	
112740.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.406	85.78 20.20 25.51 48.05	48274.9 13725.2 15615.0 24929.1	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.472 0.540	32.65 9.44 10.83	18551.7 7313.6 6848.0	
112760.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.412	85.78 20.20 25.51 48.18	48360.7 13745.4 15640.5 24977.3	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.541	32.67 9.45 10.82	18584.4 7323.1 6858.8	
112780.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.417	85.78 20.20 25.52 48.30	48446.4 13765.6 15666.0 25025.6	AC32 BaseG SCemento-2 BBTM 11B	1.632 0.472 0.542	32.65 9.44 10.83	18617.1 7332.5 6869.6	

Istram 18.05.05.29 17/07/18 18:00:44 459

pagina 86

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
112800.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.423	85.77 20.20 25.52 48.40	48532.2 13785.8 15691.5 25074.0	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.473 0.540	32.66 9.45 10.82	18649.7 7342.0 6880.4	
112820.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.426	85.76 20.20 25.51 48.49	48618.0 13806.0 15717.0 25122.4	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.473 0.541	32.67 9.45 10.82	18682.4 7351.4 6891.3	
112840.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.421	85.78 20.20 25.52 48.47	48703.8 13826.2 15742.6 25170.9	AC32 BaseG SCemento-2 BBTM 11B	1.632 0.472 0.542	32.65 9.45 10.83	18715.0 7360.9 6902.1	
112860.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.417	85.78 20.20 25.54 48.38	48789.5 13846.4 15768.1 25219.3	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.540	32.65 9.44 10.82	18747.7 7370.3 6912.9	
112880.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.392	85.78 20.20 25.53 48.09	48875.3 13866.6 15793.6 25267.4	AC32 BaseG SCemento-2 BBTM 11B	1.631 0.472 0.543	32.64 9.44 10.83	18780.3 7379.8 6923.8	
112900.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.371	85.77 20.20 25.52 47.63	48961.1 13886.8 15819.1 25315.0	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.541	32.65 9.45 10.84	18813.0 7389.2 6934.6	
112920.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.351	85.76 20.20 25.52 47.21	49046.8 13907.0 15844.7 25362.2	AC32 BaseG SCemento-2 BBTM 11B	1.632 0.472 0.543	32.65 9.45 10.84	18845.6 7398.7 6945.4	
112940.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.307	85.76 20.20 25.51 46.58	49132.6 13927.2 15870.2 25408.8	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.473 0.540	32.66 9.45 10.83	18878.3 7408.1 6956.3	
112960.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.257	85.77 20.20 25.53 45.64	49218.4 13947.4 15895.7 25454.5	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.471 0.541	32.68 9.44 10.81	18911.0 7417.5 6967.1	

Istram 18.05.05.29 17/07/18 18:00:44 459

pagina 87

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
112980.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.198	85.78 20.20 25.54 44.55	49304.2 13967.6 15921.2 25499.0	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.541	32.67 9.43 10.82	18943.6 7427.0 6977.9	
113000.000	SCemento-1 ZA AC22 bin Rellenos	4.290 1.010 1.276 2.178	85.79 20.20 25.53 43.76	49389.9 13987.8 15946.8 25542.8	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.473 0.540	32.67 9.44 10.82	18976.3 7436.4 6988.7	
113020.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.172	85.78 20.20 25.51 43.50	49475.7 14008.0 15972.3 25586.3	AC32 BaseG SCemento-2 BBTM 11B	1.632 0.472 0.543	32.66 9.44 10.83	19009.0 7445.9 6999.6	
113040.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.153	85.76 20.20 25.52 43.25	49561.5 14028.2 15997.8 25629.5	AC32 BaseG SCemento-2 BBTM 11B	1.631 0.472 0.543	32.64 9.44 10.86	19041.6 7455.3 7010.4	
113060.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.276 2.176	85.77 20.20 25.52 43.29	49647.2 14048.4 16023.3 25672.8	AC32 BaseG SCemento-2 BBTM 11B	1.631 0.472 0.543	32.63 9.44 10.86	19074.2 7464.7 7021.3	
113080.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.194	85.78 20.20 25.53 43.70	49733.0 14068.6 16048.8 25716.5	AC32 BaseG SCemento-2 BBTM 11B	1.633 0.472 0.541	32.64 9.44 10.84	19106.9 7474.2 7032.1	
113100.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.233	85.77 20.20 25.53 44.27	49818.8 14088.8 16074.4 25760.8	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.472 0.541	32.66 9.44 10.83	19139.5 7483.6 7042.9	
113120.000	SCemento-1 ZA AC22 bin Rellenos	4.288 1.010 1.276 2.300	85.76 20.20 25.51 45.33	49904.6 14109.0 16099.9 25806.1	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.473 0.540	32.68 9.45 10.82	19172.2 7493.1 7053.8	
113140.000	SCemento-1 ZA AC22 bin Rellenos	4.289 1.010 1.277 2.063	85.77 20.20 25.53 43.63	49990.3 14129.2 16125.4 25849.7	AC32 BaseG SCemento-2 BBTM 11B	1.634 0.471 0.540	32.68 9.44 10.81	19204.9 7502.5 7064.6	

Istram 18.05.05.29 17/07/18 18:00:44 459

pagina 88

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

113160.000	SCemento-1	4.290	85.79	50076.1	AC32 BaseG	1.634	32.68	19237.6
	ZA	1.010	20.20	14149.4	SCemento-2	0.472	9.44	7511.9
	AC22 bin	1.276	25.53	16150.9	BBTM 11B	0.540	10.81	7075.4
	Rellenos	1.807	38.70	25888.4				
113180.000	SCemento-1	4.293	85.83	50161.9	AC32 BaseG	1.633	32.67	19270.2
	ZA	1.006	20.17	14169.6	SCemento-2	0.470	9.42	7521.4
	AC22 bin	1.276	25.51	16176.5	BBTM 11B	0.540	10.81	7086.2
	Rellenos	1.730	35.37	25923.8				
113200.000	SCemento-1	4.296	85.89	50247.8	AC32 BaseG	1.635	32.68	19302.9
	ZA	1.005	20.12	14189.7	SCemento-2	0.466	9.36	7530.7
	AC22 bin	1.276	25.52	16202.0	BBTM 11B	0.541	10.82	7097.0
	Rellenos	1.705	34.36	25958.2				
113220.000	SCemento-1	4.301	85.98	50333.8	AC32 BaseG	1.633	32.68	19335.6
	ZA	0.995	20.01	14209.7	SCemento-2	0.462	9.28	7540.0
	AC22 bin	1.277	25.53	16227.5	BBTM 11B	0.541	10.83	7107.8
	Rellenos	1.577	32.82	25991.0				
113240.000	SCemento-1	4.302	86.03	50419.8	AC32 BaseG	1.634	32.67	19368.3
	ZA	0.782	17.77	14227.5	SCemento-2	0.459	9.21	7549.2
	AC22 bin	1.277	25.54	16253.0	BBTM 11B	0.540	10.81	7118.6
	Rellenos	1.190	27.67	26018.7				
113260.000	SCemento-1	4.301	86.03	50505.9	AC32 BaseG	1.634	32.68	19401.0
	ZA	0.809	15.91	14243.4	SCemento-2	0.456	9.15	7558.4
	AC22 bin	1.276	25.53	16278.6	BBTM 11B	0.541	10.81	7129.5
	Rellenos	1.230	24.20	26042.9				
113280.000	SCemento-1	2.239	65.40	50571.3	AC32 BaseG	0.835	24.70	19425.7
	ZA	0.835	16.44	14259.8	SCemento-2	0.452	9.08	7567.4
	AC22 bin	0.821	20.97	16299.5	BBTM 11B	0.541	10.82	7140.3
	Rellenos	1.203	24.33	26067.2				
113300.000	SCemento-1	1.779	40.17	50611.5	AC32 BaseG	0.680	15.15	19440.8
	ZA	0.846	16.81	14276.6	SCemento-2	0.450	9.02	7576.5
	AC22 bin	0.841	16.63	16316.2	BBTM 11B	0.541	10.82	7151.1
	Rellenos	1.168	23.72	26090.9				
113320.000	SCemento-1	1.855	36.34	50647.8	AC32 BaseG	0.845	15.25	19456.0
	ZA	0.835	16.81	14293.4	SCemento-2	0.450	9.01	7585.5
	AC22 bin	1.271	21.12	16337.3	BBTM 11B	0.540	10.82	7161.9
	Rellenos	1.134	23.03	26113.9				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 89

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
113340.000	SCemento-1	2.404	42.59	50690.4	AC32 BaseG	1.235	20.80	19476.8
	ZA	0.817	16.51	14310.0	SCemento-2	0.451	9.01	7594.5
	AC22 bin	1.275	25.46	16362.7	BBTM 11B	0.542	10.82	7172.7
	Rellenos	1.092	22.27	26136.2				
113360.000	SCemento-1	2.781	51.85	50742.2	AC32 BaseG	1.364	25.99	19502.8
	ZA	1.002	18.19	14328.1	SCemento-2	0.450	9.01	7603.5
	AC22 bin	1.277	25.52	16388.3	BBTM 11B	0.541	10.83	7183.6
	Rellenos	1.535	26.27	26162.5				
113380.000	-	0.001	0.01	0.2	SCemento-1	2.507	52.87	50795.1
	AC32 BaseG	0.966	23.31	19526.2	ZA	0.985	19.87	14348.0
	SCemento-2	0.451	9.01	7612.5	AC22 bin	0.927	22.04	16410.3
	BBTM 11B	0.542	10.83	7194.4	Rellenos	1.961	34.96	26197.4
113400.000	SCemento-1	2.925	54.32	50849.4	AC32 BaseG	1.142	21.08	19547.2
	ZA	0.968	19.53	14367.5	SCemento-2	0.451	9.01	7621.5
	AC22 bin	1.017	19.44	16429.7	BBTM 11B	0.541	10.83	7205.2
	Rellenos	1.588	35.49	26232.9				
113420.000	SCemento-1	2.504	54.29	50903.7	AC32 BaseG	1.004	21.46	19568.7
	ZA	0.950	19.17	14386.7	SCemento-2	0.450	9.01	7630.5
	AC22 bin	0.939	19.56	16449.3	BBTM 11B	0.541	10.82	7216.1
	Rellenos	1.569	31.56	26264.5				
113440.000	SCemento-1	2.414	49.18	50952.9	AC32 BaseG	0.889	18.93	19587.6
	ZA	0.932	18.82	14405.5	SCemento-2	0.450	9.01	7639.5
	AC22 bin	1.189	21.27	16470.6	BBTM 11B	0.541	10.82	7226.9
	Rellenos	1.516	30.85	26295.3				
113460.000	SCemento-1	2.563	49.77	51002.7	AC32 BaseG	0.967	18.56	19606.2
	ZA	0.912	18.44	14424.0	SCemento-2	0.450	9.01	7648.5
	AC22 bin	1.040	22.28	16492.9	BBTM 11B	0.540	10.82	7237.7
	Rellenos	1.441	29.57	26324.9				
113480.000	SCemento-1	2.930	54.93	51057.6	AC32 BaseG	1.165	21.32	19627.5
	ZA	0.888	18.00	14442.0	SCemento-2	0.450	9.01	7657.5
	AC22 bin	1.056	20.96	16513.8	BBTM 11B	0.541	10.81	7248.5
	Rellenos	1.264	27.05	26351.9				
113500.000	SCemento-1	2.759	56.88	51114.5	AC32 BaseG	1.020	21.85	19649.4
	ZA	0.878	17.66	14459.6	SCemento-2	0.450	9.01	7666.6
	AC22 bin	0.975	20.31	16534.1	BBTM 11B	0.542	10.82	7259.3
	Rellenos	1.587	28.52	26380.5				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 90

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
113520.000	SCemento-1	2.805	55.64	51170.1	AC32 BaseG	1.039	20.59	19669.9
	ZA	0.863	17.40	14477.0	SCemento-2	0.452	9.02	7675.6
	AC22 bin	1.095	20.70	16554.8	BBTM 11B	0.541	10.82	7270.1

113540.000	Rellenos	1.565	31.52	26412.0				
	SCemento-1	2.825	56.31	51226.4	AC32 BaseG	1.053	20.91	19690.9
	ZA	0.848	17.10	14494.1	SCemento-2	0.453	9.05	7684.6
	AC22 bin	1.182	22.77	16577.6	BBTM 11B	0.541	10.82	7281.0
	Rellenos	1.595	31.60	26443.6				
113560.000	SCemento-1	2.811	56.36	51282.8	AC32 BaseG	1.193	22.46	19713.3
	ZA	0.834	16.82	14511.0	SCemento-2	0.456	9.09	7693.7
	AC22 bin	1.195	23.76	16601.4	BBTM 11B	0.541	10.82	7291.8
	Rellenos	1.569	31.64	26475.2				
113580.000	SCemento-1	3.409	62.20	51345.0	AC32 BaseG	1.420	26.13	19739.5
	ZA	0.831	16.65	14527.6	SCemento-2	0.458	9.14	7702.9
	AC22 bin	1.266	24.61	16626.0	BBTM 11B	0.541	10.82	7302.6
	Rellenos	1.426	29.94	26505.2				
113600.000	SCemento-1	3.609	70.18	51415.2	AC32 BaseG	1.357	27.77	19767.2
	ZA	0.829	16.60	14544.2	SCemento-2	0.460	9.18	7712.0
	AC22 bin	1.163	24.30	16650.3	BBTM 11B	0.541	10.82	7313.4
	Rellenos	1.318	27.44	26532.6				
113620.000	SCemento-1	3.152	67.62	51482.8	AC32 BaseG	1.218	25.76	19793.0
	ZA	0.827	16.56	14560.8	SCemento-2	0.462	9.22	7721.3
	AC22 bin	1.118	22.81	16673.1	BBTM 11B	0.541	10.82	7324.2
	Rellenos	1.300	26.18	26558.8				
113640.000	SCemento-1	3.375	65.28	51548.1	AC32 BaseG	1.436	26.55	19819.5
	ZA	0.829	16.56	14577.3	SCemento-2	0.465	9.27	7730.5
	AC22 bin	1.276	23.93	16697.0	BBTM 11B	0.541	10.82	7335.1
	Rellenos	1.233	25.33	26584.1				
113660.000	SCemento-1	4.295	76.71	51624.8	AC32 BaseG	1.632	30.69	19850.2
	ZA	0.818	16.47	14593.8	SCemento-2	0.467	9.32	7739.8
	AC22 bin	1.277	25.53	16722.5	BBTM 11B	0.541	10.82	7345.9
	Rellenos	1.122	23.55	26607.7				
113680.000	SCemento-1	4.293	85.88	51710.7	AC32 BaseG	1.634	32.67	19882.9
	ZA	0.683	15.01	14608.8	SCemento-2	0.469	9.36	7749.2
	AC22 bin	1.276	25.53	16748.1	BBTM 11B	0.541	10.82	7356.7
	Rellenos	0.870	19.92	26627.6				

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 91

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
113700.000	SCemento-1	4.290		85.83	51796.5	AC32 BaseG	1.634		32.68	19915.6
	ZA	0.683		13.65	14622.4	SCemento-2	0.471		9.40	7758.6
	AC22 bin	1.276		25.52	16773.6	BBTM 11B	0.541		10.82	7367.5
	Rellenos	0.864		17.34	26644.9					
113720.000	SCemento-1	3.397		76.88	51873.4	AC32 BaseG	1.283		29.17	19944.7
	ZA	0.670		13.53	14636.0	SCemento-2	0.486		9.57	7768.2
	AC22 bin	1.032		23.08	16796.7	BBTM 11B	0.436		9.77	7377.3
	Rellenos	0.830		16.94	26661.9					
113740.000	SCemento-1	3.371		67.69	51941.1	AC32 BaseG	1.283		25.66	19970.4
	ZA	0.651		13.21	14649.2	SCemento-2	0.508		9.94	7778.1
	AC22 bin	1.031		20.63	16817.3	BBTM 11B	0.435		8.71	7386.0
	Rellenos	0.781		16.11	26678.0					
113760.000	SCemento-1	3.360		67.31	52008.4	AC32 BaseG	1.280		25.63	19996.0
	ZA	0.643		12.94	14662.1	SCemento-2	0.519		10.27	7788.4
	AC22 bin	1.032		20.64	16837.9	BBTM 11B	0.436		8.71	7394.7
	Rellenos	0.759		15.41	26693.4					
113780.000	SCemento-1	3.354		67.14	52075.5	AC32 BaseG	1.282		25.62	20021.6
	ZA	0.647		12.89	14675.0	SCemento-2	0.524		10.43	7798.8
	AC22 bin	1.031		20.64	16858.6	BBTM 11B	0.436		8.72	7403.4
	Rellenos	0.766		15.26	26708.6					
113800.000	SCemento-1	3.349		67.04	52142.5	AC32 BaseG	1.281		25.63	20047.3
	ZA	0.655		13.01	14688.0	SCemento-2	0.528		10.52	7809.3
	AC22 bin	1.031		20.62	16879.2	BBTM 11B	0.437		8.73	7412.2
	Rellenos	0.781		15.48	26724.1					
113820.000	SCemento-1	3.345		66.94	52209.5	AC32 BaseG	1.280		25.61	20072.9
	ZA	0.659		13.14	14701.2	SCemento-2	0.528		10.56	7819.9
	AC22 bin	1.032		20.62	16899.8	BBTM 11B	0.436		8.73	7420.9
	Rellenos	0.782		15.64	26739.8					
113840.000	SCemento-1	3.339		66.84	52276.3	AC32 BaseG	1.281		25.61	20098.5
	ZA	0.662		13.21	14714.4	SCemento-2	0.528		10.56	7830.5
	AC22 bin	1.031		20.63	16920.5	BBTM 11B	0.436		8.72	7429.6
	Rellenos	0.782		15.64	26755.4					
113860.000	SCemento-1	3.338		66.76	52343.1	AC32 BaseG	1.280		25.61	20124.1
	ZA	0.663		13.26	14727.6	SCemento-2	0.527		10.55	7841.0
	AC22 bin	1.031		20.62	16941.1	BBTM 11B	0.437		8.73	7438.4
	Rellenos	0.778		15.60	26771.0					

113920.000	Rellenos	0.767	15.40	26801.9															
	SCemento-1	3.338	66.75	52543.3	AC32 BaseG	1.279	25.60	20200.9											
	ZA	0.657	13.18	14767.3	SCemento-2	0.527	10.54	7872.7											
113940.000	AC22 bin	1.031	20.62	17003.0	BBTM 11B	0.436	8.72	7464.5											
	Rellenos	0.759	15.26	26817.2															
	SCemento-1	3.338	66.76	52610.1	AC32 BaseG	1.278	25.57	20226.4											
113960.000	ZA	0.654	13.11	14780.4	SCemento-2	0.527	10.54	7883.2											
	AC22 bin	1.031	20.62	17023.6	BBTM 11B	0.437	8.73	7473.3											
	Rellenos	0.748	15.07	26832.3															
113980.000	SCemento-1	3.338	66.76	52676.8	AC32 BaseG	1.281	25.59	20252.0											
	ZA	0.649	13.02	14793.4	SCemento-2	0.527	10.54	7893.7											
	AC22 bin	1.031	20.62	17044.2	BBTM 11B	0.436	8.73	7482.0											
114000.000	Rellenos	0.735	14.83	26847.1															
	SCemento-1	3.337	66.75	52743.6	AC32 BaseG	1.280	25.60	20277.6											
	ZA	0.646	12.95	14806.4	SCemento-2	0.527	10.54	7904.3											
114020.000	AC22 bin	1.031	20.63	17064.8	BBTM 11B	0.436	8.72	7490.7											
	Rellenos	0.729	14.65	26861.7															
	SCemento-1	3.337	66.74	52810.3	AC32 BaseG	1.280	25.60	20303.2											
114040.000	ZA	0.649	12.95	14819.3	SCemento-2	0.527	10.54	7914.8											
	AC22 bin	1.031	20.63	17085.5	BBTM 11B	0.435	8.71	7499.4											
	Rellenos	0.734	14.63	26876.4															
114060.000	SCemento-1	3.337	66.75	52877.1	AC32 BaseG	1.280	25.60	20328.8											
	ZA	0.650	12.99	14832.3	SCemento-2	0.527	10.54	7925.4											
	AC22 bin	1.030	20.62	17106.1	BBTM 11B	0.436	8.71	7508.1											
114080.000	Rellenos	0.736	14.70	26891.1															
	SCemento-1	3.337	66.74	52943.8	AC32 BaseG	1.280	25.60	20354.4											
	ZA	0.651	13.01	14845.3	SCemento-2	0.527	10.54	7935.9											
114100.000	AC22 bin	1.030	20.61	17126.7	BBTM 11B	0.437	8.73	7516.9											
	Rellenos	0.737	14.74	26905.8															

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 93
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
114060.000	SCemento-1	3.337		66.75		53010.6		AC32 BaseG	1.280		25.60		20380.0	
	ZA	0.650		13.01		14858.3		SCemento-2	0.527		10.54		7946.4	
	AC22 bin	1.030		20.60		17147.3		BBTM 11B	0.437		8.74		7525.6	
	Rellenos	0.737		14.74		26920.5								
114080.000	SCemento-1	3.338		66.75		53077.3		AC32 BaseG	1.280		25.60		20405.6	
	ZA	0.657		13.08		14871.4		SCemento-2	0.528		10.55		7957.0	
	AC22 bin	1.030		20.61		17167.9		BBTM 11B	0.436		8.73		7534.3	
	Rellenos	0.747		14.83		26935.4								
114100.000	SCemento-1	3.338		66.76		53144.1		AC32 BaseG	1.280		25.60		20431.2	
	ZA	0.652		13.09		14884.5		SCemento-2	0.527		10.55		7967.5	
	AC22 bin	1.030		20.61		17188.5		BBTM 11B	0.436		8.72		7543.1	
	Rellenos	0.736		14.83		26950.2								
114120.000	SCemento-1	3.338		66.76		53210.8		AC32 BaseG	1.280		25.60		20456.8	
	ZA	0.642		12.93		14897.4		SCemento-2	0.527		10.54		7978.1	
	AC22 bin	1.030		20.60		17209.1		BBTM 11B	0.436		8.73		7551.8	
	Rellenos	0.723		14.59		26964.8								
114140.000	SCemento-1	3.338		66.76		53277.6		AC32 BaseG	1.280		25.60		20482.4	
	ZA	0.603		12.45		14909.9		SCemento-2	0.528		10.55		7988.6	
	AC22 bin	1.030		20.61		17229.7		BBTM 11B	0.436		8.73		7560.5	
	Rellenos	0.704		14.27		26979.1								
114160.000	SCemento-1	3.338		66.76		53344.4		AC32 BaseG	1.280		25.60		20508.0	
	ZA	0.770		13.73		14923.6		SCemento-2	0.527		10.55		7999.2	
	AC22 bin	1.030		20.61		17250.3		BBTM 11B	0.436		8.72		7569.2	
	Rellenos	0.943		16.48		26995.5								
114180.000	SCemento-1	3.338		66.76		53411.1		AC32 BaseG	1.279		25.59		20533.6	
	ZA	0.768		15.37		14939.0		SCemento-2	0.527		10.54		8009.7	
	AC22 bin	1.031		20.61		17270.9		BBTM 11B	0.436		8.73		7578.0	
	Rellenos	1.052		19.96		27015.5								
114200.000	SCemento-1	3.337		66.75		53477.9		AC32 BaseG	1.280		25.59		20559.2	
	ZA	0.760		15.27		14954.3		SCemento-2	0.527		10.54		8020.3	
	AC22 bin	1.032		20.63		17291.6		BBTM 11B	0.435		8.72		7586.7	
	Rellenos	1.352		24.04		27039.5								
114220.000	SCemento-1	3.338		66.75		53544.6		AC32 BaseG	1.280		25.59		20584.8	
	ZA	0.751		15.10		14969.4		SCemento-2	0.527		10.54		8030.8	
	AC22 bin	1.030		20.62		17312.2		BBTM 11B	0.437		8.72		7595.4	
	Rellenos	1.346		26.98		27066.5								

Istram 18.05.05.29 17/07/18 18:00:44 459 pagina 94
PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****													
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
114240.000	SCemento-1	3.338		66.76	53611.4	AC32 BaseG	1.280		25.60	20610.4			
	ZA	0.742		14.93	14984.3	SCemento-2	0.527		10.54	8041.3			
	AC22 bin	1.030		20.60	17332.8	BBTM 11B	0.436		8.73	7604.1			
	Rellenos	1.328		26.74	27093.3								
114260.000	SCemento-1	3.338		66.76	53678.1	AC32 BaseG	1.280		25.60	20636.0			
	ZA	0.722		14.64	14998.9	SCemento-2	0.528		10.55	8051.9			
	AC22 bin	1.030		20.61	17353.4	BBTM 11B	0.436		8.72	7612.9			
	Rellenos	0.849		21.77	27115.0								
114280.000	SCemento-1	3.338		66.76	53744.9	AC32 BaseG	1.280		25.60	20661.6			
	ZA	0.559		12.81	15011.7	SCemento-2	0.527		10.55	8062.4			
	AC22 bin	1.031		20.62	17374.0	BBTM 11B	0.435		8.72	7621.6			

114300.000	Rellenos	0.594	14.42	27129.4						
	SCemento-1	3.337	66.76	53811.7	AC32 BaseG	1.280	25.60	20687.2		
	ZA	0.505	10.65	15022.4	SCemento-2	0.527	10.54	8073.0		
	AC22 bin	1.031	20.62	17394.6	BBTM 11B	0.436	8.72	7630.3		
114320.000	Rellenos	0.548	11.42	27140.9						
	SCemento-1	3.338	66.75	53878.4	AC32 BaseG	1.281	25.61	20712.8		
	ZA	0.707	12.13	15034.5	SCemento-2	0.527	10.54	8083.5		
	AC22 bin	1.031	20.62	17415.3	BBTM 11B	0.436	8.72	7639.0		
114340.000	Rellenos	1.328	18.76	27159.6						
	SCemento-1	3.338	66.75	53945.2	AC32 BaseG	1.279	25.59	20738.4		
	ZA	0.697	14.05	15048.6	SCemento-2	0.528	10.56	8094.1		
	AC22 bin	1.032	20.63	17435.9	BBTM 11B	0.435	8.71	7647.7		
114360.000	Rellenos	1.335	26.63	27186.2						
	SCemento-1	2.594	59.31	54004.5	AC32 BaseG	0.985	22.63	20761.1		
	ZA	0.523	12.20	15060.8	SCemento-2	0.527	10.56	8104.6		
	AC22 bin	0.857	18.89	17454.8	BBTM 11B	0.436	8.71	7656.4		
114380.000	Rellenos	0.561	18.96	27205.2						
	SCemento-1	1.951	45.45	54049.9	AC32 BaseG	0.849	18.34	20779.4		
	ZA	0.511	10.34	15071.1	SCemento-2	0.528	10.55	8115.2		
	AC22 bin	0.957	18.14	17472.9	BBTM 11B	0.436	8.72	7665.2		
114400.000	Rellenos	0.560	11.21	27216.4						
	SCemento-1	1.968	39.19	54089.1	AC32 BaseG	0.785	16.34	20795.7		
	ZA	0.538	10.49	15081.6	SCemento-2	0.528	10.55	8125.7		
	AC22 bin	0.751	17.08	17490.0	BBTM 11B	0.436	8.73	7673.9		
	Rellenos	0.569	11.29	27227.7						

114680.000	Rellenos	0.571	10.83	27343.8					
	SCemento-1	4.190	84.86	55136.1	AC32 BaseG	1.594	32.30	21197.3	
	ZA	0.523	10.24	15213.6	SCemento-2	0.451	9.01	8257.5	
114700.000	AC22 bin	1.247	25.24	17817.4	BBTM 11B	0.528	10.69	7815.9	
	Rellenos	0.590	11.61	27355.4					
	SCemento-1	4.059	82.49	55218.6	AC32 BaseG	1.542	31.36	21228.6	
114720.000	ZA	0.521	10.43	15224.0	SCemento-2	0.451	9.01	8266.5	
	AC22 bin	1.210	24.57	17841.9	BBTM 11B	0.513	10.41	7826.3	
	Rellenos	0.602	11.93	27367.3					
114740.000	SCemento-1	3.929	79.88	55298.5	AC32 BaseG	1.491	30.33	21258.9	
	ZA	0.514	10.35	15234.3	SCemento-2	0.451	9.02	8275.5	
	AC22 bin	1.173	23.84	17865.8	BBTM 11B	0.497	10.10	7836.4	
114760.000	Rellenos	0.589	11.91	27379.2					
	SCemento-1	3.800	77.29	55375.7	AC32 BaseG	1.437	29.28	21288.2	
	ZA	0.506	10.20	15244.5	SCemento-2	0.450	9.01	8284.5	
114770.000	AC22 bin	1.139	23.12	17888.9	BBTM 11B	0.481	9.78	7846.2	
	Rellenos	0.573	11.62	27390.9					
	SCemento-1	3.670	74.70	55450.4	AC32 BaseG	1.386	28.24	21316.5	
114780.000	ZA	0.501	10.07	15254.6	SCemento-2	0.450	9.00	8293.5	
	AC22 bin	1.102	22.41	17911.3	BBTM 11B	0.466	9.47	7855.7	
	Rellenos	0.560	11.33	27402.2					

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 97

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
114780.000	SCemento-1	3.541	72.11	55522.5	AC32 BaseG	1.334	27.21	21343.7	
	ZA	0.497	9.98	15264.6	SCemento-2	0.450	9.00	8302.5	
	AC22 bin	1.065	21.66	17933.0	BBTM 11B	0.451	9.17	7864.9	
114800.000	Rellenos	0.552	11.12	27413.3					
	SCemento-1	3.420	69.61	55592.2	AC32 BaseG	1.285	26.19	21369.9	
	ZA	0.683	11.80	15276.4	SCemento-2	0.450	9.01	8311.5	
	AC22 bin	1.031	20.95	17953.9	BBTM 11B	0.437	8.88	7873.7	
114820.000	Rellenos	0.874	14.26	27427.6					
	SCemento-1	3.421	68.41	55660.6	AC32 BaseG	1.286	25.71	21395.6	
	ZA	0.717	14.00	15290.4	SCemento-2	0.451	9.01	8320.5	
	AC22 bin	1.031	20.62	17974.6	BBTM 11B	0.437	8.74	7882.5	
114840.000	Rellenos	0.917	17.92	27445.5					
	SCemento-1	3.420	68.41	55729.0	AC32 BaseG	1.286	25.72	21421.3	
	ZA	0.743	14.60	15305.0	SCemento-2	0.450	9.01	8329.5	
	AC22 bin	1.031	20.62	17995.2	BBTM 11B	0.437	8.73	7891.2	
114860.000	Rellenos	0.965	18.82	27464.3					
	SCemento-1	3.420	68.40	55797.4	AC32 BaseG	1.287	25.73	21447.0	
	ZA	0.743	14.86	15319.8	SCemento-2	0.451	9.01	8338.6	
	AC22 bin	1.031	20.62	18015.8	BBTM 11B	0.436	8.73	7899.9	
114880.000	Rellenos	1.015	19.80	27484.1					
	SCemento-1	3.420	68.40	55865.8	AC32 BaseG	1.287	25.74	21472.8	
	ZA	0.743	14.86	15334.7	SCemento-2	0.451	9.01	8347.6	
	AC22 bin	1.031	20.62	18036.4	BBTM 11B	0.436	8.73	7908.7	
114900.000	Rellenos	1.054	20.69	27504.8					
	SCemento-1	3.420	68.40	55934.2	AC32 BaseG	1.286	25.73	21498.5	
	ZA	0.621	13.64	15348.3	SCemento-2	0.451	9.01	8356.6	
	AC22 bin	1.031	20.62	18057.0	BBTM 11B	0.437	8.73	7917.4	
114920.000	Rellenos	0.784	18.39	27523.2					
	SCemento-1	3.421	68.41	56002.6	AC32 BaseG	1.286	25.73	21524.2	
	ZA	0.502	11.23	15359.6	SCemento-2	0.451	9.01	8365.6	
	AC22 bin	1.031	20.62	18077.6	BBTM 11B	0.437	8.73	7926.1	
114940.000	Rellenos	0.564	13.48	27536.7					
	SCemento-1	3.420	68.41	56071.0	AC32 BaseG	1.287	25.73	21549.9	
	ZA	0.434	9.36	15368.9	SCemento-2	0.451	9.01	8374.6	
	AC22 bin	1.030	20.61	18098.3	BBTM 11B	0.437	8.73	7934.9	
	Rellenos	0.410	9.74	27546.4					

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 98

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
114960.000	SCemento-1	3.417	68.37	56139.4	AC32 BaseG	1.287	25.74	21575.7	
	ZA	0.418	8.51	15377.4	SCemento-2	0.451	9.01	8383.6	
	AC22 bin	1.031	20.61	18118.9	BBTM 11B	0.436	8.73	7943.6	
114980.000	Rellenos	0.366	7.76	27554.2					
	SCemento-1	3.420	68.37	56207.7	AC32 BaseG	1.287	25.74	21601.4	
	ZA	0.447	8.64	15386.1	SCemento-2	0.451	9.01	8392.6	
	AC22 bin	1.031	20.62	18139.5	BBTM 11B	0.436	8.73	7952.3	
115000.000	Rellenos	0.440	8.06	27562.2					
	SCemento-1	3.420	68.40	56276.1	AC32 BaseG	1.286	25.73	21627.1	
	ZA	0.528	9.74	15395.8	SCemento-2	0.451	9.01	8401.6	
	AC22 bin	1.031	20.62	18160.1	BBTM 11B	0.437	8.73	7961.1	
115020.000	Rellenos	0.617	10.57	27572.8					
	SCemento-1	3.420	68.40	56344.5	AC32 BaseG	1.287	25.73	21652.9	
	ZA	0.660	11.88	15407.7	SCemento-2	0.451	9.01	8410.6	
	AC22 bin	1.031	20.62	18180.7	BBTM 11B	0.436	8.73	7969.8	
115040.000	Rellenos	0.839	14.56	27587.4					
	SCemento-1	3.419	68.39	56412.9	AC32 BaseG	1.285	25.72	21678.6	
	ZA	0.679	13.39	15421.1	SCemento-2	0.450	9.01	8419.6	
	AC22 bin	1.031	20.62	18201.3	BBTM 11B	0.437	8.74	7978.5	

115060.000	Rellenos	0.863	17.01	27604.4					
	SCemento-1	3.422	68.42	56481.3	AC32 BaseG	1.284	25.70	21704.3	
	ZA	0.689	13.68	15434.8	SCemento-2	0.450	9.01	8428.7	
115080.000	AC22 bin	1.032	20.64	18222.0	BBTM 11B	0.436	8.73	7987.2	
	Rellenos	0.891	17.54	27621.9					
	SCemento-1	3.424	68.46	56549.8	AC32 BaseG	1.285	25.69	21730.0	
115100.000	ZA	0.699	13.88	15448.6	SCemento-2	0.451	9.02	8437.7	
	AC22 bin	1.030	20.63	18242.6	BBTM 11B	0.436	8.72	7996.0	
	Rellenos	0.919	18.11	27640.0					
115120.000	SCemento-1	3.425	68.49	56618.3	AC32 BaseG	1.286	25.70	21755.7	
	ZA	0.707	14.05	15462.7	SCemento-2	0.452	9.03	8446.7	
	AC22 bin	1.032	20.62	18263.2	BBTM 11B	0.435	8.71	8004.7	
115140.000	Rellenos	0.948	18.68	27658.7					
	SCemento-1	2.950	63.75	56682.0	AC32 BaseG	1.095	23.81	21779.5	
	ZA	0.979	16.86	15479.5	SCemento-2	0.457	9.09	8455.8	
115160.000	AC22 bin	0.900	19.31	18282.5	BBTM 11B	0.436	8.71	8013.4	
	Rellenos	1.478	24.26	27683.0					

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 99

PROYECTO :
EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
CAPAS DE FIRME														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
115140.000	SCemento-1		3.425		63.75		56745.8	AC32 BaseG		1.284		23.79		21803.3
	ZA		0.798		17.78		15497.3	SCemento-2		0.463		9.20		8465.0
	AC22 bin		1.033		19.32		18301.8	BBTM 11B		0.435		8.71		8022.1
	Rellenos		1.130		26.08		27709.0							
115160.000	SCemento-1		3.417		68.42		56814.2	AC32 BaseG		1.284		25.68		21829.0
	ZA		0.833		16.31		15513.6	SCemento-2		0.469		9.32		8474.3
	AC22 bin		1.031		20.63		18322.5	BBTM 11B		0.436		8.71		8030.8
	Rellenos		1.140		22.70		27731.7							
115180.000	SCemento-1		3.415		68.32		56882.5	AC32 BaseG		1.284		25.68		21854.6
	ZA		0.855		16.87		15530.5	SCemento-2		0.472		9.41		8483.7
	AC22 bin		1.031		20.62		18343.1	BBTM 11B		0.435		8.72		8039.5
	Rellenos		1.143		22.83		27754.6							
115200.000	SCemento-1		3.413		68.28		56950.8	AC32 BaseG		1.284		25.68		21880.3
	ZA		0.862		17.17		15547.7	SCemento-2		0.472		9.44		8493.2
	AC22 bin		1.031		20.62		18363.7	BBTM 11B		0.436		8.72		8048.3
	Rellenos		1.154		22.97		27777.5							
115220.000	SCemento-1		3.414		68.27		57019.1	AC32 BaseG		1.282		25.66		21906.0
	ZA		0.866		17.29		15565.0	SCemento-2		0.472		9.44		8502.6
	AC22 bin		1.033		20.64		18384.4	BBTM 11B		0.435		8.72		8057.0
	Rellenos		1.167		23.21		27800.7							
115240.000	SCemento-1		3.414		68.28		57087.4	AC32 BaseG		1.284		25.66		21931.6
	ZA		0.868		17.34		15582.3	SCemento-2		0.471		9.43		8512.0
	AC22 bin		1.032		20.65		18405.0	BBTM 11B		0.435		8.71		8065.7
	Rellenos		1.183		23.50		27824.2							
115260.000	SCemento-1		3.414		68.28		57155.6	AC32 BaseG		1.284		25.68		21957.3
	ZA		0.868		17.36		15599.7	SCemento-2		0.471		9.43		8521.5
	AC22 bin		1.032		20.64		18425.6	BBTM 11B		0.435		8.71		8074.4
	Rellenos		1.200		23.83		27848.1							
115280.000	SCemento-1		3.413		68.27		57223.9	AC32 BaseG		1.284		25.68		21983.0
	ZA		0.868		17.36		15617.0	SCemento-2		0.472		9.43		8530.9
	AC22 bin		1.031		20.63		18446.3	BBTM 11B		0.436		8.72		8083.1
	Rellenos		1.216		24.16		27872.2							
115300.000	SCemento-1		3.414		68.27		57292.2	AC32 BaseG		1.282		25.66		22008.6
	ZA		0.868		17.36		15634.4	SCemento-2		0.472		9.44		8540.3
	AC22 bin		1.032		20.63		18466.9	BBTM 11B		0.437		8.73		8091.8
	Rellenos		1.232		24.48		27896.7							

115440.000	Rellenos	2.253	44.89	28108.7									
	SCemento-1	3.414	68.28	57743.0	AC32 BaseG	1.282	25.66	22181.4					
	ZA	1.010	20.20	15767.9	SCemento-2	0.472	9.44	8606.4					
115460.000	AC22 bin	1.032	20.63	18608.4	BBTM 11B	0.437	8.73	8152.9					
	Rellenos	2.270	45.23	28154.0									
	SCemento-1	3.415	68.29	57811.3	AC32 BaseG	1.284	25.66	22207.1					
115480.000	ZA	1.010	20.20	15788.1	SCemento-2	0.472	9.44	8615.8					
	AC22 bin	1.031	20.63	18629.1	BBTM 11B	0.435	8.72	8161.6					
	Rellenos	2.286	45.56	28199.5									
	SCemento-1	3.414	68.29	57879.6	AC32 BaseG	1.284	25.68	22232.7					
	ZA	1.010	20.20	15808.3	SCemento-2	0.472	9.45	8625.3					
	AC22 bin	1.031	20.62	18649.7	BBTM 11B	0.435	8.71	8170.3					
	Rellenos	2.301	45.87	28245.4									

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 101
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
* * * CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

115500.000	SCemento-1		3.414		68.29		57947.8	AC32 BaseG		1.284		25.68		22258.4
	ZA		1.010		20.20		15828.5	SCemento-2		0.472		9.45		8634.7
	AC22 bin		1.031		20.61		18670.3	BBTM 11B		0.435		8.71		8179.0
	Rellenos		2.316		46.17		28291.6							
115520.000	SCemento-1		3.414		68.28		58016.1	AC32 BaseG		1.283		25.67		22284.1
	ZA		1.010		20.20		15848.7	SCemento-2		0.471		9.44		8644.2
	AC22 bin		1.033		20.64		18690.9	BBTM 11B		0.435		8.71		8187.7
	Rellenos		2.331		46.47		28338.0							
115540.000	SCemento-1		3.414		68.28		58084.4	AC32 BaseG		1.283		25.66		22309.7
	ZA		1.010		20.20		15868.9	SCemento-2		0.472		9.43		8653.6
	AC22 bin		1.031		20.64		18711.6	BBTM 11B		0.436		8.72		8196.4
	Rellenos		2.344		46.75		28384.8							
115560.000	SCemento-1		3.414		68.28		58152.7	AC32 BaseG		1.284		25.67		22335.4
	ZA		1.010		20.20		15889.1	SCemento-2		0.472		9.43		8663.0
	AC22 bin		1.032		20.63		18732.2	BBTM 11B		0.435		8.72		8205.1
	Rellenos		2.357		47.01		28431.8							
115580.000	SCemento-1		3.414		68.28		58221.0	AC32 BaseG		1.284		25.68		22361.1
	ZA		1.002		20.12		15909.2	SCemento-2		0.472		9.44		8672.5
	AC22 bin		1.031		20.63		18752.8	BBTM 11B		0.435		8.71		8213.9
	Rellenos		1.704		40.62		28472.4							
115600.000	SCemento-1		3.414		68.28		58289.2	AC32 BaseG		1.283		25.67		22386.8
	ZA		1.010		20.12		15929.3	SCemento-2		0.472		9.45		8681.9
	AC22 bin		1.031		20.62		18773.5	BBTM 11B		0.436		8.72		8222.6
	Rellenos		1.984		36.88		28509.3							
115620.000	SCemento-1		3.414		68.27		58357.5	AC32 BaseG		1.283		25.67		22412.4
	ZA		1.010		20.20		15949.5	SCemento-2		0.472		9.44		8691.4
	AC22 bin		1.031		20.62		18794.1	BBTM 11B		0.436		8.73		8231.3
	Rellenos		2.375		43.58		28552.9							
115640.000	SCemento-1		3.414		68.27		58425.8	AC32 BaseG		1.283		25.67		22438.1
	ZA		1.010		20.20		15969.7	SCemento-2		0.472		9.44		8700.8
	AC22 bin		1.031		20.62		18814.7	BBTM 11B		0.436		8.73		8240.0
	Rellenos		2.298		46.73		28599.6							
115660.000	SCemento-1		3.414		68.27		58494.1	AC32 BaseG		1.283		25.67		22463.8
	ZA		0.758		17.68		15987.4	SCemento-2		0.472		9.44		8710.2
	AC22 bin		1.031		20.62		18835.3	BBTM 11B		0.436		8.73		8248.8
	Rellenos		1.279		35.77		28635.4							

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 102
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
***** CAPAS DE FIRME * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
115680.000	SCemento-1	3.414		68.27		58562.3		AC32 BaseG	1.283		25.67		22489.4	
	ZA	0.820		15.78		16003.2		SCemento-2	0.472		9.44		8719.7	
	AC22 bin	1.031		20.62		18856.0		BBTM 11B	0.436		8.73		8257.5	
	Rellenos	1.437		27.17		28662.5								
115700.000	SCemento-1	3.414		68.27		58630.6		AC32 BaseG	1.283		25.67		22515.1	
	ZA	0.819		16.38		16019.5		SCemento-2	0.472		9.44		8729.1	
	AC22 bin	1.031		20.62		18876.6		BBTM 11B	0.436		8.73		8266.2	
	Rellenos	1.436		28.73		28691.3								
115720.000	SCemento-1	3.414		68.27		58698.9		AC32 BaseG	1.283		25.67		22540.8	
	ZA	0.822		16.41		16036.0		SCemento-2	0.472		9.44		8738.6	
	AC22 bin	1.031		20.62		18897.2		BBTM 11B	0.436		8.73		8274.9	
	Rellenos	1.441		28.77		28720.0								
115740.000	SCemento-1	3.414		68.27		58767.2		AC32 BaseG	1.283		25.67		22566.5	
	ZA	0.819		16.41		16052.4		SCemento-2	0.472		9.44		8748.0	
	AC22 bin	1.031		20.62		18917.8		BBTM 11B	0.436		8.73		8283.7	
	Rellenos	1.443		28.83		28748.9								
115760.000	SCemento-1	1.977		53.90		58821.1		AC32 BaseG	0.722		20.05		22586.5	
	ZA	0.832		16.51		16068.9		SCemento-2	0.472		9.44		8757.4	
	AC22 bin	0.746		17.77		18935.6		BBTM 11B	0.436		8.73		8292.4	
	Rellenos	1.455		28.97		28777.8								
115780.000	SCemento-1	1.976		39.52		58860.6		AC32 BaseG	0.845		15.67		22602.2	
	ZA	0.868		17.00		16085.9		SCemento-2	0.472		9.44		8766.9	
	AC22 bin	0.988		17.33		18952.9		BBTM 11B	0.436		8.73		8301.1	
	Rellenos	1.460		29.14		28807.0								
115800.000	SCemento-1	2.325		43.01		58903.6		AC32 BaseG	1.095		19.40		22621.6	
	ZA	0.868		17.36		16103.2		SCemento-2	0.472		9.44		8776.3	
	AC22 bin	1.033		20.20		18973.1		BBTM 11B	0.435		8.72		8309.8	

115820.000	Rellenos	1.458	29.18	28836.2									
	SCemento-1	3.414	57.39	58961.0	AC32 BaseG	1.284	23.79	22645.4					
	ZA	0.868	17.36	16120.6	SCemento-2	0.471	9.43	8785.7					
115840.000	AC22 bin	1.032	20.65	18993.8	BBTM 11B	0.435	8.71	8318.5					
	Rellenos	1.454	29.12	28865.3									
	SCemento-1	3.413	68.27	59029.2	AC32 BaseG	1.284	25.68	22671.0					
	ZA	0.868	17.36	16138.0	SCemento-2	0.472	9.43	8795.2					
	AC22 bin	1.031	20.63	19014.4	BBTM 11B	0.436	8.72	8327.3					
	Rellenos	1.446	28.99	28894.3									

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 103
PROYECTO :
EJE: 2: Autov^{de} de Castilla A-62: Due^s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
***** CAPAS DE FIRME*****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
115860.000	SCemento-1	3.414		68.27		59097.5		AC32 BaseG	1.282		25.66		22696.7	
	ZA	0.868		17.36		16155.3		SCemento-2	0.472		9.44		8804.6	
	AC22 bin	1.031		20.62		19035.0		BBTM 11B	0.438		8.74		8336.0	
	Rellenos	1.436		28.82		28923.1								
115880.000	SCemento-1	3.414		68.28		59165.8		AC32 BaseG	1.283		25.65		22722.4	
	ZA	0.868		17.36		16172.7		SCemento-2	0.472		9.44		8814.1	
	AC22 bin	1.031		20.62		19055.7		BBTM 11B	0.436		8.74		8344.7	
	Rellenos	1.423		28.60		28951.7								
115900.000	SCemento-1	1.978		53.92		59219.7		AC32 BaseG	0.906		21.89		22744.3	
	ZA	0.868		17.36		16190.0		SCemento-2	0.472		9.44		8823.5	
	AC22 bin	1.030		20.61		19076.3		BBTM 11B	0.436		8.73		8353.5	
	Rellenos	1.406		28.29		28980.0								
115920.000	SCemento-1	1.979		39.57		59259.3		AC32 BaseG	0.710		16.16		22760.4	
	ZA	0.867		17.35		16207.4		SCemento-2	0.472		9.43		8832.9	
	AC22 bin	0.777		18.07		19094.3		BBTM 11B	0.435		8.72		8362.2	
	Rellenos	1.386		27.92		29007.9								
115940.000	SCemento-1	2.689		46.68		59306.0		AC32 BaseG	0.993		17.03		22777.4	
	ZA	0.868		17.35		16224.7		SCemento-2	0.472		9.43		8842.4	
	AC22 bin	0.830		16.07		19110.4		BBTM 11B	0.437		8.72		8370.9	
	Rellenos	1.371		27.57		29035.5								
115960.000	SCemento-1	3.414		61.03		59367.0		AC32 BaseG	1.283		22.76		22800.2	
	ZA	0.865		17.33		16242.1		SCemento-2	0.472		9.44		8851.8	
	AC22 bin	1.031		18.61		19129.0		BBTM 11B	0.436		8.73		8379.6	
	Rellenos	1.363		27.35		29062.8								
115980.000	SCemento-1	3.413		68.27		59435.2		AC32 BaseG	1.284		25.67		22825.9	
	ZA	0.864		17.29		16259.3		SCemento-2	0.472		9.44		8861.2	
	AC22 bin	1.031		20.62		19149.6		BBTM 11B	0.436		8.73		8388.4	
	Rellenos	1.356		27.20		29090.0								
116000.000	SCemento-1	3.414		68.27		59503.5		AC32 BaseG	1.284		25.68		22851.6	
	ZA	0.816		16.80		16276.1		SCemento-2	0.472		9.44		8870.7	
	AC22 bin	1.031		20.62		19170.3		BBTM 11B	0.435		8.72		8397.1	
	Rellenos	1.333		26.89		29116.9								
116020.000	SCemento-1	3.415		68.29		59571.8		AC32 BaseG	1.284		25.68		22877.2	
	ZA	0.777		15.94		16292.1		SCemento-2	0.472		9.45		8880.1	
	AC22 bin	1.031		20.62		19190.9		BBTM 11B	0.435		8.71		8405.8	
	Rellenos	1.267		26.00		29142.9								

	Rellenos	1.482	28.03	29343.5				
116200.000	SCemento-1	3.414	68.29	60186.3	AC32 BaseG	1.283	25.67	23108.2
	ZA	0.989	19.41	16441.3	SCemento-2	0.471	9.44	8965.1
	AC22 bin	1.033	20.64	19376.5	BBTM 11B	0.435	8.71	8484.3
	Rellenos	1.503	29.86	29373.4				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 105
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116220.000	SCemento-1	3.414	68.28	60254.6	AC32 BaseG	1.284	25.67	23133.9
	ZA	0.960	19.49	16460.8	SCemento-2	0.471	9.43	8974.5
	AC22 bin	1.031	20.64	19397.1	BBTM 11B	0.436	8.72	8493.0
116240.000	Rellenos	1.469	29.72	29403.1				
	SCemento-1	3.414	68.28	60322.9	AC32 BaseG	1.282	25.66	23159.6
	ZA	0.994	19.53	16480.4	SCemento-2	0.472	9.43	8984.0
	AC22 bin	1.033	20.64	19417.8	BBTM 11B	0.435	8.72	8501.7
116260.000	Rellenos	1.482	29.51	29432.6				
	SCemento-1	3.414	68.28	60391.2	AC32 BaseG	1.284	25.66	23185.2
	ZA	0.991	19.85	16500.2	SCemento-2	0.472	9.44	8993.4
	AC22 bin	1.032	20.65	19438.4	BBTM 11B	0.435	8.71	8510.4
116280.000	Rellenos	1.465	29.47	29462.1				
	SCemento-1	3.414	68.28	60459.5	AC32 BaseG	1.283	25.67	23210.9
	ZA	0.956	19.47	16519.7	SCemento-2	0.472	9.43	9002.8
	AC22 bin	1.033	20.65	19459.1	BBTM 11B	0.435	8.71	8519.1
116300.000	Rellenos	1.420	28.85	29491.0				
	SCemento-1	3.414	68.28	60527.7	AC32 BaseG	1.284	25.67	23236.6
	ZA	0.962	19.18	16538.9	SCemento-2	0.472	9.44	9021.3
	AC22 bin	1.030	20.63	19479.7	BBTM 11B	0.436	8.72	8527.9
116320.000	Rellenos	1.414	28.34	29519.3				
	SCemento-1	3.414	68.28	60596.0	AC32 BaseG	1.284	25.68	23262.2
	ZA	0.936	18.99	16557.9	SCemento-2	0.472	9.44	9021.7
	AC22 bin	1.031	20.61	19500.3	BBTM 11B	0.435	8.72	8536.6
116340.000	Rellenos	1.353	27.68	29547.0				
	SCemento-1	3.414	68.28	60664.3	AC32 BaseG	1.283	25.67	23287.9
	ZA	0.821	17.57	16575.4	SCemento-2	0.472	9.44	9031.1
	AC22 bin	1.031	20.62	19520.9	BBTM 11B	0.436	8.72	8545.3
116360.000	Rellenos	1.120	24.73	29571.7				
	SCemento-1	3.414	68.28	60732.6	AC32 BaseG	1.284	25.67	23313.6
	ZA	0.802	16.23	16591.7	SCemento-2	0.471	9.43	9040.6
	AC22 bin	1.032	20.63	19541.6	BBTM 11B	0.435	8.72	8554.0
116380.000	Rellenos	1.081	22.00	29593.7				
	SCemento-1	3.414	68.28	60800.9	AC32 BaseG	1.282	25.66	23339.2
	ZA	0.787	15.89	16607.6	SCemento-2	0.472	9.43	9050.0
	AC22 bin	1.033	20.65	19562.2	BBTM 11B	0.435	8.71	8562.7
	Rellenos	1.057	21.38	29615.1				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 106
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116400.000	SCemento-1	3.414	68.28	60869.1	AC32 BaseG	1.282	25.64	23364.9
	ZA	0.846	16.33	16623.9	SCemento-2	0.472	9.44	9059.5
	AC22 bin	1.031	20.63	19582.8	BBTM 11B	0.438	8.73	8571.5
116420.000	Rellenos	1.189	22.46	29637.6				
	SCemento-1	3.413	68.27	60937.4	AC32 BaseG	1.283	25.65	23390.5
	ZA	0.969	18.15	16642.0	SCemento-2	0.472	9.44	9068.9
	AC22 bin	1.031	20.62	19603.5	BBTM 11B	0.438	8.75	8580.2
116440.000	Rellenos	2.032	32.21	29669.8				
	SCemento-1	3.413	68.26	61005.7	AC32 BaseG	1.284	25.67	23416.2
	ZA	0.956	19.25	16661.3	SCemento-2	0.472	9.43	9078.3
	AC22 bin	1.031	20.62	19624.1	BBTM 11B	0.436	8.74	8588.9
116460.000	Rellenos	2.016	40.48	29710.3				
	SCemento-1	3.413	68.26	61073.9	AC32 BaseG	1.284	25.68	23441.9
	ZA	0.943	18.99	16680.3	SCemento-2	0.472	9.44	9087.8
	AC22 bin	1.031	20.62	19644.7	BBTM 11B	0.436	8.73	8597.7
116480.000	Rellenos	1.997	40.12	29750.4				
	SCemento-1	3.413	68.26	61142.2	AC32 BaseG	1.284	25.68	23467.6
	ZA	0.928	18.71	16699.0	SCemento-2	0.472	9.44	9097.2
	AC22 bin	1.031	20.62	19665.3	BBTM 11B	0.436	8.73	8606.4
116500.000	Rellenos	1.975	39.72	29790.1				
	SCemento-1	3.414	68.27	61210.5	AC32 BaseG	1.284	25.68	23493.2
	ZA	0.913	18.42	16717.4	SCemento-2	0.472	9.44	9106.6
	AC22 bin	1.031	20.62	19685.9	BBTM 11B	0.436	8.73	8615.1
116520.000	Rellenos	1.952	39.28	29829.4				
	SCemento-1	3.414	68.29	61278.7	AC32 BaseG	1.284	25.68	23518.9
	ZA	0.898	18.11	16735.5	SCemento-2	0.472	9.44	9116.1
	AC22 bin	1.031	20.62	19706.6	BBTM 11B	0.435	8.72	8623.8
116540.000	Rellenos	1.927	38.79	29868.2				
	SCemento-1	3.414	68.29	61347.0	AC32 BaseG	1.284	25.68	23544.6
	ZA	0.882	17.80	16753.3	SCemento-2	0.472	9.45	9125.5
	AC22 bin	1.031	20.61	19727.2	BBTM 11B	0.435	8.71	8632.6
116560.000	Rellenos	1.906	38.33	29906.5				
	SCemento-1	3.414	68.29	61415.3	AC32 BaseG	1.284	25.68	23570.3
	ZA	0.867	17.49	16770.8	SCemento-2	0.472	9.45	9135.0
	AC22 bin	1.031	20.61	19747.8	BBTM 11B	0.435	8.71	8641.3

Rellenos 1.872 37.78 29944.3
Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 107
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116580.000	SCemento-1	3.415	68.29	61483.6	AC32 BaseG	1.284	25.68	23596.0
	ZA	0.853	17.21	16788.0	SCemento-2	0.472	9.45	9144.4
	AC22 bin	1.031	20.62	19768.4	BBTM 11B	0.435	8.71	8650.0
116600.000	Rellenos	1.610	34.82	29979.1				
	SCemento-1	2.559	59.74	61543.3	AC32 BaseG	0.944	22.28	23618.2
	ZA	0.841	16.94	16805.0	SCemento-2	0.471	9.44	9153.9
	AC22 bin	0.883	19.14	19787.5	BBTM 11B	0.435	8.71	8658.7
116620.000	Rellenos	1.473	30.82	30009.9				
	SCemento-1	2.419	49.78	61593.1	AC32 BaseG	0.945	18.89	23637.1
	ZA	0.828	16.69	16821.6	SCemento-2	0.471	9.43	9163.3
	AC22 bin	0.912	17.95	19805.5	BBTM 11B	0.435	8.71	8667.4
116640.000	Rellenos	1.339	28.12	30038.0				
	SCemento-1	2.417	48.36	61641.5	AC32 BaseG	0.975	19.20	23656.3
	ZA	0.799	16.27	16837.9	SCemento-2	0.472	9.43	9172.7
	AC22 bin	0.924	18.37	19823.9	BBTM 11B	0.435	8.71	8676.1
116660.000	Rellenos	1.092	24.31	30062.4				
	SCemento-1	2.388	48.05	61689.5	AC32 BaseG	0.940	19.15	23675.5
	ZA	0.771	15.70	16853.6	SCemento-2	0.473	9.45	9182.2
	AC22 bin	0.909	18.33	19842.2	BBTM 11B	0.437	8.72	8684.8
116680.000	Rellenos	1.107	21.99	30084.3				
	SCemento-1	2.319	47.07	61736.6	AC32 BaseG	0.846	17.86	23693.3
	ZA	0.749	15.19	16868.8	SCemento-2	0.472	9.45	9191.6
	AC22 bin	0.823	17.32	19859.5	BBTM 11B	0.437	8.73	8693.5
116700.000	Rellenos	0.979	20.86	30105.2				
	SCemento-1	1.933	42.52	61779.1	AC32 BaseG	0.691	15.37	23708.7
	ZA	0.728	14.77	16883.6	SCemento-2	0.472	9.44	9201.1
	AC22 bin	0.779	16.02	19875.5	BBTM 11B	0.438	8.74	8702.3
116720.000	Rellenos	0.920	18.99	30124.2				
	SCemento-1	1.922	38.55	61817.7	AC32 BaseG	0.800	14.91	23723.6
	ZA	0.530	12.58	16896.2	SCemento-2	0.471	9.44	9210.5
	AC22 bin	1.011	17.91	19893.5	BBTM 11B	0.438	8.75	8711.0
116740.000	Rellenos	0.610	15.30	30139.5				
	SCemento-1	2.087	40.09	61857.7	AC32 BaseG	1.120	19.19	23742.8
	ZA	0.708	12.38	16908.6	SCemento-2	0.472	9.43	9219.9
	AC22 bin	1.031	20.43	19913.9	BBTM 11B	0.436	8.74	8719.8
	Rellenos	0.870	14.80	30154.3				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 108
PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** CAPAS DE FIRME * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
116760.000	SCemento-1	1.895	39.82	61897.6	AC32 BaseG	1.001	21.21	23764.0
	ZA	0.697	14.05	16922.6	SCemento-2	0.473	9.45	9229.4
	AC22 bin	1.031	20.62	19934.5	BBTM 11B	0.436	8.73	8728.5
	Rellenos	0.968	18.38	30172.7				
116780.000	SCemento-1	2.780	46.75	61944.3	AC32 BaseG	1.102	21.03	23785.0
	ZA	0.687	13.84	16936.4	SCemento-2	0.472	9.45	9238.8
	AC22 bin	1.031	20.62	19955.1	BBTM 11B	0.436	8.73	8737.2
	Rellenos	1.102	20.70	30193.4				
116800.000	SCemento-1	2.402	51.82	61996.1	AC32 BaseG	1.006	21.08	23806.1
	ZA	0.686	13.73	16950.2	SCemento-2	0.472	9.44	9248.3
	AC22 bin	1.029	20.60	19975.7	BBTM 11B	0.436	8.73	8746.0
	Rellenos	1.299	24.01	30217.4				
116820.000	SCemento-1	2.350	47.52	62043.7	AC32 BaseG	0.985	19.92	23826.0
	ZA	0.683	13.69	16963.9	SCemento-2	0.472	9.44	9257.7
	AC22 bin	1.031	20.60	19996.3	BBTM 11B	0.436	8.73	8754.7
	Rellenos	1.211	25.10	30242.5				
116840.000	SCemento-1	1.887	42.37	62086.0	AC32 BaseG	0.890	18.75	23844.8
	ZA	0.684	13.67	16977.5	SCemento-2	0.472	9.45	9267.2
	AC22 bin	1.031	20.61	20016.9	BBTM 11B	0.436	8.73	8763.4
	Rellenos	1.105	23.16	30265.6				
116860.000	SCemento-1	1.811	36.99	62123.0	AC32 BaseG	0.646	15.37	23860.2
	ZA	0.686	13.70	16991.2	SCemento-2	0.472	9.44	9276.6
	AC22 bin	0.891	19.22	20036.2	BBTM 11B	0.436	8.73	8772.1
	Rellenos	1.030	21.35	30287.0				
116880.000	SCemento-1	1.878	36.89	62159.9	AC32 BaseG	0.699	13.45	23873.6
	ZA	0.676	13.62	17004.9	SCemento-2	0.472	9.43	9286.0
	AC22 bin	0.862	17.53	20053.7	BBTM 11B	0.438	8.74	8780.9
	Rellenos	0.826	18.56	30305.6				
116900.000	SCemento-1	1.775	36.52	62196.4	AC32 BaseG	0.671	13.70	23887.3
	ZA	0.483	11.59	17016.4	SCemento-2	0.472	9.43	9295.5
	AC22 bin	0.970	18.32	20072.0	BBTM 11B	0.438	8.75	8789.6
	Rellenos	0.482	13.07	30318.6				
116920.000	SCemento-1	1.752	35.27	62231.7	AC32 BaseG	0.677	13.48	23900.8
	ZA	0.492	9.74	17026.2	SCemento-2	0.471	9.43	9304.9
	AC22 bin	0.961	19.31	20091.3	BBTM 11B	0.438	8.75	8798.4
	Rellenos	0.474	9.55	30328.2				

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
116940.000	SCemento-1	1.744	34.96	62266.7	AC32 BaseG	0.669	13.45	23914.2	
	ZA	0.489	9.80	17036.0	SCemento-2	0.472	9.43	9314.3	
	AC22 bin	0.916	18.76	20110.1	BBTM 11B	0.436	8.74	8807.1	
	Rellenos	0.472	9.46	30337.6					
116960.000	SCemento-1	1.691	34.34	62301.0	AC32 BaseG	0.682	13.50	23927.7	
	ZA	0.675	11.64	17047.6	SCemento-2	0.472	9.44	9323.8	
	AC22 bin	1.026	19.42	20129.5	BBTM 11B	0.436	8.73	8815.8	
	Rellenos	0.708	11.81	30349.4					
116980.000	SCemento-1	1.722	34.13	62335.1	AC32 BaseG	0.759	14.41	23942.1	
	ZA	0.488	11.63	17059.3	SCemento-2	0.472	9.44	9333.2	
	AC22 bin	1.031	20.57	20150.1	BBTM 11B	0.436	8.73	8824.6	
	Rellenos	0.464	11.73	30361.2					
117000.000	SCemento-1	1.712	34.34	62369.5	AC32 BaseG	0.768	15.27	23957.4	
	ZA	0.493	9.81	17069.1	SCemento-2	0.472	9.44	9342.6	
	AC22 bin	1.024	20.54	20170.6	BBTM 11B	0.436	8.73	8833.3	
	Rellenos	0.462	9.26	30370.4					
117020.000	SCemento-1	1.764	34.76	62404.2	AC32 BaseG	1.037	18.05	23975.5	
	ZA	0.492	9.85	17078.9	SCemento-2	0.471	9.43	9352.1	
	AC22 bin	1.031	20.55	20191.2	BBTM 11B	0.436	8.73	8842.0	
	Rellenos	0.488	9.50	30379.9					
117040.000	SCemento-1	2.014	37.79	62442.0	AC32 BaseG	1.159	21.97	23997.4	
	ZA	0.494	9.86	17088.8	SCemento-2	0.472	9.44	9361.5	
	AC22 bin	1.030	20.62	20211.8	BBTM 11B	0.436	8.73	8850.8	
	Rellenos	0.474	9.62	30389.5					
117060.000	SCemento-1	2.719	47.34	62489.4	AC32 BaseG	1.266	24.25	24021.7	
	ZA	0.499	9.93	17098.7	SCemento-2	0.471	9.44	9370.9	
	AC22 bin	1.032	20.63	20232.4	BBTM 11B	0.435	8.72	8859.5	
	Rellenos	0.487	9.60	30399.1					
117080.000	SCemento-1	3.410	61.29	62550.6	AC32 BaseG	1.283	25.49	24047.2	
	ZA	0.510	10.09	17108.8	SCemento-2	0.472	9.44	9380.4	
	AC22 bin	1.031	20.63	20253.0	BBTM 11B	0.436	8.72	8868.2	
	Rellenos	0.522	10.09	30409.2					
117100.000	SCemento-1	3.404	68.13	62618.8	AC32 BaseG	1.284	25.67	24072.9	
	ZA	0.504	10.14	17118.9	SCemento-2	0.472	9.45	9389.8	
	AC22 bin	1.031	20.62	20273.7	BBTM 11B	0.435	8.72	8876.9	
	Rellenos	0.499	10.22	30419.5					

Istram 18.05.05.29 17/07/18 18:00:45 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
117120.000	SCemento-1	2.378	57.82	62676.6	AC32 BaseG	1.115	23.98	24096.8	
	ZA	0.502	10.06	17129.0	SCemento-2	0.472	9.44	9399.3	
	AC22 bin	1.031	20.62	20294.3	BBTM 11B	0.438	8.73	8885.6	
	Rellenos	0.497	9.96	30429.4					
117140.000	SCemento-1	1.735	41.13	62717.7	AC32 BaseG	0.654	17.69	24114.5	
	ZA	0.677	11.79	17140.8	SCemento-2	0.471	9.43	9408.7	
	AC22 bin	0.904	19.35	20313.6	BBTM 11B	0.438	8.75	8894.4	
	Rellenos	0.841	13.38	30442.8					
117160.000	SCemento-1	2.466	42.01	62759.7	AC32 BaseG	0.905	15.60	24130.1	
	ZA	0.690	13.66	17154.4	SCemento-2	0.472	9.43	9418.1	
	AC22 bin	0.766	16.70	20330.3	BBTM 11B	0.436	8.74	8903.1	
	Rellenos	1.122	19.63	30462.4					
117180.000	SCemento-1	3.414	58.80	62818.5	AC32 BaseG	1.283	21.89	24152.0	
	ZA	0.692	13.82	17168.3	SCemento-2	0.472	9.44	9427.6	
	AC22 bin	1.031	17.97	20348.3	BBTM 11B	0.436	8.73	8911.8	
	Rellenos	1.477	25.99	30488.4					
117200.000	SCemento-1	3.414	68.28	62886.8	AC32 BaseG	1.284	25.67	24177.7	
	ZA	0.694	13.87	17182.1	SCemento-2	0.472	9.44	9437.0	
	AC22 bin	1.031	20.62	20368.9	BBTM 11B	0.435	8.72	8920.6	
	Rellenos	1.482	29.59	30518.0					
117220.000	SCemento-1	3.411	68.25	62955.1	AC32 BaseG	1.283	25.67	24203.4	
	ZA	0.687	13.81	17195.9	SCemento-2	0.472	9.44	9446.5	
	AC22 bin	1.031	20.62	20389.5	BBTM 11B	0.438	8.73	8929.3	
	Rellenos	1.458	29.41	30547.4					
117240.000	SCemento-1	3.414	68.25	63023.3	AC32 BaseG	1.282	25.65	24229.0	
	ZA	0.720	14.07	17210.0	SCemento-2	0.472	9.44	9455.9	
	AC22 bin	1.032	20.63	20410.2	BBTM 11B	0.437	8.74	8938.0	
	Rellenos	1.543	30.01	30577.4					
117260.000	SCemento-1	3.414	68.28	63091.6	AC32 BaseG	1.282	25.64	24254.6	
	ZA	0.719	14.39	17224.4	SCemento-2	0.472	9.44	9465.3	
	AC22 bin	1.033	20.64	20430.8	BBTM 11B	0.435	8.72	8946.8	
	Rellenos	1.540	30.83	30608.3					
117280.000	SCemento-1	3.414	68.28	63159.9	AC32 BaseG	1.283	25.65	24280.3	
	ZA	0.723	14.42	17238.8	SCemento-2	0.471	9.43	9474.8	
	AC22 bin	1.033	20.66	20451.5	BBTM 11B	0.435	8.71	8955.5	
	Rellenos	1.551	30.91	30639.2					

Istram 18.05.05.29 17/07/18 18:00:45 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
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***** * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
117300.000	SCemento-1	3.414	68.28	63228.2	AC32 BaseG	1.283	25.66	24305.9	
	ZA	0.697	14.20	17253.0	SCemento-2	0.471	9.43	9484.2	
	AC22 bin	1.033	20.66	20472.1	BBTM 11B	0.435	8.71	8964.2	
	Rellenos	1.488	30.39	30669.6					
117320.000	SCemento-1	3.414	68.28	63296.4	AC32 BaseG	1.284	25.67	24331.6	
	ZA	0.750	14.47	17267.5	SCemento-2	0.471	9.43	9493.6	
	AC22 bin	1.032	20.65	20492.8	BBTM 11B	0.435	8.71	8972.9	
	Rellenos	1.615	31.02	30700.6					
117340.000	SCemento-1	3.498	69.12	63365.6	AC32 BaseG	1.317	26.01	24357.6	
	ZA	0.762	15.12	17282.6	SCemento-2	0.472	9.44	9503.1	
	AC22 bin	1.054	20.86	20513.6	BBTM 11B	0.447	8.82	8981.7	
	Rellenos	1.643	32.57	30733.2					
117360.000	SCemento-1	3.627	71.25	63436.8	AC32 BaseG	1.369	26.86	24384.5	
	ZA	0.731	14.93	17297.5	SCemento-2	0.472	9.45	9512.5	
	AC22 bin	1.091	21.44	20535.1	BBTM 11B	0.461	9.08	8990.8	
	Rellenos	1.569	32.12	30765.3					
117380.000	SCemento-1	3.757	73.85	63510.7	AC32 BaseG	1.420	27.89	24412.4	
	ZA	0.707	14.38	17311.9	SCemento-2	0.472	9.44	9522.0	
	AC22 bin	1.127	22.18	20557.2	BBTM 11B	0.477	9.39	9000.2	
	Rellenos	1.513	30.81	30796.1					
117400.000	SCemento-1	3.887	76.44	63587.1	AC32 BaseG	1.472	28.93	24441.3	
	ZA	0.758	14.66	17326.6	SCemento-2	0.473	9.45	9531.4	
	AC22 bin	1.163	22.90	20580.1	BBTM 11B	0.493	9.71	9009.9	
	Rellenos	1.634	31.47	30827.6					
117420.000	SCemento-1	4.016	79.03	63666.1	AC32 BaseG	1.525	29.97	24471.3	
	ZA	0.780	15.38	17342.0	SCemento-2	0.472	9.45	9540.8	
	AC22 bin	1.199	23.62	20603.8	BBTM 11B	0.508	10.01	9019.9	
	Rellenos	1.683	33.18	30860.7					
117440.000	SCemento-1	4.145	81.61	63747.7	AC32 BaseG	1.577	31.01	24502.3	
	ZA	0.578	13.58	17355.5	SCemento-2	0.472	9.44	9550.3	
	AC22 bin	1.235	24.35	20628.1	BBTM 11B	0.525	10.33	9030.2	
	Rellenos	0.751	24.35	30885.1					
117460.000	SCemento-1	4.275	84.20	63831.9	AC32 BaseG	1.628	32.05	24534.3	
	ZA	0.622	12.00	17367.5	SCemento-2	0.471	9.43	9559.7	
	AC22 bin	1.273	25.08	20653.2	BBTM 11B	0.539	10.64	9040.9	
	Rellenos	0.837	15.88	30901.0					

Istram 18.05.05.29 17/07/18 18:00:45 459

PROYECTO :

EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
117480.000	SCemento-1	3.736		80.11	63912.1	AC32 BaseG	1.466		30.95 24565.3
	ZA	0.416		10.37	17377.9	SCemento-2	0.471		9.43 9569.1
	AC22 bin	1.175		24.49	20677.7	BBTM 11B	0.501		10.40 9051.3
	Rellenos	0.259		10.96	30911.9				
117500.000	SCemento-1	3.780		75.16	63987.2	AC32 BaseG	1.484		29.51 24594.8
	ZA	0.416		8.31	17386.2	SCemento-2	0.471		9.43 9578.6
	AC22 bin	1.188		23.64	20701.3	BBTM 11B	0.505		10.06 9061.3
	Rellenos	0.260		5.19	30917.1				
117520.000	SCemento-1	3.824		76.03	64063.2	AC32 BaseG	1.500		29.84 24624.6
	ZA	0.415		8.31	17394.5	SCemento-2	0.472		9.43 9588.0
	AC22 bin	1.199		23.87	20725.2	BBTM 11B	0.513		10.18 9071.5
	Rellenos	0.259		5.19	30922.3				
117540.000	SCemento-1	3.869		76.93	64140.2	AC32 BaseG	1.520		30.20 24654.8
	ZA	0.682		10.98	17405.5	SCemento-2	0.473		9.45 9597.5
	AC22 bin	1.211		24.10	20749.3	BBTM 11B	0.516		10.29 9081.8
	Rellenos	1.331		15.90	30938.2				
117560.000	SCemento-1	3.917		77.86	64218.0	AC32 BaseG	1.537		30.57 24685.4
	ZA	0.683		13.65	17419.2	SCemento-2	0.472		9.45 9606.9
	AC22 bin	1.224		24.35	20773.7	BBTM 11B	0.522		10.38 9092.2
	Rellenos	1.330		26.61	30964.8				
117580.000	SCemento-1	3.967		78.84	64296.9	AC32 BaseG	1.556		30.93 24716.3
	ZA	0.682		13.65	17432.8	SCemento-2	0.473		9.45 9616.4
	AC22 bin	1.237		24.61	20798.3	BBTM 11B	0.527		10.49 9102.7
	Rellenos	1.331		26.61	30991.4				
117600.000	SCemento-1	4.019		79.86	64376.7	AC32 BaseG	1.573		31.29 24747.6
	ZA	0.682		13.65	17446.5	SCemento-2	0.473		9.45 9625.8
	AC22 bin	1.249		24.86	20823.1	BBTM 11B	0.533		10.60 9113.3
	Rellenos	1.330		26.61	31018.0				
117620.000	SCemento-1	4.074		80.94	64457.7	AC32 BaseG	1.590		31.63 24779.2
	ZA	0.683		13.65	17460.1	SCemento-2	0.472		9.45 9635.3
	AC22 bin	1.263		25.12	20848.2	BBTM 11B	0.539		10.72 9124.0
	Rellenos	1.330		26.61	31044.7				
117640.000	SCemento-1	4.132		82.06	64539.7	AC32 BaseG	1.609		31.98 24811.2
	ZA	0.682		13.65	17473.8	SCemento-2	0.472		9.44 9644.7
	AC22 bin	1.275		25.38	20873.6	BBTM 11B	0.543		10.82 9134.8
	Rellenos	1.333		26.64	31071.3				

117660.000	SCemento-1	3.318	74.50	64614.2	AC32 BaseG	1.282	28.90	24840.1
	ZA	0.682	13.65	17487.4	SCemento-2	0.472	9.44	9654.1
	AC22 bin	1.032	23.07	20896.7	BBTM 11B	0.436	9.79	9144.6
	Rellenos	1.351	26.84	31098.1				
117680.000	SCemento-1	3.377	66.96	64681.2	AC32 BaseG	1.284	25.66	24865.8
	ZA	0.682	13.65	17501.0	SCemento-2	0.472	9.44	9663.6
	AC22 bin	1.031	20.62	20917.3	BBTM 11B	0.435	8.71	9153.3
	Rellenos	1.389	27.40	31125.5				
117700.000	SCemento-1	3.411	67.88	64749.1	AC32 BaseG	1.282	25.66	24891.4
	ZA	0.685	13.68	17514.7	SCemento-2	0.472	9.44	9673.0
	AC22 bin	1.031	20.62	20937.9	BBTM 11B	0.438	8.73	9162.1
	Rellenos	1.452	28.40	31153.9				
117720.000	SCemento-1	3.414	68.24	64817.3	AC32 BaseG	1.283	25.65	24917.1
	ZA	1.010	16.96	17531.7	SCemento-2	0.472	9.44	9682.5
	AC22 bin	1.031	20.62	20958.5	BBTM 11B	0.436	8.74	9170.8
	Rellenos	2.164	36.16	31190.1				
117740.000	SCemento-1	3.414	68.28	64885.6	AC32 BaseG	1.282	25.65	24942.8
	ZA	1.010	20.20	17551.9	SCemento-2	0.472	9.44	9691.9
	AC22 bin	1.031	20.62	20979.2	BBTM 11B	0.438	8.74	9179.5
	Rellenos	2.101	42.65	31232.7				
117760.000	SCemento-1	3.414	68.28	64953.9	AC32 BaseG	1.284	25.66	24968.4
	ZA	0.999	20.09	17572.0	SCemento-2	0.472	9.45	9701.3
	AC22 bin	1.031	20.62	20999.8	BBTM 11B	0.435	8.73	9188.3
	Rellenos	2.073	41.74	31274.5				
117780.000	SCemento-1	3.414	68.28	65022.2	AC32 BaseG	1.282	25.66	24994.1
	ZA	0.951	19.50	17591.5	SCemento-2	0.472	9.44	9710.8
	AC22 bin	1.031	20.62	21020.4	BBTM 11B	0.438	8.73	9197.0
	Rellenos	2.007	40.80	31315.3				
117800.000	SCemento-1	3.414	68.27	65090.4	AC32 BaseG	1.284	25.65	25019.7
	ZA	0.991	19.42	17610.9	SCemento-2	0.472	9.44	9720.2
	AC22 bin	1.031	20.62	21041.0	BBTM 11B	0.436	8.73	9205.7
	Rellenos	2.046	40.54	31355.8				
117820.000	SCemento-1	3.400	68.14	65158.6	AC32 BaseG	1.283	25.66	25045.4
	ZA	1.006	19.97	17630.9	SCemento-2	0.484	9.57	9729.8
	AC22 bin	1.031	20.62	21061.6	BBTM 11B	0.436	8.72	9214.4
	Rellenos	1.679	37.26	31393.1				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 114

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
117840.000	SCemento-1	3.385		67.85	65226.4	AC32 BaseG	1.283	25.66
	ZA	0.834		18.40	17649.3	SCemento-2	0.496	9.80
	AC22 bin	1.032		20.63	21082.3	BBTM 11B	0.436	8.72
	Rellenos	1.199		28.78	31421.9			
117860.000	SCemento-1	3.371		67.57	65294.0	AC32 BaseG	1.282	25.64
	ZA	0.882		17.16	17666.4	SCemento-2	0.508	10.04
	AC22 bin	1.031		20.63	21102.9	BBTM 11B	0.436	8.73
	Rellenos	1.206		24.05	31445.9			
117880.000	SCemento-1	3.363		67.34	65361.3	AC32 BaseG	1.282	25.63
	ZA	0.885		17.66	17684.1	SCemento-2	0.516	10.25
	AC22 bin	1.031		20.62	21123.5	BBTM 11B	0.436	8.73
	Rellenos	1.182		23.88	31469.8			
117900.000	SCemento-1	3.363		67.26	65428.6	AC32 BaseG	1.280	25.62
	ZA	0.885		17.69	17701.8	SCemento-2	0.517	10.33
	AC22 bin	1.031		20.62	21144.1	BBTM 11B	0.436	8.73
	Rellenos	1.182		23.64	31493.4			
117920.000	SCemento-1	3.363		67.26	65495.8	AC32 BaseG	1.281	25.61
	ZA	0.885		17.69	17719.5	SCemento-2	0.516	10.33
	AC22 bin	1.031		20.62	21164.7	BBTM 11B	0.436	8.73
	Rellenos	1.183		23.65	31517.1			
117940.000	SCemento-1	3.363		67.26	65563.1	AC32 BaseG	1.282	25.63
	ZA	0.885		17.69	17737.2	SCemento-2	0.516	10.33
	AC22 bin	1.032		20.63	21185.4	BBTM 11B	0.436	8.72
	Rellenos	1.182		23.65	31540.7			
117960.000	SCemento-1	3.363		67.26	65630.4	AC32 BaseG	1.281	25.63
	ZA	0.885		17.69	17754.9	SCemento-2	0.517	10.33
	AC22 bin	1.031		20.63	21206.0	BBTM 11B	0.436	8.72
	Rellenos	1.412		25.94	31566.7			
117980.000	SCemento-1	3.363		67.26	65697.6	AC32 BaseG	1.282	25.63
	ZA	0.885		17.69	17772.5	SCemento-2	0.516	10.33
	AC22 bin	1.031		20.62	21226.6	BBTM 11B	0.436	8.72
	Rellenos	1.391		28.03	31594.7			
118000.000	SCemento-1	3.363		67.26	65764.9	AC32 BaseG	1.280	25.62
	ZA	0.885		17.69	17790.2	SCemento-2	0.517	10.33
	AC22 bin	1.031		20.62	21247.2	BBTM 11B	0.436	8.73
	Rellenos	1.411		28.02	31622.7			

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 115

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
118020.000	SCemento-1	3.363		67.26	65832.1	AC32 BaseG	1.281	25.61
	ZA	1.000		18.85	17809.1	SCemento-2	0.516	10.34
	AC22 bin	1.031		20.62	21267.9	BBTM 11B	0.436	8.73
	Rellenos	1.680		30.91	31653.6			

118040.000	SCemento-1	3.363	67.26	65899.4	AC32 BaseG	1.282	25.63	25327.3
	ZA	1.017	20.18	17829.3	SCemento-2	0.516	10.33	9842.5
	AC22 bin	1.032	20.63	21288.5	BBTM 11B	0.436	8.72	9310.4
	Rellenos	2.428	41.08	31694.7				
118060.000	SCemento-1	3.363	67.26	65966.7	AC32 BaseG	1.281	25.63	25352.9
	ZA	1.017	20.35	17849.6	SCemento-2	0.516	10.33	9852.9
	AC22 bin	1.031	20.63	21309.1	BBTM 11B	0.436	8.72	9319.1
	Rellenos	2.428	48.56	31743.3				
118080.000	SCemento-1	3.363	67.26	66033.9	AC32 BaseG	1.282	25.63	25378.6
	ZA	1.017	20.35	17870.0	SCemento-2	0.516	10.33	9863.2
	AC22 bin	1.031	20.62	21329.7	BBTM 11B	0.436	8.72	9327.8
	Rellenos	2.427	48.55	31791.8				
118100.000	SCemento-1	3.363	67.26	66101.2	AC32 BaseG	1.280	25.62	25404.2
	ZA	1.017	20.34	17890.3	SCemento-2	0.517	10.34	9873.5
	AC22 bin	1.031	20.62	21350.4	BBTM 11B	0.436	8.73	9336.6
	Rellenos	2.427	48.53	31840.3				
118120.000	SCemento-1	3.363	67.25	66168.4	AC32 BaseG	1.281	25.61	25429.8
	ZA	1.017	20.34	17910.6	SCemento-2	0.516	10.34	9883.9
	AC22 bin	1.031	20.62	21371.0	BBTM 11B	0.436	8.73	9345.3
	Rellenos	2.426	48.52	31888.9				
118140.000	SCemento-1	3.363	67.26	66235.7	AC32 BaseG	1.282	25.63	25455.4
	ZA	1.017	20.34	17931.0	SCemento-2	0.516	10.33	9894.2
	AC22 bin	1.032	20.63	21391.6	BBTM 11B	0.436	8.72	9354.0
	Rellenos	2.425	48.50	31937.4				
118160.000	SCemento-1	3.363	67.26	66302.9	AC32 BaseG	1.281	25.63	25481.0
	ZA	1.017	20.35	17951.3	SCemento-2	0.517	10.33	9904.5
	AC22 bin	1.031	20.63	21412.2	BBTM 11B	0.436	8.71	9362.7
	Rellenos	2.424	48.48	31985.8				
118180.000	SCemento-1	3.363	67.25	66370.2	AC32 BaseG	1.281	25.62	25506.7
	ZA	1.017	20.35	17971.7	SCemento-2	0.517	10.34	9914.9
	AC22 bin	1.031	20.62	21432.9	BBTM 11B	0.436	8.71	9371.4
	Rellenos	2.419	48.43	32034.3				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 116

PROYECTO :
EJE: 2: Autovía de Castilla A-62: Dueñas-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****														
***** CAPAS DE FIRME*****														
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
118200.000	SCemento-1		3.363		67.26		66437.5	AC32 BaseG		1.282		25.63		25532.3
	ZA		1.017		20.35		17992.0	SCemento-2		0.516		10.33		9925.2
	AC22 bin		1.032		20.63		21453.5	BBTM 11B		0.435		8.71		9380.1
	Rellenos		2.413		48.32		32082.6							
118220.000	SCemento-1		3.363		67.26		66504.7	AC32 BaseG		1.280		25.62		25557.9
	ZA		1.017		20.34		18012.4	SCemento-2		0.517		10.34		9935.6
	AC22 bin		1.031		20.63		21474.1	BBTM 11B		0.436		8.72		9388.9
	Rellenos		2.408		48.21		32130.8							
118240.000	SCemento-1		3.363		67.25		66572.0	AC32 BaseG		1.280		25.60		25583.5
	ZA		1.017		20.34		18032.7	SCemento-2		0.517		10.34		9945.9
	AC22 bin		1.030		20.61		21494.7	BBTM 11B		0.437		8.74		9397.6
	Rellenos		2.403		48.11		32178.9							
118260.000	SCemento-1		3.363		67.26		66639.2	AC32 BaseG		1.281		25.61		25609.1
	ZA		1.017		20.35		18053.1	SCemento-2		0.517		10.34		9956.2
	AC22 bin		1.031		20.61		21515.3	BBTM 11B		0.436		8.73		9406.3
	Rellenos		2.397		48.00		32226.9							
118280.000	SCemento-1		3.363		67.26		66706.5	AC32 BaseG		1.281		25.63		25634.7
	ZA		1.017		20.35		18073.4	SCemento-2		0.517		10.33		9966.6
	AC22 bin		1.031		20.62		21536.0	BBTM 11B		0.436		8.72		9415.0
	Rellenos		2.391		47.88		32274.8							
118300.000	SCemento-1		3.363		67.26		66773.7	AC32 BaseG		1.280		25.61		25660.3
	ZA		1.017		20.35		18093.7	SCemento-2		0.517		10.34		9976.9
	AC22 bin		1.030		20.61		21556.6	BBTM 11B		0.437		8.73		9423.8
	Rellenos		2.386		47.76		32322.6							
118320.000	SCemento-1		3.363		67.25		66841.0	AC32 BaseG		1.280		25.60		25685.9
	ZA		1.017		20.34		18114.1	SCemento-2		0.517		10.34		9987.2
	AC22 bin		1.031		20.61		21577.2	BBTM 11B		0.436		8.74		9432.5
	Rellenos		2.378		47.64		32370.2							
118340.000	SCemento-1		3.363		67.25		66908.3	AC32 BaseG		1.280		25.60		25711.5
	ZA		1.017		20.34		18134.4	SCemento-2		0.517		10.34		9997.6
	AC22 bin		1.030		20.61		21597.8	BBTM 11B		0.437		8.74		9441.2
	Rellenos		2.373		47.51		32417.7							
118360.000	SCemento-1		3.363		67.25		66975.5	AC32 BaseG		1.281		25.61		25737.2
	ZA		1.017		20.34		18154.8	SCemento-2		0.516		10.34		10007.9
	AC22 bin		1.031		20.61		21618.4	BBTM 11B		0.436		8.73		9450.0
	Rellenos		2.365		47.38		32465.1							

118420.000	SCemento-1	3.363	67.28	67177.3	AC32 BaseG	1.282	25.63	25814.0
	ZA	0.885	19.02	18214.5	SCemento-2	0.516	10.33	10038.9
	AC22 bin	1.031	20.62	21680.3	BBTM 11B	0.436	8.73	9476.1
	Rellenos	1.207	35.59	32595.1				
118440.000	SCemento-1	3.363	67.26	67244.6	AC32 BaseG	1.281	25.63	25839.7
	ZA	0.885	17.69	18232.2	SCemento-2	0.516	10.33	10049.2
	AC22 bin	1.031	20.62	21700.9	BBTM 11B	0.436	8.72	9484.9
	Rellenos	1.217	24.24	32619.3				
118460.000	SCemento-1	3.363	67.26	67311.8	AC32 BaseG	1.281	25.63	25865.3
	ZA	0.885	17.69	18249.9	SCemento-2	0.516	10.33	10059.6
	AC22 bin	1.031	20.62	21721.5	BBTM 11B	0.436	8.72	9493.6
	Rellenos	1.327	25.45	32644.7				
118480.000	SCemento-1	3.362	67.25	67379.1	AC32 BaseG	1.280	25.61	25890.9
	ZA	0.885	17.69	18267.6	SCemento-2	0.517	10.33	10069.9
	AC22 bin	1.030	20.61	21742.1	BBTM 11B	0.437	8.73	9502.3
	Rellenos	1.329	26.56	32671.3				
118500.000	SCemento-1	3.363	67.25	67446.3	AC32 BaseG	1.281	25.61	25916.5
	ZA	0.885	17.69	18285.3	SCemento-2	0.516	10.33	10080.2
	AC22 bin	1.031	20.61	21762.7	BBTM 11B	0.436	8.73	9511.1
	Rellenos	1.361	26.89	32698.2				
118520.000	SCemento-1	3.363	67.26	67513.6	AC32 BaseG	1.281	25.62	25942.1
	ZA	0.866	17.51	18302.8	SCemento-2	0.516	10.33	10090.6
	AC22 bin	1.031	20.62	21783.4	BBTM 11B	0.436	8.73	9519.8
	Rellenos	1.382	27.43	32725.6				
118540.000	SCemento-1	3.363	67.26	67580.8	AC32 BaseG	1.282	25.63	25967.8
	ZA	0.878	17.44	18320.2	SCemento-2	0.516	10.33	10100.9
	AC22 bin	1.032	20.63	21804.0	BBTM 11B	0.436	8.72	9528.5
	Rellenos	1.393	27.75	32753.4				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 118

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
118560.000	SCemento-1	3.363	67.26	67648.1	AC32 BaseG	1.280	25.62	25993.4	
	ZA	0.884	17.62	18337.8	SCemento-2	0.517	10.33	10111.2	
	AC22 bin	1.032	20.63	21824.6	BBTM 11B	0.436	8.71	9537.2	
	Rellenos	1.368	27.61	32781.0					
118580.000	SCemento-1	3.363	67.25	67715.4	AC32 BaseG	1.281	25.62	26019.0	
	ZA	0.885	17.69	18355.5	SCemento-2	0.516	10.34	10121.6	
	AC22 bin	1.031	20.63	21845.3	BBTM 11B	0.436	8.72	9545.9	
	Rellenos	1.392	27.61	32808.6					
118600.000	SCemento-1	3.363	67.26	67782.6	AC32 BaseG	1.280	25.61	26044.6	
	ZA	0.885	17.69	18373.2	SCemento-2	0.517	10.33	10131.9	
	AC22 bin	1.032	20.63	21865.9	BBTM 11B	0.436	8.72	9554.6	
	Rellenos	1.377	27.69	32836.3					
118620.000	SCemento-1	3.365	67.28	67849.9	AC32 BaseG	1.281	25.61	26070.2	
	ZA	0.885	17.69	18390.9	SCemento-2	0.517	10.34	10142.2	
	AC22 bin	1.031	20.63	21886.5	BBTM 11B	0.436	8.72	9563.4	
	Rellenos	1.357	27.34	32863.6					
118640.000	SCemento-1	3.363	67.28	67917.2	AC32 BaseG	1.282	25.63	26095.8	
	ZA	0.885	17.69	18408.6	SCemento-2	0.516	10.33	10152.6	
	AC22 bin	1.032	20.63	21907.2	BBTM 11B	0.436	8.72	9572.1	
	Rellenos	1.384	27.41	32891.0					
118660.000	SCemento-1	3.363	67.26	67984.4	AC32 BaseG	1.280	25.61	26121.5	
	ZA	0.878	17.63	18426.2	SCemento-2	0.517	10.33	10162.9	
	AC22 bin	1.032	20.63	21927.8	BBTM 11B	0.436	8.71	9580.8	
	Rellenos	1.198	25.82	32916.9					
118680.000	SCemento-1	3.363	67.26	68051.7	AC32 BaseG	1.281	25.61	26147.1	
	ZA	0.885	17.63	18443.8	SCemento-2	0.516	10.33	10173.2	
	AC22 bin	1.031	20.63	21948.4	BBTM 11B	0.436	8.72	9589.5	
	Rellenos	1.480	26.79	32943.6					
118700.000	SCemento-1	3.376	67.39	68119.1	AC32 BaseG	1.282	25.63	26172.7	
	ZA	0.842	17.27	18461.1	SCemento-2	0.504	10.20	10183.4	
	AC22 bin	1.032	20.63	21969.0	BBTM 11B	0.436	8.72	9598.2	
	Rellenos	1.193	26.73	32970.4					
118720.000	SCemento-1	4.265	76.41	68195.5	AC32 BaseG	1.632	29.14	26201.8	
	ZA	0.997	18.39	18479.5	SCemento-2	0.493	9.97	10193.4	
	AC22 bin	1.276	23.08	21992.1	BBTM 11B	0.541	9.77	9608.0	
	Rellenos	1.435	26.28	32996.7					

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 119

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
118740.000	SCemento-1	4.278	85.43	68280.9	AC32 BaseG	1.632	32.64	26234.5	
	ZA	0.969	19.66	18499.2	SCemento-2	0.481	9.73	10203.1	
	AC22 bin	1.275	25.51	22017.6	BBTM 11B	0.542	10.83	9618.8	
	Rellenos	2.060	34.96	33031.6					
118760.000	SCemento-1	4.288	85.66	68366.6	AC32 BaseG	1.634	32.66	26267.1	
	ZA	0.870	18.39	18517.6	SCemento-2	0.473	9.53	10212.7	
	AC22 bin	1.276	25.51	22043.1	BBTM 11B	0.540	10.82	9629.7	
	Rellenos	1.873	39.33	33070.9					
118780.000	SCemento-1	4.289	85.77	68452.4	AC32 BaseG	1.632	32.66	26299.8	
	ZA	0.870	17.41	18535.0	SCemento-2	0.472	9.45	10222.1	
	AC22 bin	1.277	25.52	22068.7	BBTM 11B	0.542	10.82	9640.5	
	Rellenos	1.872	37.44	33108.4					

118800.000	SCemento-1	4.290	85.79	68538.2	AC32 BaseG	1.634	32.66	26332.5
	ZA	0.870	17.41	18552.4	SCemento-2	0.472	9.45	10231.6
	AC22 bin	1.276	25.52	22094.2	BBTM 11B	0.540	10.82	9651.3
	Rellenos	1.810	36.82	33145.2				
118820.000	SCemento-1	4.290	85.80	68624.0	AC32 BaseG	1.634	32.68	26365.1
	ZA	0.870	17.41	18569.8	SCemento-2	0.472	9.45	10241.0
	AC22 bin	1.276	25.51	22119.7	BBTM 11B	0.540	10.81	9662.1
	Rellenos	1.424	32.34	33177.5				
118840.000	SCemento-1	4.288	85.78	68709.7	AC32 BaseG	1.632	32.66	26397.8
	ZA	0.870	17.40	18587.2	SCemento-2	0.472	9.45	10250.5
	AC22 bin	1.276	25.51	22145.2	BBTM 11B	0.543	10.83	9672.9
	Rellenos	1.381	28.05	33205.6				
118860.000	SCemento-1	4.288	85.77	68795.5	AC32 BaseG	1.634	32.66	26430.4
	ZA	0.863	17.33	18604.5	SCemento-2	0.472	9.45	10259.9
	AC22 bin	1.276	25.51	22170.7	BBTM 11B	0.541	10.84	9683.8
	Rellenos	1.210	25.90	33231.5				
118880.000	SCemento-1	4.223	85.12	68880.6	AC32 BaseG	1.607	32.40	26462.9
	ZA	0.667	15.30	18619.8	SCemento-2	0.472	9.44	10269.3
	AC22 bin	1.258	25.33	22196.1	BBTM 11B	0.534	10.76	9694.5
	Rellenos	0.869	20.79	33252.3				
118900.000	SCemento-1	4.094	83.17	68963.8	AC32 BaseG	1.557	31.63	26494.5
	ZA	0.652	13.19	18633.0	SCemento-2	0.472	9.43	10278.8
	AC22 bin	1.223	24.81	22220.9	BBTM 11B	0.517	10.51	9705.1
	Rellenos	0.901	17.71	33270.0				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 120

PROYECTO :
EJE: 2: Autov^{da} de Castilla A-62: Due^{ña}s-Cigales Izq.
Tronco

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME*****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
118920.000	SCemento-1	3.965		80.59	69044.4	AC32 BaseG	1.503		30.60	26525.1
	ZA	0.747		13.99	18647.0	SCemento-2	0.472		9.44	10288.2
	AC22 bin	1.186		24.08	22245.0	BBTM 11B	0.503		10.20	9715.3
	Rellenos	0.988		18.89	33288.9					
118940.000	SCemento-1	2.758		67.23	69111.6	AC32 BaseG	1.021		25.24	26550.3
	ZA	0.691		14.38	18661.4	SCemento-2	0.471		9.43	10297.6
	AC22 bin	0.853		20.38	22265.3	BBTM 11B	0.486		9.89	9725.1
	Rellenos	0.973		19.61	33308.5					
118960.000	SCemento-1	3.706		64.64	69176.2	AC32 BaseG	1.400		24.21	26574.5
	ZA	0.775		14.66	18676.0	SCemento-2	0.472		9.44	10307.1
	AC22 bin	1.113		19.66	22285.0	BBTM 11B	0.470		9.56	9734.7
	Rellenos	1.074		20.47	33329.0					
118980.000	SCemento-1	2.292		59.98	69236.2	AC32 BaseG	0.835		22.35	26596.9
	ZA	0.780		15.55	18691.6	SCemento-2	0.472		9.44	10316.5
	AC22 bin	0.723		18.36	22303.4	BBTM 11B	0.457		9.27	9744.0
	Rellenos	1.101		21.75	33350.7					
119000.000	SCemento-1	2.201		44.93	69281.2	AC32 BaseG	0.799		16.35	26613.2
	ZA	0.776		15.56	18707.1	SCemento-2	0.472		9.44	10326.0
	AC22 bin	0.696		14.18	22317.5	BBTM 11B	0.440		8.97	9753.0
	Rellenos	1.053		21.54	33372.2					
119020.000	SCemento-1	2.482		46.82	69328.0	AC32 BaseG	1.078		18.78	26632.0
	ZA	0.818		15.93	18723.1	SCemento-2	0.472		9.44	10335.4
	AC22 bin	1.031		17.27	22334.8	BBTM 11B	0.436		8.76	9761.7
	Rellenos	1.288		23.41	33395.7					
119040.000	SCemento-1	2.093		45.74	69373.7	AC32 BaseG	0.775		18.54	26650.5
	ZA	0.868		16.86	18739.9	SCemento-2	0.471		9.43	10344.8
	AC22 bin	0.847		18.79	22353.6	BBTM 11B	0.435		8.72	9770.4
	Rellenos	1.398		26.86	33422.5					
119060.000	SCemento-1	2.041		41.34	69415.1	AC32 BaseG	0.737		15.12	26665.7
	ZA	0.868		17.36	18757.3	SCemento-2	0.471		9.43	10354.3
	AC22 bin	0.900		17.48	22371.1	BBTM 11B	0.435		8.71	9779.1
	Rellenos	1.393		27.90	33450.4					
119080.000	SCemento-1	3.413		54.54	69469.6	AC32 BaseG	1.283		20.19	26685.9
	ZA	0.868		17.36	18774.7	SCemento-2	0.472		9.43	10363.7
	AC22 bin	1.031		19.31	22390.4	BBTM 11B	0.438		8.73	9787.9
	Rellenos	1.398		27.91	33478.3					

119180.000	SCemento-1	3.414	68.26	69730.2	AC32 BaseG	1.284	25.67	26793.4
	ZA	0.868	17.36	18861.4	SCemento-2	0.472	9.44	10410.9
	AC22 bin	1.030	20.61	22492.9	BBTM 11B	0.436	8.74	9831.5
	Rellenos	1.402	28.03	33618.2				
119196.472	SCemento-1	1.978	44.40	69774.6	AC32 BaseG	0.781	17.00	26810.4
	ZA	0.868	14.30	18875.7	SCemento-2	0.471	7.77	10418.6
	AC22 bin	0.983	16.58	22509.5	BBTM 11B	0.435	7.18	9838.7
	Rellenos	1.390	23.00	33641.2				

Istram 18.05.05.29 17/07/18 18:00:45 459 pagina 122

PROYECTO :

EJE: 2: Autov de Castilla A-62: Due s-Cigales Izq.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-	0.2
SCemento-1	69774.6
AC32 BaseG	26810.4
ZA	18875.7
SCemento-2	10418.6
AC22 bin	22509.5
BBTM 11B	9838.7
Rellenos	33641.2

LISTADOS DE MEDICIÓN DEL ENLACE DUEÑAS

TIERRAS ENLACE DUEÑAS

Istram 18.05.05.29 12/07/18 09:52:08 459
PROYECTO :
EJE: 5: Enlace de Dueñas: Eje 1

pagina 1

32.400	FIRME	4.129	0.00	192.4
40.000	FIRME	4.129	31.38	223.7
50.000	FIRME	4.128	41.28	265.0
60.000	FIRME	4.127	41.27	306.3
70.000	FIRME	4.128	41.28	347.6
78.400	FIRME	4.128	34.68	382.2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.311	0.00	0.0	RELL PIE TERRA	0.158	0.00	0.0
	S SEL2	9.229	0.00	0.0	SUELO EST3	8.940	0.00	0.0
	TERRAPLEN	84.923	0.00	0.0	VEGETAL	10.342	0.00	0.0
10.000	FIRME	6.222	82.68	82.7	RELL PIE TERRA	0.406	2.83	2.8
	S SEL2	5.739	74.85	74.8	SUELO EST3	5.452	71.97	72.0
	TERRAPLEN	36.151	604.74	604.7	VEGETAL	6.729	85.36	85.4
20.000	FIRME	4.946	55.85	138.5	RELL PIE TERRA	0.156	2.82	5.6
	S SEL2	4.626	51.83	126.7	SUELO EST3	4.339	48.96	120.9
	TERRAPLEN	22.327	292.17	896.9	VEGETAL	4.956	58.43	143.8
30.000	FIRME	4.926	49.36	187.9	RELL PIE TERRA	0.163	1.59	7.2
	S SEL2	4.603	46.14	172.8	SUELO EST3	4.316	43.28	164.2
	TERRAPLEN	14.665	184.89	1081.8	VEGETAL	4.622	47.89	191.7
40.000	FIRME	4.925	49.26	237.1	RELL PIE TERRA	0.159	1.61	8.9
	S SEL2	4.603	46.03	218.8	SUELO EST3	4.317	43.17	207.4
	TERRAPLEN	8.449	115.56	1197.4	VEGETAL	4.371	44.97	236.6
50.000	FIRME	4.925	49.26	286.4	RELL PIE TERRA	0.157	1.58	10.4
	D TIERRA	1.022	5.10	5.1	S SEL2	4.371	44.88	263.7
	SUELO EST3	4.291	43.04	250.4	TERRAPLEN	0.334	43.91	1241.3
	VEGETAL	3.809	40.90	277.5				
60.000	FIRME	4.926	49.26	335.7	RELL PIE TERRA	0.157	1.57	12.0
	D TIERRA	5.714	33.67	38.8	S SEL2	4.053	42.13	305.8
	SUELO EST3	4.199	42.45	292.9	TERRAPLEN	0.000	1.67	1242.9
	VEGETAL	3.611	37.10	314.6				
70.000	FIRME	4.996	49.61	385.3	RELL PIE TERRA	0.000	0.79	12.8
	D TIERRA	7.831	67.72	106.5	S SEL2	3.861	39.57	345.4
	SUELO EST3	4.034	41.16	334.0	TERRAPLEN	0.030	0.15	1243.1
	VEGETAL	3.545	35.78	350.4				
80.000	FIRME	4.926	49.61	434.9	RELL PIE TERRA	0.157	0.79	13.6
	D TIERRA	7.707	77.69	184.2	S SEL2	3.974	39.17	384.6
	SUELO EST3	4.141	40.88	374.9	TERRAPLEN	0.000	0.15	1243.2
	VEGETAL	3.571	35.58	386.0				
90.000	FIRME	4.969	49.47	484.3	RELL PIE TERRA	0.000	0.79	14.4
	D TIERRA	7.978	78.43	262.6	S SEL2	3.825	39.00	423.6
	SUELO EST3	3.999	40.70	415.6	TERRAPLEN	0.031	0.16	1243.4
	VEGETAL	3.509	35.40	421.4				
94.908	FIRME	5.203	24.96	509.3	D TIERRA	9.532	42.97	305.6
	S SEL2	3.972	19.14	442.7	SUELO EST3	4.146	19.99	435.6
	TERRAPLEN	0.031	0.15	1243.6	VEGETAL	3.682	17.65	439.1

Istram 18.05.05.29 12/07/18 09:52:08 459
PROYECTO :
EJE: 5: Enlace de Dueñas: Eje 1

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	509.3
RELL PIE TERRA	14.4
D TIERRA	305.6
S SEL2	442.7
SUELO EST3	435.6
TERRAPLEN	1243.6
VEGETAL	439.1

Istram 18.05.05.29 12/07/18 10:13:01 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.710	0.00	0.0	D TIERRA	8.493	0.00	0.0
	SUELO SEL 4	9.088	0.00	0.0	SUELO SEL 3	9.031	0.00	0.0
	TERRAPLEN	60.231	0.00	0.0	VEGETAL	9.636	0.00	0.0
10.000	FIRME	6.274	84.92	84.9	D TIERRA	4.220	63.56	63.6
	SUELO SEL 4	5.415	72.51	72.5	SUELO SEL 3	5.357	71.94	71.9
	TERRAPLEN	4.024	321.28	321.3	VEGETAL	5.086	73.61	73.6
20.000	FIRME	4.387	53.31	138.2	D TIERRA	0.000	21.10	84.7
	SUELO SEL 4	4.297	48.56	121.1	SUELO SEL 3	4.010	46.84	118.8
	TERRAPLEN	49.906	269.65	590.9	VEGETAL	5.048	50.67	124.3
30.000	FIRME	4.351	43.69	181.9	SUELO SEL 4	4.264	42.81	163.9
	SUELO SEL 3	3.977	39.94	158.7	TERRAPLEN	123.101	865.03	1456.0
	VEGETAL	7.455	62.51	186.8				
32.400	FIRME	4.350	10.44	192.4	SUELO SEL 4	4.265	10.23	174.1
	SUELO SEL 3	3.978	9.55	168.3	TERRAPLEN	128.405	301.81	1757.8
	VEGETAL	7.648	18.12	204.9				

Istram 18.05.05.29 12/07/18 10:13:01 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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Istram 18.05.05.29 12/07/18 10:13:01 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
78.400	FIRME	4.350	0.00	382.2	SUELO SEL 4	4.266	0.00	174.1
	SUELO SEL 3	3.977	0.00	168.3	TERRAPLEN	139.966	0.00	1757.8
	VEGETAL	8.036	0.00	204.9				
80.000	FIRME	4.350	6.96	389.2	SUELO SEL 4	4.266	6.83	180.9
	SUELO SEL 3	3.978	6.36	174.6	TERRAPLEN	136.332	221.04	1978.8
	VEGETAL	7.940	12.78	217.7				
90.000	FIRME	4.355	43.52	432.7	SUELO SEL 4	4.268	42.67	223.6
	SUELO SEL 3	3.981	39.80	214.4	TERRAPLEN	67.169	1017.50	2996.3
	VEGETAL	5.344	66.42	284.1				
100.000	FIRME	5.112	47.33	480.1	D TIERRA	6.316	31.58	116.2
	SUELO SEL 4	4.299	42.83	266.4	SUELO SEL 3	4.411	41.96	256.4
	TERRAPLEN	0.031	336.00	3332.3	VEGETAL	3.827	45.85	330.0
110.000	FIRME	8.381	67.47	547.5	D TIERRA	10.354	83.35	199.6
	SUELO SEL 4	7.174	57.36	323.8	SUELO SEL 3	7.114	57.63	314.0
	TERRAPLEN	14.653	73.42	3405.7	VEGETAL	7.474	56.51	386.5
114.581	FIRME	10.887	44.13	591.7	D TIERRA	10.672	48.16	247.8
	SUELO SEL 4	9.246	37.61	361.4	SUELO SEL 3	9.189	37.34	351.4
	TERRAPLEN	74.000	203.06	3608.8	VEGETAL	10.228	40.55	427.0

Istram 18.05.05.29 12/07/18 10:13:01 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	591.7
D TIERRA	247.8
SUELO SEL 4	361.4
SUELO SEL 3	351.4
TERRAPLEN	3608.8
VEGETAL	427.0

Istram 18.05.05.29 12/07/18 09:52:09 459
PROYECTO :
EJE: 7: Enlace de Dueñas: Eje 3

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.578	0.00	0.0	RELL PIE TERRA	0.152	0.00	0.0
	S SEL2	9.448	0.00	0.0	SUELO EST3	9.163	0.00	0.0
	TERRAPLEN	88.228	0.00	0.0	VEGETAL	10.160	0.00	0.0
10.000	FIRME	6.251	83.92	83.9	RELL PIE TERRA	0.159	1.56	1.6
	S SEL2	5.850	76.29	76.3	SUELO EST3	5.564	73.44	73.4
	TERRAPLEN	28.864	577.63	577.6	VEGETAL	6.353	82.39	82.4
20.000	FIRME	4.806	55.22	139.1	RELL PIE TERRA	0.174	1.67	3.2
	S SEL2	4.614	52.27	128.6	SUELO EST3	4.328	49.40	122.8
	TERRAPLEN	10.183	193.88	771.5	VEGETAL	4.685	55.17	137.6
30.000	FIRME	4.762	47.83	187.0	RELL PIE TERRA	0.161	1.68	4.9
	S SEL2	4.575	45.94	174.5	SUELO EST3	4.288	43.07	165.9
	TERRAPLEN	4.547	73.41	844.9	VEGETAL	4.458	45.73	183.3
40.000	FIRME	4.763	47.62	234.6	RELL PIE TERRA	0.167	1.64	6.6
	D TIERRA	2.866	14.34	14.3	S SEL2	4.571	45.73	220.2
	SUELO EST3	4.288	42.88	208.8	TERRAPLEN	0.005	22.60	867.5
	VEGETAL	3.979	42.18	225.5				
48.262	FIRME	4.763	39.35	274.0	RELL PIE TERRA	0.160	1.35	7.9
	D TIERRA	6.627	39.22	53.6	S SEL2	4.037	35.56	255.8
	SUELO EST3	4.185	35.00	243.8	TERRAPLEN	0.000	0.02	867.5
	VEGETAL	3.593	31.28	256.8				
50.000	FIRME	4.763	8.28	282.2	RELL PIE TERRA	0.161	0.28	8.2
	D TIERRA	7.147	11.97	65.5	S SEL2	4.016	7.00	262.8
	SUELO EST3	4.171	7.26	251.1	VEGETAL	3.581	6.23	263.0
60.000	FIRME	4.809	47.86	330.1	RELL PIE TERRA	0.082	1.22	9.4
	D TIERRA	9.233	81.90	147.4	S SEL2	3.839	39.28	302.1
	SUELO EST3	4.012	40.91	292.0	TERRAPLEN	0.029	0.15	867.7
	VEGETAL	3.510	35.46	298.5				
61.000	FIRME	4.802	4.81	334.9	RELL PIE TERRA	0.083	0.08	9.5
	D TIERRA	9.096	9.16	156.6	S SEL2	3.839	3.84	305.9
	SUELO EST3	4.010	4.01	296.0	TERRAPLEN	0.029	0.03	867.7
	VEGETAL	3.505	3.51	302.0				

Istram 18.05.05.29 12/07/18 09:52:09 459
PROYECTO :
EJE: 7: Enlace de Dueñas: Eje 3

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	334.9
RELL PIE TERRA	9.5
D TIERRA	156.6
S SEL2	305.9
SUELO EST3	296.0
TERRAPLEN	867.7
VEGETAL	302.0

Istram 18.05.05.29 12/07/18 09:52:07 459 pagina 1

PROYECTO :
EJE: 3: Enlace de Dueños: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	3.935	0.00	0.0	RELL PIE TERRA	0.078	0.00	0.0
	S SEL2	10.031	0.00	0.0	SUELO EST3	9.888	0.00	0.0
	TERRAPLEN	185.989	0.00	0.0	VEGETAL	10.271	0.00	0.0
10.000	FIRME	3.956	35.51	35.5	RELL PIE TERRA	0.078	1.07	1.1
	S SEL2	10.036	55.93	55.9	SUELO EST3	9.893	54.35	54.4
	TERRAPLEN	198.264	1202.05	1202.0	VEGETAL	10.416	71.33	71.3
20.000	FIRME	3.974	35.72	71.2	RELL PIE TERRA	0.078	1.09	2.2
	S SEL2	10.040	55.98	111.9	SUELO EST3	9.897	54.40	108.7
	TERRAPLEN	221.867	1313.44	2515.5	VEGETAL	10.533	73.15	144.5
30.000	FIRME	3.989	35.90	107.1	RELL PIE TERRA	0.078	1.10	3.3
	S SEL2	10.044	56.03	167.9	SUELO EST3	9.900	54.44	163.2
	TERRAPLEN	226.707	1401.42	3916.9	VEGETAL	10.607	74.48	219.0
40.000	FIRME	3.997	36.02	143.2	RELL PIE TERRA	0.080	1.08	4.3
	S SEL2	10.046	56.06	224.0	SUELO EST3	9.902	54.47	217.7
	TERRAPLEN	216.212	1377.00	5293.9	VEGETAL	9.932	70.39	289.3
50.000	FIRME	3.998	36.07	179.2	RELL PIE TERRA	0.087	1.03	5.4
	S SEL2	10.045	56.07	280.1	SUELO EST3	9.902	54.48	272.1
	TERRAPLEN	156.366	1052.04	6346.0	VEGETAL	8.701	58.12	347.5
60.000	FIRME	4.430	38.46	217.7	RELL PIE TERRA	0.000	0.50	5.9
	D TIERRA	5.263	25.96	26.0	S SEL2	9.849	54.99	335.1
	SUELO EST3	9.936	54.67	326.8	TERRAPLEN	79.085	505.45	6851.4
	VEGETAL	8.508	49.36	396.8				
70.000	FIRME	4.415	40.76	258.4	D TIERRA	10.452	73.23	99.2
	S SEL2	9.853	53.92	389.0	SUELO EST3	9.938	54.87	381.7
	TERRAPLEN	41.142	153.87	7005.3	VEGETAL	8.552	48.51	445.3
80.000	FIRME	3.964	38.20	296.6	RELL PIE TERRA	0.077	0.43	6.3
	D TIERRA	7.353	79.00	178.2	S SEL2	9.918	54.30	443.3
	SUELO EST3	9.894	54.63	436.3	TERRAPLEN	27.247	53.03	7058.3
	VEGETAL	8.335	47.54	492.9				
90.000	FIRME	3.944	35.60	332.2	RELL PIE TERRA	0.078	0.96	7.3
	D TIERRA	0.000	31.73	209.9	S SEL2	10.034	55.29	498.6
	SUELO EST3	9.891	54.37	490.7	TERRAPLEN	73.241	300.21	7358.5
	VEGETAL	10.359	58.93	551.8				
100.000	FIRME	3.923	35.38	367.6	RELL PIE TERRA	0.078	1.07	8.3
	S SEL2	10.030	55.91	554.5	SUELO EST3	9.886	54.32	545.0
	TERRAPLEN	93.389	657.96	8016.5	VEGETAL	10.243	70.74	622.5

Istram 18.05.05.29 12/07/18 09:52:07 459 pagina 2

PROYECTO :
EJE: 3: Enlace de Dueños: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	FIRME	3.904	35.17	402.8	RELL PIE TERRA	0.079	1.05	9.4
	S SEL2	10.024	55.86	610.3	SUELO EST3	9.881	54.27	599.3
	TERRAPLEN	76.899	660.94	8677.4	VEGETAL	9.848	67.30	689.8
120.000	FIRME	3.888	34.98	437.8	RELL PIE TERRA	0.079	1.02	10.4
	S SEL2	10.021	55.81	666.1	SUELO EST3	9.878	54.23	653.5
	TERRAPLEN	64.547	510.46	9187.9	VEGETAL	9.721	63.83	753.7
130.000	FIRME	3.877	34.84	472.6	RELL PIE TERRA	0.121	1.25	11.6
	S SEL2	10.018	55.78	721.9	SUELO EST3	9.874	54.19	707.7
	TERRAPLEN	44.259	319.98	9507.8	VEGETAL	9.305	60.36	814.0
140.000	FIRME	3.872	34.76	507.4	RELL PIE TERRA	0.081	1.22	12.9
	S SEL2	10.017	55.76	777.7	SUELO EST3	9.874	54.17	761.9
	TERRAPLEN	77.680	268.38	9776.2	VEGETAL	8.886	55.18	869.2
150.000	FIRME	3.875	34.74	542.1	RELL PIE TERRA	0.079	0.99	13.9
	S SEL2	10.017	55.75	833.4	SUELO EST3	9.876	54.17	816.0
	TERRAPLEN	142.609	589.48	10365.7	VEGETAL	9.776	58.18	927.4
160.000	FIRME	3.884	34.81	576.9	RELL PIE TERRA	0.078	1.01	14.9
	S SEL2	10.020	55.77	889.2	SUELO EST3	9.877	54.19	870.2
	TERRAPLEN	139.296	810.69	11176.4	VEGETAL	9.645	62.87	990.3
170.000	FIRME	3.899	34.93	611.9	RELL PIE TERRA	0.078	1.02	15.9
	S SEL2	10.022	55.80	945.0	SUELO EST3	9.880	54.21	924.4
	TERRAPLEN	166.918	893.06	12069.5	VEGETAL	10.036	64.58	1054.8
180.000	FIRME	3.918	35.11	647.0	RELL PIE TERRA	0.078	1.05	16.9
	S SEL2	10.026	55.84	1000.8	SUELO EST3	9.884	54.25	978.7
	TERRAPLEN	175.525	1037.45	13106.9	VEGETAL	10.153	67.93	1122.8
188.496	FIRME	3.935	30.00	677.0	RELL PIE TERRA	0.078	0.90	17.8
	S SEL2	10.031	47.48	1048.3	SUELO EST3	9.888	46.14	1024.8
	TERRAPLEN	185.989	948.01	14054.9	VEGETAL	10.271	59.07	1181.8

Istram 18.05.05.29 12/07/18 09:52:07 459 pagina 3

PROYECTO :
EJE: 3: Enlace de Dueños: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	677.0
RELL PIE TERRA	17.8
D TIERRA	209.9
S SEL2	1048.3
SUELO EST3	1024.8
TERRAPLEN	14054.9
VEGETAL	1181.8

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 1

PROYECTO :
EJE: 4: Enlace de Dueños: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	3.935	0.00	0.0	RELL PIE TERRA	0.078	0.00	0.0
	S SEL2	10.031	0.00	0.0	SUELO EST3	9.889	0.00	0.0
	TERRAPLEN	91.714	0.00	0.0	VEGETAL	9.821	0.00	0.0
10.000	FIRME	3.956	35.51	35.5	RELL PIE TERRA	0.078	1.02	1.0
	S SEL2	10.036	55.94	55.9	SUELO EST3	9.893	54.35	54.3
	TERRAPLEN	77.385	547.90	547.9	VEGETAL	9.877	64.67	64.7
20.000	FIRME	3.974	35.72	71.2	RELL PIE TERRA	0.078	0.94	2.0
	D TIERRA	0.649	3.15	3.1	S SEL2	9.984	55.68	111.6
	SUELO EST3	9.896	54.39	108.7	TERRAPLEN	43.688	285.32	833.2
	VEGETAL	8.375	55.90	120.6				
30.000	FIRME	4.425	38.30	109.5	RELL PIE TERRA	0.000	0.43	2.4
	D TIERRA	6.771	35.01	38.2	S SEL2	9.852	54.65	166.3
	SUELO EST3	9.936	54.63	163.4	TERRAPLEN	58.885	107.80	941.0
	VEGETAL	8.514	47.54	168.1				
40.000	FIRME	3.997	38.42	148.0	RELL PIE TERRA	0.077	0.42	2.8
	D TIERRA	1.251	38.33	76.5	S SEL2	9.787	53.57	219.8
	SUELO EST3	9.856	54.41	217.8	TERRAPLEN	105.191	254.40	1195.4
	VEGETAL	8.269	46.96	215.1				
50.000	FIRME	3.999	36.07	184.0	RELL PIE TERRA	0.087	0.95	3.8
	D TIERRA	0.000	6.47	83.0	S SEL2	10.046	54.64	274.5
	SUELO EST3	9.902	54.22	272.0	TERRAPLEN	180.002	674.37	1869.8
	VEGETAL	9.138	50.63	265.7				
60.000	FIRME	3.992	36.05	220.1	RELL PIE TERRA	0.076	1.04	4.8
	S SEL2	10.045	56.06	330.5	SUELO EST3	9.902	54.47	326.5
	TERRAPLEN	208.659	1114.70	2984.5	VEGETAL	10.212	62.59	328.3
70.000	FIRME	3.981	35.95	256.0	RELL PIE TERRA	0.078	1.06	5.9
	S SEL2	10.043	56.04	386.6	SUELO EST3	9.898	54.45	380.9
	TERRAPLEN	207.421	1263.66	4248.1	VEGETAL	10.395	70.78	399.1
80.000	FIRME	3.964	35.80	291.8	RELL PIE TERRA	0.079	1.06	6.9
	S SEL2	10.038	56.00	442.6	SUELO EST3	9.894	54.41	435.4
	TERRAPLEN	196.407	1218.97	5467.1	VEGETAL	10.078	69.87	468.9
90.000	FIRME	3.944	35.61	327.4	RELL PIE TERRA	0.078	1.05	8.0
	S SEL2	10.033	55.96	498.5	SUELO EST3	9.889	54.36	489.7
	TERRAPLEN	182.337	1113.50	6580.6	VEGETAL	10.028	67.37	536.3
100.000	FIRME	3.923	35.38	362.8	RELL PIE TERRA	0.079	1.04	9.0
	S SEL2	10.030	55.91	554.4	SUELO EST3	9.885	54.31	544.0
	TERRAPLEN	171.352	1016.23	7596.8	VEGETAL	9.916	66.30	602.6

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 2

PROYECTO :
EJE: 4: Enlace de Dueños: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	FIRME	3.903	35.17	398.0	RELL PIE TERRA	0.081	1.04	10.1
	S SEL2	10.024	55.86	610.3	SUELO EST3	9.881	54.27	598.3
	TERRAPLEN	159.999	931.19	8528.0	VEGETAL	9.709	64.20	666.8
120.000	FIRME	3.887	34.97	433.0	RELL PIE TERRA	0.077	1.01	11.1
	S SEL2	10.021	55.81	666.1	SUELO EST3	9.878	54.22	652.5
	TERRAPLEN	155.687	875.80	9403.8	VEGETAL	9.534	61.72	728.5
130.000	FIRME	3.878	34.84	467.8	RELL PIE TERRA	0.075	0.96	12.0
	S SEL2	10.018	55.77	721.9	SUELO EST3	9.874	54.19	706.7
	TERRAPLEN	153.195	865.53	10269.4	VEGETAL	9.492	60.33	788.9
140.000	FIRME	3.873	34.76	502.6	RELL PIE TERRA	0.080	0.95	13.0
	S SEL2	10.017	55.76	777.6	SUELO EST3	9.874	54.17	760.9
	TERRAPLEN	103.542	687.70	10957.1	VEGETAL	9.039	57.27	846.1
150.000	FIRME	3.875	34.75	537.3	RELL PIE TERRA	0.094	1.04	14.0
	S SEL2	10.018	55.76	833.4	SUELO EST3	9.874	54.17	815.0
	TERRAPLEN	67.068	393.74	11350.8	VEGETAL	9.051	54.54	900.7
160.000	FIRME	3.885	34.81	572.1	RELL PIE TERRA	0.080	1.08	15.1
	S SEL2	10.020	55.77	889.2	SUELO EST3	9.877	54.18	869.2
	TERRAPLEN	77.434	371.66	11722.5	VEGETAL	9.672	58.49	959.2
170.000	FIRME	3.899	34.94	607.0	RELL PIE TERRA	0.079	1.02	16.1
	S SEL2	10.023	55.80	945.0	SUELO EST3	9.880	54.21	923.4
	TERRAPLEN	84.550	502.84	12225.3	VEGETAL	9.626	62.07	1021.2
180.000	FIRME	3.918	35.12	642.2	RELL PIE TERRA	0.078	1.01	17.1
	S SEL2	10.028	55.84	1000.8	SUELO EST3	9.883	54.25	977.7
	TERRAPLEN	91.489	570.90	12796.2	VEGETAL	9.718	62.37	1083.6
188.496	FIRME	3.934	29.99	672.2	RELL PIE TERRA	0.078	0.86	18.0
	S SEL2	10.032	47.49	1048.3	SUELO EST3	9.889	46.14	1023.8
	TERRAPLEN	91.717	514.98	13311.2	VEGETAL	9.821	54.06	1137.7

* * * RESUMEN DE VOLUMENES TOTALES * * *									

MATERIAL			VOLUMEN						
-----			-----						
FIRME			672.2						
RELL PIE TERRA			18.0						
D TIERRA			83.0						
S SEL2			1048.3						
SUELO EST3			1023.8						
TERRAPLEN			13311.2						
VEGETAL			1137.7						
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 8: Enlace de Due□s: Ramal 1									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
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0.000	FIRME	3.856	0.00	0.0	D TIERRA	0.753	0.00	0.0	
	S SEL2	3.340	0.00	0.0	SUELO EST3	3.282	0.00	0.0	
	TERRAPLEN	0.583	0.00	0.0	VEGETAL	3.038	0.00	0.0	
10.000	FIRME	3.855	38.52	38.5	D TIERRA	0.767	7.60	7.6	
	S SEL2	3.332	33.32	33.3	SUELO EST3	3.274	32.74	32.7	
	TERRAPLEN	0.766	6.72	6.7	VEGETAL	3.023	30.27	30.3	
20.000	FIRME	3.854	38.51	77.0	D TIERRA	0.779	7.73	15.3	
	S SEL2	3.326	33.24	66.6	SUELO EST3	3.267	32.67	65.4	
	TERRAPLEN	0.725	7.43	14.2	VEGETAL	3.010	30.13	60.4	
30.000	FIRME	3.853	38.50	115.5	D TIERRA	0.767	7.73	23.1	
	S SEL2	3.318	33.18	99.7	SUELO EST3	3.261	32.61	98.0	
	TERRAPLEN	0.665	6.93	21.1	VEGETAL	2.996	29.99	90.4	
40.000	FIRME	3.851	38.48	154.0	D TIERRA	0.721	7.44	30.5	
	S SEL2	3.309	33.09	132.8	SUELO EST3	3.252	32.53	130.5	
	TERRAPLEN	0.617	6.40	27.5	VEGETAL	2.980	29.84	120.2	
50.000	FIRME	3.849	38.46	192.5	D TIERRA	0.659	6.90	37.4	
	S SEL2	3.302	33.01	165.8	SUELO EST3	3.245	32.45	163.0	
	TERRAPLEN	0.735	6.74	34.2	VEGETAL	2.965	29.69	149.9	
60.000	FIRME	3.862	38.52	231.0	D TIERRA	0.620	6.40	43.8	
	S SEL2	3.309	33.01	198.9	SUELO EST3	3.253	32.45	195.4	
	TERRAPLEN	0.718	7.25	41.5	VEGETAL	2.962	29.60	179.5	
70.000	FIRME	3.899	38.76	269.7	D TIERRA	0.621	6.21	50.0	
	S SEL2	3.335	33.17	232.0	SUELO EST3	3.278	32.62	228.1	
	TERRAPLEN	0.693	7.04	48.5	VEGETAL	2.973	29.64	209.1	
80.000	FIRME	3.933	39.12	308.9	D TIERRA	0.633	6.27	56.3	
	S SEL2	3.359	33.42	265.5	SUELO EST3	3.302	32.86	260.9	
	TERRAPLEN	0.505	5.97	54.5	VEGETAL	2.982	29.74	238.9	
90.000	FIRME	3.973	39.49	348.3	D TIERRA	0.625	6.29	62.6	
	S SEL2	3.396	33.73	299.2	SUELO EST3	3.339	33.17	294.1	
	TERRAPLEN	0.583	5.42	59.9	VEGETAL	3.003	29.89	268.8	
100.000	FIRME	4.020	39.92	388.3	D TIERRA	0.713	6.69	69.3	
	S SEL2	3.445	34.16	333.3	SUELO EST3	3.390	33.61	327.7	
	TERRAPLEN	0.428	5.03	64.9	VEGETAL	3.034	30.15	298.9	
110.000	FIRME	4.030	40.21	428.5	D TIERRA	0.811	7.61	76.9	
	S SEL2	3.477	34.56	367.9	SUELO EST3	3.423	34.03	361.7	
	TERRAPLEN	0.454	4.39	69.3	VEGETAL	3.052	30.39	329.3	
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 8: Enlace de Due□s: Ramal 1									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
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120.000	FIRME	4.032	40.27	468.7	D TIERRA	0.787	7.98	84.8	
	S SEL2	3.520	34.94	402.8	SUELO EST3	3.469	34.42	396.1	
	TERRAPLEN	0.336	3.94	73.3	VEGETAL	3.070	30.57	359.9	
130.000	FIRME	4.032	40.27	509.0	D TIERRA	1.227	10.06	94.9	
	S SEL2	3.495	35.03	437.9	SUELO EST3	3.501	34.81	431.0	
	TERRAPLEN	0.063	1.99	75.3	VEGETAL	3.026	30.44	390.3	
140.000	FIRME	4.032	40.27	549.3	D TIERRA	1.633	14.28	109.2	
	S SEL2	3.289	33.88	471.8	SUELO EST3	3.442	34.68	465.6	
	TERRAPLEN	0.067	0.65	75.9	VEGETAL	2.916	29.68	420.0	
150.000	FIRME	4.032	40.27	589.6	D TIERRA	1.400	15.15	124.3	
	S SEL2	3.333	33.07	504.8	SUELO EST3	3.473	34.54	500.2	
	TERRAPLEN	0.063	0.65	76.5	VEGETAL	2.939	29.24	449.2	
160.000	FIRME	4.032	40.28	629.8	D TIERRA	0.613	10.06	134.4	
	S SEL2	3.394	33.60	538.4	SUELO EST3	3.493	34.79	535.0	
	TERRAPLEN	1.234	6.47	83.0	VEGETAL	2.971	29.52	478.8	
170.000	FIRME	4.032	40.28	670.1	D TIERRA	0.835	7.24	141.6	
	S SEL2	3.503	34.44	572.9	SUELO EST3	3.471	34.78	569.7	
	TERRAPLEN	1.354	12.91	95.9	VEGETAL	3.043	30.03	508.8	
180.000	FIRME	4.024	40.23	710.4	D TIERRA	1.730	12.83	154.5	
	S SEL2	3.450	34.72	607.6	SUELO EST3	3.396	34.30	604.0	
	TERRAPLEN	1.592	14.69	110.6	VEGETAL	3.030	30.33	539.1	
190.000	FIRME	4.080	40.48	750.8	D TIERRA	2.562	21.46	175.9	
	S SEL2	3.431	34.36	642.0	SUELO EST3	3.374	33.81	637.8	
	TERRAPLEN	2.347	19.65	130.3	VEGETAL	3.147	30.85	570.0	
200.000	FIRME	4.442	42.57	793.4	D TIERRA	6.213	43.88	219.8	
	S SEL2	3.670	35.46	677.4	SUELO EST3	3.613	34.89	672.7	
	TERRAPLEN	2.473	24.03	154.3	VEGETAL	3.480	33.10	603.1	
210.000	FIRME	4.442	44.38	837.8	D TIERRA	9.919	80.65	300.4	
	S SEL2	3.670	36.65	714.1	SUELO EST3	3.613	36.09	708.8	
	TERRAPLEN	2.007	22.33	176.6	VEGETAL	3.607	35.39	638.5	
220.000	FIRME	4.442	44.38	882.2	D TIERRA	14.666	122.86	423.3	

		S SEL2	3.670	36.65	750.7	SUELO EST3	3.613	36.09	744.9
230.000		TERRAPLEN	0.832	14.14	190.8	VEGETAL	3.682	36.40	674.9
		FIRME	4.464	44.49	926.7	D TIERRA	18.459	165.48	588.8
		S SEL2	3.260	34.61	785.3	SUELO EST3	3.434	35.20	780.1
		TERRAPLEN	0.040	4.35	195.1	VEGETAL	3.153	34.13	709.0
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 8: Enlace de Dueños: Ramal 1									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

240.000	FIRME	4.440	44.47	971.1	D TIERRA	20.403	194.07	782.9	
	S SEL2	3.192	32.23	817.6	SUELO EST3	3.365	33.95	814.1	
	TERRAPLEN	0.019	0.30	195.4	VEGETAL	3.144	31.45	740.4	
250.000	FIRME	4.437	44.33	1015.5	D TIERRA	20.911	206.25	989.1	
	S SEL2	3.677	34.31	851.9	SUELO EST3	3.621	34.88	849.0	
	TERRAPLEN	1.778	9.00	204.4	VEGETAL	4.106	36.21	776.6	
260.000	FIRME	4.437	44.31	1059.8	D TIERRA	20.146	204.90	1194.0	
	S SEL2	3.677	36.74	888.6	SUELO EST3	3.620	36.16	885.1	
	TERRAPLEN	8.476	51.37	255.8	VEGETAL	4.827	44.64	821.3	
260.467	FIRME	4.436	2.07	1061.8	D TIERRA	20.070	9.37	1203.4	
	S SEL2	3.677	1.72	890.3	SUELO EST3	3.621	1.69	886.8	
	TERRAPLEN	8.831	4.05	259.8	VEGETAL	4.847	2.26	823.5	
270.000	FIRME	4.581	42.64	1104.5	D TIERRA	18.551	181.77	1385.1	
	S SEL2	3.800	35.43	925.7	SUELO EST3	3.744	34.87	921.7	
	TERRAPLEN	15.129	115.52	375.4	VEGETAL	5.264	48.10	871.6	
280.000	FIRME	4.732	45.52	1150.0	D TIERRA	17.726	174.46	1559.6	
	S SEL2	3.931	37.99	963.7	SUELO EST3	3.873	37.34	959.0	
	TERRAPLEN	19.786	179.93	555.3	VEGETAL	5.527	53.74	925.4	
290.000	FIRME	4.883	46.19	1196.2	D TIERRA	17.462	164.23	1723.8	
	S SEL2	4.061	38.74	1002.5	SUELO EST3	4.003	38.02	997.0	
	TERRAPLEN	18.569	201.03	756.3	VEGETAL	5.473	54.56	979.9	
300.000	FIRME	5.034	46.73	1242.9	D TIERRA	18.669	164.11	1888.0	
	S SEL2	4.190	39.38	1041.8	SUELO EST3	4.133	38.60	1035.6	
	TERRAPLEN	13.917	173.48	929.8	VEGETAL	5.418	53.66	1033.6	
310.000	FIRME	5.044	46.60	1289.5	D TIERRA	21.701	182.75	2070.7	
	S SEL2	3.763	37.11	1079.0	SUELO EST3	3.936	37.50	1073.1	
	TERRAPLEN	0.039	76.25	1006.0	VEGETAL	3.545	42.95	1076.5	
320.000	FIRME	5.130	46.75	1336.3	D TIERRA	17.849	184.21	2254.9	
	S SEL2	4.292	36.64	1115.6	SUELO EST3	4.235	37.35	1110.5	
	TERRAPLEN	9.486	33.26	1039.3	VEGETAL	5.862	40.90	1117.5	
321.967	FIRME	5.152	9.31	1345.6	D TIERRA	16.170	32.28	2287.2	
	S SEL2	4.314	7.61	1123.2	SUELO EST3	4.256	7.59	1118.1	
	TERRAPLEN	13.921	15.35	1054.7	VEGETAL	5.901	9.59	1127.0	
330.000	FIRME	5.224	38.26	1383.8	D TIERRA	8.705	98.10	2385.3	
	S SEL2	4.387	31.30	1154.5	SUELO EST3	4.330	31.22	1149.3	
	TERRAPLEN	32.338	127.31	1182.0	VEGETAL	5.885	38.84	1165.9	
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 8: Enlace de Dueños: Ramal 1									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

340.000	FIRME	5.275	48.07	1431.9	D TIERRA	2.934	59.05	2444.3	
	S SEL2	4.444	39.43	1193.9	SUELO EST3	4.385	39.33	1188.6	
	TERRAPLEN	51.796	302.91	1484.9	VEGETAL	5.856	47.68	1213.6	
340.222	FIRME	5.275	1.07	1433.0	D TIERRA	2.833	0.67	2445.0	
	S SEL2	4.445	0.88	1194.8	SUELO EST3	4.387	0.88	1189.5	
	TERRAPLEN	51.913	8.48	1493.4	VEGETAL	5.850	1.05	1214.6	
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 8: Enlace de Dueños: Ramal 1									

* * * RESUMEN DE VOLUMENES TOTALES * * *									

	MATERIAL	VOLUMEN							
	-----	-----							
	FIRME	1433.0							
	D TIERRA	2445.0							
	S SEL2	1194.8							
	SUELO EST3	1189.5							
	TERRAPLEN	1493.4							
	VEGETAL	1214.6							
Istram 18.05.05.29 12/07/18 09:52:09 459									
PROYECTO :									
EJE: 9: Enlace de Dueños: Ramal 2									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

17.183	FIRME	4.583	0.00	0.0	S SEL2	4.345	0.00	0.0	
	SUELO EST3	4.058	0.00	0.0	TERRAPLEN	135.987	0.00	0.0	
	VEGETAL	7.832	0.00	0.0					
20.000	FIRME	4.553	11.92	11.9	S SEL2	4.312	11.32	11.3	
	SUELO EST3	4.026	10.57	10.6	TERRAPLEN	134.466	353.39	353.4	
	VEGETAL	7.785	20.41	20.4					

30.000	FIRME	4.482	41.95	53.9	S SEL2	4.235	39.76	51.1
	SUELO EST3	3.948	37.09	47.7	TERRAPLEN	122.380	1185.93	1539.3
	VEGETAL	6.956	67.62	88.0				
40.000	FIRME	4.468	41.67	95.5	S SEL2	4.224	39.43	90.5
	SUELO EST3	3.937	36.75	84.4	TERRAPLEN	98.151	995.30	2534.6
	VEGETAL	6.046	57.87	145.9				
50.000	FIRME	4.498	42.00	137.5	S SEL2	4.244	39.69	130.2
	SUELO EST3	3.960	37.01	121.4	TERRAPLEN	75.822	764.68	3299.3
	VEGETAL	5.521	50.61	196.5				
60.000	FIRME	4.420	42.23	179.8	D TIERRA	0.024	0.13	0.1
	S SEL2	4.030	39.11	169.3	SUELO EST3	3.891	37.19	158.6
	TERRAPLEN	60.277	596.97	3896.3	VEGETAL	5.265	47.83	244.3
70.000	FIRME	4.343	41.97	221.8	D TIERRA	0.000	0.12	0.2
	S SEL2	4.113	38.94	208.2	SUELO EST3	3.828	36.97	195.6
	TERRAPLEN	53.541	509.28	4405.6	VEGETAL	5.213	47.73	292.1
80.000	FIRME	4.266	41.67	263.4	S SEL2	4.048	39.51	247.7
	SUELO EST3	3.762	36.74	232.3	TERRAPLEN	50.229	478.75	4884.3
	VEGETAL	5.094	48.25	340.3				
90.000	FIRME	4.188	41.32	304.7	S SEL2	3.981	39.25	287.0
	SUELO EST3	3.695	36.45	268.8	TERRAPLEN	46.397	459.06	5343.4
	VEGETAL	4.966	48.23	388.6				
100.000	FIRME	4.110	40.93	345.7	S SEL2	3.915	38.95	325.9
	SUELO EST3	3.629	36.13	304.9	TERRAPLEN	40.633	423.29	5766.7
	VEGETAL	4.691	47.19	435.7				
110.000	FIRME	4.033	40.51	386.2	S SEL2	3.849	38.62	364.6
	SUELO EST3	3.563	35.78	340.7	TERRAPLEN	34.520	372.23	6138.9
	VEGETAL	4.440	45.29	481.0				
120.000	FIRME	4.032	40.28	426.5	S SEL2	3.849	38.45	403.0
	SUELO EST3	3.561	35.58	376.3	TERRAPLEN	28.913	316.62	6455.5
	VEGETAL	4.233	43.30	524.3				

Istram 18.05.05.29 12/07/18 09:52:09 459 pagina 2
PROYECTO :
EJE: 9: Enlace de Dueñs: Ramal 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

130.000	FIRME	4.032	40.27	466.7	S SEL2	3.848	38.44	441.5
	SUELO EST3	3.561	35.58	411.8	TERRAPLEN	21.710	252.74	6708.3
	VEGETAL	3.986	41.04	565.4				
140.000	FIRME	4.032	40.27	507.0	S SEL2	3.848	38.44	479.9
	SUELO EST3	3.561	35.57	447.4	TERRAPLEN	15.508	185.84	6894.1
	VEGETAL	3.764	38.70	604.1				
150.000	FIRME	4.032	40.27	547.3	S SEL2	3.848	38.44	518.3
	SUELO EST3	3.561	35.57	483.0	TERRAPLEN	10.046	127.62	7021.7
	VEGETAL	3.555	36.55	640.6				
160.000	FIRME	4.032	40.28	587.6	S SEL2	3.846	38.43	556.8
	SUELO EST3	3.562	35.58	518.6	TERRAPLEN	5.208	76.18	7097.9
	VEGETAL	3.323	34.35	675.0				
170.000	FIRME	4.032	40.28	627.8	D TIERRA	0.025	0.13	0.4
	S SEL2	3.654	37.46	594.2	SUELO EST3	3.560	35.57	554.1
	TERRAPLEN	1.491	33.46	7131.4	VEGETAL	3.111	32.13	707.1
180.000	FIRME	4.032	40.28	668.1	D TIERRA	1.096	5.60	6.0
	S SEL2	3.352	34.99	629.2	SUELO EST3	3.469	35.11	589.2
	TERRAPLEN	0.063	7.76	7139.1	VEGETAL	2.949	30.26	737.4
190.000	FIRME	4.021	40.22	708.3	D TIERRA	2.822	19.57	25.5
	S SEL2	3.146	32.45	661.7	SUELO EST3	3.314	33.88	623.1
	TERRAPLEN	0.042	0.52	7139.6	VEGETAL	2.826	28.84	766.2
200.000	FIRME	3.986	39.99	748.3	D TIERRA	3.963	33.89	59.4
	S SEL2	3.016	30.77	692.4	SUELO EST3	3.189	32.48	655.6
	TERRAPLEN	0.023	0.32	7140.0	VEGETAL	2.734	27.77	794.0
210.000	FIRME	4.058	40.18	788.5	D TIERRA	4.675	43.14	102.6
	S SEL2	3.019	30.14	722.6	SUELO EST3	3.192	31.87	687.5
	TERRAPLEN	0.044	0.33	7140.3	VEGETAL	2.812	27.70	821.7
220.000	FIRME	4.078	40.64	829.1	D TIERRA	4.877	47.71	150.3
	S SEL2	3.035	30.24	752.8	SUELO EST3	3.207	31.96	719.4
	TERRAPLEN	0.043	0.43	7140.7	VEGETAL	2.831	28.18	849.9
230.000	FIRME	4.097	40.84	870.0	D TIERRA	5.058	49.63	199.9
	S SEL2	3.050	30.39	783.2	SUELO EST3	3.223	32.12	751.6
	TERRAPLEN	0.043	0.43	7141.2	VEGETAL	2.850	28.37	878.2
240.000	FIRME	4.116	41.02	911.0	D TIERRA	5.218	51.33	251.2
	S SEL2	3.065	30.55	813.8	SUELO EST3	3.238	32.27	783.8
	TERRAPLEN	0.043	0.43	7141.6	VEGETAL	2.866	28.55	906.8

Istram 18.05.05.29 12/07/18 09:52:09 459 pagina 3
PROYECTO :
EJE: 9: Enlace de Dueñs: Ramal 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

250.000	FIRME	4.139	41.23	952.2	D TIERRA	5.389	52.99	304.2
	S SEL2	3.085	30.72	844.5	SUELO EST3	3.258	32.44	816.3
	TERRAPLEN	0.043	0.43	7142.0	VEGETAL	2.888	28.74	935.5
260.000	FIRME	4.111	41.21	993.4	D TIERRA	5.598	54.89	359.1
	S SEL2	3.044	30.61	875.1	SUELO EST3	3.217	32.34	848.6
	TERRAPLEN	0.037	0.40	7142.4	VEGETAL	2.855	28.69	964.2
270.000	FIRME	4.046	40.74	1034.2	D TIERRA	5.668	56.28	415.4
	S SEL2	2.980	30.09	905.2	SUELO EST3	3.154	31.82	880.4
	TERRAPLEN	0.034	0.36	7142.8	VEGETAL	2.799	28.24	992.5
280.000	FIRME	3.993	40.15	1074.3	D TIERRA	5.570	56.13	471.5
	S SEL2	2.938	29.56	934.7	SUELO EST3	3.113	31.30	911.7
	TERRAPLEN	0.035	0.34	7143.1	VEGETAL	2.760	27.77	1020.2

290.000	FIRME	3.962	39.74	1114.1	D TIERRA	5.508	55.34	526.9
	S SEL2	2.918	29.25	964.0	SUELO EST3	3.091	30.99	942.7
	TERRAPLEN	0.036	0.36	7143.5	VEGETAL	2.743	27.49	1047.7
300.000	FIRME	3.929	39.42	1153.5	D TIERRA	5.364	54.31	581.2
	S SEL2	2.898	29.06	993.0	SUELO EST3	3.072	30.79	973.5
	TERRAPLEN	0.040	0.38	7143.9	VEGETAL	2.726	27.32	1075.0
310.000	FIRME	3.924	39.23	1192.7	D TIERRA	5.319	53.37	634.6
	S SEL2	2.893	28.93	1022.0	SUELO EST3	3.066	30.66	1004.2
	TERRAPLEN	0.039	0.39	7144.2	VEGETAL	2.720	27.21	1102.2
320.000	FIRME	3.940	39.28	1232.0	D TIERRA	5.507	54.08	688.6
	S SEL2	2.900	28.94	1050.9	SUELO EST3	3.073	30.67	1034.8
	TERRAPLEN	0.037	0.38	7144.6	VEGETAL	2.731	27.23	1129.5
330.000	FIRME	3.959	39.46	1271.5	D TIERRA	5.712	56.05	744.7
	S SEL2	2.909	29.02	1079.9	SUELO EST3	3.082	30.75	1065.6
	TERRAPLEN	0.036	0.37	7145.0	VEGETAL	2.744	27.35	1156.8
340.000	FIRME	3.980	39.66	1311.1	D TIERRA	5.927	58.15	802.8
	S SEL2	2.920	29.12	1109.0	SUELO EST3	3.092	30.84	1096.4
	TERRAPLEN	0.035	0.35	7145.3	VEGETAL	2.759	27.49	1184.3
350.000	FIRME	3.994	39.83	1351.0	D TIERRA	6.059	59.88	862.7
	S SEL2	2.927	29.21	1138.2	SUELO EST3	3.099	30.93	1127.3
	TERRAPLEN	0.034	0.35	7145.7	VEGETAL	2.768	27.61	1211.9
355.298	FIRME	3.995	21.14	1372.1	D TIERRA	6.055	32.06	894.8
	S SEL2	2.927	15.49	1153.7	SUELO EST3	3.100	16.41	1143.7
	TERRAPLEN	0.034	0.18	7145.9	VEGETAL	2.769	14.65	1226.6

Istram 18.05.05.29 12/07/18 09:52:09 459 pagina 4
PROYECTO :
EJE: 9: Enlace de Dueñs: Ramal 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL		VOLUMEN	
-----		-----	
FIRME		1372.1	
D TIERRA		894.8	
S SEL2		1153.7	
SUELO EST3		1143.7	
TERRAPLEN		7145.9	
VEGETAL		1226.6	

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 1
PROYECTO :
EJE: 10: Enlace de Dueñas: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	FIRME	4.267	0.00	0.0	D TIERRA	4.236	0.00	0.0
	S SEL2	3.519	0.00	0.0	SUELO EST3	3.463	0.00	0.0
	TERRAPLEN	0.404	0.00	0.0	VEGETAL	3.246	0.00	0.0
10.000	FIRME	4.267	42.64	42.6	D TIERRA	4.028	41.33	41.3
	S SEL2	3.520	35.15	35.2	SUELO EST3	3.463	34.60	34.6
	TERRAPLEN	0.629	5.15	5.2	VEGETAL	3.255	32.47	32.5
20.000	FIRME	4.267	42.64	85.3	D TIERRA	3.849	39.40	80.7
	S SEL2	3.519	35.15	70.3	SUELO EST3	3.463	34.60	69.2
	TERRAPLEN	0.788	7.07	12.2	VEGETAL	3.262	32.55	65.0
30.000	FIRME	4.267	42.64	127.9	D TIERRA	3.788	38.20	118.9
	S SEL2	3.520	35.15	105.5	SUELO EST3	3.463	34.59	103.8
	TERRAPLEN	0.697	7.41	19.6	VEGETAL	3.256	32.56	97.6
40.000	FIRME	4.267	42.64	170.6	D TIERRA	3.780	37.85	156.8
	S SEL2	3.520	35.16	140.6	SUELO EST3	3.463	34.59	138.4
	TERRAPLEN	0.690	6.92	26.5	VEGETAL	3.243	32.46	130.0
50.000	FIRME	4.268	42.64	213.2	D TIERRA	4.057	39.19	196.0
	S SEL2	3.520	35.16	175.8	SUELO EST3	3.463	34.59	173.0
	TERRAPLEN	0.691	6.89	33.4	VEGETAL	3.244	32.40	162.4
60.000	FIRME	4.284	42.73	255.9	D TIERRA	4.438	42.49	238.5
	S SEL2	3.534	35.23	211.0	SUELO EST3	3.478	34.67	207.6
	TERRAPLEN	0.632	6.60	40.0	VEGETAL	3.262	32.50	194.9
70.000	FIRME	4.324	43.01	298.9	D TIERRA	4.494	44.67	283.1
	S SEL2	3.568	35.47	246.5	SUELO EST3	3.511	34.91	242.6
	TERRAPLEN	0.513	5.71	45.7	VEGETAL	3.285	32.70	227.7
80.000	FIRME	4.363	43.40	342.3	D TIERRA	4.490	44.93	328.1
	S SEL2	3.600	35.80	282.3	SUELO EST3	3.544	35.24	277.8
	TERRAPLEN	0.300	4.06	49.8	VEGETAL	3.293	32.86	260.5
90.000	FIRME	4.402	43.78	386.1	D TIERRA	4.659	45.76	373.8
	S SEL2	3.627	36.09	318.4	SUELO EST3	3.577	35.57	313.4
	TERRAPLEN	0.159	2.29	52.1	VEGETAL	3.300	32.93	293.4
100.000	FIRME	4.441	44.17	430.3	D TIERRA	5.244	49.52	423.3
	S SEL2	3.655	36.37	354.8	SUELO EST3	3.611	35.90	349.3
	TERRAPLEN	0.055	1.07	53.2	VEGETAL	3.319	33.07	326.5
110.000	FIRME	4.442	44.38	474.7	D TIERRA	5.467	53.56	476.9
	S SEL2	3.650	36.48	391.2	SUELO EST3	3.613	36.08	385.4
	TERRAPLEN	0.095	0.75	53.9	VEGETAL	3.309	33.11	359.9

130.000	FIRME	4.442	44.38	563.4	D TIERRA	8.027	69.65	603.4
	S SEL2	3.455	35.21	462.6	SUELO EST3	3.591	35.98	457.4
	TERRAPLEN	0.007	0.47	55.3	VEGETAL	3.186	32.21	424.6
140.000	FIRME	4.514	44.74	608.2	D TIERRA	9.054	85.35	688.8
	S SEL2	3.278	33.63	496.3	SUELO EST3	3.450	35.17	492.6
	TERRAPLEN	0.038	0.23	55.5	VEGETAL	3.163	31.72	456.4
150.000	FIRME	4.847	46.76	654.9	D TIERRA	11.107	100.71	789.5
	S SEL2	3.499	33.85	530.1	SUELO EST3	3.672	35.57	528.2
	TERRAPLEN	0.007	0.23	55.7	VEGETAL	3.404	32.81	489.2
160.000	FIRME	4.847	48.42	703.3	D TIERRA	11.607	113.44	902.9
	S SEL2	3.499	34.95	565.1	SUELO EST3	3.672	36.68	564.9
	TERRAPLEN	0.000	0.04	55.8	VEGETAL	3.440	34.18	523.3
170.000	FIRME	4.847	48.41	751.8	D TIERRA	11.050	113.16	1016.1
	S SEL2	3.498	34.95	600.0	SUELO EST3	3.672	36.68	601.5
	TERRAPLEN	0.003	0.01	55.8	VEGETAL	3.426	34.29	557.6
180.000	FIRME	4.847	48.41	800.2	D TIERRA	9.576	103.02	1119.1
	S SEL2	3.499	34.95	634.9	SUELO EST3	3.672	36.68	638.2
	TERRAPLEN	0.020	0.11	55.9	VEGETAL	3.390	34.04	591.7
190.000	FIRME	4.250	45.44	845.6	D TIERRA	6.500	80.30	1199.4
	S SEL2	3.110	33.01	668.0	SUELO EST3	3.283	34.74	673.0
	TERRAPLEN	0.063	0.41	56.3	VEGETAL	2.996	31.89	623.6
200.000	FIRME	4.031	41.36	887.0	D TIERRA	4.352	54.21	1253.6
	S SEL2	3.272	31.88	699.8	SUELO EST3	3.409	33.42	706.4
	TERRAPLEN	0.000	0.31	56.6	VEGETAL	2.906	29.48	653.0
210.000	FIRME	4.032	40.27	927.2	D TIERRA	1.831	30.89	1284.5
	S SEL2	3.616	34.40	734.2	SUELO EST3	3.541	34.71	741.1
	TERRAPLEN	0.078	0.39	57.0	VEGETAL	3.107	30.03	683.1
220.000	FIRME	4.032	40.28	967.5	D TIERRA	0.163	9.97	1294.4
	S SEL2	3.825	37.16	771.4	SUELO EST3	3.561	35.47	776.6
	TERRAPLEN	2.279	11.76	68.8	VEGETAL	3.346	32.23	715.3
230.000	FIRME	4.032	40.27	1007.8	D TIERRA	0.000	0.81	1295.3
	S SEL2	3.848	38.32	809.7	SUELO EST3	3.562	35.58	812.1
	TERRAPLEN	7.097	46.79	115.6	VEGETAL	3.619	34.79	750.1

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 10: Enlace de Dueñas: Ramal 3

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	FIRME	4.032	40.27	1048.1		S SEL2	3.848	38.44	848.2	
	SUELO EST3	3.561	35.57	847.7		TERRAPLEN	13.319	101.91	217.5	
	VEGETAL	3.923	37.66	787.7						
250.000	FIRME	4.032	40.27	1088.3		S SEL2	3.848	38.44	886.6	
	SUELO EST3	3.562	35.57	883.3		TERRAPLEN	21.038	171.52	389.0	
	VEGETAL	4.620	42.67	830.4						
256.677	FIRME	4.032	26.89	1115.2		S SEL2	3.848	25.67	912.3	
	SUELO EST3	3.562	23.75	907.0		TERRAPLEN	27.150	160.64	549.6	
	VEGETAL	4.915	31.80	862.2						
260.000	FIRME	4.077	13.43	1128.7		S SEL2	3.887	12.81	925.1	
	SUELO EST3	3.600	11.86	918.9		TERRAPLEN	36.463	105.22	654.9	
	VEGETAL	5.194	16.75	879.0						
270.000	FIRME	4.213	41.00	1169.7		S SEL2	4.003	39.02	964.1	
	SUELO EST3	3.716	36.18	955.1		TERRAPLEN	47.185	411.15	1066.0	
	VEGETAL	5.778	54.23	933.2						
280.000	FIRME	4.348	41.78	1211.4		S SEL2	4.118	39.64	1003.7	
	SUELO EST3	3.832	36.84	991.9		TERRAPLEN	57.140	502.36	1568.4	
	VEGETAL	6.376	59.11	992.3						
290.000	FIRME	4.483	42.44	1253.9		S SEL2	4.235	40.15	1043.9	
	SUELO EST3	3.948	37.40	1029.3		TERRAPLEN	62.489	560.67	2129.0	
	VEGETAL	6.752	62.64	1054.9						
300.000	FIRME	4.618	43.01	1296.9		S SEL2	4.351	40.58	1084.5	
	SUELO EST3	4.063	37.86	1067.2		TERRAPLEN	63.444	567.18	2696.2	
	VEGETAL	6.130	59.39	1114.3						
310.000	FIRME	4.610	42.88	1339.8		S SEL2	4.359	40.47	1124.9	
	SUELO EST3	4.072	37.80	1105.0		TERRAPLEN	71.620	584.07	3280.3	
	VEGETAL	6.052	53.46	1167.8						
318.177	FIRME	4.641	34.63	1374.4		S SEL2	4.394	32.76	1157.7	
	SUELO EST3	4.109	30.61	1135.6		TERRAPLEN	91.392	570.64	3850.9	
	VEGETAL	6.299	43.10	1210.9						
320.000	FIRME	4.657	7.70	1382.1		S SEL2	4.407	7.29	1165.0	
	SUELO EST3	4.121	6.81	1142.4		TERRAPLEN	96.784	147.91	3998.8	
	VEGETAL	6.466	9.89	1220.8						
330.000	FIRME	4.734	42.53	1424.6		S SEL2	4.480	40.27	1205.2	
	SUELO EST3	4.193	37.68	1180.1		TERRAPLEN	117.448	944.38	4943.2	
	VEGETAL	7.436	60.66	1281.4						

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 10: Enlace de Dueñas: Ramal 3

pagina 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
334.717	FIRME	4.764	20.22	1444.8		S SEL2	4.512	19.17	1224.4	
	SUELO EST3	4.226	17.95	1198.0		TERRAPLEN	121.210	504.48	5447.7	
	VEGETAL	7.549	31.61	1313.1						

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 10: Enlace de Dueñas: Ramal 3

pagina 5

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	1444.8
D TIERRA	1295.3
S SEL2	1224.4
SUELO EST3	1198.0
TERRAPLEN	5447.7
VEGETAL	1313.1

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.183	FIRME	4.505	0.00	0.0		S SEL2	4.308	0.00	0.0	
	SUELO EST3	4.022	0.00	0.0		TERRAPLEN	60.597	0.00	0.0	
	VEGETAL	5.282	0.00	0.0						
20.000	FIRME	4.468	11.77	11.8		S SEL2	4.274	11.25	11.2	
	SUELO EST3	3.987	10.49	10.5		TERRAPLEN	59.810	149.96	150.0	
	VEGETAL	5.235	13.02	13.0						
30.000	FIRME	4.408	41.40	53.2		D TIERRA	0.025	0.13	0.1	
	S SEL2	4.094	38.92	50.2		SUELO EST3	3.918	36.84	47.3	
	TERRAPLEN	49.438	479.04	629.0		VEGETAL	4.895	44.40	57.4	
40.000	FIRME	4.456	41.36	94.5		D TIERRA	1.116	5.88	6.0	
	S SEL2	3.888	36.94	87.1		SUELO EST3	3.832	36.08	83.4	
	TERRAPLEN	32.373	348.15	977.1		VEGETAL	4.754	42.03	99.5	
50.000	FIRME	4.522	41.83	136.4		D TIERRA	1.784	14.70	20.7	
	S SEL2	4.056	36.65	123.8		SUELO EST3	3.961	36.23	119.6	
	TERRAPLEN	18.087	205.05	1182.2		VEGETAL	4.837	41.74	141.2	
50.187	FIRME	4.522	0.79	137.1		D TIERRA	1.784	0.33	21.0	
	S SEL2	4.064	0.70	124.5		SUELO EST3	3.964	0.69	120.3	
	TERRAPLEN	17.886	2.65	1184.8		VEGETAL	4.840	0.79	142.0	
60.000	FIRME	4.423	41.21	178.4		D TIERRA	0.000	8.79	29.8	
	S SEL2	4.185	37.89	162.4		SUELO EST3	3.897	36.21	156.5	
	TERRAPLEN	17.420	149.44	1334.3		VEGETAL	6.045	48.94	190.9	
70.000	FIRME	4.323	41.74	220.1		S SEL2	4.098	39.53	201.9	
	SUELO EST3	3.812	36.79	193.3		TERRAPLEN	20.197	180.68	1515.0	
	VEGETAL	5.725	56.26	247.2						
80.000	FIRME	4.224	41.40	261.5		S SEL2	4.013	39.29	241.2	
	SUELO EST3	3.726	36.52	229.9		TERRAPLEN	19.145	194.26	1709.2	
	VEGETAL	5.334	53.64	300.8						
90.000	FIRME	4.124	40.99	302.5		S SEL2	3.927	38.99	280.2	
	SUELO EST3	3.640	36.17	266.0		TERRAPLEN	14.577	167.26	1876.5	
	VEGETAL	4.892	50.25	351.1						
99.187	FIRME	4.032	37.23	339.7		S SEL2	3.848	35.49	315.7	
	SUELO EST3	3.562	32.87	298.9		TERRAPLEN	11.345	118.53	1995.0	
	VEGETAL	4.493	42.85	393.9						
100.000	FIRME	4.032	3.27	343.0		S SEL2	3.848	3.13	318.8	
	SUELO EST3	3.561	2.89	301.8		TERRAPLEN	11.275	9.18	2004.2	
	VEGETAL	4.465	3.64	397.5						

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	FIRME	4.032		40.27	383.3	S SEL2	3.849		38.44	357.2
	SUELO EST3	3.562		35.58	337.4	TERRAPLEN	8.113		96.80	2101.0
	VEGETAL	4.064		42.60	440.1					
120.000	FIRME	4.032		40.27	423.5	S SEL2	3.848		38.44	395.7
	SUELO EST3	3.561		35.57	372.9	TERRAPLEN	4.991		65.39	2166.4
	VEGETAL	3.556		38.05	478.2					
130.000	FIRME	4.032		40.27	463.8	D TIERRA	0.256	1.28		31.1
	S SEL2	3.802		38.21	433.9	SUELO EST3	3.561	35.57		408.5
	TERRAPLEN	2.641		38.07	2204.5	VEGETAL	3.364	34.56		512.8
140.000	FIRME	4.032		40.28	504.1	D TIERRA	1.062	6.59		37.7
	S SEL2	3.693		37.43	471.3	SUELO EST3	3.558	35.56		444.1
	TERRAPLEN	1.064		18.48	2222.9	VEGETAL	3.203	32.79		545.6
150.000	FIRME	4.032		40.27	544.4	D TIERRA	1.759	14.11		51.8
	S SEL2	3.595		36.40	507.7	SUELO EST3	3.534	35.42		479.5
	TERRAPLEN	0.128		5.95	2228.9	VEGETAL	3.092	31.43		577.0
160.000	FIRME	4.031		40.27	584.6	D TIERRA	2.694	22.26		74.1
	S SEL2	3.497		35.42	543.1	SUELO EST3	3.517	35.22		514.7
	TERRAPLEN	0.000		0.64	2229.5	VEGETAL	3.025	30.55		607.5
170.000	FIRME	4.032		40.27	624.9	D TIERRA	3.701	31.95		106.0
	S SEL2	3.366		34.27	577.4	SUELO EST3	3.454	34.81		549.5
	VEGETAL	2.956		29.87	637.4					
180.000	FIRME	4.056		40.39	665.3	D TIERRA	4.240	39.67		145.7
	S SEL2	3.250		33.04	610.4	SUELO EST3	3.346	33.96		583.5
	TERRAPLEN	0.031		0.16	2229.7	VEGETAL	2.939	29.44		666.8
190.000	FIRME	4.031		40.39	705.7	D TIERRA	4.714	44.73		190.4
	S SEL2	3.349		32.95	643.4	SUELO EST3	3.428	33.83		617.3
	TERRAPLEN	0.000		0.16	2229.9	VEGETAL	2.944	29.38		696.2
200.000	FIRME	4.032		40.27	746.0	D TIERRA	4.816	47.61		238.0
	S SEL2	3.389		33.65	677.0	SUELO EST3	3.449	34.34		651.7
	VEGETAL	2.968		29.53	725.8					
210.000	FIRME	4.032		40.28	786.2	D TIERRA	4.797	48.03		286.1
	S SEL2	3.440		34.10	711.1	SUELO EST3	3.477	34.59		686.2
	VEGETAL	2.995		29.78	755.5					

220.000	FIRME	4.032	40.28	826.5	D TIERRA	4.665	47.27	333.3
	S SEL2	3.469	34.50	745.6	SUELO EST3	3.488	34.78	721.0
	VEGETAL	3.012	30.00	785.5				

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 3

PROYECTO :

EJE: 11: Enlace de Dueños: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	FIRME	4.032	40.28	866.8	D TIERRA	4.725	46.90	380.2
	S SEL2	3.477	34.69	780.3	SUELO EST3	3.481	34.80	755.8
	VEGETAL	3.018	30.11	815.6				
240.000	FIRME	4.032	40.28	907.1	D TIERRA	4.712	47.14	427.4
	S SEL2	3.474	34.71	815.0	SUELO EST3	3.465	34.69	790.5
	VEGETAL	3.019	30.15	845.8				
250.000	FIRME	4.032	40.28	947.4	D TIERRA	4.753	47.27	474.6
	S SEL2	3.474	34.69	849.7	SUELO EST3	3.454	34.55	825.1
	VEGETAL	3.024	30.18	876.0				
260.000	FIRME	4.005	40.14	987.5	D TIERRA	4.981	48.61	523.2
	S SEL2	3.450	34.57	884.3	SUELO EST3	3.419	34.32	859.4
	VEGETAL	3.010	30.13	906.1				
270.000	FIRME	3.966	39.81	1027.3	D TIERRA	5.233	51.01	574.3
	S SEL2	3.403	34.22	918.5	SUELO EST3	3.385	33.98	893.4
	VEGETAL	2.970	29.86	936.0				
280.000	FIRME	3.927	39.42	1066.7	D TIERRA	5.096	51.58	625.8
	S SEL2	3.233	33.14	951.7	SUELO EST3	3.353	33.65	927.0
	VEGETAL	2.859	29.11	965.1				
290.000	FIRME	3.888	39.03	1105.8	D TIERRA	4.876	49.80	675.6
	S SEL2	3.132	31.79	983.5	SUELO EST3	3.291	33.18	960.2
	VEGETAL	2.796	28.24	993.3				
300.000	FIRME	3.856	38.68	1144.4	D TIERRA	4.565	47.15	722.8
	S SEL2	3.031	30.78	1014.2	SUELO EST3	3.201	32.43	992.6
	VEGETAL	2.733	27.61	1020.9				
310.000	FIRME	3.891	38.70	1183.1	D TIERRA	4.277	44.16	766.9
	S SEL2	2.986	30.06	1044.3	SUELO EST3	3.152	31.74	1024.4
	TERRAPLEN	0.029	0.15	2230.0	VEGETAL	2.759	27.43	1048.4
320.000	FIRME	3.856	38.70	1221.8	D TIERRA	4.082	41.75	808.7
	S SEL2	3.072	30.26	1074.6	SUELO EST3	3.231	31.88	1056.2
	TERRAPLEN	0.000	0.15	2230.1	VEGETAL	2.754	27.54	1075.9
330.000	FIRME	3.857	38.53	1260.4	D TIERRA	3.818	39.46	848.1
	S SEL2	3.104	30.85	1105.4	SUELO EST3	3.254	32.39	1088.6
	VEGETAL	2.773	27.61	1103.5				
340.000	FIRME	3.857	38.53	1298.9	D TIERRA	3.724	37.67	885.8
	S SEL2	3.136	31.17	1136.6	SUELO EST3	3.277	32.63	1121.3
	VEGETAL	2.790	27.79	1131.3				

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 4

PROYECTO :

EJE: 11: Enlace de Dueños: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	FIRME	3.857	38.53	1337.4	D TIERRA	3.642	36.79	922.6
	S SEL2	3.167	31.49	1168.1	SUELO EST3	3.294	32.82	1154.1
	VEGETAL	2.805	27.95	1159.2				
352.023	FIRME	3.857	7.79	1345.2	D TIERRA	3.635	7.35	930.0
	S SEL2	3.172	6.41	1174.5	SUELO EST3	3.297	6.66	1160.8
	VEGETAL	2.808	5.67	1164.9				

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 5

PROYECTO :

EJE: 11: Enlace de Dueños: Ramal 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	1345.2
D TIERRA	930.0
S SEL2	1174.5
SUELO EST3	1160.8
TERRAPLEN	2230.1
VEGETAL	1164.9

DESBROCE ENLACE DUEÑAS

Istram 18.05.05.29 12/07/18 09:54:23 459
PROYECTO :
EJE: 5: Enlace de Dueñas: Eje 1

pagina 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	94.908						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P.K.	-----		-----		-----		-----		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
0.000	1.264	1.265	40.349	41.394	0.000	0.000	0.000	0.000	
10.000	2.927	3.226	24.240	24.627	20.999	322.924	22.504	330.105	
20.000	1.251	1.251	18.824	18.969	41.929	538.211	44.939	548.052	
30.000	1.285	1.289	17.440	17.482	54.607	719.513	57.638	730.286	
40.000	1.270	1.270	16.457	16.462	67.379	888.993	70.434	900.003	
50.000	1.972	1.974	13.511	13.518	83.580	1038.848	86.646	1049.922	
60.000	12.596	12.596	2.097	2.097	156.402	1116.919	159.478	1128.030	
70.000	14.305	14.307	0.000	0.000	290.897	1127.417	293.985	1138.528	
80.000	14.532	14.544	0.000	0.000	435.082	1127.417	438.242	1138.528	
90.000	14.159	14.169	0.000	0.000	578.534	1127.417	581.808	1138.528	
94.908	14.854	14.868	0.000	0.000	649.731	1127.417	653.065	1138.528	

Istram 18.05.05.29 12/07/18 10:14:40 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	114.581						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P.K.	-----		-----		-----		-----		-----
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
0.000	13.048	13.061	25.497	26.399	0.000	0.000	0.000	0.000	
10.000	7.506	7.518	12.844	12.905	102.773	191.703	102.898	196.519	
20.000	0.619	0.633	19.571	20.281	143.401	353.777	143.653	362.446	
30.000	0.750	0.750	29.071	29.353	150.247	596.987	150.567	610.615	
32.400	0.750	0.750	29.842	30.007	152.047	667.683	152.367	681.846	
78.400	0.739	0.739	31.405	31.522	152.047	667.683	152.367	681.846	
80.000	0.738	0.738	31.024	31.188	153.229	717.626	153.549	732.015	
90.000	0.536	0.559	20.838	21.761	159.599	976.936	160.035	996.763	
100.000	12.845	12.847	2.463	2.464	226.503	1093.444	227.067	1117.891	
110.000	15.918	15.942	14.099	14.553	370.315	1176.255	371.013	1202.978	
114.581	15.166	15.210	25.865	26.833	441.512	1267.792	442.367	1297.773	

Istram 18.05.05.29 12/07/18 09:54:23 459
PROYECTO :
EJE: 7: Enlace de Dueñas: Eje 3

pagina 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:	0.000									
PK final		:	61.000									
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL					
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	1.205	1.212	39.680	40.457	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	1.274	1.275	24.379	24.698	12.413	319.585	12.451	325.141	12.451	325.141	12.451	325.141
20.000	1.457	1.477	17.523	17.625	26.105	529.005	26.254	536.719	26.254	536.719	26.254	536.719
30.000	1.288	1.290	16.780	16.918	39.873	700.567	40.135	709.497	40.135	709.497	40.135	709.497
40.000	1.339	1.346	14.803	14.846	53.013	858.476	53.320	868.312	53.320	868.312	53.320	868.312
48.262	14.610	14.617	0.000	0.000	118.902	919.640	119.268	929.654	119.268	929.654	119.268	929.654
50.000	14.562	14.572	0.000	0.000	144.252	919.640	144.633	929.654	144.633	929.654	144.633	929.654
60.000	14.156	14.181	0.000	0.000	287.841	919.640	288.395	929.654	288.395	929.654	288.395	929.654
61.000	14.136	14.158	0.000	0.000	301.987	919.640	302.564	929.654	302.564	929.654	302.564	929.654

Istram 18.05.05.29 12/07/18 09:54:23 459
PROYECTO :
EJE: 3: Enlace de Dueñas: Glorieta Dch.

pagina 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:		0.000								
PK final		:		188.496								
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL						
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	PLANTA--	REAL--	PLANTA--	REAL--	-----	-----	-----	-----	-----	-----	-----	
0.000	0.624	0.624	40.585	40.678	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	0.624	0.624	41.168	41.265	8.570	278.494	8.571	278.583	8.571	278.583	8.571	
20.000	0.625	0.625	41.632	42.060	17.255	564.163	17.255	564.431	17.255	564.431	17.255	
30.000	0.625	0.625	41.929	42.379	26.023	855.099	26.023	855.682	26.023	855.682	26.023	

40.000	0.644	0.689	39.287	39.639	34.676	1130.223	34.969	1132.757
50.000	0.692	0.765	34.348	35.138	42.933	1357.164	43.940	1365.334
60.000	8.428	8.477	25.731	26.257	88.996	1510.654	90.644	1524.257
70.000	13.415	13.423	20.991	21.697	192.984	1602.543	194.886	1618.661
80.000	10.316	10.347	23.153	24.128	300.752	1686.770	302.842	1704.742
90.000	0.625	0.625	40.935	43.037	350.889	1873.919	353.131	1897.893
100.000	0.625	0.625	40.470	43.026	359.434	2150.046	361.676	2185.297
110.000	0.631	0.631	38.886	40.896	367.803	2412.542	370.046	2458.284
120.000	0.630	0.630	38.376	39.874	375.986	2661.280	378.231	2715.020
130.000	0.934	0.986	36.378	37.040	385.787	2894.286	388.350	2953.203
140.000	0.650	0.652	35.010	35.081	395.355	3106.708	398.244	3167.228
150.000	0.630	0.630	38.600	38.616	403.268	3333.013	406.166	3393.667
160.000	0.625	0.625	38.081	38.113	411.351	3578.022	414.249	3638.701
170.000	0.625	0.625	39.642	39.735	419.513	3829.830	422.411	3890.541
180.000	0.623	0.623	40.113	40.198	427.873	4094.876	430.771	4155.654
188.496	0.624	0.624	40.585	40.678	435.053	4325.419	437.952	4386.267

Istram 18.05.05.29 12/07/18 09:54:23 459
PROYECTO :
EJE: 4: Enlace de Dueñas: Glorieta Izq.

pagina 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:	0.000									
PK final		:	188.496									
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL					
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	PLANTA--	--REAL--	PLANTA--	--REAL--								
0.000	0.628	0.628	38.778	40.507	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	0.625	0.625	39.010	40.595	8.190	252.122	8.190	259.331	8.190	259.331	259.331	
20.000	0.620	0.620	33.007	33.832	15.730	469.723	15.730	481.411	15.730	481.411	481.411	
30.000	12.051	12.071	22.159	22.839	75.778	601.428	75.872	615.105	75.872	615.105	615.105	
40.000	1.953	1.955	31.255	31.931	142.876	723.751	143.072	741.205	143.072	741.205	741.205	
50.000	0.693	0.766	36.095	36.624	157.575	913.726	158.225	936.588	158.225	936.588	936.588	
60.000	0.610	0.611	40.372	40.431	165.916	1158.120	167.018	1183.900	167.018	1183.900	1183.900	
70.000	0.625	0.625	41.080	41.138	174.362	1434.578	175.471	1460.488	175.471	1460.488	1460.488	
80.000	0.628	0.628	39.806	39.915	182.873	1707.253	183.983	1733.419	183.983	1733.419	1733.419	
90.000	0.628	0.628	39.609	39.738	191.249	1970.032	192.359	1996.707	192.359	1996.707	1996.707	
100.000	0.632	0.632	39.155	39.279	199.585	2228.525	200.695	2255.701	200.695	2255.701	2255.701	
110.000	0.646	0.647	38.308	38.427	207.904	2478.576	209.023	2506.272	209.023	2506.272	2506.272	
120.000	0.620	0.620	37.643	37.760	215.985	2718.953	217.110	2747.333	217.110	2747.333	2747.333	
130.000	0.600	0.607	37.519	37.605	223.686	2954.341	224.858	2983.505	224.858	2983.505	2983.505	
140.000	0.634	0.634	35.645	35.679	231.267	3177.528	232.486	3207.201	232.486	3207.201	3207.201	
150.000	0.745	0.762	35.558	35.919	239.528	3388.774	240.851	3419.316	240.851	3419.316	3419.316	
160.000	0.644	0.645	38.163	39.167	248.120	3615.509	249.551	3649.166	249.551	3649.166	3649.166	
170.000	0.629	0.629	38.001	39.401	256.269	3857.218	257.706	3896.104	257.706	3896.104	3896.104	
180.000	0.628	0.628	38.369	39.956	264.337	4100.236	265.774	4145.006	265.774	4145.006	4145.006	
188.496	0.628	0.628	38.778	40.508	271.255	4310.933	272.692	4361.297	272.692	4361.297	4361.297	

Istram 18.05.05.29 12/07/18 09:54:24 459
PROYECTO :
EJE: 8: Enlace de Dueñas: Ramal 1

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial		:		0.000			
PK final		:		356.823			
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	

290.000	10.612	11.063	11.400	12.633	1208.702	2719.501	1246.241	2795.441
300.000	11.671	12.106	10.087	11.355	1309.926	2833.775	1351.699	2922.641
310.000	14.179	14.661	0.000	0.000	1427.288	2888.550	1473.317	2984.098
320.000	13.064	13.365	10.512	11.904	1554.671	2925.487	1604.159	3026.041
321.967	12.217	12.493	11.513	12.928	1578.679	2940.104	1628.645	3042.586
330.000	8.575	8.744	15.092	16.541	1660.951	3014.328	1712.488	3125.369
340.000	4.191	4.279	19.333	20.710	1726.127	3141.123	1778.894	3263.881

Istram 18.05.05.29 12/07/18 09:54:24 459

PROYECTO :

EJE: 8: Enlace de Dueños: Ramal 1

			D E S B R O C E S							
			* * * cubicacion segun distancias compensadas				* * *			

PK inicial			:	0.000						
PK final			:	356.823						

P.K.			ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			

			DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
			-PLANTA--		-REAL--		-PLANTA--		-REAL--	

340.222			4.118		4.200		19.373		20.740	
							1727.097		3144.377	
							1779.882		3267.403	

Istram 18.05.05.29 12/07/18 09:54:24 459

PROYECTO :

EJE: 9: Enlace de Dueños: Ramal 2

			D E S B R O C E S			* * *		
			* * * cubicacion segun distancias compensadas			* * *		

PK inicial			:	0.000				
PK final			:	355.298				
ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA-	--REAL--	PLANTA-	--REAL--				
17.183	0.000	0.000	31.328	31.328	0.000	0.000	0.000	0.000
20.000	0.000	0.000	31.139	31.139	0.000	81.638	0.000	81.638
30.000	0.000	0.000	27.822	28.157	0.000	352.099	0.000	354.004
40.000	0.000	0.000	24.183	25.171	0.000	583.579	0.000	592.581
50.000	0.000	0.000	22.086	23.429	0.000	786.017	0.000	806.836
60.000	0.000	0.000	21.061	22.392	0.000	977.351	0.000	1011.226
70.000	0.000	0.000	20.852	21.983	0.000	1168.275	0.000	1214.034
80.000	0.000	0.000	20.377	21.250	0.000	1361.291	0.000	1416.771
90.000	0.000	0.000	19.866	20.505	0.000	1554.208	0.000	1617.101
100.000	0.000	0.000	18.764	19.310	0.000	1742.966	0.000	1811.741
110.000	0.000	0.000	17.761	18.127	0.000	1924.135	0.000	1997.466
120.000	0.000	0.000	16.934	17.159	0.000	2097.344	0.000	2173.632
130.000	0.000	0.000	15.945	16.071	0.000	2261.516	0.000	2339.561
140.000	0.000	0.000	15.054	15.127	0.000	2416.320	0.000	2495.359
150.000	0.000	0.000	14.221	14.232	0.000	2562.528	0.000	2641.985
160.000	0.000	0.000	13.292	13.296	0.000	2699.940	0.000	2779.472
170.000	0.000	0.000	12.445	12.452	0.000	2828.480	0.000	2908.065
180.000	0.000	0.000	11.795	11.803	0.000	2949.545	0.000	3029.201
190.000	1.773	1.773	9.530	9.536	8.870	3056.030	8.873	3135.758
200.000	7.940	7.947	3.000	3.001	57.397	3118.586	57.440	3198.352
210.000	11.247	11.255	0.000	0.000	153.228	3133.566	153.348	3213.336
220.000	11.323	11.331	0.000	0.000	265.957	3133.566	266.157	3213.336
230.000	11.396	11.404	0.000	0.000	379.433	3133.566	379.714	3213.336
240.000	11.464	11.472	0.000	0.000	493.616	3133.566	493.979	3213.336
250.000	11.552	11.562	0.000	0.000	608.580	3133.566	609.032	3213.336
260.000	11.420	11.429	0.000	0.000	723.327	3133.566	723.876	3213.336
270.000	11.196	11.203	0.000	0.000	836.301	3133.566	836.934	3213.336
280.000	11.041	11.047	0.000	0.000	947.385	3133.566	948.081	3213.336
290.000	10.971	10.977	0.000	0.000	1057.347	3133.566	1058.098	3213.336
300.000	10.904	10.911	0.000	0.000	1166.624	3133.566	1167.435	3213.336
310.000	10.880	10.886	0.000	0.000	1275.444	3133.566	1276.318	3213.336
320.000	10.925	10.931	0.000	0.000	1384.371	3133.566	1385.303	3213.336
330.000	10.976	10.981	0.000	0.000	1493.778	3133.566	1494.769	3213.336
340.000	11.035	11.041	0.000	0.000	1603.739	3133.566	1604.788	3213.336
350.000	11.071	11.077	0.000	0.000	1714.180	3133.566	1715.288	3213.336
355.298	11.075	11.081	0.000	0.000	1772.797	3133.566	1773.937	3213.336

Istram 18.05.05.29 12/07/18 09:54:24 459

PROYECTO :

EJE: 10: Enlace de Dueños: Ramal 3

			D E S B R O C E S			*****						
			***** cubicacion segun distancias compensadas *****									

PK inicial			:	0.000								
PK final			:	351.318								

			ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	

0.000	6.598	6.694	6.454	6.545	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	6.346	6.444	6.738	6.838	64.730	65.820	65.699	66.777	65.699	66.777	66.777	
20.000	6.393	6.489	6.690	6.809	128.437	132.817	130.374	134.872	130.374	134.872	134.872	
30.000	6.438	6.522	6.605	6.718	192.606	199.149	195.438	202.366	195.438	202.366	202.366	
40.000	6.476	6.548	6.506	6.613	257.188	264.564	260.795	268.878	260.795	268.878	268.878	
50.000	6.715	6.783	6.285	6.382	323.150	328.384	327.460	333.712	327.460	333.712	333.712	
60.000	6.908	6.978	6.242	6.334	391.275	390.884	396.277	397.155	396.277	397.155	397.155	

pagina 2

pagina 1

pagina 1

pagina 2

70.000	6.997	7.056	6.252	6.332	460.810	453.217	466.458	460.350
80.000	6.954	7.015	6.327	6.403	530.576	515.973	536.821	523.887
90.000	6.966	7.035	6.342	6.420	600.187	579.175	607.078	587.864
100.000	7.530	7.587	5.853	5.913	672.672	640.009	680.192	649.390
110.000	7.427	7.508	5.913	5.991	747.459	698.700	755.670	708.770
120.000	7.553	7.642	5.594	5.684	822.360	756.100	831.419	767.009
130.000	12.127	12.172	0.713	0.715	920.714	787.561	930.436	798.929
140.000	12.753	12.778	0.000	0.000	1045.007	791.116	1055.075	802.495
150.000	13.839	13.844	0.000	0.000	1177.831	791.116	1188.051	802.495
160.000	14.012	14.019	0.000	0.000	1316.932	791.116	1327.212	802.495
170.000	13.945	13.968	0.000	0.000	1456.561	791.116	1466.993	802.495
180.000	13.732	13.767	0.000	0.000	1594.789	791.116	1605.517	802.495
190.000	11.984	11.999	0.000	0.000	1723.228	791.116	1734.212	802.495
200.000	7.816	7.828	3.806	3.824	1822.133	810.112	1833.256	821.580
210.000	1.594	1.594	10.834	10.885	1869.149	883.204	1880.332	895.015
220.000	0.743	0.743	12.643	12.720	1880.826	1000.439	1892.010	1012.888
230.000	0.746	0.746	13.731	13.805	1888.261	1132.145	1899.446	1145.351
240.000	0.740	0.740	14.951	15.054	1895.683	1275.371	1906.870	1289.463
250.000	1.404	1.494	17.078	17.284	1906.403	1435.317	1918.044	1450.952
256.677	0.790	0.795	18.872	19.163	1913.727	1555.200	1925.688	1572.496
260.000	0.592	0.616	20.184	20.890	1916.020	1619.895	1928.028	1638.844
270.000	0.664	0.669	22.450	23.128	1922.273	1830.561	1934.423	1856.340
280.000	0.659	0.668	24.844	25.677	1928.789	2060.501	1941.001	2093.698
290.000	0.750	0.750	26.256	27.242	1935.579	2304.251	1947.826	2346.412
300.000	0.737	0.739	23.784	24.344	1942.420	2534.956	1954.673	2584.612
310.000	0.704	0.706	23.505	24.191	1948.678	2742.539	1960.947	2798.116
318.177	0.597	0.619	24.600	25.212	1952.986	2910.632	1965.366	2971.646
320.000	0.591	0.615	25.272	25.786	1953.818	2949.349	1966.247	3011.486
330.000	0.710	0.711	29.032	29.064	1959.173	3186.652	1971.755	3251.811
334.717	0.686	0.688	29.509	29.526	1962.102	3310.181	1974.689	3375.466

FIRMES ENLACE DUEÑAS

Istram 18.05.05.29 12/07/18 09:52:08 459
PROYECTO :
EJE: 5: Enlace de Dueñas: Eje 1

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	4.759		0.00	0.0	AC22 bin D	2.318		0.00	0.0
	AC16 surf S	1.147		0.00	0.0	ZA	0.881		0.00	0.0
	AC16 surf S	0.126		0.00	0.0	Rellenos	1.079		0.00	0.0
10.000	Suelo Cemento	2.468		36.14	36.1	AC22 bin D	1.174		17.46	17.5
	AC16 surf S	0.574		8.60	8.6	ZA	0.819		8.50	8.5
	AC16 surf S	0.118		1.22	1.2	Rellenos	1.070		10.75	10.7
20.000	Suelo Cemento	1.686		20.77	56.9	AC22 bin D	0.782		9.78	27.2
	AC16 surf S	0.379		4.76	13.4	ZA	0.892		8.55	17.1
	AC16 surf S	0.128		1.23	2.5	Rellenos	1.080		10.75	21.5
30.000	Suelo Cemento	1.661		16.74	73.6	AC22 bin D	0.770		7.76	35.0
	AC16 surf S	0.372		3.75	17.1	ZA	0.909		9.00	26.1
	AC16 surf S	0.130		1.29	3.7	Rellenos	1.084		10.82	32.3
40.000	Suelo Cemento	1.660		16.61	90.3	AC22 bin D	0.770		7.70	42.7
	AC16 surf S	0.372		3.72	20.8	ZA	0.909		9.09	35.2
	AC16 surf S	0.130		1.30	5.0	Rellenos	1.084		10.84	43.2
50.000	Suelo Cemento	1.660		16.60	106.9	AC22 bin D	0.770		7.70	50.4
	AC16 surf S	0.373		3.72	24.6	ZA	0.909		9.09	44.2
	AC16 surf S	0.130		1.30	6.3	Rellenos	1.084		10.84	54.0
60.000	Suelo Cemento	1.661		16.60	123.5	AC22 bin D	0.770		7.70	58.1
	AC16 surf S	0.373		3.73	28.3	ZA	0.909		9.09	53.3
	AC16 surf S	0.130		1.30	7.6	Rellenos	1.084		10.84	64.8
70.000	Suelo Cemento	1.661		16.61	140.1	AC22 bin D	0.770		7.70	65.8
	AC16 surf S	0.372		3.72	32.0	ZA	0.909		9.09	62.4
	AC16 surf S	0.130		1.30	8.9	Rellenos	1.153		11.19	76.0
80.000	Suelo Cemento	1.661		16.61	156.7	AC22 bin D	0.770		7.70	73.5
	AC16 surf S	0.373		3.72	35.7	ZA	0.909		9.09	71.5
	AC16 surf S	0.130		1.30	10.2	Rellenos	1.084		11.19	87.2
90.000	Suelo Cemento	1.661		16.61	173.3	AC22 bin D	0.770		7.70	81.2
	AC16 surf S	0.372		3.72	39.5	ZA	0.909		9.09	80.6
	AC16 surf S	0.130		1.30	11.5	Rellenos	1.128		11.06	98.3
94.908	Suelo Cemento	1.661		8.15	181.4	AC22 bin D	0.770		3.78	85.0
	AC16 surf S	0.372		1.83	41.3	ZA	0.908		4.46	85.1
	AC16 surf S	0.130		0.64	12.2	Rellenos	1.362		6.11	104.4

Istram 18.05.05.29 12/07/18 09:52:08 459
PROYECTO :
EJE: 5: Enlace de Dueñas: Eje 1

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	181.4
AC22 bin D	85.0
AC16 surf S	41.3
ZA	85.1
AC16 surf S	12.2
Rellenos	104.4

Istram 18.05.05.29 12/07/18 10:13:32 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	5.592		0.00	0.0	AC22 bin D	2.628		0.00	0.0
	AC16 surf S	1.300		0.00	0.0	Rellenos	1.190		0.00	0.0
10.000	Suelo Cemento	3.030		43.11	43.1	AC22 bin D	1.401		20.15	20.1
	AC16 surf S	0.687		9.94	9.9	Rellenos	1.158		11.74	11.7
20.000	Suelo Cemento	2.169		25.99	69.1	AC22 bin D	0.980		11.90	32.0
	AC16 surf S	0.478		5.82	15.8	Rellenos	0.761		9.59	21.3
30.000	Suelo Cemento	2.149		21.59	90.7	AC22 bin D	0.969		9.75	41.8
	AC16 surf S	0.472		4.75	20.5	Rellenos	0.761		7.61	28.9
32.400	Suelo Cemento	2.149		5.16	95.8	AC22 bin D	0.969		2.33	44.1
	AC16 surf S	0.471		1.13	21.6	Rellenos	0.761		1.83	30.8
78.400	Suelo Cemento	2.148		0.00	95.8	AC22 bin D	0.969		0.00	44.1
	AC16 surf S	0.472		0.00	21.6	Rellenos	0.761		0.00	30.8
80.000	Suelo Cemento	2.147		3.44	99.3	AC22 bin D	0.971		1.55	45.7
	AC16 surf S	0.472		0.76	22.4	Rellenos	0.761		1.22	32.0
90.000	Suelo Cemento	2.150		21.49	120.8	AC22 bin D	0.971		9.71	55.4
	AC16 surf S	0.472		4.72	27.1	Rellenos	0.761		7.61	39.6
100.000	Suelo Cemento	2.536		23.43	144.2	AC22 bin D	1.160		10.66	66.0
	AC16 surf S	0.566		5.19	32.3	Rellenos	0.850		8.06	47.7
110.000	Suelo Cemento	4.238		33.87	178.1	AC22 bin D	1.984		15.72	81.8
	AC16 surf S	0.978		7.72	40.0	Rellenos	1.180		10.15	57.8
114.581	Suelo Cemento	5.675		22.71	200.8	AC22 bin D	2.673		10.67	92.4
	AC16 surf S	1.324		5.27	45.3	Rellenos	1.216		5.49	63.3

Istram 18.05.05.29 12/07/18 10:13:32 459
PROYECTO :
EJE: 6: Enlace de Dueñas: Eje 2

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	200.8
AC22 bin D	92.4
AC16 surf S	45.3
Rellenos	63.3

Istram 18.05.05.29 12/07/18 09:52:09 459
PROYECTO :
EJE: 7: Enlace de Dueñas: Eje 3

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	4.891		0.00	0.0	AC22 bin D	2.386		0.00	0.0
	AC16 surf S	1.180		0.00	0.0	ZA	0.908		0.00	0.0
	AC16 surf S	0.130		0.00	0.0	Rellenos	1.084		0.00	0.0
10.000	Suelo Cemento	2.546		37.09	37.1	AC22 bin D	1.218		17.97	18.0
	AC16 surf S	0.595		8.85	8.9	ZA	0.770		8.36	8.4
	AC16 surf S	0.119		1.25	1.2	Rellenos	1.003		10.41	10.4
20.000	Suelo Cemento	1.690		21.16	58.2	AC22 bin D	0.790		10.03	28.0
	AC16 surf S	0.382		4.88	13.7	ZA	0.817		7.93	16.3
	AC16 surf S	0.127		1.23	2.5	Rellenos	1.000		10.00	20.4
30.000	Suelo Cemento	1.650		16.70	74.9	AC22 bin D	0.770		7.80	35.8
	AC16 surf S	0.372		3.77	17.5	ZA	0.839		8.28	24.6
	AC16 surf S	0.130		1.28	3.8	Rellenos	1.001		10.00	30.4
40.000	Suelo Cemento	1.651		16.51	91.5	AC22 bin D	0.770		7.70	43.5
	AC16 surf S	0.372		3.72	21.2	ZA	0.839		8.39	33.0
	AC16 surf S	0.130		1.30	5.1	Rellenos	1.001		10.01	40.4
48.262	Suelo Cemento	1.651		13.64	105.1	AC22 bin D	0.770		6.36	49.9
	AC16 surf S	0.372		3.08	24.3	ZA	0.839		6.93	39.9
	AC16 surf S	0.130		1.07	6.1	Rellenos	1.001		8.27	48.7
50.000	Suelo Cemento	1.651		2.87	108.0	AC22 bin D	0.770		1.34	51.2
	AC16 surf S	0.372		0.65	25.0	ZA	0.839		1.46	41.3
	AC16 surf S	0.130		0.23	6.4	Rellenos	1.001		1.74	50.4
60.000	Suelo Cemento	1.651		16.51	124.5	AC22 bin D	0.770		7.70	58.9
	AC16 surf S	0.373		3.72	28.7	ZA	0.839		8.39	49.7
	AC16 surf S	0.130		1.30	7.7	Rellenos	1.046		10.23	60.7
61.000	Suelo Cemento	1.651		1.65	126.1	AC22 bin D	0.770		0.77	59.7
	AC16 surf S	0.373		0.37	29.1	ZA	0.839		0.84	50.6
	AC16 surf S	0.130		0.13	7.8	Rellenos	1.039		1.04	61.7

Istram 18.05.05.29 12/07/18 09:52:09 459
PROYECTO :
EJE: 7: Enlace de Dueñas: Eje 3

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	126.1
AC22 bin D	59.7
AC16 surf S	29.1
ZA	50.6
AC16 surf S	7.8
Rellenos	61.7

Istram 18.05.05.29 12/07/18 09:52:07 459
PROYECTO :
EJE: 3: Enlace de Dueñas: Glorieta Dch.

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento		2.133	0.00	0.0	AC22 bin D	0.995		0.00	0.0
	AC16 surf S		0.490	0.00	0.0	Rellenos	0.317		0.00	0.0
10.000	Suelo Cemento		2.148	19.05	19.1	AC22 bin D	0.995		8.75	8.7
	AC16 surf S		0.490	4.30	4.3	Rellenos	0.323		3.41	3.4
20.000	Suelo Cemento		2.162	19.21	38.3	AC22 bin D	0.995		8.75	17.5
	AC16 surf S		0.490	4.30	8.6	Rellenos	0.327		3.47	6.9
30.000	Suelo Cemento		2.175	19.35	57.6	AC22 bin D	0.994		8.74	26.2
	AC16 surf S		0.490	4.30	12.9	Rellenos	0.330		3.51	10.4
40.000	Suelo Cemento		2.179	19.44	77.1	AC22 bin D	0.995		8.74	35.0
	AC16 surf S		0.490	4.30	17.2	Rellenos	0.333		3.54	13.9
50.000	Suelo Cemento		2.182	19.48	96.6	AC22 bin D	0.994		8.74	43.7
	AC16 surf S		0.489	4.29	21.5	Rellenos	0.333		3.55	17.5
60.000	Suelo Cemento		2.177	19.47	116.0	AC22 bin D	0.994		8.74	52.5
	AC16 surf S		0.490	4.29	25.8	Rellenos	0.769		5.96	23.4
70.000	Suelo Cemento		2.167	19.39	135.4	AC22 bin D	0.995		8.74	61.2
	AC16 surf S		0.490	4.29	30.1	Rellenos	0.763		8.33	31.8
80.000	Suelo Cemento		2.155	19.28	154.7	AC22 bin D	0.994		8.74	69.9
	AC16 surf S		0.490	4.29	34.4	Rellenos	0.325		5.88	37.6
90.000	Suelo Cemento		2.140	19.13	173.8	AC22 bin D	0.995		8.74	78.7
	AC16 surf S		0.490	4.29	38.7	Rellenos	0.320		3.44	41.1
100.000	Suelo Cemento		2.124	18.96	192.8	AC22 bin D	0.994		8.74	87.4
	AC16 surf S		0.490	4.30	42.9	Rellenos	0.314		3.38	44.5
110.000	Suelo Cemento		2.110	18.80	211.6	AC22 bin D	0.994		8.74	96.2
	AC16 surf S		0.491	4.30	47.3	Rellenos	0.309		3.32	47.8
120.000	Suelo Cemento		2.098	18.66	230.2	AC22 bin D	0.995		8.74	104.9
	AC16 surf S		0.491	4.30	51.6	Rellenos	0.305		3.27	51.1
130.000	Suelo Cemento		2.090	18.56	248.8	AC22 bin D	0.995		8.74	113.7

	AC16 surf S	0.491	4.30	55.9	Rellenos	0.302	3.24	54.3
140.000	Suelo Cemento	2.085	18.49	267.3	AC22 bin D	0.995	8.75	122.4
	AC16 surf S	0.491	4.30	60.2	Rellenos	0.301	3.21	57.5
150.000	Suelo Cemento	2.087	18.48	285.8	AC22 bin D	0.995	8.75	131.2
	AC16 surf S	0.491	4.31	64.5	Rellenos	0.302	3.21	60.7
160.000	Suelo Cemento	2.094	18.52	304.3	AC22 bin D	0.995	8.75	139.9
	AC16 surf S	0.492	4.31	68.8	Rellenos	0.304	3.23	64.0
170.000	Suelo Cemento	2.106	18.62	322.9	AC22 bin D	0.995	8.75	148.6
	AC16 surf S	0.490	4.30	73.1	Rellenos	0.308	3.26	67.2
180.000	Suelo Cemento	2.119	18.76	341.7	AC22 bin D	0.995	8.75	157.4
	AC16 surf S	0.490	4.30	77.4	Rellenos	0.313	3.31	70.5

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 2
PROYECTO :
EJE: 3: Enlace de Dueñas: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
188.496	Suelo Cemento	2.133	16.06	357.7	AC22 bin D	0.995	7.43	164.8
	AC16 surf S	0.490	3.65	81.0	Rellenos	0.317	2.85	73.4

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 3
PROYECTO :
EJE: 3: Enlace de Dueñas: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	357.7
AC22 bin D	164.8
AC16 surf S	81.0
Rellenos	73.4

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 1
PROYECTO :
EJE: 4: Enlace de Dueñas: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	2.133	0.00	0.0	AC22 bin D	0.995	0.00	0.0
	AC16 surf S	0.490	0.00	0.0	Rellenos	0.317	0.00	0.0
10.000	Suelo Cemento	2.149	19.06	19.1	AC22 bin D	0.994	8.74	8.7
	AC16 surf S	0.490	4.30	4.3	Rellenos	0.323	3.41	3.4
20.000	Suelo Cemento	2.162	19.21	38.3	AC22 bin D	0.995	8.74	17.5
	AC16 surf S	0.490	4.30	8.6	Rellenos	0.327	3.47	6.9
30.000	Suelo Cemento	2.174	19.35	57.6	AC22 bin D	0.995	8.74	26.2
	AC16 surf S	0.490	4.29	12.9	Rellenos	0.767	5.92	12.8
40.000	Suelo Cemento	2.180	19.45	77.1	AC22 bin D	0.994	8.74	35.0
	AC16 surf S	0.490	4.29	17.2	Rellenos	0.332	5.94	18.7
50.000	Suelo Cemento	2.182	19.49	96.6	AC22 bin D	0.995	8.74	43.7
	AC16 surf S	0.489	4.29	21.5	Rellenos	0.333	3.55	22.3
60.000	Suelo Cemento	2.176	19.47	116.0	AC22 bin D	0.994	8.74	52.5
	AC16 surf S	0.490	4.29	25.8	Rellenos	0.332	3.55	25.8
70.000	Suelo Cemento	2.168	19.39	135.4	AC22 bin D	0.995	8.74	61.2
	AC16 surf S	0.489	4.29	30.1	Rellenos	0.329	3.52	29.4
80.000	Suelo Cemento	2.155	19.28	154.7	AC22 bin D	0.994	8.75	69.9
	AC16 surf S	0.490	4.29	34.3	Rellenos	0.324	3.48	32.9
90.000	Suelo Cemento	2.140	19.13	173.8	AC22 bin D	0.995	8.74	78.7
	AC16 surf S	0.490	4.30	38.6	Rellenos	0.320	3.44	36.3
100.000	Suelo Cemento	2.124	18.96	192.8	AC22 bin D	0.994	8.74	87.4
	AC16 surf S	0.491	4.30	42.9	Rellenos	0.314	3.38	39.7
110.000	Suelo Cemento	2.109	18.80	211.6	AC22 bin D	0.995	8.74	96.2
	AC16 surf S	0.490	4.30	47.2	Rellenos	0.309	3.32	43.0
120.000	Suelo Cemento	2.096	18.65	230.2	AC22 bin D	0.995	8.75	104.9
	AC16 surf S	0.491	4.30	51.5	Rellenos	0.305	3.27	46.3
130.000	Suelo Cemento	2.089	18.55	248.8	AC22 bin D	0.995	8.75	113.7
	AC16 surf S	0.491	4.31	55.9	Rellenos	0.302	3.24	49.5
140.000	Suelo Cemento	2.086	18.49	267.3	AC22 bin D	0.995	8.75	122.4
	AC16 surf S	0.491	4.31	60.2	Rellenos	0.301	3.21	52.7
150.000	Suelo Cemento	2.087	18.48	285.7	AC22 bin D	0.995	8.75	131.2
	AC16 surf S	0.491	4.31	64.5	Rellenos	0.302	3.21	55.9
160.000	Suelo Cemento	2.095	18.52	304.3	AC22 bin D	0.995	8.75	139.9
	AC16 surf S	0.491	4.31	68.8	Rellenos	0.305	3.23	59.2
170.000	Suelo Cemento	2.106	18.63	322.9	AC22 bin D	0.994	8.74	148.7
	AC16 surf S	0.491	4.30	73.1	Rellenos	0.308	3.26	62.4
180.000	Suelo Cemento	2.120	18.76	341.7	AC22 bin D	0.995	8.74	157.4
	AC16 surf S	0.490	4.30	77.4	Rellenos	0.313	3.31	65.7

Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 2
PROYECTO :
EJE: 4: Enlace de Dueñas: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
188.496	Suelo Cemento	2.131	16.06	357.7	AC22 bin D	0.995	7.43	164.8

AC16 surf S 0.490 3.65 81.0 Rellenos 0.317 2.86 68.6
Istram 18.05.05.29 12/07/18 09:52:08 459 pagina 3
PROYECTO :
EJE: 4: Enlace de Dueñas: Glorieta Izq.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	357.7
AC22 bin D	164.8
AC16 surf S	81.0
Rellenos	68.6

Istram 18.05.05.29 12/07/18 09:52:09 459 pagina 1
PROYECTO :
EJE: 8: Enlace de Due□s: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.237	0.00	0.0	AC22 bin D	0.519	0.00	0.0
	AC16 surf S	0.246	0.00	0.0	ZA	0.770	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	0.969	0.00	0.0
10.000	Suelo Cemento	1.237	12.36	12.4	AC22 bin D	0.519	5.19	5.2
	AC16 surf S	0.246	2.46	2.5	ZA	0.770	7.68	7.7
	AC16 surf S	0.115	1.15	1.1	Rellenos	0.968	9.67	9.7
20.000	Suelo Cemento	1.237	12.36	24.7	AC22 bin D	0.520	5.19	10.4
	AC16 surf S	0.246	2.46	4.9	ZA	0.770	7.68	15.4
	AC16 surf S	0.115	1.15	2.3	Rellenos	0.967	9.66	19.3
30.000	Suelo Cemento	1.237	12.36	37.1	AC22 bin D	0.520	5.20	15.6
	AC16 surf S	0.246	2.46	7.4	ZA	0.769	7.68	23.0
	AC16 surf S	0.115	1.15	3.4	Rellenos	0.966	9.65	29.0
40.000	Suelo Cemento	1.237	12.36	49.5	AC22 bin D	0.520	5.20	20.8
	AC16 surf S	0.246	2.46	9.8	ZA	0.769	7.68	30.7
	AC16 surf S	0.115	1.15	4.6	Rellenos	0.963	9.63	38.6
50.000	Suelo Cemento	1.237	12.36	61.8	AC22 bin D	0.520	5.20	26.0
	AC16 surf S	0.246	2.46	12.3	ZA	0.770	7.68	38.4
	AC16 surf S	0.115	1.15	5.7	Rellenos	0.961	9.61	48.2
60.000	Suelo Cemento	1.247	12.41	74.2	AC22 bin D	0.525	5.22	31.2
	AC16 surf S	0.248	2.47	14.8	ZA	0.769	7.68	46.1
	AC16 surf S	0.115	1.15	6.9	Rellenos	0.958	9.58	57.8
70.000	Suelo Cemento	1.269	12.57	86.8	AC22 bin D	0.536	5.30	36.5
	AC16 surf S	0.254	2.51	17.3	ZA	0.770	7.68	53.8
	AC16 surf S	0.115	1.15	8.0	Rellenos	0.955	9.56	67.4
80.000	Suelo Cemento	1.291	12.80	99.6	AC22 bin D	0.547	5.41	41.9
	AC16 surf S	0.259	2.57	19.8	ZA	0.770	7.68	61.4
	AC16 surf S	0.115	1.15	9.2	Rellenos	0.951	9.52	76.9
90.000	Suelo Cemento	1.313	13.02	112.6	AC22 bin D	0.558	5.52	47.4
	AC16 surf S	0.265	2.62	22.5	ZA	0.770	7.68	69.1
	AC16 surf S	0.115	1.15	10.3	Rellenos	0.952	9.50	86.4
100.000	Suelo Cemento	1.336	13.24	125.9	AC22 bin D	0.569	5.63	53.1
	AC16 surf S	0.271	2.68	25.1	ZA	0.770	7.68	76.8
	AC16 surf S	0.115	1.15	11.5	Rellenos	0.960	9.55	95.9
110.000	Suelo Cemento	1.337	13.35	139.2	AC22 bin D	0.570	5.69	58.8
	AC16 surf S	0.271	2.71	27.9	ZA	0.770	7.68	84.5
	AC16 surf S	0.115	1.15	12.6	Rellenos	0.968	9.63	105.6

Istram 18.05.05.29 12/07/18 09:52:09 459 pagina 2
PROYECTO :
EJE: 8: Enlace de Due□s: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.337	13.36	152.6	AC22 bin D	0.570	5.70	64.5
	AC16 surf S	0.271	2.71	30.6	ZA	0.769	7.68	92.1
	AC16 surf S	0.115	1.15	13.8	Rellenos	0.970	9.68	115.2
130.000	Suelo Cemento	1.336	13.36	165.9	AC22 bin D	0.570	5.70	70.2
	AC16 surf S	0.271	2.71	33.3	ZA	0.770	7.68	99.8
	AC16 surf S	0.115	1.15	14.9	Rellenos	0.970	9.69	124.9
140.000	Suelo Cemento	1.337	13.36	179.3	AC22 bin D	0.570	5.69	75.8
	AC16 surf S	0.271	2.71	36.0	ZA	0.770	7.68	107.5
	AC16 surf S	0.115	1.15	16.1	Rellenos	0.969	9.68	134.6
150.000	Suelo Cemento	1.337	13.36	192.7	AC22 bin D	0.570	5.69	81.5
	AC16 surf S	0.271	2.71	38.7	ZA	0.770	7.68	115.2
	AC16 surf S	0.115	1.15	17.2	Rellenos	0.970	9.68	144.3
160.000	Suelo Cemento	1.337	13.36	206.0	AC22 bin D	0.570	5.70	87.2
	AC16 surf S	0.271	2.71	41.4	ZA	0.769	7.68	122.9
	AC16 surf S	0.115	1.15	18.4	Rellenos	0.970	9.68	154.0
170.000	Suelo Cemento	1.337	13.36	219.4	AC22 bin D	0.570	5.69	92.9
	AC16 surf S	0.271	2.71	44.1	ZA	0.770	7.68	130.5
	AC16 surf S	0.115	1.15	19.5	Rellenos	0.970	9.68	163.7
180.000	Suelo Cemento	1.337	13.36	232.7	AC22 bin D	0.570	5.69	98.6
	AC16 surf S	0.271	2.71	46.8	ZA	0.769	7.68	138.2
	AC16 surf S	0.115	1.15	20.7	Rellenos	0.961	9.64	173.3
190.000	Suelo Cemento	1.337	13.36	246.1	AC22 bin D	0.570	5.69	104.3
	AC16 surf S	0.271	2.71	49.5	ZA	0.769	7.68	145.9
	AC16 surf S	0.115	1.15	21.8	Rellenos	1.019	9.89	183.2
200.000	Suelo Cemento	1.337	13.36	259.5	AC22 bin D	0.569	5.69	110.0
	AC16 surf S	0.271	2.71	52.2	ZA	0.770	7.68	153.6

210.000	AC16 surf S	0.115	1.15	23.0	Rellenos	1.380	11.98	195.2
	Suelo Cemento	1.336	13.36	272.8	AC22 bin D	0.570	5.69	115.7
	AC16 surf S	0.271	2.71	54.9	ZA	0.769	7.68	161.2
220.000	AC16 surf S	0.115	1.15	24.1	Rellenos	1.380	13.79	209.0
	Suelo Cemento	1.337	13.36	286.2	AC22 bin D	0.570	5.70	121.4
	AC16 surf S	0.271	2.71	57.6	ZA	0.770	7.68	168.9
230.000	AC16 surf S	0.115	1.15	25.3	Rellenos	1.380	13.79	222.8
	Suelo Cemento	1.337	13.36	299.6	AC22 bin D	0.570	5.70	127.1
	AC16 surf S	0.271	2.71	60.4	ZA	0.770	7.68	176.6
	AC16 surf S	0.115	1.15	26.4	Rellenos	1.402	13.90	236.7

Istram 18.05.05.29 12/07/18 09:52:09 459

PROYECTO :

EJE: 8: Enlace de Dueñas: Ramal 1

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	Suelo Cemento	1.337	13.36	312.9	AC22 bin D	0.570	5.69	132.8		
	AC16 surf S	0.271							7.68	184.3
	AC16 surf S	0.115								
250.000	Suelo Cemento	1.337	13.36	326.3	AC22 bin D	0.570	5.70	138.5		
	AC16 surf S	0.271							7.68	192.0
	AC16 surf S	0.115								
260.000	Suelo Cemento	1.337	13.36	339.6	AC22 bin D	0.570	5.70	144.2		
	AC16 surf S	0.271							7.68	199.6
	AC16 surf S	0.115								
260.467	Suelo Cemento	1.337	0.62	340.3	AC22 bin D	0.569	0.27	144.4		
	AC16 surf S	0.271							0.36	200.0
	AC16 surf S	0.115								
270.000	Suelo Cemento	1.420	13.10	353.4	AC22 bin D	0.610	5.60	150.0		
	AC16 surf S	0.292							7.24	207.2
	AC16 surf S	0.115								
280.000	Suelo Cemento	1.506	14.48	367.8	AC22 bin D	0.654	6.25	156.3		
	AC16 surf S	0.313							7.39	214.6
	AC16 surf S	0.115								
290.000	Suelo Cemento	1.593	15.20	383.0	AC22 bin D	0.697	6.62	162.9		
	AC16 surf S	0.335							7.16	221.8
	AC16 surf S	0.115								
300.000	Suelo Cemento	1.679	15.88	398.9	AC22 bin D	0.740	6.96	169.9		
	AC16 surf S	0.356							6.91	228.7
	AC16 surf S	0.115								
310.000	Suelo Cemento	1.738	16.39	415.3	AC22 bin D	0.770	7.22	177.1		
	AC16 surf S	0.371							6.28	235.0
	AC16 surf S	0.104								
320.000	Suelo Cemento	1.858	16.99	432.3	AC22 bin D	0.830	7.53	184.6		
	AC16 surf S	0.401							5.26	240.2
	AC16 surf S	0.089								
321.967	Suelo Cemento	1.884	3.44	435.7	AC22 bin D	0.843	1.53	186.1		
	AC16 surf S	0.408							0.91	241.1
	AC16 surf S	0.086								
330.000	Suelo Cemento	1.977	14.42	450.2	AC22 bin D	0.891	6.44	192.6		
	AC16 surf S	0.431							3.37	244.5
	AC16 surf S	0.075								

Istram 18.05.05.29 12/07/18 09:52:09 459

PROYECTO :

EJE: 8: Enlace de Dueñas: Ramal 1

pagina 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
340.000	Suelo Cemento	2.072		18.71	468.9	AC22 bin D	0.937		8.40	201.0
	AC16 surf S	0.455		4.07	95.8	ZA	0.399		3.49	248.0
	AC16 surf S	0.062		0.55	37.2	Rellenos	1.350		12.86	381.1
340.222	Suelo Cemento	2.074		0.42	469.3	AC22 bin D	0.938		0.19	201.2
	AC16 surf S	0.455		0.09	95.9	ZA	0.397		0.07	248.1
	AC16 surf S	0.062		0.01	37.2	Rellenos	1.350		0.28	381.4

Istram 18.05.05.29 12/07/18 09:52:09 459

PROYECTO :

EJE: 8: Enlace de Dueñas: Ramal 1

pagina 5

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	469.3
AC22 bin D	201.2
AC16 surf S	95.9
ZA	248.1
AC16 surf S	37.2
Rellenos	381.4

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 9: Enlace de Dueñas: Ramal 2

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.183	Suelo Cemento	1.833		0.00	0.0	AC22 bin D	0.838		0.00	0.0
	AC16 surf S	0.405		0.00	0.0	ZA	0.467		0.00	0.0
	AC16 surf S	0.065		0.00	0.0	Rellenos	0.975		0.00	0.0
20.000	Suelo Cemento	1.795		4.83	4.8	AC22 bin D	0.817		2.20	2.2
	AC16 surf S	0.395		1.06	1.1	ZA	0.499		1.15	1.1
	AC16 surf S	0.069		0.16	0.2	Rellenos	0.978		2.51	2.5
30.000	Suelo Cemento	1.690		16.56	21.4	AC22 bin D	0.757		7.46	9.7
	AC16 surf S	0.365		3.60	4.7	ZA	0.604		4.69	5.8
	AC16 surf S	0.086		0.66	0.8	Rellenos	0.980		8.97	11.5
40.000	Suelo Cemento	1.631		15.87	37.3	AC22 bin D	0.720		7.04	16.7
	AC16 surf S	0.346		3.39	8.1	ZA	0.697		5.57	11.4
	AC16 surf S	0.103		0.82	1.6	Rellenos	0.971		8.99	20.5
50.000	Suelo Cemento	1.603		15.56	52.8	AC22 bin D	0.702		6.82	23.5
	AC16 surf S	0.338		3.28	11.3	ZA	0.770		6.38	17.8
	AC16 surf S	0.115		0.95	2.6	Rellenos	0.969		9.01	29.5
60.000	Suelo Cemento	1.559		15.33	68.2	AC22 bin D	0.680		6.68	30.2
	AC16 surf S	0.327		3.21	14.5	ZA	0.769		6.86	24.6
	AC16 surf S	0.115		1.03	3.6	Rellenos	0.970		9.12	38.6
70.000	Suelo Cemento	1.514		15.00	83.2	AC22 bin D	0.659		6.52	36.7
	AC16 surf S	0.315		3.13	17.7	ZA	0.770		7.03	31.7
	AC16 surf S	0.115		1.06	4.7	Rellenos	0.970		9.24	47.8
80.000	Suelo Cemento	1.470		14.66	97.8	AC22 bin D	0.637		6.35	43.1
	AC16 surf S	0.304		3.04	20.7	ZA	0.769		7.19	38.9
	AC16 surf S	0.115		1.08	5.8	Rellenos	0.970		9.35	57.2
90.000	Suelo Cemento	1.426		14.31	112.1	AC22 bin D	0.615		6.17	49.3
	AC16 surf S	0.293		2.95	23.7	ZA	0.769		7.34	46.2
	AC16 surf S	0.115		1.10	6.9	Rellenos	0.970		9.45	66.6
100.000	Suelo Cemento	1.382		13.94	126.1	AC22 bin D	0.592		5.99	55.2
	AC16 surf S	0.282		2.85	26.5	ZA	0.769		7.48	53.7
	AC16 surf S	0.115		1.12	8.0	Rellenos	0.969		9.55	76.2
110.000	Suelo Cemento	1.337		13.56	139.6	AC22 bin D	0.570		5.80	61.0
	AC16 surf S	0.271		2.76	29.3	ZA	0.769		7.61	61.3
	AC16 surf S	0.115		1.14	9.1	Rellenos	0.970		9.64	85.8
120.000	Suelo Cemento	1.337		13.36	153.0	AC22 bin D	0.569		5.69	66.7
	AC16 surf S	0.271		2.71	32.0	ZA	0.770		7.68	69.0
	AC16 surf S	0.115		1.15	10.3	Rellenos	0.970		9.69	95.5

Istram 18.05.05.29 12/07/18 09:52:10 459

PROYECTO :

EJE: 9: Enlace de Dueñas: Ramal 2

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
130.000	Suelo Cemento	1.336		13.36	166.4	AC22 bin D	0.570		5.69	72.4
	AC16 surf S	0.271		2.71	34.7	ZA	0.769		7.68	76.6
	AC16 surf S	0.115		1.15	11.4	Rellenos	0.970		9.68	105.2
140.000	Suelo Cemento	1.337		13.36	179.7	AC22 bin D	0.569		5.69	78.1
	AC16 surf S	0.271		2.71	37.4	ZA	0.770		7.68	84.3
	AC16 surf S	0.115		1.15	12.6	Rellenos	0.970		9.68	114.9
150.000	Suelo Cemento	1.337		13.36	193.1	AC22 bin D	0.569		5.69	83.8
	AC16 surf S	0.271		2.71	40.1	ZA	0.770		7.68	92.0
	AC16 surf S	0.115		1.15	13.7	Rellenos	0.970		9.68	124.6
160.000	Suelo Cemento	1.337		13.37	206.4	AC22 bin D	0.569		5.69	89.5
	AC16 surf S	0.271		2.71	42.8	ZA	0.770		7.68	99.7
	AC16 surf S	0.115		1.15	14.9	Rellenos	0.970		9.68	134.3
170.000	Suelo Cemento	1.337		13.36	219.8	AC22 bin D	0.570		5.69	95.2
	AC16 surf S	0.271		2.71	45.5	ZA	0.770		7.68	107.4
	AC16 surf S	0.115		1.15	16.0	Rellenos	0.970		9.68	143.9
180.000	Suelo Cemento	1.337		13.36	233.2	AC22 bin D	0.570		5.70	100.9
	AC16 surf S	0.271		2.71	48.2	ZA	0.769		7.68	115.0
	AC16 surf S	0.115		1.15	17.2	Rellenos	0.970		9.68	153.6
190.000	Suelo Cemento	1.337		13.36	246.5	AC22 bin D	0.569		5.69	106.6
	AC16 surf S	0.271		2.71	51.0	ZA	0.770		7.68	122.7
	AC16 surf S	0.115		1.15	18.3	Rellenos	0.958		9.63	163.3
200.000	Suelo Cemento	1.337		13.36	259.9	AC22 bin D	0.570		5.69	112.3
	AC16 surf S	0.271		2.71	53.7	ZA	0.769		7.68	130.4
	AC16 surf S	0.115		1.15	19.5	Rellenos	0.924		9.40	172.6
210.000	Suelo Cemento	1.337		13.36	273.3	AC22 bin D	0.570		5.70	118.0
	AC16 surf S	0.271		2.71	56.4	ZA	0.769		7.68	138.1
	AC16 surf S	0.115		1.15	20.6	Rellenos	0.997		9.59	182.2
220.000	Suelo Cemento	1.337		13.36	286.6	AC22 bin D	0.570		5.69	123.7
	AC16 surf S	0.271		2.71	59.1	ZA	0.769		7.68	145.7
	AC16 surf S	0.115		1.15	21.8	Rellenos	1.016	10.05		192.3
230.000	Suelo Cemento	1.337		13.36	300.0	AC22 bin D	0.570		5.69	129.4
	AC16 surf S	0.271		2.71	61.8	ZA	0.769		7.68	153.4
	AC16 surf S	0.115		1.15	22.9	Rellenos	1.035	10.24		202.5
240.000	Suelo Cemento	1.337		13.36	313.3	AC22 bin D	0.570		5.69	135.1
	AC16 surf S	0.271		2.71	64.5	ZA	0.770		7.68	161.1
	AC16 surf S	0.115		1.15	24.1	Rellenos	1.053	10.43		213.0

	AC16 surf S	0.115	1.15	25.2	Rellenos	1.077	10.64	223.6
260.000	Suelo Cemento	1.324	13.30	340.0	AC22 bin D	0.564	5.66	146.4
	AC16 surf S	0.268	2.69	69.9	ZA	0.769	7.68	176.4
	AC16 surf S	0.115	1.15	26.4	Rellenos	1.070	10.73	234.3
270.000	Suelo Cemento	1.302	13.12	353.1	AC22 bin D	0.553	5.58	152.0
	AC16 surf S	0.263	2.65	72.5	ZA	0.769	7.68	184.1
	AC16 surf S	0.115	1.15	27.5	Rellenos	1.044	10.56	244.9
280.000	Suelo Cemento	1.280	12.90	366.0	AC22 bin D	0.541	5.47	157.5
	AC16 surf S	0.257	2.60	75.1	ZA	0.769	7.68	191.8
	AC16 surf S	0.115	1.15	28.7	Rellenos	1.030	10.36	255.3
290.000	Suelo Cemento	1.258	12.68	378.7	AC22 bin D	0.530	5.36	162.8
	AC16 surf S	0.251	2.54	77.7	ZA	0.769	7.68	199.5
	AC16 surf S	0.115	1.15	29.8	Rellenos	1.038	10.33	265.6
300.000	Suelo Cemento	1.237	12.47	391.2	AC22 bin D	0.520	5.25	168.1
	AC16 surf S	0.246	2.49	80.2	ZA	0.770	7.68	207.2
	AC16 surf S	0.115	1.15	31.0	Rellenos	1.042	10.39	276.0
310.000	Suelo Cemento	1.237	12.36	403.5	AC22 bin D	0.520	5.20	173.3
	AC16 surf S	0.246	2.46	82.6	ZA	0.770	7.68	214.8
	AC16 surf S	0.115	1.15	32.1	Rellenos	1.037	10.38	286.4
320.000	Suelo Cemento	1.237	12.36	415.9	AC22 bin D	0.519	5.20	178.5
	AC16 surf S	0.246	2.46	85.1	ZA	0.770	7.68	222.5
	AC16 surf S	0.115	1.15	33.3	Rellenos	1.053	10.44	296.8
330.000	Suelo Cemento	1.237	12.37	428.3	AC22 bin D	0.520	5.19	183.6
	AC16 surf S	0.246	2.46	87.5	ZA	0.769	7.68	230.2
	AC16 surf S	0.115	1.15	34.4	Rellenos	1.071	10.61	307.4
340.000	Suelo Cemento	1.237	12.37	440.6	AC22 bin D	0.520	5.20	188.8
	AC16 surf S	0.246	2.46	90.0	ZA	0.770	7.68	237.9
	AC16 surf S	0.115	1.15	35.6	Rellenos	1.092	10.81	318.2
350.000	Suelo Cemento	1.237	12.36	453.0	AC22 bin D	0.520	5.20	194.0
	AC16 surf S	0.246	2.46	92.5	ZA	0.769	7.68	245.6
	AC16 surf S	0.115	1.15	36.7	Rellenos	1.106	10.98	329.2
355.298	Suelo Cemento	1.237	6.55	459.6	AC22 bin D	0.519	2.75	196.8
	AC16 surf S	0.246	1.30	93.8	ZA	0.770	4.07	249.6
	AC16 surf S	0.115	0.61	37.3	Rellenos	1.107	5.86	335.1

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 4

PROYECTO :
EJE: 9: Enlace de Dueñas: Ramal 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	459.6
AC22 bin D	196.8
AC16 surf S	93.8
ZA	249.6
AC16 surf S	37.3
Rellenos	335.1

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 1

PROYECTO :
EJE: 10: Enlace de Dueñas: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
0.000	Suelo Cemento	1.237	0.00	0.0		0.520	0.00	0.0		AC22 bin D	0.520	0.00	0.0	
	AC16 surf S	0.246	0.00	0.0		0.770	0.00	0.0		ZA	0.770	0.00	0.0	
	AC16 surf S	0.115	0.00	0.0			0.00	0.0		Rellenos	1.380	0.00	0.0	
10.000	Suelo Cemento	1.237	12.36	12.4		0.520	5.20	5.2		AC22 bin D	0.520	5.20	5.2	
	AC16 surf S	0.246	2.46	2.5		0.770	7.68	7.7		ZA	0.770	7.68	7.7	
	AC16 surf S	0.115	1.15	1.1		1.380	13.79	13.8		Rellenos	1.380	13.79	13.8	
20.000	Suelo Cemento	1.237	12.36	24.7		0.520	5.20	10.4		AC22 bin D	0.520	5.20	10.4	
	AC16 surf S	0.246	2.46	4.9		0.770	7.68	15.4		ZA	0.770	7.68	15.4	
	AC16 surf S	0.115	1.15	2.3		1.380	13.79	27.6		Rellenos	1.380	13.79	27.6	
30.000	Suelo Cemento	1.237	12.36	37.1		0.520	5.20	15.6		AC22 bin D	0.520	5.20	15.6	
	AC16 surf S	0.246	2.46	7.4		0.770	7.68	23.0		ZA	0.770	7.68	23.0	
	AC16 surf S	0.115	1.15	3.4		1.380	13.79	41.4		Rellenos	1.380	13.79	41.4	
40.000	Suelo Cemento	1.237	12.36	49.4		0.520	5.20	20.8		AC22 bin D	0.520	5.20	20.8	
	AC16 surf S	0.246	2.46	9.8		0.770	7.68	30.7		ZA	0.770	7.68	30.7	
	AC16 surf S	0.115	1.15	4.6		1.380	13.79	55.2		Rellenos	1.380	13.79	55.2	
50.000	Suelo Cemento	1.237	12.36	61.8		0.520	5.20	26.0		AC22 bin D	0.520	5.20	26.0	
	AC16 surf S	0.246	2.46	12.3		0.769	7.68	38.4		ZA	0.769	7.68	38.4	
	AC16 surf S	0.115	1.15	5.7		1.380	13.79	69.0		Rellenos	1.380	13.79	69.0	
60.000	Suelo Cemento	1.247	12.41	74.2		0.525	5.22	31.2		AC22 bin D	0.525	5.22	31.2	
	AC16 surf S	0.249	2.47	14.8		0.769	7.68	46.1		ZA	0.769	7.68	46.1	
	AC16 surf S	0.115	1.15	6.9		1.380	13.79	82.8		Rellenos	1.380	13.79	82.8	
70.000	Suelo Cemento	1.269	12.58	86.8		0.536	5.30	36.5		AC22 bin D	0.536	5.30	36.5	
	AC16 surf S	0.254	2.51	17.3		0.769	7.68	53.8		ZA	0.769	7.68	53.8	
	AC16 surf S	0.115	1.15	8.0		1.380	13.79	96.6		Rellenos	1.380	13.79	96.6	
80.000	Suelo Cemento	1.291	12.80	99.6		0.547	5.41	41.9		AC22 bin D	0.547	5.41	41.9	
	AC16 surf S	0.260	2.57	19.8		0.770	7.68	61.4		ZA	0.770	7.68	61.4	
	AC16 surf S	0.115	1.15	9.2		1.380	13.80	110.4		Rellenos	1.380	13.80	110.4	
90.000	Suelo Cemento	1.314	13.02	112.6		0.558	5.52	47.4		AC22 bin D	0.558	5.52	47.4	
	AC16 surf S	0.265	2.62	22.5		0.770	7.68	69.1		ZA	0.770	7.68	69.1	
	AC16 surf S	0.115	1.15	10.3		1.380	13.80	124.1		Rellenos	1.380	13.80	124.1	
100.000	Suelo Cemento	1.336	13.24	125.9		0.569	5.63	53.1		AC22 bin D	0.569	5.63	53.1	
	AC16 surf S	0.271	2.68	25.2		0.770	7.68	76.8		ZA	0.770	7.68	76.8	
	AC16 surf S	0.115	1.15	11.5		1.380	13.79	137.9		Rellenos	1.380	13.79	137.9	
110.000	Suelo Cemento	1.337	13.36	139.2		0.570	5.69	58.8		AC22 bin D	0.570	5.69	58.8	
	AC16 surf S	0.271	2.71	27.9		0.769	7.68	84.5		ZA	0.769	7.68	84.5	
	AC16 surf S	0.115	1.15	12.6		1.380	13.79	151.7		Rellenos	1.380	13.79	151.7	

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 2

PROYECTO :
EJE: 10: Enlace de Dueñas: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
120.000	Suelo Cemento	1.337		13.36		152.6		AC22 bin D	0.570		5.70		64.5	
	AC16 surf S	0.271		2.71		30.6		ZA	0.769		7.68		92.1	
	AC16 surf S	0.115		1.15		13.8		Rellenos	1.380		13.79		165.5	
130.000	Suelo Cemento	1.337		13.36		165.9		AC22 bin D	0.570		5.70		70.2	
	AC16 surf S	0.271		2.71		33.3		ZA	0.769		7.68		99.8	
	AC16 surf S	0.115		1.15		14.9		Rellenos	1.380		13.79		179.3	
140.000	Suelo Cemento	1.336		13.36		179.3		AC22 bin D	0.570		5.70		75.9	
	AC16 surf S	0.271		2.71		36.0		ZA	0.770		7.68		107.5	
	AC16 surf S	0.115		1.15		16.1		Rellenos	1.452		14.15		193.5	
150.000	Suelo Cemento	1.336		13.36		192.7		AC22 bin D	0.570		5.70		81.5	
	AC16 surf S	0.271		2.71		38.7		ZA	0.769		7.68		115.2	
	AC16 surf S	0.115		1.15		17.2		Rellenos	1.785		16.17		209.6	
160.000	Suelo Cemento	1.337		13.36		206.0		AC22 bin D	0.570		5.70		87.2	
	AC16 surf S	0.271		2.71		41.4		ZA	0.769		7.68		122.9	
	AC16 surf S	0.115		1.15		18.4		Rellenos	1.784		17.83		227.5	
170.000	Suelo Cemento	1.337		13.36		219.4		AC22 bin D	0.569		5.69		92.9	
	AC16 surf S	0.271		2.71		44.1		ZA	0.770		7.68		130.5	
	AC16 surf S	0.115		1.15		19.5		Rellenos	1.784		17.82		245.3	
180.000	Suelo Cemento	1.337		13.36		232.7		AC22 bin D	0.570		5.69		98.6	
	AC16 surf S	0.271		2.71		46.8		ZA	0.769		7.68		138.2	
	AC16 surf S	0.115		1.15		20.7		Rellenos	1.784		17.82		263.1	
190.000	Suelo Cemento	1.336		13.36		246.1		AC22 bin D	0.570		5.70		104.3	
	AC16 surf S	0.271		2.71		49.5		ZA	0.770		7.68		145.9	
	AC16 surf S	0.115		1.15		21.8		Rellenos	1.188		14.85		278.0	
200.000	Suelo Cemento	1.336		13.36		259.5		AC22 bin D	0.570		5.70		110.0	
	AC16 surf S	0.271		2.71		52.2		ZA	0.769		7.68		153.6	
	AC16 surf S	0.115		1.15		23.0		Rellenos	0.969		10.77		288.7	
210.000	Suelo Cemento	1.337		13.36		272.8		AC22 bin D	0.570		5.70		115.7	
	AC16 surf S	0.271		2.71		54.9		ZA	0.770		7.68		161.2	
	AC16 surf S	0.115		1.15		24.1		Rellenos	0.970		9.68		298.4	
220.000	Suelo Cemento	1.336		13.36		286.2		AC22 bin D	0.570		5.70		121.4	
	AC16 surf S	0.271		2.71		57.7		ZA	0.769		7.68		168.9	
	AC16 surf S	0.115		1.15		25.3		Rellenos	0.970		9.69		308.1	
230.000	Suelo Cemento	1.337		13.36		299.5		AC22 bin D	0.570		5.70		127.1	
	AC16 surf S	0.271		2.71		60.4		ZA	0.769		7.68		176.6	
	AC16 surf S	0.115		1.15		26.4		Rellenos	0.970		9.69		317.7	

* * * CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
334.717	Suelo Cemento	1.962	8.47	458.0	AC22 bin D	0.896	3.84	196.3
	AC16 surf S	0.434	1.86	93.5	ZA	0.445	1.75	245.8
	AC16 surf S	0.064	0.25	36.8	Rellenos	0.963	4.04	414.5

Istram 18.05.05.29 12/07/18 09:52:10 459 pagina 5

PROYECTO :
EJE: 10: Enlace de Dueñas: Ramal 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	458.0
AC22 bin D	196.3
AC16 surf S	93.5
ZA	245.8
AC16 surf S	36.8
Rellenos	414.5

Istram 18.05.05.29 12/07/18 09:52:11 459 pagina 1

PROYECTO :
EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.183	Suelo Cemento	1.846	0.00	0.0	AC22 bin D	0.826	0.00	0.0
	AC16 surf S	0.399	0.00	0.0	ZA	0.425	0.00	0.0
	AC16 surf S	0.065	0.00	0.0	Rellenos	0.944	0.00	0.0
20.000	Suelo Cemento	1.807	4.88	4.9	AC22 bin D	0.804	2.17	2.2
	AC16 surf S	0.388	1.05	1.0	ZA	0.454	1.05	1.0
	AC16 surf S	0.070	0.16	0.2	Rellenos	0.944	2.46	2.5
30.000	Suelo Cemento	1.687	16.65	21.5	AC22 bin D	0.744	7.35	9.5
	AC16 surf S	0.358	3.54	4.6	ZA	0.577	4.40	5.4
	AC16 surf S	0.088	0.68	0.8	Rellenos	0.954	8.78	11.2
40.000	Suelo Cemento	1.625	15.86	37.4	AC22 bin D	0.714	6.95	16.5
	AC16 surf S	0.343	3.35	7.9	ZA	0.703	5.49	10.9
	AC16 surf S	0.106	0.84	1.7	Rellenos	0.965	8.88	20.1
50.000	Suelo Cemento	1.617	15.55	52.9	AC22 bin D	0.710	6.80	23.3
	AC16 surf S	0.341	3.27	11.2	ZA	0.769	6.32	17.3
	AC16 surf S	0.115	0.95	2.6	Rellenos	0.970	8.93	29.1
50.187	Suelo Cemento	1.618	0.29	53.2	AC22 bin D	0.709	0.13	23.4
	AC16 surf S	0.341	0.06	11.3	ZA	0.769	0.12	17.4
	AC16 surf S	0.115	0.02	2.7	Rellenos	0.970	0.17	29.2
60.000	Suelo Cemento	1.561	15.05	68.3	AC22 bin D	0.682	6.56	30.0
	AC16 surf S	0.327	3.15	14.4	ZA	0.769	6.60	24.0
	AC16 surf S	0.115	1.00	3.6	Rellenos	0.970	8.86	38.1
70.000	Suelo Cemento	1.504	14.93	83.2	AC22 bin D	0.654	6.49	36.5
	AC16 surf S	0.312	3.10	17.5	ZA	0.770	6.97	31.0
	AC16 surf S	0.115	1.05	4.7	Rellenos	0.969	9.20	47.3
80.000	Suelo Cemento	1.446	14.50	97.7	AC22 bin D	0.625	6.27	42.7
	AC16 surf S	0.299	3.00	20.5	ZA	0.769	7.20	38.2
	AC16 surf S	0.115	1.08	5.8	Rellenos	0.970	9.36	56.6
90.000	Suelo Cemento	1.389	14.04	111.7	AC22 bin D	0.596	6.04	48.8
	AC16 surf S	0.284	2.88	23.4	ZA	0.769	7.41	45.6
	AC16 surf S	0.115	1.11	6.9	Rellenos	0.970	9.50	66.1
99.187	Suelo Cemento	1.337	12.48	124.2	AC22 bin D	0.569	5.34	54.1
	AC16 surf S	0.271	2.54	25.9	ZA	0.770	6.98	52.5
	AC16 surf S	0.115	1.05	7.9	Rellenos	0.970	8.85	75.0
100.000	Suelo Cemento	1.336	1.09	125.3	AC22 bin D	0.570	0.46	54.6
	AC16 surf S	0.271	0.22	26.2	ZA	0.769	0.62	53.2
	AC16 surf S	0.115	0.09	8.0	Rellenos	0.970	0.79	75.8

Istram 18.05.05.29 12/07/18 09:52:11 459 pagina 2

PROYECTO :
EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	Suelo Cemento	1.337	13.36	138.7	AC22 bin D	0.569	5.69	60.3
	AC16 surf S	0.271	2.71	28.9	ZA	0.770	7.68	60.8
	AC16 surf S	0.115	1.15	9.2	Rellenos	0.970	9.69	85.5
120.000	Suelo Cemento	1.336	13.36	152.0	AC22 bin D	0.570	5.69	66.0
	AC16 surf S	0.271	2.71	31.6	ZA	0.770	7.68	68.5
	AC16 surf S	0.115	1.15	10.3	Rellenos	0.970	9.69	95.1
130.000	Suelo Cemento	1.337	13.36	165.4	AC22 bin D	0.570	5.70	71.6
	AC16 surf S	0.271	2.71	34.3	ZA	0.769	7.68	76.2
	AC16 surf S	0.115	1.15	11.5	Rellenos	0.970	9.68	104.8
140.000	Suelo Cemento	1.337	13.36	178.8	AC22 bin D	0.570	5.70	77.3
	AC16 surf S	0.271	2.71	37.0	ZA	0.769	7.68	83.9
	AC16 surf S	0.115	1.15	12.6	Rellenos	0.970	9.68	114.5
150.000	Suelo Cemento	1.337	13.36	192.1	AC22 bin D	0.570	5.70	83.0
	AC16 surf S	0.271	2.71	39.7	ZA	0.770	7.68	91.6
	AC16 surf S	0.115	1.15	13.8	Rellenos	0.969	9.68	124.2
160.000	Suelo Cemento	1.337	13.36	205.5	AC22 bin D	0.570	5.70	88.7
	AC16 surf S	0.271	2.70	42.4	ZA	0.770	7.68	99.2

170.000	AC16 surf S	0.115	1.15	14.9	Rellenos	0.969	9.68	133.9
	Suelo Cemento	1.337	13.36	218.8	AC22 bin D	0.569	5.69	94.4
	AC16 surf S	0.271	2.71	45.1	ZA	0.770	7.68	106.9
180.000	AC16 surf S	0.115	1.15	16.1	Rellenos	0.970	9.68	106.9
	Suelo Cemento	1.337	13.36	232.2	AC22 bin D	0.570	5.69	100.1
	AC16 surf S	0.271	2.71	47.8	ZA	0.770	7.68	114.6
190.000	AC16 surf S	0.115	1.15	17.2	Rellenos	0.993	9.80	153.4
	Suelo Cemento	1.337	13.36	245.6	AC22 bin D	0.569	5.69	105.8
	AC16 surf S	0.271	2.71	50.5	ZA	0.770	7.68	122.3
200.000	AC16 surf S	0.115	1.15	18.4	Rellenos	0.969	9.80	163.2
	Suelo Cemento	1.337	13.36	258.9	AC22 bin D	0.570	5.69	111.5
	AC16 surf S	0.271	2.71	53.2	ZA	0.770	7.68	129.9
210.000	AC16 surf S	0.115	1.15	19.5	Rellenos	0.970	9.68	172.8
	Suelo Cemento	1.337	13.36	272.3	AC22 bin D	0.570	5.69	117.2
	AC16 surf S	0.271	2.71	56.0	ZA	0.770	7.68	137.6
220.000	AC16 surf S	0.115	1.15	20.7	Rellenos	0.970	9.68	182.5
	Suelo Cemento	1.337	13.36	285.7	AC22 bin D	0.570	5.70	122.9
	AC16 surf S	0.271	2.71	58.7	ZA	0.770	7.68	145.3
	AC16 surf S	0.115	1.15	21.8	Rellenos	0.969	9.68	192.2

Istram 18.05.05.29 12/07/18 09:52:11 459 pagina 3

PROYECTO :
EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	Suelo Cemento	1.337	13.36	299.0	AC22 bin D	0.570	5.70	128.6
	AC16 surf S	0.271	2.71	61.4	ZA	0.770	7.68	153.0
	AC16 surf S	0.115	1.15	23.0	Rellenos	0.970	9.68	201.9
240.000	Suelo Cemento	1.337	13.36	312.4	AC22 bin D	0.570	5.70	134.3
	AC16 surf S	0.271	2.71	64.1	ZA	0.770	7.68	160.7
	AC16 surf S	0.115	1.15	24.1	Rellenos	0.970	9.69	211.6
250.000	Suelo Cemento	1.337	13.36	325.7	AC22 bin D	0.569	5.69	140.0
	AC16 surf S	0.271	2.71	66.8	ZA	0.770	7.68	168.3
	AC16 surf S	0.115	1.15	25.3	Rellenos	0.970	9.69	221.3
260.000	Suelo Cemento	1.321	13.29	339.0	AC22 bin D	0.562	5.65	145.6
	AC16 surf S	0.267	2.69	69.5	ZA	0.770	7.68	176.0
	AC16 surf S	0.115	1.15	26.4	Rellenos	0.970	9.68	230.9
270.000	Suelo Cemento	1.299	13.10	352.1	AC22 bin D	0.551	5.56	151.2
	AC16 surf S	0.262	2.64	72.1	ZA	0.770	7.68	183.7
	AC16 surf S	0.115	1.15	27.5	Rellenos	0.969	9.68	240.6
280.000	Suelo Cemento	1.277	12.88	365.0	AC22 bin D	0.539	5.45	156.6
	AC16 surf S	0.256	2.59	74.7	ZA	0.769	7.68	191.4
	AC16 surf S	0.115	1.15	28.7	Rellenos	0.970	9.68	250.3
290.000	Suelo Cemento	1.255	12.65	377.7	AC22 bin D	0.528	5.34	162.0
	AC16 surf S	0.251	2.53	77.2	ZA	0.770	7.68	199.0
	AC16 surf S	0.115	1.15	29.8	Rellenos	0.970	9.69	260.0
300.000	Suelo Cemento	1.237	12.45	390.1	AC22 bin D	0.520	5.24	167.2
	AC16 surf S	0.246	2.48	79.7	ZA	0.770	7.68	206.7
	AC16 surf S	0.115	1.15	31.0	Rellenos	0.969	9.68	269.7
310.000	Suelo Cemento	1.237	12.36	402.5	AC22 bin D	0.520	5.20	172.4
	AC16 surf S	0.246	2.46	82.2	ZA	0.770	7.68	214.4
	AC16 surf S	0.115	1.15	32.1	Rellenos	1.003	9.85	279.5
320.000	Suelo Cemento	1.237	12.36	414.8	AC22 bin D	0.520	5.20	177.6
	AC16 surf S	0.246	2.46	84.7	ZA	0.770	7.68	222.1
	AC16 surf S	0.115	1.15	33.3	Rellenos	0.969	9.85	289.4
330.000	Suelo Cemento	1.237	12.37	427.2	AC22 bin D	0.519	5.19	182.8
	AC16 surf S	0.246	2.46	87.1	ZA	0.770	7.68	229.8
	AC16 surf S	0.115	1.15	34.4	Rellenos	0.970	9.68	299.1
340.000	Suelo Cemento	1.237	12.37	439.6	AC22 bin D	0.520	5.19	188.0
	AC16 surf S	0.246	2.46	89.6	ZA	0.769	7.68	237.4
	AC16 surf S	0.115	1.15	35.6	Rellenos	0.970	9.69	308.7

Istram 18.05.05.29 12/07/18 09:52:11 459 pagina 4

PROYECTO :
EJE: 11: Enlace de Dueñas: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	Suelo Cemento	1.237	12.36	451.9	AC22 bin D	0.520	5.20	193.2
	AC16 surf S	0.246	2.46	92.0	ZA	0.770	7.68	245.1
	AC16 surf S	0.115	1.15	36.7	Rellenos	0.969	9.68	318.4
352.023	Suelo Cemento	1.237	2.50	454.4	AC22 bin D	0.520	1.05	194.2
	AC16 surf S	0.246	0.50	92.5	ZA	0.770	1.55	246.7
	AC16 surf S	0.115	0.23	37.0	Rellenos	0.970	1.96	320.4

Rellenos	320.4
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LISTADOS DE MEDICIÓN DEL ENLACE VALORIA

TIERRAS ENLACE VALORIA

Istram 18.05.05.29 12/07/18 13:06:59 459

pagina 1

PROYECTO :

EJE: 22: Enlace Valoria La Buena: Acceso

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	7.861	0.00	0.0	RELL PIE TERRA	0.269	0.00	0.0
	D TIERRA	8.895	0.00	0.0	SUELO EST3	6.977	0.00	0.0
	TERRAPLEN	0.033	0.00	0.0	EXCAVA SANE0	28.763	0.00	0.0
	TERRAP SANE0	28.763	0.00	0.0	VEGETAL	6.010	0.00	0.0
10.000	FIRME	4.295	59.81	59.8	RELL PIE TERRA	0.159	2.29	2.3
	D TIERRA	0.000	44.01	44.0	SUELO EST3	4.095	54.46	54.5
	TERRAPLEN	40.474	197.94	197.9	EXCAVA SANE0	25.168	264.93	264.9
	TERRAP SANE0	25.168	264.93	264.9	VEGETAL	5.301	55.54	55.5
20.000	FIRME	3.856	40.48	100.3	RELL PIE TERRA	0.155	1.54	3.8
	SUELO EST3	3.709	38.76	93.2	TERRAPLEN	34.508	367.25	565.2
	EXCAVA SANE0	22.738	235.18	500.1	TERRAP SANE0	22.738	235.18	500.1
	VEGETAL	4.801	49.60	105.1				
30.000	FIRME	3.857	38.57	138.9	RELL PIE TERRA	0.157	1.53	5.4
	SUELO EST3	3.710	37.09	130.3	TERRAPLEN	30.887	321.21	886.4
	EXCAVA SANE0	22.077	220.83	721.0	TERRAP SANE0	22.077	220.83	721.0
	VEGETAL	4.662	46.64	151.8				
40.000	FIRME	3.856	38.57	177.4	RELL PIE TERRA	0.159	1.55	6.9
	SUELO EST3	3.709	37.09	167.4	TERRAPLEN	30.100	299.66	1186.0
	EXCAVA SANE0	22.373	219.23	940.2	TERRAP SANE0	22.373	219.23	940.2
	VEGETAL	4.722	46.28	198.1				
50.000	FIRME	3.789	38.23	215.6	RELL PIE TERRA	0.160	1.60	8.5
	SUELO EST3	3.649	36.79	204.2	TERRAPLEN	25.033	273.59	1459.6
	EXCAVA SANE0	21.963	221.11	1161.3	TERRAP SANE0	21.963	221.11	1161.3
	VEGETAL	4.628	46.63	244.7				
60.000	FIRME	3.245	35.17	250.8	RELL PIE TERRA	0.158	1.63	10.2
	SUELO EST3	3.169	34.09	238.3	TERRAPLEN	19.414	225.02	1684.7
	EXCAVA SANE0	19.764	211.72	1373.0	TERRAP SANE0	19.764	211.72	1373.0
	VEGETAL	4.180	44.69	289.4				
70.000	FIRME	2.701	29.73	280.6	RELL PIE TERRA	0.169	1.68	11.8
	SUELO EST3	2.689	29.29	267.6	TERRAPLEN	4.215	120.98	1805.6
	EXCAVA SANE0	13.550	169.68	1542.7	TERRAP SANE0	13.550	169.68	1542.7
	VEGETAL	2.882	35.96	325.3				
70.941	FIRME	2.649	2.52	283.1	RELL PIE TERRA	0.170	0.16	12.0
	SUELO EST3	2.645	2.51	270.1	TERRAPLEN	3.027	3.49	1809.1
	EXCAVA SANE0	0.000	6.46	1549.1	TERRAP SANE0	0.000	6.46	1549.1
	VEGETAL	2.741	2.68	328.0				

Istram 18.05.05.29 12/07/18 13:06:59 459

pagina 2

PROYECTO :

EJE: 22: Enlace Valoria La Buena: Acceso

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
80.000	FIRME	2.157	21.77	304.8	RELL PIE TERRA	0.109	1.27	13.3
	D TIERRA	1.528	6.99	51.0	SUELO EST3	1.979	20.94	291.0
	TERRAPLEN	0.057	12.76	1821.9	VEGETAL	1.814	20.21	348.2
88.757	FIRME	1.681	16.80	321.6	RELL PIE TERRA	0.000	0.54	13.8
	D TIERRA	1.937	15.25	66.2	SUELO EST3	1.559	15.49	306.5
	TERRAPLEN	0.053	0.49	1822.4	VEGETAL	1.485	14.49	362.7

Istram 18.05.05.29 12/07/18 13:06:59 459

pagina 3

PROYECTO :

EJE: 22: Enlace Valoria La Buena: Acceso

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* * *      RESUMEN DE VOLUMENES TOTALES      * * *
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MATERIAL	VOLUMEN
FIRME	321.6
RELL PIE TERRA	13.8
D TIERRA	66.2
SUELO EST3	306.5
TERRAPLEN	1822.4
EXCAVA SANE0	1549.1
TERRAP SANE0	1549.1
VEGETAL	362.7

Istram 18.05.05.29 12/07/18 13:06:55 459

pagina 1

PROYECTO :

EJE: 16: Enlace Valoria La Buena: Eje 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	9.219	0.00	0.0	RELL PIE TERRA	0.156	0.00	0.0
	SUELO EST3	8.206	0.00	0.0	TERRAPLEN	93.604	0.00	0.0
	EXCAVA SANE0	45.579	0.00	0.0	TERRAP SANE0	45.579	0.00	0.0
	VEGETAL	9.558	0.00	0.0				
10.000	FIRME	5.110	71.64	71.6	RELL PIE TERRA	0.156	1.56	1.6
	SUELO EST3	4.704	64.55	64.5	TERRAPLEN	49.957	717.80	717.8
	EXCAVA SANE0	30.350	379.64	379.6	TERRAP SANE0	30.350	379.64	379.6
	VEGETAL	6.386	79.72	79.7				
20.000	FIRME	4.626	48.68	120.3	RELL PIE TERRA	0.161	1.59	3.1
	SUELO EST3	4.278	44.91	109.5	TERRAPLEN	36.896	434.26	1152.1

EXCAVA SANE0	25.819	280.84	660.5	TERRAP SANE0	25.819	280.84	660.5
VEGETAL	5.439	59.12	138.8				
FIRME	4.626	46.26	166.6	RELL PIE TERRA	0.157	1.59	4.7
SUELO EST3	4.278	42.78	152.2	TERRAPLEN	35.179	360.37	1512.4
EXCAVA SANE0	25.022	254.21	914.7	TERRAP SANE0	25.022	254.21	914.7
VEGETAL	5.275	53.57	192.4				
FIRME	4.625	46.25	212.8	RELL PIE TERRA	0.159	1.58	6.3
SUELO EST3	4.278	42.78	195.0	TERRAPLEN	32.003	335.91	1848.4
EXCAVA SANE0	24.433	247.28	1162.0	TERRAP SANE0	24.433	247.28	1162.0
VEGETAL	5.151	52.13	244.5				
FIRME	4.625	46.25	259.1	RELL PIE TERRA	0.159	1.59	7.9
SUELO EST3	4.278	42.78	237.8	TERRAPLEN	27.778	298.90	2147.3
EXCAVA SANE0	23.921	241.77	1403.7	TERRAP SANE0	23.921	241.77	1403.7
VEGETAL	5.045	50.98	295.5				
FIRME	4.627	46.26	305.3	RELL PIE TERRA	0.155	1.57	9.5
SUELO EST3	4.277	42.77	280.6	TERRAPLEN	19.408	235.93	2383.2
EXCAVA SANE0	21.800	228.61	1632.3	TERRAP SANE0	21.800	228.61	1632.3
VEGETAL	4.605	48.25	343.8				
FIRME	4.626	46.26	351.6	RELL PIE TERRA	0.161	1.58	11.0
SUELO EST3	4.278	42.77	323.3	TERRAPLEN	12.516	159.62	2542.8
EXCAVA SANE0	20.755	212.78	1845.1	TERRAP SANE0	20.755	212.78	1845.1
VEGETAL	4.384	44.94	388.7				
FIRME	4.626	46.26	397.9	RELL PIE TERRA	0.149	1.55	12.6
SUELO EST3	4.278	42.78	366.1	TERRAPLEN	7.676	100.96	2643.8
EXCAVA SANE0	18.796	197.75	2042.9	TERRAP SANE0	18.796	197.75	2042.9
VEGETAL	3.984	41.84	430.5				

Istram 18.05.05.29 12/07/18 13:06:55 459

pagina 2

PROYECTO :

EJE: 16: Enlace Valoria La Buena: Eje 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	4.626	46.26	444.1	RELL PIE TERRA	0.152	1.50	14.1
	SUELO EST3	4.277	42.77	408.9	TERRAPLEN	5.321	64.99	2708.8
	EXCAVA SANE0	18.313	185.54	2228.4	TERRAP SANE0	18.313	185.54	2228.4
100.000	VEGETAL	3.884	39.34	469.9				
	FIRME	4.625	46.25	490.4	RELL PIE TERRA	0.155	1.54	15.6
	SUELO EST3	4.278	42.77	451.7	TERRAPLEN	2.338	38.30	2747.1
110.000	EXCAVA SANE0	17.871	180.92	2409.3	TERRAP SANE0	17.871	180.92	2409.3
	VEGETAL	3.787	38.35	508.2				
	FIRME	4.625	46.25	536.6	RELL PIE TERRA	0.155	1.55	17.2
120.000	D TIERRA	0.916	4.58	4.6	SUELO EST3	4.256	42.67	494.3
	TERRAPLEN	0.372	13.55	2760.6	EXCAVA SANE0	14.122	159.97	2569.3
	TERRAP SANE0	14.122	159.97	2569.3	VEGETAL	3.681	37.34	545.6
130.000	FIRME	4.625	46.25	582.9	RELL PIE TERRA	0.155	1.55	18.7
	D TIERRA	2.233	15.75	20.3	SUELO EST3	4.204	42.30	536.6
	TERRAPLEN	0.072	2.22	2762.8	EXCAVA SANE0	11.342	127.32	2696.6
135.000	TERRAP SANE0	11.342	127.32	2696.6	VEGETAL	3.620	36.51	582.1
	FIRME	4.625	46.25	629.1	RELL PIE TERRA	0.154	1.54	20.3
	D TIERRA	2.687	24.60	44.9	SUELO EST3	4.166	41.85	578.5
140.000	TERRAPLEN	0.045	0.59	2763.4	EXCAVA SANE0	11.029	111.86	2808.5
	TERRAP SANE0	11.029	111.86	2808.5	VEGETAL	3.595	36.08	618.2
	FIRME	5.012	24.12	653.2	RELL PIE TERRA	0.078	0.58	20.9
145.000	D TIERRA	4.434	17.82	62.8	SUELO EST3	4.345	21.30	599.8
	TERRAPLEN	0.064	0.27	2763.7	EXCAVA SANE0	15.223	65.71	2874.2
	TERRAP SANE0	15.223	65.71	2874.2	VEGETAL	3.833	18.59	636.8

Istram 18.05.05.29 12/07/18 13:06:56 459

pagina 3

PROYECTO :

EJE: 16: Enlace Valoria La Buena: Eje 1

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
FIRME	653.2
RELL PIE TERRA	20.9
D TIERRA	62.8
SUELO EST3	599.8
TERRAPLEN	2763.7
EXCAVA SANE0	2874.2
TERRAP SANE0	2874.2
VEGETAL	636.8

Istram 18.05.05.29 12/07/18 13:06:56 459

pagina 1

PROYECTO :

EJE: 17: Enlace Valoria La Buena: Eje 2

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	9.151	0.00	0.0	RELL PIE TERRA	0.156	0.00	0.0
	SUELO EST3	8.159	0.00	0.0	TERRAPLEN	96.364	0.00	0.0
	EXCAVA SANE0	51.533	0.00	0.0	TERRAP SANE0	51.533	0.00	0.0
	VEGETAL	10.798	0.00	0.0				
10.000	FIRME	4.921	70.36	70.4	RELL PIE TERRA	0.165	1.61	1.6
	D TIERRA	1.362	6.81	6.8	SUELO EST3	4.554	63.57	63.6
	TERRAPLEN	27.886	621.25	621.2	EXCAVA SANE0	38.186	448.59	448.6
	TERRAP SANE0	38.186	448.59	448.6	VEGETAL	8.019	94.09	94.1
20.000	FIRME	4.423	46.72	117.1	RELL PIE TERRA	0.165	1.65	3.3
	D TIERRA	1.484	14.23	21.0	SUELO EST3	4.124	43.39	107.0
	TERRAPLEN	11.015	194.51	815.8	EXCAVA SANE0	34.651	364.19	812.8

30.000	TERRAP SANE0	34.651	364.19	812.8	VEGETAL	7.278	76.48	170.6
	FIRME	4.423	44.23	161.3	RELL PIE TERRA	0.288	2.26	5.5
	D TIERRA	4.906	31.95	53.0	SUELO EST3	4.122	41.23	148.2
	TERRAPLEN	7.144	90.80	906.6	EXCAVA SANE0	34.613	346.32	1159.1
40.000	TERRAP SANE0	34.613	346.32	1159.1	VEGETAL	7.262	72.70	243.3
	FIRME	4.423	44.23	205.5	RELL PIE TERRA	0.300	2.94	8.5
	D TIERRA	5.007	49.56	102.6	SUELO EST3	4.123	41.23	189.4
	TERRAPLEN	7.162	71.53	978.1	EXCAVA SANE0	30.100	323.56	1482.7
44.623	TERRAP SANE0	30.100	323.56	1482.7	VEGETAL	6.324	67.93	311.2
	FIRME	4.423	20.45	226.0	RELL PIE TERRA	0.354	1.51	10.0
	D TIERRA	4.672	22.37	124.9	SUELO EST3	4.123	19.06	208.5
	TERRAPLEN	12.740	46.00	1024.1	EXCAVA SANE0	35.979	152.74	1635.4
	TERRAP SANE0	35.979	152.74	1635.4	VEGETAL	7.547	32.06	343.3

Istram 18.05.05.29 12/07/18 13:06:56 459 pagina 2
PROYECTO :
EJE: 17: Enlace Valoria La Buena: Eje 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	226.0
RELL PIE TERRA	10.0
D TIERRA	124.9
SUELO EST3	208.5
TERRAPLEN	1024.1
EXCAVA SANE0	1635.4
TERRAP SANE0	1635.4
VEGETAL	343.3

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 1
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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0.000	FIRME	3.898	0.00	0.0	RELL PIE TERRA	0.078	0.00	0.0
	SUELO EST3	9.942	0.00	0.0	TERRAPLEN	152.880	0.00	0.0
	EXCAVA SANE0	48.418	0.00	0.0	TERRAP SANE0	48.418	0.00	0.0
	VEGETAL	10.118	0.00	0.0				
10.000	FIRME	3.921	35.33	35.3	RELL PIE TERRA	0.078	1.05	1.1
	SUELO EST3	9.948	54.96	55.0	TERRAPLEN	157.704	1066.95	1067.0
	EXCAVA SANE0	48.767	327.94	327.9	TERRAP SANE0	48.767	327.94	327.9
	VEGETAL	10.191	68.75	68.7				
20.000	FIRME	3.941	35.56	70.9	RELL PIE TERRA	0.078	1.06	2.1
	SUELO EST3	9.954	55.01	110.0	TERRAPLEN	156.172	1095.85	2162.8
	EXCAVA SANE0	49.084	332.45	660.4	TERRAP SANE0	49.084	332.45	660.4
	VEGETAL	10.257	69.69	138.4				
30.000	FIRME	3.957	35.75	106.6	RELL PIE TERRA	0.078	1.06	3.2
	SUELO EST3	9.955	55.05	165.0	TERRAPLEN	137.981	1061.00	3223.8
	EXCAVA SANE0	49.135	334.96	995.4	TERRAP SANE0	49.135	334.96	995.4
	VEGETAL	10.268	70.21	208.6				
40.000	FIRME	3.966	35.88	142.5	RELL PIE TERRA	0.083	1.04	4.2
	SUELO EST3	9.958	55.08	220.1	TERRAPLEN	59.134	666.86	3890.7
	EXCAVA SANE0	44.178	303.18	1298.5	TERRAP SANE0	44.178	303.18	1298.5
	VEGETAL	9.232	63.55	272.2				
50.000	FIRME	3.967	35.94	178.5	RELL PIE TERRA	0.076	0.93	5.2
	D TIERRA	0.014	0.08	0.1	SUELO EST3	9.954	55.07	275.2
	TERRAPLEN	43.079	232.75	4123.4	EXCAVA SANE0	39.332	242.95	1541.5
	TERRAP SANE0	39.332	242.95	1541.5	VEGETAL	8.370	51.76	324.0
60.000	FIRME	3.962	35.92	214.4	RELL PIE TERRA	0.077	0.95	6.1
	D TIERRA	0.000	0.08	0.2	SUELO EST3	9.956	55.06	330.2
	TERRAPLEN	125.333	547.18	4670.6	EXCAVA SANE0	49.220	275.65	1817.1
	TERRAP SANE0	49.220	275.65	1817.1	VEGETAL	10.286	58.62	382.6
70.000	FIRME	3.948	35.81	250.2	RELL PIE TERRA	0.078	1.06	7.2
	SUELO EST3	9.954	55.06	385.3	TERRAPLEN	154.900	1019.70	5690.3
	EXCAVA SANE0	48.952	334.63	2151.8	TERRAP SANE0	48.952	334.63	2151.8
	VEGETAL	10.229	70.15	452.7				
80.000	FIRME	3.930	35.64	285.8	RELL PIE TERRA	0.079	1.05	8.2
	SUELO EST3	9.949	55.02	440.3	TERRAPLEN	138.706	1009.76	6700.1
	EXCAVA SANE0	47.868	325.52	2477.3	TERRAP SANE0	47.868	325.52	2477.3
	VEGETAL	10.003	68.23	521.0				

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 2
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
90.000	FIRME	3.908	35.43	321.3	RELL PIE TERRA	0.079	1.04	9.3
	SUELO EST3	9.944	54.97	495.3	TERRAPLEN	129.817	881.59	7581.7
	EXCAVA SANE0	47.009	312.57	2789.9	TERRAP SANE0	47.009	312.57	2789.9
	VEGETAL	9.824	65.52	586.5				
100.000	FIRME	3.886	35.19	356.4	RELL PIE TERRA	0.079	1.02	10.3
	SUELO EST3	9.940	54.93	550.2	TERRAPLEN	119.432	799.90	8381.6
	EXCAVA SANE0	46.265	302.09	3092.0	TERRAP SANE0	46.265	302.09	3092.0
	VEGETAL	9.670	63.34	649.8				
110.000	FIRME	3.864	34.95	391.4	RELL PIE TERRA	0.079	1.00	11.3
	SUELO EST3	9.936	54.88	605.1	TERRAPLEN	107.958	720.15	9101.7
	EXCAVA SANE0	45.531	292.59	3384.5	TERRAP SANE0	45.531	292.59	3384.5
	VEGETAL	9.517	61.36	711.2				

120.000	FIRME	3.848	34.75	426.2	RELL PIE TERRA	0.078	1.00	12.3
	SUELO EST3	9.932	54.83	659.9	TERRAPLEN	121.640	752.13	9853.8
	EXCAVA SANE0	46.595	294.72	3679.3	TERRAP SANE0	46.595	294.72	3679.3
	VEGETAL	9.738	61.80	773.0				
130.000	FIRME	3.835	34.59	460.7	RELL PIE TERRA	0.078	1.01	13.3
	SUELO EST3	9.930	54.79	714.7	TERRAPLEN	100.067	767.39	10621.2
	EXCAVA SANE0	46.528	301.09	3980.4	TERRAP SANE0	46.528	301.09	3980.4
	VEGETAL	9.725	63.13	836.1				
140.000	FIRME	3.831	34.50	495.3	RELL PIE TERRA	0.081	1.00	14.3
	SUELO EST3	9.929	54.78	769.5	TERRAPLEN	65.615	555.75	11177.0
	EXCAVA SANE0	44.021	284.90	4265.3	TERRAP SANE0	44.021	284.90	4265.3
	VEGETAL	9.201	59.74	895.8				
150.000	FIRME	3.833	34.50	529.7	RELL PIE TERRA	0.078	0.99	15.3
	SUELO EST3	9.929	54.77	824.2	TERRAPLEN	83.980	493.21	11670.2
	EXCAVA SANE0	46.127	282.33	4547.6	TERRAP SANE0	46.127	282.33	4547.6
	VEGETAL	9.641	59.20	955.0				
160.000	FIRME	3.843	34.56	564.3	RELL PIE TERRA	0.079	1.02	16.3
	SUELO EST3	9.931	54.79	879.0	TERRAPLEN	118.089	710.31	12380.5
	EXCAVA SANE0	47.463	304.19	4851.8	TERRAP SANE0	47.463	304.19	4851.8
	VEGETAL	9.919	63.78	1018.8				
170.000	FIRME	3.859	34.70	599.0	RELL PIE TERRA	0.078	1.04	17.3
	SUELO EST3	9.936	54.82	933.8	TERRAPLEN	133.350	876.27	13256.8
	EXCAVA SANE0	47.737	314.68	5166.5	TERRAP SANE0	47.737	314.68	5166.5
	VEGETAL	9.977	65.97	1084.8				

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 3
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
180.000	FIRME	3.879	34.89	633.9	RELL PIE TERRA	0.078	1.04	18.4
	SUELO EST3	9.940	54.87	988.7	TERRAPLEN	145.770	956.49	14213.3
	EXCAVA SANE0	48.110	318.98	5485.4	TERRAP SANE0	48.110	318.98	5485.4
	VEGETAL	10.054	66.87	1151.7				
188.496	FIRME	3.898	29.83	663.7	RELL PIE TERRA	0.078	0.89	19.3
	SUELO EST3	9.942	46.65	1035.4	TERRAPLEN	152.880	866.88	15080.1
	EXCAVA SANE0	48.418	274.87	5760.3	TERRAP SANE0	48.418	274.87	5760.3
	VEGETAL	10.118	57.62	1209.3				

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 4
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	663.7
RELL PIE TERRA	19.3
D TIERRA	0.2
SUELO EST3	1035.4
TERRAPLEN	15080.1
EXCAVA SANE0	5760.3
TERRAP SANE0	5760.3
VEGETAL	1209.3

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 1
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
0.000	FIRME	4.192	0.00	0.0	D TIERRA	6.318	0.00	0.0
	SUELO EST3	3.348	0.00	0.0	TERRAPLEN	0.032	0.00	0.0
	EXCAVA SANE0	0.300	0.00	0.0	TERRAP SANE0	0.300	0.00	0.0
	VEGETAL	3.146	0.00	0.0				
10.000	FIRME	4.246	42.05	42.0	D TIERRA	6.694	64.72	64.7
	SUELO EST3	3.384	33.55	33.5	TERRAPLEN	0.032	0.32	0.3
	EXCAVA SANE0	0.302	3.02	3.0	TERRAP SANE0	0.302	3.02	3.0
	VEGETAL	3.220	31.71	31.7				
20.000	FIRME	4.486	43.53	85.6	D TIERRA	7.396	70.10	134.8
	SUELO EST3	3.532	34.47	68.0	TERRAPLEN	0.026	0.29	0.6
	EXCAVA SANE0	0.270	2.87	5.9	TERRAP SANE0	0.270	2.87	5.9
	VEGETAL	3.346	32.71	64.4				
30.000	FIRME	4.486	44.73	130.3	D TIERRA	7.832	75.79	210.6
	SUELO EST3	3.532	35.21	103.2	TERRAPLEN	0.017	0.21	0.8
	EXCAVA SANE0	0.216	2.44	8.3	TERRAP SANE0	0.216	2.44	8.3
	VEGETAL	3.352	33.38	97.8				
40.000	FIRME	4.487	44.73	175.0	D TIERRA	6.913	73.41	284.0
	SUELO EST3	3.532	35.21	138.4	TERRAPLEN	0.016	0.16	1.0
	EXCAVA SANE0	0.208	2.13	10.5	TERRAP SANE0	0.208	2.13	

80.000	SUELO EST3	3.540	35.25	244.1	TERRAPLEN	0.011	0.13	1.4
	EXCAVA SANE0	0.171	1.87	16.5	TERRAP SANE0	0.171	1.87	16.5
	VEGETAL	3.353	33.25	230.4				
	FIRME	4.486	44.61	353.5	D TIERRA	9.169	86.75	598.2
	SUELO EST3	3.574	35.46	279.6	TERRAPLEN	0.006	0.08	1.5
	EXCAVA SANE0	0.129	1.51	18.0	TERRAP SANE0	0.129	1.51	18.0
	VEGETAL	3.385	33.58	263.9				

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

90.000	FIRME	4.511	44.85	398.4	D TIERRA	9.298	91.96	690.1
	SUELO EST3	3.608	35.79	315.4	TERRAPLEN	0.004	0.05	1.5
	EXCAVA SANE0	0.098	1.14	19.1	TERRAP SANE0	0.098	1.14	19.1
100.000	VEGETAL	3.416	33.89	297.8				
	FIRME	4.542	45.13	443.5	D TIERRA	9.256	92.39	782.5
	SUELO EST3	3.642	36.12	351.5	TERRAPLEN	0.002	0.03	1.6
110.000	EXCAVA SANE0	0.078	0.89	20.0	TERRAP SANE0	0.078	0.89	20.0
	VEGETAL	3.443	34.18	332.0				
	FIRME	4.585	45.49	489.0	D TIERRA	9.324	92.52	875.0
120.000	SUELO EST3	3.674	36.45	387.9	TERRAPLEN	0.003	0.03	1.6
	EXCAVA SANE0	0.093	0.86	20.9	TERRAP SANE0	0.093	0.86	20.9
	VEGETAL	3.470	34.44	366.5				
130.000	FIRME	4.602	45.79	534.8	D TIERRA	9.146	91.97	967.0
	SUELO EST3	3.685	36.67	424.6	TERRAPLEN	0.006	0.05	1.7
	EXCAVA SANE0	0.127	1.11	22.0	TERRAP SANE0	0.127	1.11	22.0
140.000	VEGETAL	3.469	34.57	401.0				
	FIRME	4.607	45.90	580.7	D TIERRA	6.094	75.89	1042.9
	SUELO EST3	3.684	36.72	461.3	TERRAPLEN	0.023	0.14	1.8
150.000	EXCAVA SANE0	16.195	81.34	103.3	TERRAP SANE0	16.195	81.34	103.3
	VEGETAL	3.396	34.20	435.2				
	FIRME	4.262	44.19	624.9	D TIERRA	4.296	51.73	1094.6
160.000	SUELO EST3	3.464	35.61	496.9	TERRAPLEN	0.049	0.36	2.2
	EXCAVA SANE0	15.143	156.11	259.4	TERRAP SANE0	15.143	156.11	259.4
	VEGETAL	3.158	32.65	467.9				
170.000	FIRME	4.198	42.14	667.0	D TIERRA	4.473	43.63	1138.2
	SUELO EST3	3.524	34.80	531.7	TERRAPLEN	0.005	0.27	2.4
	EXCAVA SANE0	0.119	76.00	335.4	TERRAP SANE0	0.119	76.00	335.4
180.000	VEGETAL	3.161	31.47	499.4				
	FIRME	3.919	40.44	707.4	RELL PIE TERRA	0.078	0.39	0.4
	D TIERRA	1.332	28.86	1167.1	SUELO EST3	3.429	34.64	566.4
190.000	TERRAPLEN	0.082	0.43	2.9	EXCAVA SANE0	11.829	59.45	394.9
	TERRAP SANE0	11.829	59.45	394.9	VEGETAL	3.035	30.87	530.2
	FIRME	4.196	40.43	747.9	RELL PIE TERRA	0.080	0.79	1.2
200.000	D TIERRA	2.026	16.66	1183.8	SUELO EST3	3.637	35.21	601.6
	TERRAPLEN	0.453	2.68	5.5	EXCAVA SANE0	15.766	137.40	532.3
	TERRAP SANE0	15.766	137.40	532.3	VEGETAL	3.315	31.64	561.9

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

180.000	FIRME	3.919	40.24	788.1	RELL PIE TERRA	0.156	1.18	2.4
	D TIERRA	0.000	9.95	1193.7	SUELO EST3	3.613	35.95	637.5
	TERRAPLEN	11.885	61.22	66.8	EXCAVA SANE0	17.638	165.63	697.9
190.000	TERRAP SANE0	17.638	165.63	697.9	VEGETAL	3.738	34.97	596.8
	FIRME	3.997	38.98	827.1	RELL PIE TERRA	0.153	1.52	3.9
	SUELO EST3	3.676	35.86	673.4	TERRAPLEN	22.211	168.13	234.9
200.000	EXCAVA SANE0	20.043	185.50	883.4	TERRAP SANE0	20.043	185.50	883.4
	VEGETAL	4.243	39.29	636.1				
	FIRME	4.076	39.43	866.5	RELL PIE TERRA	0.156	1.51	5.4
210.000	SUELO EST3	3.739	36.15	709.5	TERRAPLEN	30.863	260.20	495.1
	EXCAVA SANE0	22.209	206.58	1090.0	TERRAP SANE0	22.209	206.58	1090.0
	VEGETAL	4.689	43.67	679.8				
220.000	FIRME	4.153	39.84	906.4	RELL PIE TERRA	0.156	1.52	6.9
	SUELO EST3	3.802	36.41	746.0	TERRAPLEN	41.402	351.61	846.7
	EXCAVA SANE0	24.311	225.75	1315.7	TERRAP SANE0	24.311	225.75	1315.7
230.000	VEGETAL	5.128	47.64	727.4				
	FIRME	4.231	40.21	946.6	RELL PIE TERRA	0.156	1.50	8.4
	SUELO EST3	3.863	36.64	782.6	TERRAPLEN	53.419	457.63	1304.3
240.000	EXCAVA SANE0	26.489	244.50	1560.2	TERRAP SANE0	26.489	244.50	1560.2
	VEGETAL	5.581	51.54	779.0				
	FIRME	4.231	40.39	987.0	RELL PIE TERRA	0.156	1.50	9.9
250.000	SUELO EST3	3.864	36.74	819.3	TERRAPLEN	66.491	576.24	1880.6
	EXCAVA SANE0	28.542	263.80	1824.0	TERRAP SANE0	28.542	263.80	1824.0
	VEGETAL	6.008	55.56	834.5				
260.000	FIRME	4.226	40.37	1027.3	RELL PIE TERRA	0.156	1.50	11.4
	SUELO EST3	3.862	36.74	856.1	TERRAPLEN	70.797	659.07	2539.6
	EXCAVA SANE0	29.187	276.55	2100.6	TERRAP SANE0	29.187	276.55	2100.6
270.000	VEGETAL	6.144	58.21	892.7				
	FIRME	4.186	40.14	1067.5	RELL PIE TERRA	0.156	1.49	12.9
	SUELO EST3	3.849	36.67	892.7	TERRAPLEN	75.364	697.67	3237.3
280.000	EXCAVA SANE0	29.683	280.70	2381.3	TERRAP SANE0	29.683	280.70	2381.3
	VEGETAL	6.247	59.08	951.8				
	FIRME	4.161	39.80	1107.3	RELL PIE TERRA	0.156	1.48	14.4
290.000	SUELO EST3	3.838	36.55	929.3	TERRAPLEN	81.813	747.63	3984.9
	EXCAVA SANE0	31.305	289.66	2670.9	TERRAP SANE0	31.305	289.66	2670.9

VEGETAL	6.585	60.94	1012.8
Istram 18.05.05.29 12/07/18 13:06:57 459			
PROYECTO :			
EJE: 18: Enlace Valoria La Buena: Ramal 1			

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

270.000	FIRME	4.216	39.88	1147.1	RELL PIE TERRA	0.154	1.48	15.9
	SUELO EST3	3.832	36.46	965.8	TERRAPLEN	91.721	826.94	4811.9
	EXCAVA SANE0	32.306	303.06	2974.0	TERRAP SANE0	32.306	303.06	2974.0
280.000	VEGETAL	6.795	63.74	1076.5				
	FIRME	4.121	39.67	1186.8	RELL PIE TERRA	0.156	1.49	17.3
	SUELO EST3	3.726	35.97	1001.7	TERRAPLEN	94.985	891.69	5703.6
283.412	EXCAVA SANE0	32.374	309.24	3283.2	TERRAP SANE0	32.374	309.24	3283.2
	VEGETAL	6.807	65.03	1141.5				
	FIRME	4.062	13.30	1200.1	RELL PIE TERRA	0.156	0.51	17.9
	SUELO EST3	3.682	12.05	1013.8	TERRAPLEN	95.725	311.44	6015.0
	EXCAVA SANE0	32.305	105.62	3388.9	TERRAP SANE0	32.305	105.62	3388.9
	VEGETAL	6.793	22.21	1163.8				

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

pagina 5

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
	MATERIAL			VOLUMEN				
	-----			-----				
	FIRME			1200.1				
	RELL PIE TERRA			17.9				
	D TIERRA			1193.7				
	SUELO EST3			1013.8				
	TERRAPLEN			6015.0				
	EXCAVA SANE0			3388.9				
	TERRAP SANE0			3388.9				
	VEGETAL			1163.8				

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

17.412	FIRME	3.583	0.00	0.0	RELL PIE TERRA	0.169	0.00	0.0
	SUELO EST3	3.662	0.00	0.0	TERRAPLEN	102.127	0.00	0.0
	EXCAVA SANE0	31.560	0.00	0.0	TERRAP SANE0	31.560	0.00	0.0
	VEGETAL	6.670	0.00	0.0				
20.000	FIRME	3.590	8.76	8.8	RELL PIE TERRA	0.170	0.42	0.4
	SUELO EST3	3.660	8.96	9.0	TERRAPLEN	101.145	246.97	247.0
	EXCAVA SANE0	31.388	75.63	75.6	TERRAP SANE0	31.388	75.63	75.6
	VEGETAL	6.636	16.01	16.0				
30.000	FIRME	3.776	34.70	43.5	RELL PIE TERRA	0.159	1.56	2.0
	SUELO EST3	3.825	35.29	44.2	TERRAPLEN	101.878	953.63	1200.6
	EXCAVA SANE0	32.511	297.37	373.0	TERRAP SANE0	32.511	297.37	373.0
	VEGETAL	6.855	62.86	78.9				
40.000	FIRME	3.776	35.52	79.0	RELL PIE TERRA	0.154	1.46	3.4
	SUELO EST3	3.867	36.16	80.4	TERRAPLEN	97.497	935.71	2136.3
	EXCAVA SANE0	32.328	302.56	675.6	TERRAP SANE0	32.328	302.56	675.6
	VEGETAL	6.800	63.75	142.6				
48.142	FIRME	3.725	28.78	107.8	RELL PIE TERRA	0.155	1.17	4.6
	SUELO EST3	3.860	29.57	110.0	TERRAPLEN	90.763	718.18	2854.5
	EXCAVA SANE0	31.755	243.75	919.3	TERRAP SANE0	31.755	243.75	919.3
	VEGETAL	6.679	51.27	193.9				
50.000	FIRME	3.710	6.53	114.3	RELL PIE TERRA	0.155	0.27	4.9
	SUELO EST3	3.846	6.74	116.7	TERRAPLEN	88.897	156.54	3011.0
	EXCAVA SANE0	31.558	55.08	974.4	TERRAP SANE0	31.558	55.08	974.4
	VEGETAL	6.638	11.59	205.5				
60.000	FIRME	3.667	35.13	149.4	RELL PIE TERRA	0.156	1.48	6.4
	SUELO EST3	3.783	36.20	152.9	TERRAPLEN	86.250	832.19	3843.2
	EXCAVA SANE0	31.310	298.31	1272.7	TERRAP SANE0	31.310	298.31	1272.7
	VEGETAL	6.585	62.75	268.2				
70.000	FIRME	3.619	35.13	184.5	RELL PIE TERRA	0.156	1.51	7.9
	SUELO EST3	3.718	36.05	189.0	TERRAPLEN	76.292	785.19	4628.4
	EXCAVA SANE0	29.716	294.45	1567.2	TERRAP SANE0	29.716	294.45	1567.2
	VEGETAL	6.253	61.95	330.2				
80.000	FIRME	3.546	34.92	219.5	RELL PIE TERRA	0.156	1.53	9.4
	SUELO EST3	3.644	35.80	224.8	TERRAPLEN	65.405	691.88	5320.3
	EXCAVA SANE0	27.939	281.25	1848.4	TERRAP SANE0	27.939	281.25	1848.4
	VEGETAL	5.883	59.21	389.4				

	EXCAVA SANE0	22.253	746.35	2594.8	TERRAP SANE0	22.253	746.35	2594.8
	VEGETAL	4.698	157.34	546.7				
120.000	FIRME	3.420	34.03	357.0	RELL PIE TERRA	0.158	1.57	15.6
	SUELO EST3	3.519	34.99	366.1	TERRAPLEN	24.037	281.89	7059.4
	EXCAVA SANE0	20.515	212.90	2807.7	TERRAP SANE0	20.515	212.90	2807.7
	VEGETAL	4.335	44.97	591.7				
130.000	FIRME	3.420	34.03	391.1	RELL PIE TERRA	0.159	1.58	17.2
	SUELO EST3	3.519	35.00	401.1	TERRAPLEN	16.325	201.13	7260.6
	EXCAVA SANE0	18.815	195.83	3003.5	TERRAP SANE0	18.815	195.83	3003.5
	VEGETAL	3.981	41.41	633.1				
140.000	FIRME	3.420	34.03	425.1	RELL PIE TERRA	0.153	1.55	18.8
	SUELO EST3	3.519	35.00	436.1	TERRAPLEN	12.575	144.14	7404.7
	EXCAVA SANE0	17.724	181.95	3185.5	TERRAP SANE0	17.724	181.95	3185.5
	VEGETAL	3.761	38.56	671.7				
150.000	FIRME	3.420	34.03	459.1	RELL PIE TERRA	0.154	1.53	20.3
	SUELO EST3	3.519	35.00	471.1	TERRAPLEN	8.976	107.56	7512.3
	EXCAVA SANE0	0.000	88.25	3273.7	TERRAP SANE0	0.000	88.25	3273.7
	VEGETAL	3.398	35.64	707.3				
160.000	FIRME	3.420	34.03	493.1	RELL PIE TERRA	0.154	1.53	21.8
	D TIERRA	0.103	0.51	0.5	SUELO EST3	3.487	34.84	505.9
	TERRAPLEN	6.057	75.03	7587.3	VEGETAL	3.176	32.72	740.0
170.000	FIRME	3.486	34.35	527.5	RELL PIE TERRA	0.077	1.15	23.0
	D TIERRA	0.111	1.05	1.6	SUELO EST3	3.403	34.27	540.2
	TERRAPLEN	3.270	46.49	7633.8	VEGETAL	3.043	30.95	771.0
180.000	FIRME	3.420	34.36	561.9	RELL PIE TERRA	0.152	1.14	24.1
	D TIERRA	0.112	1.11	2.7	SUELO EST3	3.470	34.19	574.4
	TERRAPLEN	1.365	23.04	7656.8	VEGETAL	3.016	30.14	801.1
190.000	FIRME	3.420	34.03	595.9	RELL PIE TERRA	0.165	1.58	25.7
	D TIERRA	0.656	3.83	6.5	SUELO EST3	3.438	34.35	608.7
	TERRAPLEN	0.132	7.42	7664.2	VEGETAL	3.077	30.29	831.4
200.000	FIRME	3.449	34.18	630.1	RELL PIE TERRA	0.080	1.21	26.9
	D TIERRA	1.866	12.55	19.1	SUELO EST3	3.236	33.18	641.9
	TERRAPLEN	0.033	0.81	7665.1	VEGETAL	2.858	29.50	860.9
210.000	FIRME	3.560	34.87	664.9	RELL PIE TERRA	0.000	0.39	27.3
	D TIERRA	2.307	20.75	39.8	SUELO EST3	3.245	32.22	674.1
	TERRAPLEN	0.062	0.47	7665.5	VEGETAL	2.922	28.74	889.6

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 3

PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
220.000	FIRME	3.515		35.20	700.1	RELL PIE TERRA	0.080		0.40	27.7
	D TIERRA	1.990		21.35	61.1	SUELO EST3	3.437		33.23	707.4
	TERRAPLEN	0.074		0.68	7666.2	VEGETAL	3.086		29.88	919.5
230.000	FIRME	3.514		34.96	735.1	RELL PIE TERRA	0.082		0.81	28.5
	D TIERRA	1.272		16.17	77.3	SUELO EST3	3.434		34.18	741.5
	TERRAPLEN	0.418		2.46	7668.7	VEGETAL	3.129		30.92	950.5
240.000	FIRME	3.529		35.03	770.1	RELL PIE TERRA	0.075		0.79	29.3
	D TIERRA	1.095		11.70	89.0	SUELO EST3	3.449		34.24	775.8
	TERRAPLEN	1.321		8.72	7677.4	VEGETAL	3.178		31.38	981.8
250.000	FIRME	3.493		34.93	805.0	RELL PIE TERRA	0.075		0.76	30.1
	D TIERRA	0.921		9.95	99.0	SUELO EST3	3.428		34.21	810.0
	TERRAPLEN	1.648		14.88	7692.3	VEGETAL	3.113		31.30	1013.1
260.000	FIRME	3.342		34.01	839.1	RELL PIE TERRA	0.154		1.14	31.2
	D TIERRA	0.403		6.54	105.5	SUELO EST3	3.435		34.14	844.1
	TERRAPLEN	1.710		16.81	7709.1	VEGETAL	3.040		30.61	1043.7
264.463	FIRME	3.346		14.85	853.9	RELL PIE TERRA	0.154		0.68	31.9
	D TIERRA	0.259		1.46	107.0	SUELO EST3	3.438		15.26	859.4
	TERRAPLEN	1.725		7.67	7716.8	VEGETAL	3.033		13.49	1057.2
270.000	FIRME	3.354		18.46	872.4	RELL PIE TERRA	0.153		0.85	32.7
	D TIERRA	0.202		1.26	108.2	SUELO EST3	3.429		18.92	878.3
	TERRAPLEN	2.286		11.10	7727.9	VEGETAL	3.027		16.70	1073.9
280.000	FIRME	3.321		33.23	905.6	RELL PIE TERRA	0.154		1.53	34.3
	D TIERRA	0.248		2.22	110.4	SUELO EST3	3.393		33.96	912.3
	TERRAPLEN	3.069		26.76	7754.6	VEGETAL	2.976		29.88	1103.8
290.000	FIRME	3.288		32.92	938.5	RELL PIE TERRA	0.153		1.53	35.8
	D TIERRA	0.278		2.60	113.0	SUELO EST3	3.352		33.60	945.9
	TERRAPLEN	3.335		31.99	7786.6	VEGETAL	2.924		29.39	1133.2
300.000	FIRME	3.262		32.65	971.2	RELL PIE TERRA	0.154		1.53	37.3
	D TIERRA	0.243		2.59	115.6	SUELO EST3	3.327		33.29	979.2
	TERRAPLEN	3.559		34.44	7821.1	VEGETAL	2.906		29.06	1162.3
310.000	FIRME	3.262		32.55	1003.7	RELL PIE TERRA	0.155		1.54	38.9
	D TIERRA	0.213		2.27	117.9	SUELO EST3	3.339		33.25	1012.4
	TERRAPLEN	4.746		41.50	7862.6	VEGETAL	2.961		29.27	1191.5
320.000	FIRME	3.262		32.57	1036.3	RELL PIE TERRA	0.154		1.54	40.4
	D TIERRA	0.232		2.21	120.1	SUELO EST3	3.337		33.32	1045.7
	TERRAPLEN	4.565		46.53	7909.1	VEGETAL	2.953		29.52	1221.1

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 4

PROYECTO :									
EJE: 19: Enlace Valoria La Buena: Ramal 2									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
329.862	FIRME	3.262	32.14	1068.4	RELL PIE TERRA	0.154	1.52	41.9	
	D TIERRA	0.339	2.81	122.9	SUELO EST3	3.325	32.81	1078.5	
	TERRAPLEN	4.181	43.11	7952.2	VEGETAL	2.940	29.02	1250.1	

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 5

EJE: 19: Enlace Valoria La Buena: Ramal 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	1068.4
RELL PIE TERRA	41.9
D TIERRA	122.9
SUELO EST3	1078.5
TERRAPLEN	7952.2
EXCAVA SANE0	3273.7
TERRAP SANE0	3273.7
VEGETAL	1250.1

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 1

PROYECTO :
EJE: 20: Enlace Valoria La Buena: Ramal 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	FIRME	4.039	0.00	0.0	RELL PIE TERRA	0.155	0.00	0.0	
	SUELO EST3	3.438	0.00	0.0	TERRAPLEN	11.405	0.00	0.0	
	VEGETAL	3.576	0.00	0.0					
10.000	FIRME	4.039	40.34	40.3	RELL PIE TERRA	0.165	1.60	1.6	
	SUELO EST3	3.438	34.35	34.3	TERRAPLEN	9.736	105.55	105.5	
	VEGETAL	3.636	36.02	36.0					
20.000	FIRME	4.039	40.34	80.7	RELL PIE TERRA	0.167	1.66	3.3	
	SUELO EST3	3.438	34.34	68.7	TERRAPLEN	8.819	92.63	198.2	
	VEGETAL	3.691	36.60	72.6					
30.000	FIRME	4.039	40.35	121.0	RELL PIE TERRA	0.155	1.61	4.9	
	SUELO EST3	3.438	34.35	103.0	TERRAPLEN	8.555	86.73	284.9	
	VEGETAL	3.721	37.02	109.6					
40.000	FIRME	4.047	40.38	161.4	RELL PIE TERRA	0.153	1.54	6.4	
	SUELO EST3	3.445	34.38	137.4	TERRAPLEN	8.744	86.36	371.3	
	VEGETAL	3.720	37.17	146.8					
50.000	FIRME	4.084	40.61	202.0	RELL PIE TERRA	0.160	1.57	8.0	
	SUELO EST3	3.478	34.58	172.0	TERRAPLEN	7.267	79.95	451.2	
	VEGETAL	3.606	36.59	183.4					
60.000	FIRME	4.057	40.66	242.7	RELL PIE TERRA	0.160	1.60	9.6	
	SUELO EST3	3.503	34.87	206.9	TERRAPLEN	5.965	66.09	517.3	
	VEGETAL	3.522	35.60	219.0					
70.000	FIRME	4.004	40.26	283.0	RELL PIE TERRA	0.161	1.61	11.2	
	SUELO EST3	3.526	35.11	242.0	TERRAPLEN	6.459	62.06	579.4	
	VEGETAL	3.492	35.03	254.0					
80.000	FIRME	3.953	39.75	322.7	RELL PIE TERRA	0.156	1.59	12.8	
	SUELO EST3	3.548	35.34	277.3	TERRAPLEN	6.823	66.34	645.7	
	VEGETAL	3.479	34.82	288.8					
90.000	FIRME	3.918	39.32	362.0	RELL PIE TERRA	0.156	1.56	14.3	
	SUELO EST3	3.552	35.47	312.8	TERRAPLEN	6.591	67.01	712.7	
	VEGETAL	3.399	34.35	323.2					
100.000	FIRME	3.919	39.15	401.2	RELL PIE TERRA	0.156	1.56	15.9	
	SUELO EST3	3.551	35.48	348.3	TERRAPLEN	7.400	69.88	782.6	
	VEGETAL	3.420	34.06	357.3					
110.000	FIRME	3.919	39.15	440.3	RELL PIE TERRA	0.157	1.56	17.5	
	D TIERRA	0.017	0.09	0.1	SUELO EST3	3.548	35.46	383.7	
	TERRAPLEN	5.256	63.19	845.8	VEGETAL	3.341	33.77	391.0	

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 2

PROYECTO :
EJE: 20: Enlace Valoria La Buena: Ramal 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
120.000	FIRME	3.919	39.15	479.5	RELL PIE TERRA	0.163	1.60	19.1	
	D TIERRA	0.231	1.24	1.3	SUELO EST3	3.536	35.39	419.1	
	TERRAPLEN	2.450	38.46	884.2	VEGETAL	3.272	33.03	424.1	
130.000	FIRME	3.919	39.15	518.6	RELL PIE TERRA	0.158	1.61	20.7	
	D TIERRA	0.556	3.94	5.3	SUELO EST3	3.486	35.08	454.2	
	TERRAPLEN	0.396	14.20	898.4	VEGETAL	3.088	31.76	455.8	
140.000	FIRME	3.976	39.43	558.0	RELL PIE TERRA	0.080	1.19	21.8	
	D TIERRA	1.409	9.82	15.1	SUELO EST3	3.368	34.23	488.4	
	TERRAPLEN	0.031	2.13	900.6	VEGETAL	2.986	30.34	486.2	
150.000	FIRME	4.323	41.46	599.5	RELL PIE TERRA	0.079	0.79	22.6	
	D TIERRA	2.461	19.35	34.4	SUELO EST3	3.597	34.79	523.2	
	TERRAPLEN	0.011	0.21	900.8	VEGETAL	3.220	31.00	517.2	
160.000	FIRME	4.308	43.11	642.6	RELL PIE TERRA	0.079	0.79	23.4	
	D TIERRA	2.732	25.97	60.4	SUELO EST3	3.605	35.97	559.2	
	TERRAPLEN	0.044	0.27	901.1	VEGETAL	3.241	32.26	549.4	
170.000	FIRME	4.275	42.77	685.4	RELL PIE TERRA	0.079	0.78	24.2	
	D TIERRA	2.452	25.97	86.4	SUELO EST3	3.606	35.90	595.1	
	TERRAPLEN	0.921	4.78	905.8	VEGETAL	3.293	32.54	582.0	
180.000	FIRME	4.272	42.47	727.9	RELL PIE TERRA	0.079	0.77	25.0	
	D TIERRA	2.184	23.26	109.6	SUELO EST3	3.610	35.79	630.9	
	TERRAPLEN	1.680	12.78	918.6	VEGETAL	3.347	32.94	614.9	
190.000	FIRME	4.316	42.56	770.4	RELL PIE TERRA	0.078	0.75	25.7	
	D TIERRA	2.092	21.50	131.1	SUELO EST3	3.623	35.74	666.6	
	TERRAPLEN	2.531	20.50	939.1	VEGETAL	3.415	33.40	648.3	
200.000	FIRME	4.360	42.88	813.3	RELL PIE TERRA	0.078	0.74	26.5	
	D TIERRA	2.851	24.89	156.0	SUELO EST3	3.635	35.72	702.3	
	TERRAPLEN	3.391	28.52	967.7	EXCAVA SANE0	16.566	81.44	81.4	
	TERRAP SANE0	16.566	81.44	81.4	VEGETAL	3.506	34.03	682.3	

210.000	FIRME	4.389	43.13	856.4	RELL PIE TERRA	0.078	0.73	27.2
	D TIERRA	2.451	26.71	182.7	SUELO EST3	3.644	35.69	738.0
	TERRAPLEN	4.453	37.34	1005.0	EXCAVA SANE0	17.033	164.42	245.9
	TERRAP SANE0	17.033	164.42	245.9	VEGETAL	3.583	34.68	717.0
220.000	FIRME	4.042	41.47	897.9	RELL PIE TERRA	0.078	0.72	27.9
	D TIERRA	1.618	20.45	203.2	SUELO EST3	3.440	34.66	772.7
	TERRAPLEN	4.592	42.80	1047.8	EXCAVA SANE0	16.598	163.91	409.8
	TERRAP SANE0	16.598	163.91	409.8	VEGETAL	3.489	34.45	751.5

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 3

PROYECTO :

EJE: 20: Enlace Valoria La Buena: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	FIRME	3.959	39.27	937.2	RELL PIE TERRA	0.165	1.16	29.1
	D TIERRA	1.128	13.73	216.9	SUELO EST3	3.516	34.00	806.7
	TERRAPLEN	4.397	42.30	1090.1	EXCAVA SANE0	7.841	117.62	527.4
	TERRAP SANE0	7.841	117.62	527.4	VEGETAL	3.599	34.41	785.9
240.000	FIRME	3.959	38.84	976.0	RELL PIE TERRA	0.187	1.72	30.8
	D TIERRA	1.793	14.62	231.5	SUELO EST3	3.621	34.92	841.6
	TERRAPLEN	4.253	40.55	1130.6	EXCAVA SANE0	8.233	75.63	603.0
	TERRAP SANE0	8.233	75.63	603.0	VEGETAL	3.779	35.78	821.7
250.000	FIRME	3.972	38.90	1014.9	RELL PIE TERRA	0.157	1.68	32.5
	D TIERRA	2.440	21.05	252.6	SUELO EST3	3.634	35.52	877.1
	TERRAPLEN	4.556	41.77	1172.4	EXCAVA SANE0	22.297	148.16	751.2
	TERRAP SANE0	22.297	148.16	751.2	VEGETAL	4.707	41.44	863.1
260.000	FIRME	4.039	39.08	1054.0	RELL PIE TERRA	0.167	1.58	34.1
	D TIERRA	2.913	26.21	278.8	SUELO EST3	3.706	35.73	912.8
	TERRAPLEN	4.998	46.36	1218.8	EXCAVA SANE0	21.792	215.80	967.0
	TERRAP SANE0	21.792	215.80	967.0	VEGETAL	4.599	45.55	908.7
270.000	FIRME	4.095	39.31	1093.3	RELL PIE TERRA	0.164	1.60	35.7
	D TIERRA	2.682	26.96	305.7	SUELO EST3	3.772	36.05	948.9
	TERRAPLEN	5.860	53.84	1272.6	EXCAVA SANE0	22.012	213.27	1180.2
	TERRAP SANE0	22.012	213.27	1180.2	VEGETAL	4.645	45.01	953.7
280.000	FIRME	4.163	39.49	1132.8	RELL PIE TERRA	0.167	1.59	37.3
	D TIERRA	2.255	23.51	329.3	SUELO EST3	3.842	36.31	985.2
	TERRAPLEN	4.942	53.39	1326.0	EXCAVA SANE0	22.173	213.22	1393.5
	TERRAP SANE0	22.173	213.22	1393.5	VEGETAL	4.678	44.99	998.7
290.000	FIRME	4.451	40.78	1173.6	RELL PIE TERRA	0.081	1.11	38.4
	D TIERRA	3.163	26.00	355.3	SUELO EST3	3.807	36.02	1021.2
	TERRAPLEN	3.634	39.15	1365.2	EXCAVA SANE0	19.623	196.07	1589.5
	TERRAP SANE0	19.623	196.07	1589.5	VEGETAL	4.118	41.25	1039.9
300.000	FIRME	4.338	41.57	1215.1	RELL PIE TERRA	0.083	0.63	39.0
	D TIERRA	3.260	31.22	386.5	SUELO EST3	3.700	35.23	1056.5
	TERRAPLEN	4.689	34.17	1399.3	EXCAVA SANE0	19.451	178.73	1768.3
	TERRAP SANE0	19.451	178.73	1768.3	VEGETAL	4.081	37.46	1077.4
308.176	FIRME	4.370	33.89	1249.0	RELL PIE TERRA	0.084	0.53	39.5
	D TIERRA	4.149	29.62	416.1	SUELO EST3	3.707	28.62	1085.1
	TERRAPLEN	2.956	25.74	1425.1	EXCAVA SANE0	19.293	145.92	1914.2
	TERRAP SANE0	19.293	145.92	1914.2	VEGETAL	4.051	30.60	1108.0

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 4

PROYECTO :

EJE: 20: Enlace Valoria La Buena: Ramal 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	1249.0
RELL PIE TERRA	39.5
D TIERRA	416.1
SUELO EST3	1085.1
TERRAPLEN	1425.1
EXCAVA SANE0	1914.2
TERRAP SANE0	1914.2
VEGETAL	1108.0

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 1

PROYECTO :

EJE: 21: Enlace Valoria La Buena: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.865	FIRME	4.492	0.00	0.0	RELL PIE TERRA	0.156	0.00	0.0
	D TIERRA	5.014	0.00	0.0	SUELO EST3	3.807	0.00	0.0
	TERRAPLEN	0.094	0.00	0.0	EXCAVA SANE0	16.963	0.00	0.0
	TERRAP SANE0	16.963	0.00	0.0	VEGETAL	3.556	0.00	0.0
20.000	FIRME	4.301	8.84	8.8	RELL PIE TERRA	0.263	0.35	0.4
	D TIERRA	5.282	10.43	10.4	SUELO EST3	3.661	7.48	7.5
	TERRAPLEN	0.383	0.42	0.4	EXCAVA SANE0	17.941	34.60	34.6
	TERRAP SANE0	17.941	34.60	34.6	VEGETAL	3.758	7.24	7.2
30.000	FIRME	4.371	40.78	49.6	RELL PIE TERRA	0.153	1.76	2.1
	D TIERRA	2.248	35.66	46.1	SUELO EST3	3.839	35.32	42.8
	TERRAPLEN	6.826	32.90	33.3	EXCAVA SANE0	22.705	187.91	222.5
	TERRAP SANE0	22.705	187.91	222.5	VEGETAL	4.796	39.53	46.8
40.000	FIRME	4.308	41.22	90.8	RELL PIE TERRA	0.152	1.44	3.6
	D TIERRA	1.369	17.32	63.4	SUELO EST3	3.799	36.40	79.2
	TERRAPLEN	8.777	71.14	104.5	EXCAVA SANE0	23.161	216.31	438.8
	TERRAP SANE0	23.161	216.31	438.8	VEGETAL	4.900	45.73	92.5
50.000	FIRME	4.139	40.70	131.6	RELL PIE TERRA	0.240	1.92	5.5

	D TIERRA	0.181	7.61	71.0	SUELO EST3	3.700	36.20	115.4
	TERRAPLEN	9.168	82.15	186.6	EXCAVA SANE0	21.457	214.01	652.8
	TERRAP SANE0	21.457	214.01	652.8	VEGETAL	4.526	45.21	137.7
60.000	FIRME	4.018	39.79	171.3	RELL PIE TERRA	0.218	2.28	7.8
	D TIERRA	0.000	0.91	71.9	SUELO EST3	3.642	35.82	151.2
	TERRAPLEN	12.218	100.58	287.2	EXCAVA SANE0	20.817	204.94	857.8
	TERRAP SANE0	20.817	204.94	857.8	VEGETAL	4.398	43.25	181.0
70.000	FIRME	3.956	39.01	210.3	RELL PIE TERRA	0.177	1.95	9.7
	SUELO EST3	3.633	35.57	186.8	TERRAPLEN	14.093	125.30	412.5
	EXCAVA SANE0	20.225	199.55	1057.3	TERRAP SANE0	20.225	199.55	1057.3
	VEGETAL	4.278	42.17	223.1				
80.000	FIRME	3.922	38.57	248.9	RELL PIE TERRA	0.174	1.72	11.4
	SUELO EST3	3.631	35.52	222.3	TERRAPLEN	13.022	129.99	542.5
	EXCAVA SANE0	19.110	191.54	1248.9	TERRAP SANE0	19.110	191.54	1248.9
	VEGETAL	4.042	40.51	263.6				
90.000	FIRME	3.952	38.57	287.5	RELL PIE TERRA	0.173	1.71	13.1
	SUELO EST3	3.640	35.56	257.9	TERRAPLEN	11.362	117.35	659.8
	EXCAVA SANE0	17.966	180.74	1429.6	TERRAP SANE0	17.966	180.74	1429.6
	VEGETAL	3.803	38.24	301.9				

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 2

PROYECTO :

EJE: 21: Enlace Valoria La Buena: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	FIRME	3.983	38.87	326.4	RELL PIE TERRA	0.158	1.62	14.8
	SUELO EST3	3.650	35.66	293.5	TERRAPLEN	9.672	101.58	761.4
	EXCAVA SANE0	16.893	170.02	1599.6	TERRAP SANE0	16.893	170.02	1599.6
	VEGETAL	3.580	36.00	337.9				
110.000	FIRME	3.993	39.08	365.4	RELL PIE TERRA	0.153	1.52	16.3
	SUELO EST3	3.654	35.72	329.3	TERRAPLEN	7.394	82.77	844.2
	EXCAVA SANE0	16.376	162.42	1762.0	TERRAP SANE0	16.376	162.42	1762.0
	VEGETAL	3.474	34.43	372.3				
120.000	FIRME	3.993	39.13	404.6	RELL PIE TERRA	0.157	1.51	17.8
	SUELO EST3	3.653	35.74	365.0	TERRAPLEN	2.624	48.78	893.0
	EXCAVA SANE0	15.477	155.65	1917.7	TERRAP SANE0	15.477	155.65	1917.7
	VEGETAL	3.287	33.04	405.4				
130.000	FIRME	3.960	39.00	443.6	RELL PIE TERRA	0.156	1.53	19.3
	D TIERRA	0.228	1.12	73.1	SUELO EST3	3.609	35.54	400.5
	TERRAPLEN	0.266	14.17	907.1	EXCAVA SANE0	7.792	114.09	2031.8
	TERRAP SANE0	7.792	114.09	2031.8	VEGETAL	3.134	31.42	436.8
140.000	FIRME	3.907	38.70	482.3	RELL PIE TERRA	0.080	1.14	20.5
	D TIERRA	1.667	9.33	82.4	SUELO EST3	3.452	34.67	435.2
	TERRAPLEN	0.000	1.32	908.4	EXCAVA SANE0	0.000	38.48	2070.3
	TERRAP SANE0	0.000	38.48	2070.3	VEGETAL	3.001	30.13	466.9
150.000	FIRME	4.205	40.09	522.4	RELL PIE TERRA	0.080	0.76	21.2
	D TIERRA	3.597	26.06	108.4	SUELO EST3	3.501	34.30	469.5
	TERRAPLEN	0.032	0.16	908.6	EXCAVA SANE0	0.302	1.54	2071.8
	TERRAP SANE0	0.302	1.54	2071.8	VEGETAL	3.130	30.26	497.2
160.000	FIRME	4.343	42.42	564.8	RELL PIE TERRA	0.081	0.78	22.0
	D TIERRA	5.413	44.79	153.2	SUELO EST3	3.539	34.89	504.4
	TERRAPLEN	0.006	0.19	908.8	EXCAVA SANE0	0.124	2.16	2074.0
	TERRAP SANE0	0.124	2.16	2074.0	VEGETAL	3.177	31.28	528.4
170.000	FIRME	4.389	43.46	608.2	RELL PIE TERRA	0.080	0.79	22.8
	D TIERRA	5.151	52.71	205.9	SUELO EST3	3.531	35.17	539.6
	TERRAPLEN	0.000	0.03	908.8	EXCAVA SANE0	0.000	0.63	2074.6
	TERRAP SANE0	0.000	0.63	2074.6	VEGETAL	3.197	31.72	560.2
180.000	FIRME	4.445	44.10	652.3	RELL PIE TERRA	0.079	0.79	23.6
	D TIERRA	5.426	52.87	258.8	SUELO EST3	3.573	35.46	575.0
	VEGETAL	3.241	32.14	592.3				

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 3

PROYECTO :

EJE: 21: Enlace Valoria La Buena: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
190.000	FIRME	4.526	44.82	697.2	RELL PIE TERRA	0.074	0.76	24.3
	D TIERRA	5.128	52.77	311.6	SUELO EST3	3.620	35.93	611.0
	TERRAPLEN	0.693	3.46	912.3	EXCAVA SANE0	4.275	21.33	2095.9
	TERRAP SANE0	4.275	21.33	2095.9	VEGETAL	3.284	32.60	624.9
200.000	FIRME	4.581	45.50	742.7	RELL PIE TERRA	0.075	0.74	25.1
	D TIERRA	5.670	53.99	365.6	SUELO EST3	3.673	36.43	647.4
	TERRAPLEN	0.611	6.51	918.8	EXCAVA SANE0	3.909	40.84	2136.7
	TERRAP SANE0	3.909	40.84	2136.7	VEGETAL	3.337	33.08	658.0
210.000	FIRME	4.581	45.77	788.4	RELL PIE TERRA	0.076	0.75	25.8
	D TIERRA	6.518	60.93	426.5	SUELO EST3	3.656	36.61	684.0
	TERRAPLEN	0.101	3.55	922.3	EXCAVA SANE0	1.869	28.82	2165.6
	TERRAP SANE0	1.869	28.82	2165.6	VEGETAL	3.325	33.28	691.3
220.000	FIRME	4.581	45.77	834.2	RELL PIE TERRA	0.077	0.76	26.6
	D TIERRA	8.127	73.20	499.7	SUELO EST3	3.628	36.39	720.4
	TERRAPLEN	0.000	0.50	922.8	EXCAVA SANE0	0.000	9.32	2174.9
	TERRAP SANE0	0.000	9.32	2174.9	VEGETAL	3.306	33.13	724.4
230.000	FIRME	4.646	46.10	880.3	RELL PIE TERRA	0.000	0.38	27.0
	D TIERRA	9.432	87.75	587.4	SUELO EST3	3.453	35.38	755.8
	TERRAPLEN	0.032	0.16	923.0	EXCAVA SANE0	0.301	1.50	2176.4
	TERRAP SANE0	0.301	1.50	2176.4	VEGETAL	3.267	32.84	757.2
240.000	FIRME	5.036	48.36	928.6	D TIERRA	11.070	102.43	689.9
	SUELO EST3	3.656	35.52	791.3	TERRAPLEN	0.000	0.16	923.2
	EXCAVA SANE0	0.000	1.50	2177.9	TERRAP SANE0	0.000	1.50	2177.9
	VEGETAL	3.557	34.09	791.3				

250.000	FIRME	5.036	50.30	979.0	D TIERRA	11.065	110.58	800.5
	SUELO EST3	3.656	36.53	827.8	VEGETAL	3.537	35.44	826.8
260.000	FIRME	5.023	50.24	1029.2	D TIERRA	11.545	112.96	913.4
	SUELO EST3	3.644	36.47	864.3	VEGETAL	3.539	35.35	862.1
270.000	FIRME	4.985	49.98	1079.2	D TIERRA	11.876	117.02	1030.4
	SUELO EST3	3.611	36.24	900.5	VEGETAL	3.518	35.26	897.4
280.000	FIRME	4.947	49.61	1128.8	D TIERRA	12.233	120.46	1150.9
	SUELO EST3	3.577	35.91	936.4	VEGETAL	3.499	35.06	932.4
290.000	FIRME	4.909	49.23	1178.0	D TIERRA	12.629	124.22	1275.1
	SUELO EST3	3.545	35.58	972.0	VEGETAL	3.492	34.93	967.4
300.000	FIRME	4.871	48.85	1226.9	D TIERRA	13.027	128.19	1403.3
	SUELO EST3	3.511	35.25	1007.3	VEGETAL	3.488	34.87	1002.2
310.000	FIRME	4.866	48.64	1275.5	D TIERRA	13.468	132.38	1535.7
	SUELO EST3	3.506	35.06	1042.3	VEGETAL	3.495	34.89	1037.1

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 4
PROYECTO :
EJE: 21: Enlace Valoria La Buena: Ramal 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
320.000	FIRME	4.866	48.61	1324.1	D TIERRA	14.329	138.88	1674.6
	SUELO EST3	3.506	35.03	1077.4	VEGETAL	3.533	35.11	1072.2
325.314	FIRME	4.866	25.83	1349.9	D TIERRA	14.771	77.26	1751.8
	SUELO EST3	3.506	18.62	1096.0	VEGETAL	3.553	18.81	1091.1

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 5
PROYECTO :
EJE: 21: Enlace Valoria La Buena: Ramal 4

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****	
MATERIAL	VOLUMEN
-----	-----
FIRME	1349.9
RELL PIE TERRA	27.0
D TIERRA	1751.8
SUELO EST3	1096.0
TERRAPLEN	923.2
EXCAVA SANE0	2177.9
TERRAP SANE0	2177.9
VEGETAL	1091.1

DESBROCE ENLACE VALORIA

Istram 18.05.05.29 12/07/18 13:08:32 459
PROYECTO :
EJE: 22: Enlace Valoria La Buena: Acceso

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****									
PK inicial		:		0.000					
PK final		:		88.757					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----		
0.000	24.152	24.163	0.000	0.000	0.000	0.000	0.000		
10.000	1.250	1.253	20.188	20.202	124.951	98.762	125.014		
20.000	1.243	1.244	18.216	18.246	137.141	287.355	137.231		
30.000	1.254	1.255	17.644	17.678	149.402	464.149	149.505		
40.000	1.273	1.274	17.854	17.875	161.831	639.290	161.944		
50.000	1.273	1.287	17.446	17.492	174.614	815.281	174.799		
60.000	1.266	1.270	15.702	15.902	187.636	983.334	187.907		
70.000	1.355	1.370	10.406	10.471	201.071	1116.159	201.442		
70.941	1.360	1.376	9.838	9.891	202.376	1125.780	202.762		
80.000	7.255	7.270	0.000	0.000	241.139	1168.939	241.626		
88.757	5.939	5.964	0.000	0.000	299.093	1168.939	299.739		

Istram 18.05.05.29 12/07/18 13:08:31 459
PROYECTO :
EJE: 16: Enlace Valoria La Buena: Eje 1

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****									
PK inicial		:		0.000					
PK final		:		135.006					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----		
0.000	1.246	1.246	37.240	38.047	0.000	0.000	0.000		
10.000	1.251	1.251	24.540	24.910	12.482	308.896	12.482		
20.000	1.286	1.288	20.708	20.765	25.166	535.133	25.177		
30.000	1.258	1.258	20.088	20.118	37.888	739.111	37.911		
40.000	1.268	1.269	19.577	19.613	50.521	937.436	50.547		
50.000	1.270	1.271	19.151	19.232	63.214	1131.076	63.248		
60.000	1.227	1.228	17.440	17.577	75.700	1314.030	75.742		
70.000	1.287	1.289	16.486	16.579	88.271	1483.658	88.325		
80.000	1.174	1.187	15.019	15.179	100.578	1641.181	100.703		
90.000	1.203	1.209	14.592	14.669	112.464	1789.235	112.679		
100.000	1.243	1.243	14.155	14.219	124.692	1932.971	124.937		
110.000	7.674	7.693	7.305	7.380	169.278	2040.272	169.616		
120.000	10.881	10.944	3.857	3.906	262.055	2096.084	262.798		
130.000	11.630	11.712	3.009	3.043	374.610	2130.413	376.079		
135.006	13.182	13.219	2.327	2.349	436.714	2143.768	438.482		

Istram 18.05.05.29 12/07/18 13:08:31 459
PROYECTO :
EJE: 17: Enlace Valoria La Buena: Eje 2

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****									
PK inicial		:		0.000					
PK final		:		44.623					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----		
0.000	1.252	1.252	42.190	45.285	0.000	0.000	0.000		
10.000	11.546	11.664	20.287	23.109	63.988	312.383	64.579		
20.000	11.716	11.810	17.625	20.533	180.298	501.945	181.952		
30.000	14.428	14.904	14.824	17.480	311.018	664.189	315.525		
40.000	14.426	14.847	11.077	13.009	455.289	793.690	464.279		
44.623	14.995	15.865	15.396	17.936	523.296	854.882	535.268		

Istram 18.05.05.29 12/07/18 13:08:31 459
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****									
PK inicial		:		0.000					
PK final		:		188.496					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN			
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----		
0.000	0.625	0.625	39.971	40.734	0.000	0.000	0.000		
10.000	0.625	0.625	40.264	41.022	8.423	268.240	8.423		
20.000	0.624	0.624	40.531	41.227	16.893	540.233	16.893		

30.000	0.625	0.625	40.570	41.070	25.398	814.287	25.398	821.330
40.000	0.668	0.671	36.373	36.476	33.741	1061.697	33.761	1070.433
50.000	0.611	0.612	32.999	33.059	41.216	1262.692	41.262	1271.969
60.000	0.619	0.619	40.652	41.258	48.832	1491.150	48.884	1502.604
70.000	0.625	0.625	40.417	41.243	57.296	1764.992	57.349	1779.953
80.000	0.632	0.632	39.501	40.236	65.731	2031.150	65.784	2048.532
90.000	0.630	0.630	38.789	39.506	74.032	2286.564	74.087	2305.665
100.000	0.629	0.629	38.171	38.861	82.173	2533.367	82.229	2554.047
110.000	0.628	0.628	37.561	38.119	90.174	2772.355	90.230	2794.510
120.000	0.624	0.624	38.454	39.012	98.172	3013.150	98.228	3036.954
130.000	0.625	0.625	38.397	38.705	106.234	3259.238	106.290	3284.854
140.000	0.645	0.646	36.275	36.333	114.198	3491.761	114.260	3518.396
150.000	0.626	0.626	38.063	38.290	122.134	3722.150	122.201	3749.791
160.000	0.635	0.635	39.160	39.636	130.310	3970.675	130.379	4000.198
170.000	0.629	0.629	39.400	40.030	138.646	4227.832	138.717	4259.434
180.000	0.626	0.626	39.713	40.435	146.985	4488.621	147.057	4522.293
188.496	0.625	0.625	39.971	40.734	154.103	4713.402	154.174	4748.857

Istram 18.05.05.29 12/07/18 13:08:31 459
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

pagina 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	301.243						
		ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	PLANTA--	--REAL--	PLANTA--	--REAL--			DESMONTE	TERRAPLEN	
0.000	12.710	12.715	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	13.005	13.042	0.000	0.000	128.082	0.000	128.292	0.000	0.000
20.000	13.535	13.546	0.000	0.000	260.303	0.000	260.752	0.000	0.000
30.000	13.595	13.605	0.000	0.000	395.490	0.000	396.041	0.000	0.000
40.000	13.434	13.437	0.000	0.000	530.180	0.000	530.797	0.000	0.000
50.000	13.471	13.472	0.000	0.000	664.259	0.000	664.900	0.000	0.000
60.000	13.476	13.477	0.000	0.000	798.546	0.000	799.199	0.000	0.000
70.000	13.623	13.625	0.000	0.000	933.585	0.000	934.254	0.000	0.000
80.000	13.771	13.772	0.000	0.000	1070.088	0.000	1070.771	0.000	0.000
90.000	13.901	13.901	0.000	0.000	1207.969	0.000	1208.655	0.000	0.000
100.000	14.015	14.015	0.000	0.000	1347.055	0.000	1347.743	0.000	0.000
110.000	14.122	14.123	0.000	0.000	1487.237	0.000	1487.928	0.000	0.000
120.000	14.103	14.103	0.000	0.000	1627.852	0.000	1628.545	0.000	0.000
130.000	13.747	13.749	0.000	0.000	1766.600	0.000	1767.306	0.000	0.000
140.000	12.689	12.691	0.000	0.000	1898.281	0.000	1899.006	0.000	0.000
150.000	12.870	12.871	0.000	0.000	2025.565	0.000	2026.303	0.000	0.000
160.000	7.618	7.618	4.647	4.648	2127.546	23.246	2128.289	23.246	0.000
170.000	8.789	8.790	4.590	4.596	2209.111	69.467	2209.857	69.500	0.000
180.000	1.246	1.246	13.955	13.972	2258.620	161.691	2259.369	161.840	0.000
190.000	1.224	1.229	16.017	16.024	2270.773	309.261	2271.550	309.530	0.000
200.000	1.250	1.250	17.756	17.757	2282.863	474.405	2283.668	474.712	0.000
210.000	1.250	1.250	19.509	19.510	2294.999	655.240	2295.804	655.550	0.000
220.000	1.250	1.250	21.323	21.323	2307.036	851.754	2307.841	852.067	0.000
230.000	1.250	1.250	23.033	23.034	2319.027	1064.375	2319.832	1064.691	0.000
240.000	1.250	1.250	23.571	23.571	2331.008	1287.630	2331.813	1287.947	0.000
250.000	1.246	1.246	23.992	24.003	2342.907	1514.418	2343.713	1514.790	0.000
260.000	1.251	1.251	25.335	25.369	2354.763	1748.701	2355.569	1749.264	0.000
270.000	1.234	1.234	26.203	26.213	2366.606	1994.228	2367.414	1994.976	0.000
280.000	1.250	1.250	26.229	26.230	2378.490	2244.884	2379.301	2245.686	0.000
283.412	1.247	1.247	26.170	26.171	2382.569	2330.447	2383.381	2331.253	0.000

[illegible]

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PROYECTO :

EJE: 20: Enlace Valoria La Buena: Ramal 3

* * * D E S B R O C E S * * *

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* * * cubicacion segun distancias compensadas * * *
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: 0.000

PK inicial	:	0.000
PK final	:	326.024

ANCHOS OCUPADOS	AREA
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[illegible]

DESMONTE TERRAPLEN DESMONTE TERRA

	-PLANTA-	-REAL-	-PLANTA-	-REAL-				
0.000	1.233	1.234	13.315	13.420	0.000	0.000	0.000	0.000
10.000	1.323	1.330	13.456	13.623	12.765	133.704	12.806	135.059
20.000	1.337	1.347	13.660	13.836	26.052	269.131	26.177	272.198
30.000	1.286	1.295	13.873	14.069	39.157	406.645	39.375	411.569
40.000	1.226	1.232	13.926	14.094	51.704	545.485	51.996	552.225
50.000	1.282	1.293	13.399	13.461	64.229	681.959	64.603	689.848
60.000	1.282	1.290	13.056	13.106	77.037	814.095	77.502	822.546
70.000	1.302	1.306	12.917	12.940	89.945	943.826	90.465	952.642
80.000	1.251	1.258	12.928	12.945	102.695	1072.917	103.271	1081.935
90.000	1.251	1.254	12.601	12.648	115.189	1200.430	115.818	1209.768
100.000	1.246	1.248	12.690	12.798	127.660	1326.746	128.313	1336.861
110.000	1.253	1.254	12.363	12.393	140.139	1451.869	140.808	1462.676
120.000	3.200	3.204	10.133	10.158	162.395	1564.204	163.089	1575.290
130.000	4.551	4.554	8.046	8.056	201.150	1654.958	201.877	1666.221
140.000	12.063	12.074	0.000	0.000	284.158	1695.123	284.953	1706.434
150.000	11.104	11.140	1.978	1.979	399.889	1704.999	400.916	1716.314
160.000	7.699	7.735	5.481	5.490	493.842	1742.203	495.225	1753.563
170.000	6.695	6.756	6.687	6.727	565.806	1802.501	567.672	1814.097
180.000	6.955	7.009	6.587	6.649	634.069	1867.779	636.504	1879.875
190.000	6.864	6.918	7.044	7.139	703.175	1934.257	706.148	1947.128
200.000	7.814	7.881	6.458	6.499	776.543	1999.466	780.119	2013.738
210.000	7.846	7.933	6.664	6.949	854.680	2062.118	859.018	2078.696
220.000	7.537	7.597	6.543	6.825	931.170	2124.861	936.233	2144.164
230.000	7.434	7.494	7.197	7.529	1005.294	2190.082	1010.950	2212.311
240.000	8.495	8.624	6.839	7.184	1084.158	2256.536	1090.761	2281.970
250.000	9.861	10.002	9.215	10.289	1174.790	2333.910	1182.744	2366.313
260.000	9.741	9.915	8.884	9.788	1270.551	2422.691	1280.055	2464.940
270.000	9.627	9.761	9.186	10.112	1363.892	2511.658	1374.873	2563.000
280.000	9.617	9.715	9.323	10.199	1455.759	2602.024	1467.825	2662.355
290.000	10.938	10.994	5.650	6.027	1553.796	2670.535	1566.561	2736.863
300.000	10.833	10.883	5.605	6.144	1658.050	2716.998	1671.288	2787.172
308.176	11.817	11.870	4.569	5.071	1746.984	2751.461	1760.592	2825.214

pagina 1

Istram 18.05.05.29 17/01/19 19:15:31 1880

PROYECTO :

EJE: 21: Enlace Valoria La Buena: Ramal 4

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* * * D E S B R O C E S * * *

* * * cubicacion segun distancias compensadas * * *

0 000

PK inicial	:	0.000
PK final	:	325.314

ANCHOS OCUPADOS AREA

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DESMONTE	TERRAPLEN	DESMONTE	TERRA
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	-PLANTA-	-REAL-	-PLANTA-	-REAL-				
17.865	14.174	14.368	0.165	0.178	0.000	0.000	0.000	0.000
20.000	14.136	14.515	0.973	1.056	28.150	0.995	28.646	1.078
30.000	8.502	8.612	10.948	12.036	133.740	55.036	136.310	60.248
40.000	8.210	8.297	11.574	12.556	213.726	160.030	217.251	174.774
50.000	3.445	3.585	14.878	15.434	270.948	285.518	275.647	307.574
60.000	1.756	1.858	16.079	16.615	296.846	434.818	302.797	462.125
70.000	1.415	1.455	15.952	16.385	312.484	590.253	319.158	622.240
80.000	1.394	1.421	15.013	15.239	326.277	740.861	333.285	776.034
90.000	1.386	1.410	14.067	14.210	339.927	882.473	347.197	919.435
100.000	1.224	1.232	13.326	13.428	352.713	1015.986	360.149	1054.133
110.000	1.205	1.208	12.930	13.005	364.572	1144.155	372.058	1183.162
120.000	1.253	1.254	12.143	12.156	376.568	1266.700	384.069	1306.136
130.000	2.298	2.298	10.490	10.499	394.075	1377.312	401.582	1416.860
140.000	12.251	12.261	0.000	0.000	465.634	1428.721	473.189	1468.317
150.000	12.641	12.651	0.000	0.000	588.477	1428.721	596.127	1468.317
160.000	12.929	12.946	0.000	0.000	715.270	1428.721	723.054	1468.317
170.000	12.811	12.908	0.226	0.227	843.378	1429.838	851.728	1469.440
180.000	13.032	13.126	0.182	0.183	972.393	1431.868	981.695	1471.481
190.000	9.418	9.545	3.972	4.075	1084.585	1452.596	1094.987	1492.729
200.000	9.960	10.076	3.659	3.774	1181.452	1490.672	1193.063	1531.889
210.000	11.395	11.534	2.167	2.200	1288.186	1519.740	1301.072	1561.686
220.000	13.481	13.601	0.000	0.000	1412.484	1530.552	1426.666	1572.656

pagina 1

FIRMES ENLACE VALORIA

Istram 18.05.05.29 12/07/18 13:06:59 459
PROYECTO :
EJE: 22: Enlace Valoria La Buena: Acceso

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	4.960	0.00	0.0	AC22 bin D	1.524	0.00	0.0
	AC16 surf S	1.081	0.00	0.0	ZA	0.245	0.00	0.0
	AC16 surf S	0.041	0.00	0.0	Rellenos	0.010	0.00	0.0
10.000	Suelo Cemento	2.803	38.44	38.4	AC22 bin D	0.858	11.78	11.8
	AC16 surf S	0.602	8.32	8.3	ZA	0.019	1.01	1.0
	AC16 surf S	0.006	0.18	0.2	Rellenos	0.008	0.07	0.1
20.000	Suelo Cemento	2.538	26.54	65.0	AC22 bin D	0.774	8.11	19.9
	AC16 surf S	0.544	5.69	14.0	ZA	0.000	0.08	1.1
	AC16 surf S	0.000	0.02	0.2	Rellenos	0.000	0.03	0.1
30.000	Suelo Cemento	2.539	25.39	90.4	AC22 bin D	0.774	7.74	27.6
	AC16 surf S	0.544	5.44	19.5				
40.000	Suelo Cemento	2.536	25.38	115.7	AC22 bin D	0.775	7.74	35.4
	AC16 surf S	0.545	5.45	24.9				
50.000	Suelo Cemento	2.494	25.15	140.9	AC22 bin D	0.761	7.68	43.1
	AC16 surf S	0.534	5.40	30.3				
60.000	Suelo Cemento	2.143	23.19	164.1	AC22 bin D	0.649	7.05	50.1
	AC16 surf S	0.454	4.94	35.2				
70.000	Suelo Cemento	1.791	19.67	183.8	AC22 bin D	0.537	5.93	56.0
	AC16 surf S	0.374	4.14	39.4				
70.941	Suelo Cemento	1.756	1.67	185.4	AC22 bin D	0.526	0.50	56.5
	AC16 surf S	0.367	0.35	39.7				
80.000	Suelo Cemento	1.439	14.47	199.9	AC22 bin D	0.424	4.30	60.8
	AC16 surf S	0.294	3.00	42.7				
88.757	Suelo Cemento	1.130	11.25	211.1	AC22 bin D	0.326	3.29	64.1
	AC16 surf S	0.224	2.27	45.0				

Istram 18.05.05.29 12/07/18 13:06:59 459
PROYECTO :
EJE: 22: Enlace Valoria La Buena: Acceso

pagina 2

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
Suelo Cemento	211.1
AC22 bin D	64.1
AC16 surf S	45.0
ZA	1.1
AC16 surf S	0.2
Rellenos	0.1

Istram 18.05.05.29 12/07/18 13:06:56 459
PROYECTO :
EJE: 16: Enlace Valoria La Buena: Eje 1

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	4.647	0.00	0.0	AC22 bin D	1.441	0.00	0.0
	AC16 surf S	1.016	0.00	0.0	ZA	0.918	0.00	0.0
	AC16 surf S	0.136	0.00	0.0	Rellenos	1.061	0.00	0.0
10.000	Suelo Cemento	2.162	34.04	34.0	AC22 bin D	0.650	10.46	10.5
	AC16 surf S	0.454	7.35	7.4	ZA	0.748	8.33	8.3
	AC16 surf S	0.120	1.28	1.3	Rellenos	0.976	10.19	10.2
20.000	Suelo Cemento	1.807	19.84	53.9	AC22 bin D	0.537	5.93	16.4
	AC16 surf S	0.373	4.13	11.5	ZA	0.807	7.77	16.1
	AC16 surf S	0.130	1.25	2.5	Rellenos	0.973	9.74	19.9
30.000	Suelo Cemento	1.805	18.06	71.9	AC22 bin D	0.538	5.37	21.8
	AC16 surf S	0.372	3.73	15.2	ZA	0.807	8.07	24.2
	AC16 surf S	0.130	1.30	3.8	Rellenos	0.973	9.73	29.7
40.000	Suelo Cemento	1.805	18.05	90.0	AC22 bin D	0.537	5.38	27.1
	AC16 surf S	0.373	3.73	18.9	ZA	0.807	8.07	32.2
	AC16 surf S	0.130	1.30	5.1	Rellenos	0.973	9.73	39.4
50.000	Suelo Cemento	1.805	18.05	108.0	AC22 bin D	0.537	5.37	32.5
	AC16 surf S	0.373	3.73	22.7	ZA	0.807	8.07	40.3
	AC16 surf S	0.130	1.30	6.4	Rellenos	0.973	9.73	49.1
60.000	Suelo Cemento	1.807	18.06	126.1	AC22 bin D	0.537	5.37	37.9
	AC16 surf S	0.373	3.73	26.4	ZA	0.808	8.07	48.4
	AC16 surf S	0.130	1.30	7.7	Rellenos	0.973	9.73	58.8
70.000	Suelo Cemento	1.806	18.07	144.2	AC22 bin D	0.537	5.37	43.2
	AC16 surf S	0.373	3.73	30.1	ZA	0.807	8.07	56.5
	AC16 surf S	0.130	1.30	9.0	Rellenos	0.973	9.73	68.6
80.000	Suelo Cemento	1.807	18.06	162.2	AC22 bin D	0.537	5.37	48.6
	AC16 surf S	0.372	3.73	33.9	ZA	0.807	8.07	64.5
	AC16 surf S	0.130	1.30	10.3	Rellenos	0.973	9.73	78.3
90.000	Suelo Cemento	1.806	18.06	180.3	AC22 bin D	0.537	5.37	54.0
	AC16 surf S	0.373	3.73	37.6	ZA	0.807	8.07	72.6
	AC16 surf S	0.130	1.30	11.6	Rellenos	0.973	9.73	88.0
100.000	Suelo Cemento	1.805	18.06	198.4	AC22 bin D	0.537	5.37	59.4
	AC16 surf S	0.373	3.73	41.3	ZA	0.807	8.07	80.7
	AC16 surf S	0.130	1.30	12.9	Rellenos	0.973	9.73	97.8
110.000	Suelo Cemento	1.805	18.05	216.4	AC22 bin D	0.538	5.37	64.7
	AC16 surf S	0.373	3.73	45.0	ZA	0.807	8.07	88.7
	AC16 surf S	0.130	1.30	14.2	Rellenos	0.973	9.73	107.5

Istram 18.05.05.29 12/07/18 13:06:56 459
PROYECTO :
EJE: 16: Enlace Valoria La Buena: Eje 1

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.806	18.05	234.5	AC22 bin D	0.537	5.37	70.1
	AC16 surf S	0.373	3.73	48.8	ZA	0.807	8.07	96.8
	AC16 surf S	0.130	1.30	15.5	Rellenos	0.973	9.73	117.2
130.000	Suelo Cemento	1.805	18.05	252.5	AC22 bin D	0.537	5.37	75.5
	AC16 surf S	0.373	3.73	52.5	ZA	0.807	8.07	104.9
	AC16 surf S	0.130	1.30	16.8	Rellenos	0.973	9.73	126.9
135.006	Suelo Cemento	1.805	9.04	261.5	AC22 bin D	0.538	2.69	78.2
	AC16 surf S	0.372	1.87	54.4	ZA	0.807	4.04	108.9
	AC16 surf S	0.130	0.65	17.5	Rellenos	1.359	5.84	132.8

Istram 18.05.05.29 12/07/18 13:06:56 459
PROYECTO :
EJE: 16: Enlace Valoria La Buena: Eje 1

pagina 3

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
Suelo Cemento	261.5
AC22 bin D	78.2
AC16 surf S	54.4
ZA	108.9
AC16 surf S	17.5
Rellenos	132.8

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 17: Enlace Valoria La Buena: Eje 2

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	4.635	0.00	0.0	AC22 bin D	1.435	0.00	0.0
	AC16 surf S	1.016	0.00	0.0	ZA	0.879	0.00	0.0
	AC16 surf S	0.131	0.00	0.0	Rellenos	1.055	0.00	0.0
10.000	Suelo Cemento	2.134	33.84	33.8	AC22 bin D	0.641	10.38	10.4
	AC16 surf S	0.447	7.32	7.3	ZA	0.633	7.56	7.6
	AC16 surf S	0.102	1.17	1.2	Rellenos	0.965	10.10	10.1
20.000	Suelo Cemento	1.805	19.69	53.5	AC22 bin D	0.538	5.89	16.3
	AC16 surf S	0.372	4.10	11.4	ZA	0.643	6.38	13.9
	AC16 surf S	0.105	1.04	2.2	Rellenos	0.959	9.62	19.7
30.000	Suelo Cemento	1.806	18.05	71.6	AC22 bin D	0.537	5.37	21.6
	AC16 surf S	0.373	3.72	15.1	ZA	0.644	6.43	20.4
	AC16 surf S	0.105	1.05	3.3	Rellenos	0.959	9.59	29.3
40.000	Suelo Cemento	1.807	18.06	89.7	AC22 bin D	0.537	5.37	27.0
	AC16 surf S	0.372	3.72	18.9	ZA	0.644	6.44	26.8
	AC16 surf S	0.105	1.05	4.3	Rellenos	0.959	9.59	38.9
44.623	Suelo Cemento	1.806	8.35	98.0	AC22 bin D	0.537	2.48	29.5
	AC16 surf S	0.372	1.72	20.6	ZA	0.643	2.97	29.8
	AC16 surf S	0.105	0.49	4.8	Rellenos	0.959	4.43	43.3

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 17: Enlace Valoria La Buena: Eje 2

pagina 2

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
Suelo Cemento	98.0
AC22 bin D	29.5
AC16 surf S	20.6
ZA	29.8
AC16 surf S	4.8
Rellenos	43.3

Istram 18.05.05.29 12/07/18 13:06:55 459
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
CAPAS DE FIRME * * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	2.303	0.00	0.0	AC22 bin D	0.697	0.00	0.0
	AC16 surf S	0.490	0.00	0.0	Rellenos	0.408	0.00	0.0
10.000	Suelo Cemento	2.317	20.49	20.5	AC22 bin D	0.695	6.12	6.1
	AC16 surf S	0.491	4.30	4.3	Rellenos	0.418	4.41	4.4
20.000	Suelo Cemento	2.331	20.64	41.1	AC22 bin D	0.695	6.11	12.2
	AC16 surf S	0.490	4.30	8.6	Rellenos	0.425	4.51	8.9
30.000	Suelo Cemento	2.339	20.76	61.9	AC22 bin D	0.696	6.11	18.3
	AC16 surf S	0.490	4.30	12.9	Rellenos	0.432	4.58	13.5

40.000	Suelo Cemento	2.345	20.84	82.7	AC22 bin D	0.695	6.11	24.5
	AC16 surf S	0.490	4.30	17.2	Rellenos	0.436	4.64	18.1
50.000	Suelo Cemento	2.345	20.87	103.6	AC22 bin D	0.696	6.11	30.6
	AC16 surf S	0.491	4.30	21.5	Rellenos	0.436	4.66	22.8
60.000	Suelo Cemento	2.343	20.86	124.5	AC22 bin D	0.695	6.11	36.7
	AC16 surf S	0.490	4.30	25.8	Rellenos	0.433	4.65	27.5
70.000	Suelo Cemento	2.334	20.80	145.3	AC22 bin D	0.696	6.11	42.8
	AC16 surf S	0.490	4.30	30.1	Rellenos	0.428	4.61	32.1
80.000	Suelo Cemento	2.323	20.69	165.9	AC22 bin D	0.695	6.11	48.9
	AC16 surf S	0.491	4.30	34.4	Rellenos	0.421	4.54	36.6
90.000	Suelo Cemento	2.309	20.56	186.5	AC22 bin D	0.696	6.11	55.0
	AC16 surf S	0.491	4.31	38.7	Rellenos	0.412	4.45	41.1
100.000	Suelo Cemento	2.297	20.42	206.9	AC22 bin D	0.696	6.11	61.1
	AC16 surf S	0.490	4.30	43.0	Rellenos	0.403	4.36	45.4
110.000	Suelo Cemento	2.283	20.28	227.2	AC22 bin D	0.696	6.11	67.2
	AC16 surf S	0.491	4.30	47.3	Rellenos	0.395	4.26	49.7
120.000	Suelo Cemento	2.274	20.16	247.4	AC22 bin D	0.695	6.11	73.4
	AC16 surf S	0.492	4.31	51.6	Rellenos	0.387	4.18	53.8
130.000	Suelo Cemento	2.265	20.06	267.4	AC22 bin D	0.696	6.11	79.5
	AC16 surf S	0.492	4.31	55.9	Rellenos	0.382	4.11	58.0
140.000	Suelo Cemento	2.263	20.01	287.4	AC22 bin D	0.696	6.12	85.6
	AC16 surf S	0.491	4.31	60.2	Rellenos	0.380	4.07	62.0
150.000	Suelo Cemento	2.265	20.00	307.4	AC22 bin D	0.695	6.11	91.7
	AC16 surf S	0.492	4.31	64.5	Rellenos	0.381	4.07	66.1
160.000	Suelo Cemento	2.270	20.04	327.5	AC22 bin D	0.696	6.11	97.8
	AC16 surf S	0.492	4.31	68.9	Rellenos	0.386	4.10	70.2
170.000	Suelo Cemento	2.279	20.12	347.6	AC22 bin D	0.696	6.11	103.9
	AC16 surf S	0.492	4.31	73.2	Rellenos	0.392	4.15	74.3
180.000	Suelo Cemento	2.292	20.23	367.8	AC22 bin D	0.696	6.12	110.0
	AC16 surf S	0.491	4.31	77.5	Rellenos	0.401	4.24	78.6

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 2
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
188.496	Suelo Cemento	2.303	17.30	385.1	AC22 bin D	0.697	5.20	115.2
	AC16 surf S	0.490	3.65	81.1	Rellenos	0.408	3.67	82.3

Istram 18.05.05.29 12/07/18 13:06:55 459 pagina 3
PROYECTO :
EJE: 14: Enlace Valoria La Buena: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	385.1
AC22 bin D	115.2
AC16 surf S	81.1
Rellenos	82.3

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 1
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.354	0.00	0.0	AC22 bin D	0.362	0.00	0.0
	AC16 surf S	0.246	0.00	0.0	ZA	0.700	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.415	0.00	0.0
10.000	Suelo Cemento	1.354	13.52	13.5	AC22 bin D	0.362	3.61	3.6
	AC16 surf S	0.246	2.46	2.5	ZA	0.701	6.96	7.0
	AC16 surf S	0.115	1.15	1.1	Rellenos	1.468	14.35	14.3
20.000	Suelo Cemento	1.354	13.52	27.0	AC22 bin D	0.362	3.61	7.2
	AC16 surf S	0.246	2.46	4.9	ZA	0.701	6.96	13.9
	AC16 surf S	0.115	1.15	2.3	Rellenos	1.708	15.82	30.2
30.000	Suelo Cemento	1.354	13.52	40.6	AC22 bin D	0.362	3.61	10.8
	AC16 surf S	0.246	2.46	7.4	ZA	0.700	6.96	20.9
	AC16 surf S	0.115	1.15	3.4	Rellenos	1.708	17.03	47.2
40.000	Suelo Cemento	1.354	13.53	54.1	AC22 bin D	0.362	3.61	14.5
	AC16 surf S	0.246	2.46	9.8	ZA	0.701	6.96	27.8
	AC16 surf S	0.115	1.15	4.6	Rellenos	1.708	17.03	64.2
50.000	Suelo Cemento	1.355	13.53	67.6	AC22 bin D	0.362	3.61	18.1
	AC16 surf S	0.246	2.46	12.3	ZA	0.698	6.95	34.8
	AC16 surf S	0.115	1.15	5.7	Rellenos	1.707	17.02	81.3
60.000	Suelo Cemento	1.358	13.55	81.2	AC22 bin D	0.362	3.61	21.7
	AC16 surf S	0.246	2.46	14.8	ZA	0.690	6.90	41.7
	AC16 surf S	0.115	1.14	6.9	Rellenos	1.698	16.97	98.2
70.000	Suelo Cemento	1.364	13.59	94.8	AC22 bin D	0.363	3.62	25.3
	AC16 surf S	0.247	2.46	17.2	ZA	0.681	6.81	48.5
	AC16 surf S	0.115	1.14	8.0	Rellenos	1.691	16.90	115.1
80.000	Suelo Cemento	1.392	13.76	108.5	AC22 bin D	0.371	3.67	29.0
	AC16 surf S	0.253	2.50	19.7	ZA	0.672	6.72	55.2
	AC16 surf S	0.115	1.14	9.2	Rellenos	1.683	16.82	131.9
90.000	Suelo Cemento	1.419	14.04	122.6	AC22 bin D	0.379	3.74	32.7
	AC16 surf S	0.258	2.55	22.3	ZA	0.664	6.64	61.9
	AC16 surf S	0.115	1.14	10.3	Rellenos	1.675	16.74	148.7
100.000	Suelo Cemento	1.445	14.30	136.9	AC22 bin D	0.387	3.82	36.5

110.000	AC16 surf S	0.263	2.60	24.9	ZA	0.660	6.58	68.4
	AC16 surf S	0.115	1.14	11.4	Rellenos	1.671	16.68	165.4
	Suelo Cemento	1.472	14.56	151.4	AC22 bin D	0.394	3.90	40.4
	AC16 surf S	0.269	2.66	27.5	ZA	0.660	6.56	75.0
	AC16 surf S	0.115	1.14	12.6	Rellenos	1.674	16.68	182.1

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 2
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.481	14.74	166.2	AC22 bin D	0.397	3.95	44.4
	AC16 surf S	0.271	2.70	30.2	ZA	0.660	6.56	81.5
	AC16 surf S	0.115	1.14	13.7	Rellenos	1.677	16.71	198.8
130.000	Suelo Cemento	1.484	14.80	181.0	AC22 bin D	0.397	3.96	48.3
	AC16 surf S	0.271	2.70	32.9	ZA	0.660	6.56	88.1
	AC16 surf S	0.115	1.14	14.9	Rellenos	1.680	16.74	215.5
140.000	Suelo Cemento	1.485	14.82	195.8	AC22 bin D	0.397	3.96	52.3
	AC16 surf S	0.271	2.70	35.6	ZA	0.660	6.56	94.7
	AC16 surf S	0.115	1.14	16.0	Rellenos	1.333	15.01	230.5
150.000	Suelo Cemento	1.487	14.84	210.6	AC22 bin D	0.397	3.96	56.3
	AC16 surf S	0.271	2.70	38.3	ZA	0.660	6.56	101.2
	AC16 surf S	0.115	1.14	17.2	Rellenos	1.267	12.93	243.4
160.000	Suelo Cemento	1.489	14.86	225.5	AC22 bin D	0.397	3.96	60.2
	AC16 surf S	0.271	2.70	41.0	ZA	0.660	6.55	107.8
	AC16 surf S	0.115	1.14	18.3	Rellenos	0.988	11.22	254.7
170.000	Suelo Cemento	1.496	14.90	240.4	AC22 bin D	0.399	3.97	64.2
	AC16 surf S	0.272	2.71	43.7	ZA	0.660	6.55	114.3
	AC16 surf S	0.115	1.15	19.5	Rellenos	1.255	11.16	265.8
180.000	Suelo Cemento	1.546	15.15	255.5	AC22 bin D	0.413	4.04	68.2
	AC16 surf S	0.282	2.75	46.5	ZA	0.661	6.49	120.8
	AC16 surf S	0.115	1.13	20.6	Rellenos	0.903	10.67	276.5
190.000	Suelo Cemento	1.597	15.59	271.1	AC22 bin D	0.426	4.15	72.4
	AC16 surf S	0.291	2.84	49.3	ZA	0.660	6.38	127.2
	AC16 surf S	0.115	1.12	21.7	Rellenos	0.907	8.91	285.4
200.000	Suelo Cemento	1.648	16.02	287.1	AC22 bin D	0.440	4.26	76.6
	AC16 surf S	0.301	2.92	52.2	ZA	0.661	6.26	133.5
	AC16 surf S	0.115	1.09	22.8	Rellenos	0.912	8.88	294.3
210.000	Suelo Cemento	1.697	16.43	303.6	AC22 bin D	0.454	4.37	81.0
	AC16 surf S	0.311	2.99	55.2	ZA	0.660	6.13	139.6
	AC16 surf S	0.115	1.07	23.9	Rellenos	0.916	8.84	303.1
220.000	Suelo Cemento	1.747	16.82	320.4	AC22 bin D	0.467	4.48	85.5
	AC16 surf S	0.320	3.07	58.3	ZA	0.661	6.00	145.6
	AC16 surf S	0.115	1.05	24.9	Rellenos	0.921	8.80	311.9
230.000	Suelo Cemento	1.748	17.02	337.4	AC22 bin D	0.467	4.53	90.0
	AC16 surf S	0.320	3.10	61.4	ZA	0.660	5.93	151.5
	AC16 surf S	0.115	1.04	26.0	Rellenos	0.921	8.78	320.7

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 3
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	Suelo Cemento	1.744	17.00	354.4	AC22 bin D	0.467	4.52	94.5
	AC16 surf S	0.320	3.10	64.5	ZA	0.661	5.93	157.4
	AC16 surf S	0.115	1.04	27.0	Rellenos	0.919	8.77	329.5
250.000	Suelo Cemento	1.719	16.86	371.3	AC22 bin D	0.467	4.52	99.1
	AC16 surf S	0.321	3.11	67.6	ZA	0.660	5.93	163.4
	AC16 surf S	0.115	1.04	28.0	Rellenos	0.904	8.69	338.1
260.000	Suelo Cemento	1.696	16.61	387.9	AC22 bin D	0.467	4.52	103.6
	AC16 surf S	0.321	3.11	70.7	ZA	0.667	5.96	169.3
	AC16 surf S	0.115	1.04	29.1	Rellenos	0.895	8.56	346.7
270.000	Suelo Cemento	1.675	16.39	404.3	AC22 bin D	0.468	4.53	108.1
	AC16 surf S	0.321	3.11	73.8	ZA	0.709	6.18	175.5
	AC16 surf S	0.112	1.03	30.1	Rellenos	0.931	8.65	355.4
280.000	Suelo Cemento	1.656	16.18	420.5	AC22 bin D	0.467	4.53	112.6
	AC16 surf S	0.322	3.11	76.9	ZA	0.631	6.02	181.5
	AC16 surf S	0.094	0.93	31.0	Rellenos	0.952	8.89	364.3
283.412	Suelo Cemento	1.653	5.48	425.9	AC22 bin D	0.467	1.54	114.2
	AC16 surf S	0.322	1.06	78.0	ZA	0.585	1.87	183.4
	AC16 surf S	0.087	0.28	31.3	Rellenos	0.950	3.06	367.3

Istram 18.05.05.29 12/07/18 13:06:57 459 pagina 4
PROYECTO :
EJE: 18: Enlace Valoria La Buena: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	425.9
AC22 bin D	114.2
AC16 surf S	78.0
ZA	183.4
AC16 surf S	31.3
Rellenos	367

PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME ***** ***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.412	Suelo Cemento	1.736	0.00	0.0	AC22 bin D	0.495	0.00	0.0
	AC16 surf S	0.068	0.00	0.0	ZA	0.473	0.00	0.0
	AC16 surf S	0.014	0.00	0.0	Rellenos	0.797	0.00	0.0
20.000	Suelo Cemento	1.707	4.29	4.3	AC22 bin D	0.484	1.22	1.2
	AC16 surf S	0.066	0.17	0.2	ZA	0.518	1.13	1.1
	AC16 surf S	0.016	0.03	0.0	Rellenos	0.800	1.93	1.9
30.000	Suelo Cemento	1.712	16.48	20.8	AC22 bin D	0.480	4.64	5.9
	AC16 surf S	0.065	0.63	0.8	ZA	0.696	5.33	6.5
	AC16 surf S	0.021	0.16	0.2	Rellenos	0.801	7.47	9.4
40.000	Suelo Cemento	1.727	16.59	37.4	AC22 bin D	0.480	4.62	10.5
	AC16 surf S	0.065	0.63	1.4	ZA	0.704	6.13	12.6
	AC16 surf S	0.022	0.19	0.4	Rellenos	0.779	7.37	16.8
48.142	Suelo Cemento	1.741	13.63	51.0	AC22 bin D	0.479	3.76	14.2
	AC16 surf S	0.065	0.51	1.9	ZA	0.664	4.87	17.5
	AC16 surf S	0.023	0.16	0.5	Rellenos	0.753	5.85	22.6
50.000	Suelo Cemento	1.733	3.12	54.1	AC22 bin D	0.476	0.85	15.1
	AC16 surf S	0.065	0.12	2.0	ZA	0.660	1.08	18.5
	AC16 surf S	0.023	0.04	0.6	Rellenos	0.753	1.32	23.9
60.000	Suelo Cemento	1.700	16.68	70.8	AC22 bin D	0.459	4.52	19.6
	AC16 surf S	0.062	0.61	2.7	ZA	0.660	5.90	24.4
	AC16 surf S	0.023	0.21	0.8	Rellenos	0.764	7.21	31.1
70.000	Suelo Cemento	1.662	16.46	87.3	AC22 bin D	0.441	4.39	24.0
	AC16 surf S	0.060	0.59	3.3	ZA	0.661	6.07	30.5
	AC16 surf S	0.023	0.21	1.0	Rellenos	0.773	7.40	38.5
80.000	Suelo Cemento	1.608	16.13	103.4	AC22 bin D	0.424	4.25	28.3
	AC16 surf S	0.057	0.57	3.8	ZA	0.660	6.22	36.7
	AC16 surf S	0.023	0.22	1.2	Rellenos	0.773	7.53	46.1
110.000	Suelo Cemento	1.516	46.64	150.0	AC22 bin D	0.395	12.21	40.5
	AC16 surf S	0.053	1.65	5.5	ZA	0.661	19.40	56.1
	AC16 surf S	0.023	0.68	1.9	Rellenos	0.773	22.97	69.1
120.000	Suelo Cemento	1.516	15.12	165.1	AC22 bin D	0.395	3.93	44.4
	AC16 surf S	0.053	0.53	6.0	ZA	0.661	6.53	62.7
	AC16 surf S	0.023	0.23	2.1	Rellenos	0.773	7.69	76.7
130.000	Suelo Cemento	1.516	15.12	180.3	AC22 bin D	0.394	3.93	48.3
	AC16 surf S	0.053	0.53	6.5	ZA	0.660	6.53	69.2
	AC16 surf S	0.023	0.23	2.4	Rellenos	0.773	7.69	84.4

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME ***** ***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
140.000	Suelo Cemento	1.516	15.12	195.4	AC22 bin D	0.394	3.93	52.3
	AC16 surf S	0.053	0.53	7.1	ZA	0.660	6.53	75.7
	AC16 surf S	0.023	0.23	2.6	Rellenos	0.773	7.69	92.1
150.000	Suelo Cemento	1.516	15.12	210.5	AC22 bin D	0.395	3.93	56.2
	AC16 surf S	0.053	0.53	7.6	ZA	0.661	6.53	82.2
	AC16 surf S	0.023	0.23	2.8	Rellenos	0.773	7.69	99.8
160.000	Suelo Cemento	1.516	15.12	225.6	AC22 bin D	0.395	3.93	60.1
	AC16 surf S	0.053	0.53	8.1	ZA	0.661	6.53	88.8
	AC16 surf S	0.023	0.23	3.0	Rellenos	0.773	7.69	107.5
170.000	Suelo Cemento	1.516	15.12	240.8	AC22 bin D	0.395	3.93	64.1
	AC16 surf S	0.053	0.53	8.6	ZA	0.661	6.53	95.3
	AC16 surf S	0.023	0.23	3.3	Rellenos	0.838	8.01	115.5
180.000	Suelo Cemento	1.516	15.12	255.9	AC22 bin D	0.395	3.93	68.0
	AC16 surf S	0.053	0.53	9.2	ZA	0.661	6.53	101.8
	AC16 surf S	0.023	0.23	3.5	Rellenos	0.773	8.01	123.5
190.000	Suelo Cemento	1.516	15.12	271.0	AC22 bin D	0.394	3.93	71.9
	AC16 surf S	0.053	0.53	9.7	ZA	0.661	6.53	108.4
	AC16 surf S	0.023	0.23	3.7	Rellenos	0.773	7.69	131.2
200.000	Suelo Cemento	1.516	15.12	286.1	AC22 bin D	0.394	3.93	75.9
	AC16 surf S	0.053	0.53	10.2	ZA	0.660	6.53	114.9
	AC16 surf S	0.023	0.23	3.9	Rellenos	0.802	7.84	139.1
210.000	Suelo Cemento	1.516	15.12	301.2	AC22 bin D	0.395	3.93	79.8
	AC16 surf S	0.053	0.53	10.8	ZA	0.661	6.53	121.4
	AC16 surf S	0.023	0.23	4.2	Rellenos	0.913	8.53	147.6
220.000	Suelo Cemento	1.516	15.12	316.4	AC22 bin D	0.395	3.93	83.7
	AC16 surf S	0.053	0.53	11.3	ZA	0.661	6.53	128.0
	AC16 surf S	0.023	0.23	4.4	Rellenos	0.869	8.86	156.4
230.000	Suelo Cemento	1.516	15.12	331.5	AC22 bin D	0.394	3.93	87.7
	AC16 surf S	0.053	0.53	11.8	ZA	0.661	6.53	134.5
	AC16 surf S	0.023	0.23	4.6	Rellenos	0.867	8.62	165.1
240.000	Suelo Cemento	1.516	15.13	346.6	AC22 bin D	0.394	3.93	91.6
	AC16 surf S	0.053	0.53	12.3	ZA	0.661	6.53	141.0
	AC16 surf S	0.023	0.23	4.8	Rellenos	0.882	8.69	173.8
250.000	Suelo Cemento	1.507	15.08	361.7	AC22 bin D	0.395	3.93	95.5
	AC16 surf S	0.053	0.53	12.9	ZA	0.661	6.53	147.6
	AC16 surf S	0.023	0.22	5.1	Rellenos	0.856	8.63	182.4

Istram 18.05.05.29 12/07/18 13:06:57 459
PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

***** CAPAS DE FIRME ***** ***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	Suelo Cemento	1.463	14.81	376.5	AC22 bin D	0.390	3.91	99.4
	AC16 surf S	0.052	0.52	13.4	ZA	0.660	6.53	154.1
	AC16 surf S	0.023	0.23	5.3	Rellenos	0.754	8.00	190.4
264.463	Suelo Cemento	1.442	6.47	383.0	AC22 bin D	0.387	1.73	101.2
	AC16 surf S	0.052	0.23	13.6	ZA	0.680	2.96	157.0
	AC16 surf S	0.023	0.10	5.4	Rellenos	0.764	3.37	193.8
270.000	Suelo Cemento	1.422	7.91	390.9	AC22 bin D	0.383	2.12	103.3
	AC16 surf S	0.051	0.28	13.9	ZA	0.701	3.78	160.8
	AC16 surf S	0.022	0.12	5.5	Rellenos	0.776	4.24	198.0
280.000	Suelo Cemento	1.398	14.07	405.0	AC22 bin D	0.375	3.78	107.1
	AC16 surf S	0.050	0.51	14.4	ZA	0.700	6.94	167.8
	AC16 surf S	0.022	0.22	5.7	Rellenos	0.776	7.72	205.7
290.000	Suelo Cemento	1.374	13.83	418.8	AC22 bin D	0.367	3.70	110.8
	AC16 surf S	0.049	0.50	14.9	ZA	0.701	6.95	174.7
	AC16 surf S	0.022	0.22	6.0	Rellenos	0.776	7.73	213.4
300.000	Suelo Cemento	1.355	13.62	432.4	AC22 bin D	0.361	3.63	114.4
	AC16 surf S	0.048	0.48	15.4	ZA	0.701	6.96	181.7
	AC16 surf S	0.022	0.22	6.2	Rellenos	0.776	7.74	221.2
310.000	Suelo Cemento	1.354	13.53	445.9	AC22 bin D	0.361	3.61	118.0
	AC16 surf S	0.048	0.48	15.9	ZA	0.700	6.97	188.6
	AC16 surf S	0.022	0.22	6.4	Rellenos	0.776	7.74	228.9
320.000	Suelo Cemento	1.355	13.53	459.5	AC22 bin D	0.361	3.61	121.6
	AC16 surf S	0.048	0.48	16.4	ZA	0.701	6.98	195.6
	AC16 surf S	0.022	0.22	6.6	Rellenos	0.776	7.75	236.7
329.862	Suelo Cemento	1.354	13.35	472.8	AC22 bin D	0.361	3.56	125.2
	AC16 surf S	0.048	0.48	16.8	ZA	0.700	6.89	202.5
	AC16 surf S	0.022	0.22	6.8	Rellenos	0.776	7.64	244.3

Istram 18.05.05.29 12/07/18 13:06:58 459

pagina 4

PROYECTO :
EJE: 19: Enlace Valoria La Buena: Ramal 2

***** RESUMEN DE VOLUMENES TOTALES *****

MATERIAL	VOLUMEN
Suelo Cemento	472.8
AC22 bin D	125.2
AC16 surf S	16.8
ZA	202.5
AC16 surf S	6.8
Rellenos	244.3

Istram 18.05.05.29 17/01/19 19:15:30 1880

pagina 1

PROYECTO :
EJE: 20: Enlace Valoria La Buena: Ramal 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** CAPAS DE FIRME *****								
***** cubicacion segun distancias compensadas *****								
=====								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	Suelo Cemento	1.277	0.00	0.0	AC22 bin D	0.362	0.00	0.0
	AC16 surf S	0.247	0.00	0.0	ZA	0.965	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.073	0.00	0.0
10.000	Suelo Cemento	1.277	12.76	12.8	AC22 bin D	0.362	3.62	3.6
	AC16 surf S	0.247	2.47	2.5	ZA	0.965	9.63	9.6
	AC16 surf S	0.115	1.15	1.1	Rellenos	1.072	10.71	10.7
20.000	Suelo Cemento	1.277	12.76	25.5	AC22 bin D	0.362	3.62	7.2
	AC16 surf S	0.247	2.47	4.9	ZA	0.965	9.63	19.3
	AC16 surf S	0.115	1.15	2.3	Rellenos	1.072	10.71	21.4
30.000	Suelo Cemento	1.277	12.76	38.3	AC22 bin D	0.362	3.62	10.9
	AC16 surf S	0.247	2.47	7.4	ZA	0.965	9.63	28.9
	AC16 surf S	0.115	1.15	3.4	Rellenos	1.073	10.71	32.1
40.000	Suelo Cemento	1.282	12.79	51.1	AC22 bin D	0.363	3.62	14.5
	AC16 surf S	0.248	2.48	9.9	ZA	0.965	9.63	38.5
	AC16 surf S	0.115	1.15	4.6	Rellenos	1.072	10.71	42.8
50.000	Suelo Cemento	1.306	12.94	64.0	AC22 bin D	0.371	3.67	18.1
	AC16 surf S	0.255	2.51	12.4	ZA	0.965	9.63	48.2
	AC16 surf S	0.115	1.15	5.7	Rellenos	1.073	10.71	53.5
60.000	Suelo Cemento	1.344	13.25	77.3	AC22 bin D	0.379	3.75	21.9
	AC16 surf S	0.259	2.57	15.0	ZA	0.916	9.38	57.5
	AC16 surf S	0.115	1.15	6.9	Rellenos	1.043	10.57	64.1
70.000	Suelo Cemento	1.388	13.65	90.9	AC22 bin D	0.387	3.83	25.7
	AC16 surf S	0.265	2.62	17.6	ZA	0.846	8.79	66.3
	AC16 surf S	0.115	1.15	8.0	Rellenos	1.003	10.22	74.3
80.000	Suelo Cemento	1.433	14.10	105.0	AC22 bin D	0.394	3.90	29.6
	AC16 surf S	0.270	2.67	20.3	ZA	0.779	8.11	74.5
	AC16 surf S	0.115	1.15	9.2	Rellenos	0.963	9.82	84.1
90.000	Suelo Cemento	1.450	14.41	119.4	AC22 bin D	0.397	3.95	33.6
	AC16 surf S	0.272	2.71	23.0	ZA	0.743	7.60	82.0
	AC16 surf S	0.115	1.15	10.3	Rellenos	0.941	9.51	93.7
100.000	Suelo Cemento	1.451	14.50	133.9	AC22 bin D	0.397	3.97	37.5
	AC16 surf S	0.271	2.71	25.7	ZA	0.743	7.42	89.5
	AC16 surf S	0.115	1.15	11.5	Rellenos	0.941	9.40	103.1
110.000	Suelo Cemento	1.450	14.50	148.4	AC22 bin D	0.397	3.97	41.5
	AC16 surf S	0.271	2.71	28.4	ZA	0.744	7.42	96.9
	AC16 surf S	0.115	1.15	12.6	Rellenos	0.941	9.40	112.5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.451	14.50	162.9		AC22 bin D	0.397	3.97	45.5	
	AC16 surf S	0.271	2.71	31.1		ZA	0.743	7.42	104.3	
	AC16 surf S	0.115	1.15	13.8		Rellenos	0.941	9.40	121.9	
130.000	Suelo Cemento	1.451	14.50	177.4		AC22 bin D	0.397	3.97	49.5	
	AC16 surf S	0.271	2.71	33.8		ZA	0.744	7.42	111.7	
	AC16 surf S	0.115	1.15	14.9		Rellenos	0.941	9.40	131.3	
140.000	Suelo Cemento	1.451	14.50	191.9		AC22 bin D	0.397	3.97	53.4	
	AC16 surf S	0.271	2.71	36.5		ZA	0.744	7.42	119.1	
	AC16 surf S	0.115	1.15	16.1		Rellenos	0.998	9.69	141.0	
150.000	Suelo Cemento	1.450	14.50	206.4		AC22 bin D	0.397	3.97	57.4	
	AC16 surf S	0.271	2.71	39.2		ZA	0.744	7.42	126.6	
	AC16 surf S	0.115	1.15	17.2		Rellenos	1.346	11.71	152.7	
160.000	Suelo Cemento	1.460	14.54	221.0		AC22 bin D	0.398	3.97	61.4	
	AC16 surf S	0.272	2.71	42.0		ZA	0.725	7.32	133.9	
	AC16 surf S	0.115	1.15	18.4		Rellenos	1.337	13.41	166.1	
170.000	Suelo Cemento	1.483	14.68	235.6		AC22 bin D	0.401	3.98	65.4	
	AC16 surf S	0.274	2.72	44.7		ZA	0.685	6.98	140.9	
	AC16 surf S	0.115	1.14	19.5		Rellenos	1.318	13.25	179.3	
180.000	Suelo Cemento	1.505	14.88	250.5		AC22 bin D	0.404	4.00	69.4	
	AC16 surf S	0.275	2.73	47.4		ZA	0.660	6.61	147.5	
	AC16 surf S	0.115	1.13	20.7		Rellenos	1.312	13.12	192.4	
190.000	Suelo Cemento	1.529	15.08	265.6		AC22 bin D	0.406	4.02	73.4	
	AC16 surf S	0.278	2.75	50.2		ZA	0.660	6.43	153.9	
	AC16 surf S	0.115	1.12	21.8		Rellenos	1.328	13.15	205.6	
200.000	Suelo Cemento	1.554	15.30	280.9		AC22 bin D	0.409	4.04	77.4	
	AC16 surf S	0.279	2.76	52.9		ZA	0.660	6.38	160.3	
	AC16 surf S	0.115	1.11	22.9		Rellenos	1.342	13.29	218.9	
210.000	Suelo Cemento	1.572	15.48	296.4		AC22 bin D	0.411	4.05	81.5	
	AC16 surf S	0.280	2.76	55.7		ZA	0.661	6.33	166.6	
	AC16 surf S	0.115	1.11	24.0		Rellenos	1.351	13.39	232.3	
220.000	Suelo Cemento	1.571	15.56	311.9		AC22 bin D	0.411	4.06	85.5	
	AC16 surf S	0.280	2.77	58.4		ZA	0.661	6.32	172.9	
	AC16 surf S	0.115	1.10	25.1		Rellenos	1.003	11.65	243.9	
230.000	Suelo Cemento	1.572	15.57	327.5		AC22 bin D	0.411	4.06	89.6	
	AC16 surf S	0.280	2.77	61.2		ZA	0.661	6.32	179.3	
	AC16 surf S	0.115	1.10	26.2		Rellenos	0.920	9.45	253.4	

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 3
PROYECTO :
EJE: 20: Enlace Valoria La Buena: Ramal 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
240.000	Suelo Cemento	1.572	15.57	343.1	AC22 bin D	0.411	4.06	93.7	
	AC16 surf S	0.280	2.77	64.0	ZA	0.661	6.32	185.6	
	AC16 surf S	0.115	1.10	27.3	Rellenos	0.920	9.02	262.4	
250.000	Suelo Cemento	1.580	15.61	358.7	AC22 bin D	0.414	4.07	97.7	
	AC16 surf S	0.282	2.78	66.7	ZA	0.661	6.32	191.9	
	AC16 surf S	0.115	1.10	28.4	Rellenos	0.920	9.02	271.4	
260.000	Suelo Cemento	1.623	15.81	374.5	AC22 bin D	0.432	4.16	101.9	
	AC16 surf S	0.296	2.84	69.6	ZA	0.661	6.24	198.1	
	AC16 surf S	0.115	1.09	29.5	Rellenos	0.913	8.94	280.4	
270.000	Suelo Cemento	1.661	16.12	390.6	AC22 bin D	0.450	4.31	106.2	
	AC16 surf S	0.308	2.95	72.5	ZA	0.660	6.11	204.3	
	AC16 surf S	0.115	1.07	30.6	Rellenos	0.901	8.76	289.1	
280.000	Suelo Cemento	1.699	16.38	407.0	AC22 bin D	0.468	4.45	110.7	
	AC16 surf S	0.321	3.06	75.6	ZA	0.666	5.99	210.2	
	AC16 surf S	0.115	1.05	31.6	Rellenos	0.894	8.56	297.7	
290.000	Suelo Cemento	1.724	16.56	423.6	AC22 bin D	0.481	4.57	115.2	
	AC16 surf S	0.331	3.14	78.7	ZA	0.716	6.09	216.3	
	AC16 surf S	0.115	1.02	32.6	Rellenos	1.084	9.39	307.1	
300.000	Suelo Cemento	1.707	16.55	440.1	AC22 bin D	0.481	4.63	119.8	
	AC16 surf S	0.332	3.19	81.9	ZA	0.607	5.80	222.1	
	AC16 surf S	0.093	0.92	33.6	Rellenos	1.117	10.49	317.6	
308.176	Suelo Cemento	1.700	13.43	453.5	AC22 bin D	0.483	3.79	123.6	
	AC16 surf S	0.333	2.61	84.5	ZA	0.456	3.82	226.0	
	AC16 surf S	0.069	0.59	34.2	Rellenos	1.329	9.65	327.2	

Istram 18.05.05.29 17/01/19 19:15:30 1880 pagina 4
PROYECTO :
EJE: 20: Enlace Valoria La Buena: Ramal 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	453.5
AC22 bin D	123.6
AC16 surf S	84.5
ZA	226.0
AC16 surf S	34.2
Rellenos	327.2

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 1
PROYECTO :
EJE: 21: Enlace Valoria La Buena: Ramal 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.865	Suelo Cemento	1.702		0.00	0.0	AC22 bin D	0.497		0.00	0.0
	AC16 surf S	0.344		0.00	0.0	ZA	0.529		0.00	0.0
	AC16 surf S	0.070		0.00	0.0	Rellenos	1.351		0.00	0.0
20.000	Suelo Cemento	1.696		3.47	3.5	AC22 bin D	0.493		1.01	1.0
	AC16 surf S	0.341		0.70	0.7	ZA	0.578		1.03	1.0
	AC16 surf S	0.076		0.14	0.1	Rellenos	1.118		2.50	2.5
30.000	Suelo Cemento	1.642		16.07	19.5	AC22 bin D	0.472		4.64	5.7
	AC16 surf S	0.326		3.21	3.9	ZA	0.809		6.11	7.1
	AC16 surf S	0.106		0.81	0.9	Rellenos	1.016		9.95	12.4
40.000	Suelo Cemento	1.591		15.72	35.3	AC22 bin D	0.451		4.48	10.1
	AC16 surf S	0.311		3.09	7.0	ZA	0.841		7.46	14.6
	AC16 surf S	0.115		1.01	2.0	Rellenos	1.000		9.46	21.9
50.000	Suelo Cemento	1.538		15.35	50.6	AC22 bin D	0.430		4.31	14.5
	AC16 surf S	0.295		2.97	10.0	ZA	0.791		7.58	22.2
	AC16 surf S	0.115		1.07	3.0	Rellenos	0.970		9.43	31.3
60.000	Suelo Cemento	1.517		15.08	65.7	AC22 bin D	0.418		4.18	18.6
	AC16 surf S	0.287		2.87	12.8	ZA	0.742		7.28	29.4
	AC16 surf S	0.115		1.10	4.1	Rellenos	0.940		9.28	40.6
70.000	Suelo Cemento	1.533		15.07	80.8	AC22 bin D	0.418		4.13	22.8
	AC16 surf S	0.286		2.83	15.7	ZA	0.694		6.85	36.3
	AC16 surf S	0.115		1.10	5.2	Rellenos	0.911		9.03	49.6
80.000	Suelo Cemento	1.549		15.24	96.0	AC22 bin D	0.418		4.13	26.9
	AC16 surf S	0.286		2.82	18.5	ZA	0.660		6.46	42.8
	AC16 surf S	0.115		1.10	6.3	Rellenos	0.894		8.82	58.5
90.000	Suelo Cemento	1.568		15.42	111.4	AC22 bin D	0.418		4.12	31.0
	AC16 surf S	0.286		2.82	21.3	ZA	0.660		6.30	49.1
	AC16 surf S	0.115		1.10	7.4	Rellenos	0.905		8.81	67.3
100.000	Suelo Cemento	1.587		15.61	127.0	AC22 bin D	0.418		4.12	35.1
	AC16 surf S	0.285		2.82	24.1	ZA	0.660		6.30	55.4
	AC16 surf S	0.115		1.10	8.5	Rellenos	0.917		8.92	76.2
110.000	Suelo Cemento	1.593		15.73	142.8	AC22 bin D	0.418		4.13	39.3
	AC16 surf S	0.286		2.82	26.9	ZA	0.661		6.30	61.7
	AC16 surf S	0.115		1.10	9.6	Rellenos	0.921		9.00	85.2
120.000	Suelo Cemento	1.593		15.77	158.5	AC22 bin D	0.418		4.13	43.4
	AC16 surf S	0.285		2.82	29.8	ZA	0.661		6.30	68.0
	AC16 surf S	0.115		1.10	10.7	Rellenos	0.920		9.02	94.2

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 2
PROYECTO :
EJE: 21: Enlace Valoria La Buena: Ramal 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
130.000	Suelo Cemento	1.573		15.67	174.2	AC22 bin D	0.416		4.12	47.5
	AC16 surf S	0.283		2.81	32.6	ZA	0.661		6.31	74.3
	AC16 surf S	0.115		1.10	11.8	Rellenos	0.913		8.98	103.2
140.000	Suelo Cemento	1.539		15.43	189.6	AC22 bin D	0.412		4.10	51.6
	AC16 surf S	0.281		2.79	35.4	ZA	0.660		6.36	80.6
	AC16 surf S	0.116		1.11	12.9	Rellenos	0.899		8.91	112.1
150.000	Suelo Cemento	1.507		15.13	204.8	AC22 bin D	0.408		4.06	55.7
	AC16 surf S	0.278		2.78	38.1	ZA	0.677		6.50	87.1
	AC16 surf S	0.115		1.12	14.1	Rellenos	1.221		10.50	122.6
160.000	Suelo Cemento	1.475		14.84	219.6	AC22 bin D	0.404		4.04	59.7
	AC16 surf S	0.276		2.76	40.9	ZA	0.732		6.90	94.0
	AC16 surf S	0.115		1.13	15.2	Rellenos	1.341		12.75	135.4
170.000	Suelo Cemento	1.446		14.57	234.2	AC22 bin D	0.399		4.00	63.7
	AC16 surf S	0.274		2.74	43.6	ZA	0.788		7.51	101.5
	AC16 surf S	0.115		1.14	16.3	Rellenos	1.367		13.50	148.9
180.000	Suelo Cemento	1.419		14.31	248.5	AC22 bin D	0.397		3.98	67.7
	AC16 surf S	0.272		2.73	46.4	ZA	0.848		8.15	109.7
	AC16 surf S	0.115		1.15	17.5	Rellenos	1.395		13.79	162.7
190.000	Suelo Cemento	1.400		14.08	262.6	AC22 bin D	0.397		3.97	71.7
	AC16 surf S	0.272		2.72	49.1	ZA	0.918		8.81	118.5
	AC16 surf S	0.115		1.15	18.6	Rellenos	1.425		14.09	176.7
200.000	Suelo Cemento	1.387		13.93	276.5	AC22 bin D	0.397		3.97	75.6
	AC16 surf S	0.273		2.72	51.8	ZA	0.965		9.39	127.9
	AC16 surf S	0.115		1.15	19.8	Rellenos	1.445		14.34	191.1
210.000	Suelo Cemento	1.388		13.87	290.3	AC22 bin D	0.397		3.97	79.6
	AC16 surf S	0.272		2.72	54.5	ZA	0.965		9.63	137.5
	AC16 surf S	0.115		1.15	20.9	Rellenos	1.445		14.44	205.5
220.000	Suelo Cemento	1.387		13.87	304.2	AC22 bin D	0.397		3.97	83.6
	AC16 surf S	0.273		2.72	57.3	ZA	0.965		9.63	147.2
	AC16 surf S	0.115		1.15	22.1	Rellenos	1.445		14.44	219.9
230.000	Suelo Cemento	1.388		13.87	318.1	AC22 bin D	0.397		3.97	87.5
	AC16 surf S	0.272		2.72	60.0	ZA	0.965		9.63	156.8
	AC16 surf S	0.115		1.15	23.2	Rellenos	1.510		14.76	234.7
240.000	Suelo Cemento	1.387		13.87	331.9	AC22 bin D	0.397		3.97	91.5
	AC16 surf S	0.272		2.72	62.7	ZA	0.965		9.63	166.4
	AC16 surf S	0.115		1.15	24.4	Rellenos	1.899		17.03	251.7

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
250.000	Suelo Cemento	1.388	13.87	345.8	AC22 bin D	0.397	3.97	95.5
	AC16 surf S	0.272	2.72	65.4	ZA	0.965	9.63	176.1
	AC16 surf S	0.115	1.15	25.5	Rellenos	1.899	18.97	270.7
260.000	Suelo Cemento	1.378	13.82	359.6	AC22 bin D	0.394	3.95	99.4
	AC16 surf S	0.271	2.71	68.1	ZA	0.965	9.63	185.7
	AC16 surf S	0.115	1.15	26.7	Rellenos	1.900	18.97	289.7
270.000	Suelo Cemento	1.355	13.66	373.3	AC22 bin D	0.386	3.90	103.3
	AC16 surf S	0.265	2.68	70.8	ZA	0.965	9.63	195.3
	AC16 surf S	0.115	1.15	27.8	Rellenos	1.899	18.97	308.6
280.000	Suelo Cemento	1.329	13.41	386.7	AC22 bin D	0.379	3.82	107.1
	AC16 surf S	0.259	2.62	73.4	ZA	0.965	9.63	205.0
	AC16 surf S	0.115	1.15	29.0	Rellenos	1.900	18.97	327.6
290.000	Suelo Cemento	1.305	13.16	399.9	AC22 bin D	0.371	3.75	110.9
	AC16 surf S	0.254	2.56	76.0	ZA	0.965	9.63	214.6
	AC16 surf S	0.115	1.15	30.1	Rellenos	1.899	18.97	346.6
300.000	Suelo Cemento	1.280	12.92	412.8	AC22 bin D	0.363	3.67	114.5
	AC16 surf S	0.248	2.51	78.5	ZA	0.965	9.63	224.2
	AC16 surf S	0.115	1.15	31.3	Rellenos	1.899	18.97	365.6
310.000	Suelo Cemento	1.277	12.78	425.6	AC22 bin D	0.362	3.62	118.2
	AC16 surf S	0.247	2.48	81.0	ZA	0.965	9.63	233.9
	AC16 surf S	0.115	1.15	32.4	Rellenos	1.899	18.97	384.5
320.000	Suelo Cemento	1.277	12.76	438.3	AC22 bin D	0.362	3.62	121.8
	AC16 surf S	0.247	2.47	83.4	ZA	0.965	9.63	243.5
	AC16 surf S	0.115	1.15	33.6	Rellenos	1.899	18.97	403.5
325.314	Suelo Cemento	1.277	6.78	445.1	AC22 bin D	0.362	1.92	123.7
	AC16 surf S	0.248	1.31	84.8	ZA	0.965	5.12	248.6
	AC16 surf S	0.115	0.61	34.2	Rellenos	1.899	10.08	413.6

Istram 18.05.05.29 17/01/19 19:15:31 1880 pagina 4

PROYECTO :

EJE: 21: Enlace Valoria La Buena: Ramal 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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Suelo Cemento	445.1
AC22 bin D	123.7
AC16 surf S	84.8
ZA	248.6
AC16 surf S	34.2
Rellenos	413.6

LISTADOS DE MEDICIÓN DEL ENLACE CABEZÓN

TIERRAS ENLACE CABEZÓN

Istram 18-05-05-29 12/07/18 16:02:53 459

pagina 1

PROYECTO :

EJE: 27: Enlace Cabezón de Pisuerga: Eje 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
*** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
0-000	FIRME	10·715	0·00	0·0	RELL PIE TERRA	0·104	0·00	0·0
	D TIERRA	10·879	0·00	0·0	S SEL2	9·887	0·00	0·0
	SUELO EST3	9·600	0·00	0·0	TERRAPLEN	23·310	0·00	0·0
	VEGETAL	7·853	0·00	0·0				
10-000	FIRME	5·673	81·94	81·9	RELL PIE TERRA	0·147	1·25	1·3
	D TIERRA	8·657	97·68	97·7	S SEL2	5·533	77·10	77·1
	SUELO EST3	5·245	74·23	74·2	TERRAPLEN	12·904	181·07	181·1
	VEGETAL	6·164	70·08	70·1				
20-000	FIRME	3·880	47·77	129·7	RELL PIE TERRA	0·378	2·62	3·9
	D TIERRA	7·707	81·82	179·5	S SEL2	3·982	47·58	124·7
	SUELO EST3	3·695	44·70	118·9	TERRAPLEN	1·166	70·35	251·4
	VEGETAL	3·850	50·07	120·2				
25-000	FIRME	3·701	18·95	148·7	RELL PIE TERRA	0·338	1·79	5·7
	D TIERRA	6·507	35·53	215·0	S SEL2	3·828	19·53	144·2
	SUELO EST3	3·540	18·09	137·0	TERRAPLEN	6·245	18·53	269·9
	VEGETAL	5·089	22·35	142·5				

Istram 18-05-05-29 12/07/18 16:02:53 459

pagina 2

PROYECTO :

EJE: 27: Enlace Cabezón de Pisuerga: Eje 1

***** RESUMEN DE VOLUMENES TOTALES * * *		

MATERIAL	VOLUMEN
FIRME	148·7
RELL PIE TERRA	5·7
D TIERRA	215·0
S SEL2	144·2
SUELO EST3	137·0
TERRAPLEN	269·9
VEGETAL	142·5

Istram 18-05-05-29 12/07/18 16:02:53 459

pagina 1

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
*** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
0-000	FIRME	10·766	0·00	0·0	RELL PIE TERRA	0·100	0·00	0·0
	S SEL2	9·836	0·00	0·0	SUELO EST3	9·546	0·00	0·0
	TERRAPLEN	97·225	0·00	0·0	VEGETAL	8·496	0·00	0·0
10-000	FIRME	6·317	82·43	82·4	RELL PIE TERRA	0·101	1·01	1·0
	S SEL2	6·027	76·67	76·7	SUELO EST3	5·741	73·87	73·9
	TERRAPLEN	67·325	874·23	874·2	VEGETAL	5·770	71·58	71·6
20-000	FIRME	5·131	56·75	139·2	RELL PIE TERRA	0·101	1·04	2·1
	S SEL2	4·991	54·59	131·3	SUELO EST3	4·704	51·74	125·6
	TERRAPLEN	60·651	677·94	1552·2	VEGETAL	5·009	55·37	127·0
30-000	FIRME	5·068	51·03	190·2	RELL PIE TERRA	0·102	1·05	3·1
	S SEL2	4·934	49·62	180·9	SUELO EST3	4·647	46·75	172·4
	TERRAPLEN	56·004	617·05	2169·2	VEGETAL	4·926	51·32	178·3
40-000	FIRME	5·068	50·74	241·0	RELL PIE TERRA	0·101	1·05	4·1
	S SEL2	4·934	49·36	230·2	SUELO EST3	4·647	46·49	218·9
	TERRAPLEN	51·799	568·58	2737·8	VEGETAL	4·892	50·56	228·8
50-000	FIRME	5·068	50·74	291·7	RELL PIE TERRA	0·102	1·04	5·2
	S SEL2	4·934	49·36	279·6	SUELO EST3	4·647	46·49	265·3
	TERRAPLEN	47·918	524·42	3262·2	VEGETAL	4·808	49·79	278·6

60-000	FIRME	5·067	50·73	342·4	RELL PIE TERRA	0·101	1·04	6·2
	S SEL2	4·934	49·36	328·9	SUELO EST3	4·647	46·48	311·8
	TERRAPLEN	42·726	475·75	3738·0	VEGETAL	4·676	48·57	327·2
70-000	FIRME	5·067	50·69	393·1	RELL PIE TERRA	0·100	1·03	7·3
	S SEL2	4·935	49·35	378·3	SUELO EST3	4·647	46·48	358·3
	TERRAPLEN	44·316	458·90	4196·9	VEGETAL	4·795	48·61	375·8
70-633	FIRME	5·067	3·21	396·3	RELL PIE TERRA	0·100	0·06	7·3
	S SEL2	4·934	3·12	381·4	SUELO EST3	4·648	2·94	361·2
	TERRAPLEN	43·903	29·59	4226·4	VEGETAL	4·788	3·12	378·9
80-000	FIRME	5·068	47·48	443·8	RELL PIE TERRA	0·099	0·91	8·2
	S SEL2	4·933	46·22	427·6	SUELO EST3	4·648	43·54	404·8
	TERRAPLEN	39·564	374·73	4601·2	VEGETAL	4·685	43·47	422·4
90-000	FIRME	5·067	50·71	494·5	RELL PIE TERRA	0·099	0·98	9·2
	S SEL2	4·935	49·35	477·0	SUELO EST3	4·647	46·48	451·3
	TERRAPLEN	23·558	302·82	4904·0	VEGETAL	4·273	44·01	466·4
100-000	FIRME	5·067	50·72	545·2	RELL PIE TERRA	0·100	0·98	10·2
	D TIERRA	0·147	0·78	0·8	S SEL2	4·914	49·25	526·2
	SUELO EST3	4·648	46·49	497·7	TERRAPLEN	13·663	178·07	5082·1
	VEGETAL	4·169	41·57	508·0				

Istram 18-05-05-29 12/07/18 16:02:53 459

pagina 2

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
*** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
110-000	FIRME	5·068	50·72	596·0	RELL PIE TERRA	0·114	1·05	11·2
	D TIERRA	1·336	7·70	8·5	S SEL2	4·776	48·40	574·6
	SUELO EST3	4·643	46·46	544·2	TERRAPLEN	5·883	92·58	5174·6
	VEGETAL	3·997	40·20	548·2				
120-000	FIRME	5·033	50·55	646·5	RELL PIE TERRA	0·105	1·08	12·3
	D TIERRA	3·511	24·90	33·4	S SEL2	4·595	46·73	621·4
	SUELO EST3	4·535	45·88	590·1	TERRAPLEN	1·372	34·19	5208·8
	VEGETAL	3·403	36·59	584·8				
130-000	FIRME	4·640	48·40	694·9	RELL PIE TERRA	0·110	1·07	13·4
	D TIERRA	7·427	55·23	88·6	S SEL2	4·177	43·72	665·1
	SUELO EST3	4·213	43·71	633·8	TERRAPLEN	0·000	6·49	5215·3
	VEGETAL	2·921	31·49	616·3				
140-000	FIRME	4·245	44·44	739·3	RELL PIE TERRA	0·122	1·17	14·5
	D TIERRA	8·535	80·00	168·6	S SEL2	4·046	41·10	706·2
	SUELO EST3	3·958	40·84	674·6	VEGETAL	2·792	28·56	644·8
149-047	FIRME	3·885	36·78	776·1	RELL PIE TERRA	0·058	0·81	15·4
	D TIERRA	8·373	76·54	245·1	S SEL2	3·379	33·59	739·8
	SUELO EST3	3·509	33·76	708·4	VEGETAL	2·427	23·61	668·4
150-000	FIRME	3·883	3·70	779·8	RELL PIE TERRA	0·058	0·06	15·4
	D TIERRA	8·386	7·99	253·1	S SEL2	3·360	3·21	743·0
	SUELO EST3	3·504	3·34	711·7	VEGETAL	2·421	2·31	670·7
150-449	FIRME	3·882	1·74	781·6	RELL PIE TERRA	0·057	0·03	15·4
	D TIERRA	8·362	3·76	256·9	S SEL2	3·346	1·51	744·5
	SUELO EST3	3·497	1·57	713·3	VEGETAL	2·416	1·09	671·8

Istram 18-05-05-29 12/07/18 16:02:53 459

pagina 3

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

***** RESUMEN DE VOLUMENES TOTALES * * *		

MATERIAL	VOLUMEN
FIRME	781·6
RELL PIE TERRA	15·4
D TIERRA	256·9
S SEL2	744·5
SUELO EST3	713·3
TERRAPLEN	5215·3

90-000	S SEL2	3-363	33-54	258-8	SUELO EST3	3-537	35-27	272-6
	VEGETAL	2-799	27-81	210-0				
	FIRME	4-426	44-15	383-1	D TIERRA	13-046	131-15	972-5
91-479	S SEL2	3-363	33-54	292-3	SUELO EST3	3-535	35-27	307-9
	VEGETAL	2-821	28-02	238-0				
	FIRME	4-426	6-53	389-6	D TIERRA	13-077	19-26	991-7
	S SEL2	3-363	4-96	297-3	SUELO EST3	3-535	5-22	313-1
	VEGETAL	2-824	4-16	242-2				

Istram 18-05-05-29 12/07/18 16:02:53 459

PROYECTO :

EJE: 29: Enlace Cabez□de Pisuerga: Ramal 1

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
100-000	FIRME	4-445	37-66	427-3	D TIERRA	13-130	111-11	1102-8
	S SEL2	3-360	28-53	325-8	SUELO EST3	3-533	30-00	343-1
	VEGETAL	2-847	24-06	266-2				
110-000	FIRME	4-468	44-30	471-6	D TIERRA	13-480	131-93	1234-8
	S SEL2	3-356	33-35	359-2	SUELO EST3	3-529	35-07	378-2
	VEGETAL	2-870	28-36	294-6				
120-000	FIRME	4-490	44-40	516-0	D TIERRA	13-719	134-27	1369-0
	S SEL2	3-353	33-22	392-4	SUELO EST3	3-525	34-92	413-1
	VEGETAL	2-893	28-48	323-1				
130-000	FIRME	4-513	44-50	560-5	D TIERRA	13-440	133-48	1502-5
	S SEL2	3-350	33-08	425-5	SUELO EST3	3-520	34-77	447-9
	VEGETAL	2-904	28-54	351-6				
140-000	FIRME	4-615	44-97	605-5	D TIERRA	13-471	131-63	1634-1
	S SEL2	3-416	33-27	458-8	SUELO EST3	3-588	34-96	482-8
	VEGETAL	2-951	28-71	380-3				
145-686	FIRME	4-717	26-06	631-5	D TIERRA	13-429	74-46	1708-6
	S SEL2	3-495	19-26	478-0	SUELO EST3	3-665	20-21	503-0
	VEGETAL	2-997	16-52	396-8				
150-000	FIRME	4-787	20-11	651-6	D TIERRA	12-930	55-23	1763-8
	S SEL2	3-555	14-88	492-9	SUELO EST3	3-724	15-59	518-6
	VEGETAL	3-028	12-67	409-5				
160-000	FIRME	4-945	47-66	699-3	D TIERRA	11-506	118-99	1882-8
	S SEL2	3-695	35-41	528-3	SUELO EST3	3-866	37-07	555-7
	VEGETAL	2-950	29-15	438-7				
170-000	FIRME	5-103	49-12	748-4	D TIERRA	12-295	116-35	1999-2
	S SEL2	3-835	36-71	565-0	SUELO EST3	4-006	38-38	594-1
	TERRAPLEN	0-001	0-01	1-2	VEGETAL	2-990	28-98	467-6
178-354	FIRME	5-237	42-15	790-6	D TIERRA	13-274	104-40	2103-6
	S SEL2	3-952	31-66	596-7	SUELO EST3	4-122	33-05	627-1
	TERRAPLEN	0-014	0-06	1-2	VEGETAL	3-044	24-56	492-2
180-000	FIRME	5-021	8-25	798-8	D TIERRA	12-914	21-08	2124-6
	S SEL2	3-824	6-23	602-9	SUELO EST3	3-995	6-51	633-6
	TERRAPLEN	0-021	0-03	1-3	VEGETAL	2-939	4-80	497-0
190-000	FIRME	4-994	49-08	847-9	D TIERRA	13-114	127-63	2252-3
	S SEL2	4-253	39-36	642-3	SUELO EST3	4-203	40-00	673-6
	TERRAPLEN	0-008	0-14	1-4	VEGETAL	3-053	29-26	526-3

Istram 18-05-05-29 12/07/18 16:02:53 459

PROYECTO :

EJE: 29: Enlace Cabez□de Pisuerga: Ramal 1

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
200-000	FIRME	4-796	48-05	895-9	D TIERRA	13-160	128-87	2381-1
	S SEL2	3-886	39-76	682-0	SUELO EST3	4-055	40-39	714-0
	TERRAPLEN	0-016	0-12	1-5	VEGETAL	2-833	28-81	555-1
210-000	FIRME	4-927	47-81	943-8	D TIERRA	12-328	125-16	2506-3
	S SEL2	4-220	39-75	721-8	SUELO EST3	4-274	40-86	754-9

220-000	TERRAPLEN	0-018	0-17	1-7	VEGETAL	3-003	28-65	583-7
	FIRME	4-849	48-27	992-0	D TIERRA	11-813	119-05	2625-4
	S SEL2	4-301	42-00	763-8	SUELO EST3	4-391	42-73	797-6
230-000	TERRAPLEN	0-000	0-09	1-8	VEGETAL	2-974	29-48	613-2
	FIRME	4-892	48-32	1040-3	D TIERRA	10-639	111-29	2736-6
	S SEL2	4-639	44-34	808-1	SUELO EST3	4-446	43-82	841-4
240-000	VEGETAL	3-140	30-32	643-5				
	FIRME	4-936	48-99	1089-3	D TIERRA	10-439	105-05	2841-7
	S SEL2	4-271	44-42	852-5	SUELO EST3	4-390	44-05	885-5
240-661	VEGETAL	2-965	30-43	674-0				
	FIRME	4-939	3-26	1092-6	D TIERRA	10-354	6-87	2848-6
	S SEL2	4-232	2-81	855-3	SUELO EST3	4-365	2-89	888-4
246-708	VEGETAL	2-949	1-95	675-9				
	FIRME	4-966	29-95	1122-5	D TIERRA	10-297	62-44	2911-0
	S SEL2	4-147	25-33	880-7	SUELO EST3	4-304	26-21	914-6
	VEGETAL	2-914	17-73	693-6				

Istram 18-05-05-29 12/07/18 16:02:53 459

PROYECTO :

EJE: 29: Enlace Cabez□de Pisuerga: Ramal 1

pagina 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	1122-5
D TIERRA	2911-0
S SEL2	880-7
SUELO EST3	914-6
TERRAPLEN	1-8
VEGETAL	693-6

Istram 18-05-05-29 12/07/18 16:02:53 459

PROYECTO :

EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
18-545	FIRME	4-677	0-00	0-0	D TIERRA	8-960	0-00	0-0
	S SEL2	3-611	0-00	0-0	SUELO EST3	3-785	0-00	0-0
	TERRAPLEN	0-021	0-00	0-0	VEGETAL	2-692	0-00	0-0
18-725	FIRME	4-675	0-80	0-8	D TIERRA	8-995	1-54	1-5
	S SEL2	3-609	0-61	0-6	SUELO EST3	3-783	0-64	0-6
	TERRAPLEN	0-021	0-00	0-0	VEGETAL	2-697	0-46	0-5
20-000	FIRME	4-708	5-66	6-5	D TIERRA	6-911	9-73	11-3
	S SEL2	3-779	4-42	5-0	SUELO EST3	3-942	4-62	5-3
	TERRAPLEN	0-040	0-04	0-0	VEGETAL	2-790	3-30	3-8
30-000	FIRME	4-232	42-08	48-5	D TIERRA	0-000	33-54	44-8
	S SEL2	4-190	37-24	42-3	SUELO EST3	3-903	36-67	41-9
	TERRAPLEN	54-214	246-45	246-5	VEGETAL	3-945	31-12	34-9
40-000	FIRME	4-278	40-07	88-6	S SEL2	4-223	39-47	81-7
	SUELO EST3	3-936	36-78	78-7	TERRAPLEN	65-089	555-64	802-1
	VEGETAL	4-719	40-32	75-2				
50-000	FIRME	4-187	40-36	129-0	S SEL2	4-130	39-69	121-4
	SUELO EST3	3-838	36-94	115-7	TERRAPLEN	57-431	586-30	1388-4
	VEGETAL	4-508	44-04	119-2				
60-000	FIRME	4-090	39-98	168-9	S SEL2	4-033	39-31	160-7
	SUELO EST3	3-738	36-49	152-1	TERRAPLEN	48-965	515-87	1904-3
	VEGETAL	4-237	42-31	161-5				
70-000	FIRME	3-992	39-47	208-4	S SEL2	3-948	38-89	199-6
	SUELO EST3	3-654	36-02	188-2	TERRAPLEN	46-503	468-17	2372-5
	VEGETAL	4-135	40-98	202-5				
80-000	FIRME	3-993	39-13	247-5	S SEL2	3-948	38-62	238-3
	SUELO EST3	3-654	35-74	223-9	TERRAPLEN	52-364	486-15	2858-6
	VEGETAL	4-297	41-40	243-9				
90-000	FIRME	3-993	39-13	286-7	S SEL2	3-948	38-62	276-9

100-000	SUELO EST3	3-654	35-74	259-7	TERRAPLEN	41-527	461-28	3319-9
	VEGETAL	3-992	40-66	284-6				
	FIRME	3-993	39-13	325-8	S SEL2	3-948	38-62	315-5
	SUELO EST3	3-654	35-74	295-4	TERRAPLEN	30-364	353-46	3673-4
110-000	VEGETAL	3-571	37-13	321-7				
	FIRME	3-993	39-13	364-9	S SEL2	3-942	38-59	354-1
	SUELO EST3	3-654	35-74	331-1	TERRAPLEN	20-719	252-07	3925-4
	VEGETAL	3-154	33-11	354-8				
Istram 18-05-05-29 12/07/18 16:02:53 459								
PROYECTO :								
EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2								

*** MEDICIONES DE LOS PERFILES TRANSVERSALES* **								
*** cubicacion segun distancias compensadas ***								

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-

120-000	FIRME	4-390	40-97	405-9	D TIERRA	1-392	6-51	51-3
	S SEL2	3-795	37-88	392-0	SUELO EST3	3-735	36-12	367-3
	TERRAPLEN	11-817	161-72	4087-2	VEGETAL	3-134	30-96	385-8
130-000	FIRME	4-390	42-82	448-7	D TIERRA	5-318	31-65	83-0
	S SEL2	3-794	37-19	429-1	SUELO EST3	3-735	36-50	403-8
	TERRAPLEN	5-463	86-60	4173-8	VEGETAL	3-033	30-25	416-0
140-000	FIRME	4-343	42-68	491-4	D TIERRA	6-971	58-64	141-6
	S SEL2	3-778	37-16	466-3	SUELO EST3	3-720	36-49	440-2
	TERRAPLEN	1-514	35-22	4209-0	VEGETAL	2-870	28-94	445-0
150-000	FIRME	4-296	42-39	533-8	D TIERRA	7-653	70-95	212-6
	S SEL2	3-721	36-92	503-2	SUELO EST3	3-704	36-47	476-7
	TERRAPLEN	0-036	7-84	4216-8	VEGETAL	2-678	27-26	472-2
160-000	FIRME	3-950	40-66	574-4	D TIERRA	6-922	71-61	284-2
	S SEL2	3-421	35-29	538-5	SUELO EST3	3-465	35-38	512-1
	TERRAPLEN	0-032	0-34	4217-2	VEGETAL	2-448	25-29	497-5
170-000	FIRME	3-863	38-71	613-2	D TIERRA	7-191	69-88	354-1
	S SEL2	3-319	33-42	571-9	SUELO EST3	3-431	34-18	546-3
	TERRAPLEN	0-051	0-41	4217-6	VEGETAL	2-346	23-76	521-3
180-000	FIRME	3-891	38-54	651-7	D TIERRA	6-846	69-80	423-9
	S SEL2	3-263	32-72	604-7	SUELO EST3	3-422	34-06	580-3
	TERRAPLEN	0-052	0-52	4218-1	VEGETAL	2-322	23-20	544-5
190-000	FIRME	3-910	38-90	690-6	D TIERRA	6-972	68-92	492-8
	S SEL2	3-163	32-04	636-7	SUELO EST3	3-326	33-64	614-0
	TERRAPLEN	0-031	0-42	4218-5	VEGETAL	2-267	22-88	567-4
200-000	FIRME	4-077	39-89	730-5	D TIERRA	7-215	70-86	563-6
	S SEL2	3-231	31-93	668-6	SUELO EST3	3-395	33-57	647-5
	TERRAPLEN	0-040	0-35	4218-8	VEGETAL	2-395	23-29	590-7
210-000	FIRME	4-032	40-50	771-0	D TIERRA	7-092	71-46	635-1
	S SEL2	3-226	32-25	700-9	SUELO EST3	3-380	33-84	681-4
	TERRAPLEN	0-040	0-40	4219-2	VEGETAL	2-377	23-84	614-5
220-000	FIRME	3-980	40-01	811-0	D TIERRA	7-035	70-55	705-6
	S SEL2	3-122	31-71	732-6	SUELO EST3	3-293	33-33	714-7
	TERRAPLEN	0-034	0-37	4219-6	VEGETAL	2-312	23-42	637-9
230-000	FIRME	3-764	38-68	849-7	D TIERRA	6-623	68-20	773-8
	S SEL2	2-850	29-83	762-4	SUELO EST3	3-023	31-54	746-3
	TERRAPLEN	0-001	0-18	4219-8	VEGETAL	2-077	21-92	659-8

Istram 18-05-05-29 12/07/18 16:02:53 459								
PROYECTO :								
EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2								

*** MEDICIONES DE LOS PERFILES TRANSVERSALES* **								
*** cubicacion segun distancias compensadas ***								

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-

240-000	FIRME	3-911	38-33	888-0	D TIERRA	6-600	66-02	839-9
	S SEL2	2-961	29-02	791-4	SUELO EST3	3-135	30-76	777-0
	TERRAPLEN	0-019	0-10	4219-9	VEGETAL	2-205	21-39	681-2
250-000	FIRME	3-961	39-32	927-3	D TIERRA	6-475	65-28	905-1
	S SEL2	3-016	29-85	821-3	SUELO EST3	3-189	31-59	808-6

260-000	TERRAPLEN	0-033	0-26	4220-2	VEGETAL	2-250	22-25	703-5
	FIRME	4-003	39-78	967-1	D TIERRA	6-234	63-44	968-6
	S SEL2	3-062	30-36	851-7	SUELO EST3	3-235	32-08	840-7
	TERRAPLEN	0-055	0-44	4220-6	VEGETAL	2-288	22-66	726-1
270-000	FIRME	4-022	40-08	1007-2	D TIERRA	5-813	60-13	1028-7
	S SEL2	3-091	30-73	882-4	SUELO EST3	3-264	32-46	873-1
	TERRAPLEN	0-092	0-74	4221-3	VEGETAL	2-312	22-97	749-1
	FIRME	4-001	40-07	1047-3	D TIERRA	5-231	55-13	1083-8
280-000	S SEL2	3-091	30-87	913-3	SUELO EST3	3-264	32-60	905-7
	TERRAPLEN	0-148	1-20	4222-5	VEGETAL	2-314	23-11	772-2
	FIRME	3-900	39-46	1086-7	D TIERRA	4-416	48-16	1132-0
	S SEL2	3-029	30-56	943-8	SUELO EST3	3-201	32-29	938-0
290-000	TERRAPLEN	0-208	1-78	4224-3	VEGETAL	2-258	22-83	795-0
	FIRME	3-739	38-15	1124-9	D TIERRA	3-649	40-26	1172-3
	S SEL2	2-935	29-79	973-6	SUELO EST3	3-108	31-52	969-6
	TERRAPLEN	0-242	2-25	4226-6	VEGETAL	2-126	21-90	816-9
300-000	FIRME	3-722	37-27	1162-1	D TIERRA	3-155	33-97	1206-2
	S SEL2	2-945	29-38	1003-0	SUELO EST3	3-116	31-09	1000-6
	TERRAPLEN	0-280	2-61	4229-2	VEGETAL	2-130	21-26	838-2
	FIRME	3-728	37-22	1199-4	D TIERRA	2-857	30-02	1236-3
310-000	S SEL2	2-972	29-56	1032-6	SUELO EST3	3-139	31-24	1031-9
	TERRAPLEN	0-327	3-04	4232-2	VEGETAL	2-143	21-35	859-5
	FIRME	3-734	37-28	1236-6	D TIERRA	2-618	27-34	1263-6
	S SEL2	2-993	29-80	1062-4	SUELO EST3	3-158	31-45	1063-3
320-000	TERRAPLEN	0-387	3-57	4235-8	VEGETAL	2-155	21-47	881-0
	FIRME	3-746	37-36	1274-0	D TIERRA	2-273	24-42	1288-0
	S SEL2	3-034	30-11	1092-5	SUELO EST3	3-197	31-74	1095-1
	TERRAPLEN	0-472	4-29	4240-1	VEGETAL	2-181	21-66	902-7
330-000	FIRME	3-749	37-44	1311-4	D TIERRA	1-856	20-62	1308-6
	S SEL2	3-091	30-60	1123-1	SUELO EST3	3-250	32-20	1127-3
	TERRAPLEN	0-589	5-30	4245-4	VEGETAL	2-211	21-94	924-6

Istram 18-05-05-29 12/07/18 16:02:53 459								
PROYECTO :								
EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2								

*** MEDICIONES DE LOS PERFILES TRANSVERSALES* **								
*** cubicacion segun distancias compensadas ***								

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-

360-000	FIRME	3-749	37-45	1348-9	D TIERRA	1-589	17-20	1325-8
	S SEL2	3-132	31-08	1154-1	SUELO EST3	3-283	32-63	1159-9
	TERRAPLEN	0-714	6-51	4251-9	VEGETAL	2-228	22-17	946-8
365-951	FIRME	3-748	22-29	1371-2	D TIERRA	1-381	8-82	1334-7
	S SEL2	3-144	18-66	1172-8	SUELO EST3	3-291	19-54	1179-5
	TERRAPLEN	0-789	4-47	4256-4	VEGETAL	2-233	13-26	960-0

Istram 18-05-05-29 12/07/18 16:02:53 459								
PROYECTO :								
EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2								

*** RESUMEN DE VOLUMENES TOTALES ***								

	MATERIAL	VOLUMEN						
-----		-----						
	FIRME	1371-2						
	D TIERRA	1334-7						
	S SEL2	1172-8						
	SUELO EST3	1179-5						
	TERRAPLEN	4256-4						
	VEGETAL	960-0						

Istram 18-05-05-29 12/07/18 16:02:54 459									pagina 1	
PROYECTO :										
EJE: 31: Enlace Cabezón de Pisuerga: Ramal 3										
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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0-000	FIRME	3-749	0-00	0-0	D TIERRA	1-793	0-00	0-0
	S SEL2	3-427	0-00	0-0	SUELO EST3	3-364	0-00	0-0
	TERRAPLEN	0-270	0-00	0-0	VEGETAL	2-370	0-00	0-0
10-000	FIRME	3-748	37-45	37-4	D TIERRA	2-259	20-24	20-2
	S SEL2	3-360	33-90	33-9	SUELO EST3	3-346	33-52	33-5
	TERRAPLEN	0-040	1-55	1-5	VEGETAL	2-327	23-46	23-5
20-000	FIRME	3-748	37-45	74-9	D TIERRA	2-664	24-59	44-8
	S SEL2	3-119	32-36	66-3	SUELO EST3	3-269	33-05	66-6
	TERRAPLEN	0-039	0-40	1-9	VEGETAL	2-222	22-72	46-2
30-000	FIRME	3-742	37-42	112-3	D TIERRA	3-122	28-90	73-7
	S SEL2	2-943	30-28	96-5	SUELO EST3	3-117	31-90	98-5
	TERRAPLEN	0-027	0-33	2-3	VEGETAL	2-139	21-78	68-0
40-000	FIRME	3-718	37-27	149-6	D TIERRA	3-964	35-39	109-1
	S SEL2	2-874	29-06	125-6	SUELO EST3	3-047	30-79	129-2
	TERRAPLEN	0-011	0-19	2-5	VEGETAL	2-093	21-14	89-1
50-000	FIRME	3-689	37-00	186-6	D TIERRA	4-586	42-71	151-8
	S SEL2	2-823	28-45	154-0	SUELO EST3	2-995	30-18	159-4
	TERRAPLEN	0-006	0-09	2-6	VEGETAL	2-059	20-74	109-8
60-000	FIRME	3-830	37-55	224-1	D TIERRA	5-472	50-24	202-1
	S SEL2	2-906	28-61	182-7	SUELO EST3	3-079	30-34	189-8
	TERRAPLEN	0-023	0-14	2-7	VEGETAL	2-180	21-17	131-0
70-000	FIRME	3-867	38-44	262-6	D TIERRA	6-085	57-72	259-8
	S SEL2	2-923	29-11	211-8	SUELO EST3	3-096	30-84	220-6
	TERRAPLEN	0-021	0-22	2-9	VEGETAL	2-196	21-86	152-9
80-000	FIRME	3-866	38-62	301-2	D TIERRA	5-804	59-37	319-2
	S SEL2	2-928	29-22	241-0	SUELO EST3	3-101	30-95	251-6
	TERRAPLEN	0-021	0-21	3-1	VEGETAL	2-189	21-90	174-8
90-000	FIRME	3-801	38-29	339-5	D TIERRA	5-277	55-34	374-5
	S SEL2	2-903	29-12	270-1	SUELO EST3	3-076	30-85	282-4
	TERRAPLEN	0-002	0-12	3-2	VEGETAL	2-112	21-48	196-3
100-000	FIRME	3-878	38-35	377-8	D TIERRA	5-047	51-56	426-1
	S SEL2	2-996	29-46	299-6	SUELO EST3	3-169	31-19	313-6
	TERRAPLEN	0-005	0-04	3-3	VEGETAL	2-174	21-41	217-7
110-000	FIRME	3-888	38-79	416-6	D TIERRA	4-748	48-92	475-0
	S SEL2	3-013	30-01	329-6	SUELO EST3	3-186	31-74	345-3
	TERRAPLEN	0-007	0-06	3-3	VEGETAL	2-185	21-77	239-4
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*** MEDICIONES DE LOS PERFILES TRANSVERSALES***								
*** cubicacion segun distancias compensadas ***								
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

120-000	FIRME	3-903	38-91	455-5	D TIERRA	4-073	44-06	519-0
	S SEL2	3-121	30-63	360-2	SUELO EST3	3-290	32-34	377-7
	TERRAPLEN	0-022	0-15	3-5	VEGETAL	2-245	22-13	261-6
130-000	FIRME	3-914	39-04	494-6	D TIERRA	3-466	37-65	556-7
	S SEL2	3-118	31-16	391-4	SUELO EST3	3-291	32-87	410-5
	TERRAPLEN	0-029	0-25	3-7	VEGETAL	2-251	22-46	284-0
140-000	FIRME	3-919	39-12	533-7	D TIERRA	2-898	31-78	588-5
	S SEL2	3-187	31-49	422-9	SUELO EST3	3-356	33-19	443-7
	TERRAPLEN	0-040	0-34	4-1	VEGETAL	2-288	22-67	306-7
150-000	FIRME	3-919	39-14	572-9	D TIERRA	2-636	27-64	616-1
	S SEL2	3-249	32-14	455-0	SUELO EST3	3-409	33-78	477-5
	TERRAPLEN	0-040	0-40	4-5	VEGETAL	2-314	22-98	329-7
160-000	FIRME	3-919	39-14	612-0	D TIERRA	1-686	21-58	637-7
	S SEL2	3-371	33-06	488-1	SUELO EST3	3-487	34-44	512-0
	TERRAPLEN	0-040	0-40	4-9	VEGETAL	2-365	23-36	353-0
170-000	FIRME	3-919	39-15	651-1	D TIERRA	0-683	11-83	649-5
	S SEL2	3-501	34-32	522-4	SUELO EST3	3-534	35-07	547-0
	TERRAPLEN	0-056	0-48	5-4	VEGETAL	2-419	23-89	376-9
180-000	FIRME	3-919	39-15	690-3	D TIERRA	1-409	10-44	660-0
	S SEL2	3-622	35-58	558-0	SUELO EST3	3-551	35-38	582-4

Istram 18-05-05-29 12/07/18 16:02:54 459 pagina 2
PROYECTO :
EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3

190-000	TERRAPLEN	0-038	0-47	5-8	VEGETAL	2-471	24-42	401-4
	FIRME	3-919	39-15	729-4	D TIERRA	1-340	13-73	673-7
	S SEL2	3-786	37-00	595-0	SUELO EST3	3-552	35-47	617-9
200-000	TERRAPLEN	0-749	3-94	9-8	VEGETAL	2-638	25-52	426-9
	FIRME	3-919	39-14	768-6	D TIERRA	0-056	6-97	680-7
	S SEL2	3-839	38-08	633-1	SUELO EST3	3-552	35-48	653-4
210-000	TERRAPLEN	2-275	15-12	24-9	VEGETAL	2-918	27-75	454-6
	FIRME	3-919	39-14	807-7	D TIERRA	0-000	0-28	680-9
	S SEL2	3-839	38-35	671-4	SUELO EST3	3-552	35-48	688-9
217-451	TERRAPLEN	4-935	36-01	60-9	VEGETAL	3-171	30-41	485-0
	FIRME	3-919	29-17	836-9	S SEL2	3-839	28-57	700-0
	SUELO EST3	3-552	26-44	715-3	TERRAPLEN	6-651	43-11	104-0
220-000	VEGETAL	3-337	24-22	509-3				
	FIRME	3-919	9-99	846-9	S SEL2	3-839	9-79	709-8
	SUELO EST3	3-552	9-05	724-3	TERRAPLEN	7-020	17-42	121-4
	VEGETAL	3-379	8-56	517-8				
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Istram 18-05-05-29 12/07/18 16:02:54 459 pagina 3								
PROYECTO :								
EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3								
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*** MEDICIONES DE LOS PERFILES TRANSVERSALES***								
*** cubicacion segun distancias compensadas ***								
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

230-000	FIRME	3-919	39-19	886-1	S SEL2	3-838	38-39	748-1
	SUELO EST3	3-552	35-52	759-9	TERRAPLEN	8-175	75-97	197-4
	VEGETAL	3-575	34-77	552-6				
240-000	FIRME	3-977	39-48	925-5	S SEL2	3-890	38-64	786-8
	SUELO EST3	3-603	35-77	795-6	TERRAPLEN	10-852	95-13	292-5
	VEGETAL	3-878	37-26	589-8				
250-000	FIRME	4-136	40-56	966-1	S SEL2	4-029	39-60	826-4
	SUELO EST3	3-743	36-73	832-4	TERRAPLEN	17-528	141-90	434-4
	VEGETAL	4-295	40-87	630-7				
260-000	FIRME	4-294	42-15	1008-3	S SEL2	4-169	40-99	867-4
	SUELO EST3	3-882	38-13	870-5	TERRAPLEN	25-779	216-54	651-0
	VEGETAL	4-731	45-13	675-8				
266-365	FIRME	4-396	27-66	1035-9	S SEL2	4-259	26-82	894-2
	SUELO EST3	3-971	24-99	895-5	TERRAPLEN	31-458	182-16	833-1
	VEGETAL	5-010	31-00	706-8				
270-000	FIRME	4-396	14-88	1050-8	S SEL2	4-259	14-42	908-6
	SUELO EST3	3-971	13-44	908-9	TERRAPLEN	34-223	108-06	941-2
	VEGETAL	5-122	17-05	723-9				
280-000	FIRME	4-357	40-77	1091-6	S SEL2	4-232	39-55	948-2
	SUELO EST3	3-946	36-88	945-8	TERRAPLEN	38-407	326-14	1267-3
	VEGETAL	5-325	48-29	772-2				
290-000	FIRME	4-301	40-38	1131-9	S SEL2	4-199	39-31	987-5
	SUELO EST3	3-912	36-64	982-4	TERRAPLEN	35-085	322-31	1589-6
	VEGETAL	5-162	48-73	820-9				
300-000	FIRME	4-299	40-14	1172-1	S SEL2	4-211	39-23	1026-7
	SUELO EST3	3-924	36-55	1019-0	TERRAPLEN	35-931	301-96	1891-6
	VEGETAL	4-190	42-54	863-5				
310-000	FIRME	4-344	40-30	1212-4	S SEL2	4-263	39-48	1066-2
	SUELO EST3	3-976	36-81	1055-8	TERRAPLEN	37-657	308-06	2199-7
	VEGETAL	4-289	37-11	900-6				
320-000	FIRME	4-429	40-82	1253-2	S SEL2	4-351	40-03	1106-2
	SUELO EST3	4-064	37-37	1093-2	TERRAPLEN	37-100	311-51	2511-2
	VEGETAL	4-428	37-94	938-5				
323-520	FIRME	4-472	14-54	1267-7	S SEL2	4-390	14-27	1120-5
	SUELO EST3	4-103	13-33	1106-5	TERRAPLEN	37-036	108-52	2619-7
	VEGETAL	4-476	13-58	952-1				
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Istram 18-05-05-29 12/07/18 16:02:54 459 pagina 4								
PROYECTO :								
EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3								
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*** RESUMEN DE VOLUMENES TOTALES ***								
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MATERIAL	VOLUMEN
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FIRME	1267.7
D TIERRA	680.9
S SEL2	1120.5
SUELO EST3	1106.5
TERRAPLEN	2619.7
VEGETAL	952.1

Istram 18-05-05-29 12/07/18 16:02:54 459

PROYECTO :

EJE: 32: Enlace Cabez◻de Pisuerga: Ramal 4

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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19-369	FIRME	4.020	0.00	0.0	S SEL2	3.951	0.00	0.0
	SUELO EST3	3.663	0.00	0.0	TERRAPLEN	115.878	0.00	0.0
	VEGETAL	5.103	0.00	0.0				
20-000	FIRME	4.006	2.49	2.5	S SEL2	3.936	2.45	2.4
	SUELO EST3	3.650	2.27	2.3	TERRAPLEN	114.247	70.44	70.4
	VEGETAL	5.056	3.10	3.1				
30-000	FIRME	3.881	38.81	41.3	S SEL2	3.820	38.17	40.6
	SUELO EST3	3.532	35.34	37.6	TERRAPLEN	87.993	978.45	1048.9
	VEGETAL	4.485	46.01	49.1				
40-000	FIRME	3.887	38.26	79.6	S SEL2	3.859	37.81	78.4
	SUELO EST3	3.572	34.98	72.6	TERRAPLEN	66.207	741.03	1789.9
	VEGETAL	4.308	42.31	91.4				
50-000	FIRME	3.791	37.82	117.4	S SEL2	3.834	37.87	116.3
	SUELO EST3	3.548	35.05	107.6	TERRAPLEN	49.618	553.34	2343.3
	VEGETAL	4.258	41.25	132.7				
60-000	FIRME	3.767	37.23	154.6	S SEL2	3.825	37.70	154.0
	SUELO EST3	3.540	34.89	142.5	TERRAPLEN	36.564	410.87	2754.1
	VEGETAL	4.137	40.52	173.2				
70-000	FIRME	3.753	37.04	191.6	S SEL2	3.821	37.62	191.6
	SUELO EST3	3.535	34.82	177.4	TERRAPLEN	28.955	312.65	3066.8
	VEGETAL	4.030	39.52	212.7				
80-000	FIRME	3.753	36.97	228.6	S SEL2	3.821	37.60	229.2
	SUELO EST3	3.536	34.80	212.2	TERRAPLEN	25.055	259.15	3325.9
	VEGETAL	4.658	42.42	255.1				
90-000	FIRME	3.754	36.97	265.6	S SEL2	3.821	37.60	266.8
	SUELO EST3	3.535	34.80	247.0	TERRAPLEN	20.143	218.86	3544.8
	VEGETAL	4.301	44.02	299.1				
100-000	FIRME	3.754	36.98	302.6	S SEL2	3.821	37.60	304.4
	SUELO EST3	3.534	34.79	281.7	TERRAPLEN	13.927	166.07	3710.9
	VEGETAL	3.941	40.50	339.6				
110-000	FIRME	3.754	36.98	339.5	D TIERRA	0.131	0.64	0.6
	S SEL2	3.821	37.60	342.0	SUELO EST3	3.536	34.79	316.5
	TERRAPLEN	8.543	109.76	3820.6	VEGETAL	3.597	37.04	376.7
111-066	FIRME	3.753	3.94	343.5	D TIERRA	0.133	0.14	0.8
	S SEL2	3.821	4.01	346.0	SUELO EST3	3.535	3.71	320.2
	TERRAPLEN	8.135	8.70	3829.3	VEGETAL	3.563	3.75	380.4

Istram 18-05-05-29 12/07/18 16:02:54 459

PROYECTO :

EJE: 32: Enlace Cabez◻de Pisuerga: Ramal 4

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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120-000	FIRME	3.755	33.07	376.5	D TIERRA	0.154	1.25	2.0
	S SEL2	3.815	33.60	379.6	SUELO EST3	3.530	31.10	351.3
	TERRAPLEN	5.457	59.50	3888.8	VEGETAL	3.299	30.15	410.6
130-000	FIRME	3.757	37.11	413.7	D TIERRA	0.544	3.42	5.4
	S SEL2	3.809	37.64	417.3	SUELO EST3	3.525	34.83	386.2

140-000	TERRAPLEN	3.132	42.11	3930.9	VEGETAL	3.038	31.23	441.8
	FIRME	3.759	37.21	450.9	D TIERRA	2.298	14.04	19.5
	S SEL2	3.804	37.67	454.9	SUELO EST3	3.520	34.86	421.0
150-000	TERRAPLEN	1.467	22.49	3953.4	VEGETAL	2.812	28.90	470.7
	FIRME	3.788	37.44	488.3	D TIERRA	4.442	33.40	52.9
	S SEL2	3.647	36.94	491.9	SUELO EST3	3.522	34.92	456.0
160-000	TERRAPLEN	0.284	8.56	3962.0	VEGETAL	2.612	26.86	497.6
	FIRME	3.864	38.04	526.3	D TIERRA	6.163	52.67	105.6
	S SEL2	3.458	35.28	527.2	SUELO EST3	3.402	34.40	490.3
	TERRAPLEN	0.067	1.72	3963.7	VEGETAL	2.446	25.11	522.7
170-000	FIRME	3.860	38.46	564.8	D TIERRA	7.589	68.46	174.0
	S SEL2	3.352	33.88	561.0	SUELO EST3	3.312	33.42	523.8
	TERRAPLEN	0.017	0.41	3964.1	VEGETAL	2.346	23.85	546.5
180-000	FIRME	4.322	40.84	605.6	D TIERRA	10.075	88.16	262.2
	S SEL2	3.204	32.71	593.7	SUELO EST3	3.375	33.37	557.1
	TERRAPLEN	0.021	0.19	3964.3	VEGETAL	2.422	23.80	570.3
184-538	FIRME	4.455	19.91	625.5	D TIERRA	11.113	48.06	310.2
	S SEL2	3.250	14.64	608.4	SUELO EST3	3.423	15.42	572.6
	TERRAPLEN	0.035	0.13	3964.4	VEGETAL	2.534	11.24	581.6
190-000	FIRME	4.490	24.45	650.0	D TIERRA	11.917	62.95	373.2
	S SEL2	3.246	17.75	626.1	SUELO EST3	3.418	18.70	591.3
	TERRAPLEN	0.035	0.19	3964.6	VEGETAL	2.547	13.89	595.5
200-000	FIRME	4.512	45.05	695.0	D TIERRA	12.140	120.38	493.5
	S SEL2	3.221	32.36	658.5	SUELO EST3	3.393	34.09	625.3
	TERRAPLEN	0.036	0.35	3965.0	VEGETAL	2.540	25.46	620.9
210-000	FIRME	4.538	45.29	740.3	D TIERRA	12.153	121.55	615.1
	S SEL2	3.241	32.33	690.8	SUELO EST3	3.414	34.06	659.4
	TERRAPLEN	0.037	0.36	3965.3	VEGETAL	2.558	25.51	646.4
220-000	FIRME	4.529	45.38	785.7	D TIERRA	12.210	121.91	737.0
	S SEL2	3.234	32.40	723.2	SUELO EST3	3.407	34.13	693.5
	TERRAPLEN	0.037	0.37	3965.7	VEGETAL	2.550	25.56	672.0

Istram 18-05-05-29 12/07/18 16:02:54 459

PROYECTO :

EJE: 32: Enlace Cabez◻de Pisuerga: Ramal 4

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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230-000	FIRME	4.539	45.38	831.1	D TIERRA	12.380	123.04	860.0
	S SEL2	3.241	32.40	755.6	SUELO EST3	3.414	34.13	727.7
	TERRAPLEN	0.037	0.37	3966.1	VEGETAL	2.555	25.54	697.5
240-000	FIRME	4.553	45.50	876.6	D TIERRA	12.517	124.58	984.6
	S SEL2	3.251	32.49	788.1	SUELO EST3	3.425	34.22	761.9
	TERRAPLEN	0.036	0.37	3966.4	VEGETAL	2.567	25.63	723.2
250-000	FIRME	4.363	44.62	921.2	D TIERRA	12.193	123.64	1108.3
	S SEL2	3.163	32.10	820.2	SUELO EST3	3.336	33.83	795.7
	TERRAPLEN	0.020	0.28	3966.7	VEGETAL	2.437	25.04	748.2
260-000	FIRME	4.444	44.08	965.3	D TIERRA	11.568	118.89	1227.2
	S SEL2	3.200	31.84	852.1	SUELO EST3	3.373	33.57	829.3
	TERRAPLEN	0.021	0.20	3966.9	VEGETAL	2.462	24.51	772.7
270-000	FIRME	4.444	44.48	1009.8	D TIERRA	10.476	110.29	1337.4
	S SEL2	3.292	32.49	884.5	SUELO EST3	3.466	34.23	863.5
	TERRAPLEN	0.033	0.27	3967.2	VEGETAL	2.522	24.94	797.6
280-000	FIRME	4.395	44.24	1054.0	D TIERRA	9.690	100.89	1438.3
	S SEL2	3.602	34.50	919.0	SUELO EST3	3.549	35.11	898.6
	TERRAPLEN	0.306	1.70	3968.9	VEGETAL	2.785	26.56	824.2
290-000	FIRME	4.358	43.81	1097.8	D TIERRA	8.289	89.94	1528.3
	S SEL2	3.568	35.88	954.9	SUELO EST3	3.516	35.35	934.0
	TERRAPLEN	1.001	6.55	3975.4	VEGETAL	2.759	27.75	851.9
300-000	FIRME	4.343	43.54	1141.4	D TIERRA	7.411	78.53	1606.8
	S SEL2	3.555	35.65	990.6	SUELO EST3	3.503	35.12	969.1
	TERRAPLEN	0.498	7.52	3983.0	VEGETAL	2.726	27.45	879.4
310-000	FIRME	4.344	43.47	1184.8	D TIERRA	6.885	71.50	1678.3
	S SEL2	3.558	35.60	1026.2	SUELO EST3	3.505	35.07	1004.2
	TERRAPLEN	0.243	3.71	3986.7	VEGETAL	2.646	26.88	906.3
320-000	FIRME	4.346	43.49	1228.3	D TIERRA	6.566	67.27	1745.6

	S SEL2	3-562	35-64	1061-8	SUELO EST3	3-509	35-10	1039-3
	TERRAPLEN	0-340	2-92	3989-6	VEGETAL	2-662	26-56	932-8
330-000	FIRME	4-349	43-52	1271-8	D TIERRA	6-212	63-90	1809-5
	S SEL2	3-566	35-68	1097-5	SUELO EST3	3-514	35-15	1074-4
	TERRAPLEN	0-466	4-04	3993-6	VEGETAL	2-680	26-74	959-6
340-000	FIRME	4-352	43-55	1315-4	D TIERRA	5-983	60-98	1870-4
	S SEL2	3-572	35-72	1133-2	SUELO EST3	3-517	35-19	1109-6
	TERRAPLEN	0-623	5-46	3999-1	VEGETAL	2-699	26-92	986-5

Istram 18-05-05-29 12/07/18 16:02:54 459 pagina 4

PROYECTO :

EJE: 32: Enlace Cabez◻de Pisuerga: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
350-000	FIRME	4-354	43-57	1359-0	D TIERRA	5-777	58-80	1929-2
	S SEL2	3-576	35-78	1169-0	SUELO EST3	3-523	35-23	1144-8
	TERRAPLEN	0-806	7-16	4006-3	VEGETAL	2-718	27-11	1013-6
360-000	FIRME	4-357	43-60	1402-6	D TIERRA	6-040	59-08	1988-3
	S SEL2	3-581	35-82	1204-8	SUELO EST3	3-526	35-28	1180-1
	TERRAPLEN	1-005	9-08	4015-3	VEGETAL	2-748	27-36	1041-0
370-000	FIRME	4-372	43-69	1446-2	D TIERRA	6-506	62-73	2051-0
	S SEL2	3-584	35-86	1240-7	SUELO EST3	3-530	35-31	1215-4
	TERRAPLEN	1-036	10-23	4025-6	VEGETAL	2-762	27-58	1068-5
380-000	FIRME	4-387	43-84	1490-1	D TIERRA	7-801	71-54	2122-6
	S SEL2	3-221	34-06	1274-7	SUELO EST3	3-394	34-65	1250-1
	TERRAPLEN	0-035	5-37	4030-9	VEGETAL	2-465	26-16	1094-7
382-219	FIRME	4-390	9-75	1499-8	D TIERRA	7-806	17-32	2139-9
	S SEL2	3-221	7-15	1281-9	SUELO EST3	3-395	7-54	1257-6
	TERRAPLEN	0-035	0-08	4031-0	VEGETAL	2-466	5-47	1100-2

Istram 18-05-05-29 12/07/18 16:02:54 459 pagina 5

PROYECTO :

EJE: 32: Enlace Cabez◻de Pisuerga: Ramal 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	1499-8
D TIERRA	2139-9
S SEL2	1281-9
SUELO EST3	1257-6
TERRAPLEN	4031-0
VEGETAL	1100-2

DESBROCE ENLACE CABEZÓN

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 27: Enlace Cabezón de Pisuerga: Eje 1

*** DESBROCES ***												
*** cubicacion segun distancias compensadas ***												

PK inicial		:	0-000									
PK final		:	70-000									
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL						
P-K: -----												
DESMONTE		TERRAPLEN			DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
----- PLANTA- --REAL--		----- PLANTA- --REAL--			-----		-----		-----		-----	
0-000	15-584	15-661	23-871	25-044	0-000	0-000	0-000	0-000	0-000	0-000	0-000	0-000
10-000	13-237	13-427	17-750	19-885	144-102	208-103	145-441	224-645				
20-000	14-190	14-828	5-186	5-819	281-234	322-784	286-717	353-167				
25-000	12-402	13-047	13-171	15-085	347-714	368-677	356-403	405-427				

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

DESBROCES												

*** cubicacion segun distancias compensadas ***												

PK inicial		:		0-000								
PK final		:		150-449								
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P-K.	-----											
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	-PLANTA-	--REAL--	-PLANTA-	--REAL--								
0-000	0-998	0-998	41-682	43-063	0-000	0-000	0-000	0-000	0-000	0-000	0-000	0-000
10-000	1-013	1-014	28-033	29-221	10-116	349-780	10-118	362-593				
20-000	1-011	1-011	24-227	25-286	20-503	618-269	20-509	642-303				
30-000	1-021	1-022	23-800	24-685	30-979	866-427	30-992	900-201				
40-000	1-014	1-015	23-640	24-497	41-434	1110-758	41-454	1153-308				
50-000	1-019	1-019	23-216	24-018	51-845	1351-291	51-872	1402-215				
60-000	1-012	1-012	22-564	23-244	62-225	1585-780	62-258	1644-197				
70-000	0-997	0-997	23-180	23-932	72-522	1820-590	72-558	1886-310				
70-633	0-996	0-996	23-147	23-891	73-171	1835-688	73-207	1901-894				
80-000	0-993	0-993	22-633	23-379	82-299	2045-743	82-335	2118-812				
90-000	0-993	0-994	20-572	20-982	92-055	2258-004	92-094	2336-737				
100-000	0-995	0-995	20-047	20-428	101-843	2458-042	101-883	2540-587				
110-000	1-140	1-160	19-025	19-392	112-306	2650-460	112-435	2736-554				
120-000	3-576	3-582	13-628	13-701	136-287	2811-257	136-531	2899-430				
130-000	12-643	12-672	2-140	2-148	218-294	2888-515	218-712	2977-080				
140-000	13-621	13-739	0-508	0-527	349-958	2901-385	351-130	2990-090				
149-047	12-308	12-372	0-000	0-000	467-142	2903-796	469-145	2992-588				
150-000	12-276	12-335	0-000	0-000	478-857	2903-796	480-918	2992-588				
150-449	12-252	12-308	0-000	0-000	484-363	2903-796	486-450	2992-588				

Istram 18-05-05-29 12/07/18 16:02:52 459

pagina 1

PROYECTO :

EJE: 26: Enlace Cabezón de Pisuerga: Glorieta Izq.

*** DESBROCES ***															
*** cubicacion segun distancias compensadas ***															

PK inicial		:	0-000												
PK final		:	188-496												
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL							
P-K. -----															
DESMONTE				TERRAPLEN				DESMONTE				TERRAPLEN			
----- PLANTA- --REAL--				----- PLANTA- --REAL--				-----				-----			

0-000	0-500	0-500	42-263	43-964	0-000	0-000	0-000	0-000
10-000	0-500	0-500	42-573	44-013	7-112	299-883	7-112	303-431
30-000	0-565	0-572	41-200	41-569	22-058	884-863	22-153	895-119
40-000	0-505	0-505	33-985	33-990	28-843	1122-564	28-986	1134-377
50-000	6-273	6-280	36-004	37-365	58-608	1340-867	58-785	1360-015
60-000	13-143	13-147	20-996	21-011	145-881	1499-659	146-107	1526-151
70-000	11-768	11-770	21-400	21-403	259-783	1574-558	260-033	1601-080
80-000	0-509	0-510	33-805	33-810	316-190	1707-955	316-449	1734-504
90-000	0-517	0-517	35-211	35-259	322-136	1906-505	322-402	1933-279
100-000	1-161	1-282	38-772	39-369	332-803	2135-096	333-864	2165-525
110-000	0-500	0-500	40-278	41-232	343-793	2395-567	345-645	2434-828
120-000	0-524	0-526	34-923	34-985	350-244	2632-400	352-105	2677-274
130-000	0-513	0-513	34-002	34-031	356-246	2830-380	358-118	2875-601
140-000	0-500	0-500	41-330	41-984	362-639	3069-074	364-514	3116-241
150-000	0-500	0-500	41-363	42-545	369-572	3354-000	371-447	3404-848
160-000	0-500	0-500	41-488	43-036	376-519	3640-016	378-393	3694-497
170-000	0-500	0-500	41-704	43-448	383-493	3928-387	385-368	3986-385
180-000	0-500	0-500	42-000	43-794	390-510	4220-318	392-385	4281-771
188-496	0-500	0-500	42-263	43-964	396-512	4471-674	398-387	4536-067

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 29: Enlace Cabezón de Pisuerga: Ramal 1

*** DESBROCES ***													
*** cubicacion segun distancias compensadas ***													

PK inicial		:		0-000									
PK final		:		246-708									
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL					
P-K	-----					-----					-----		
	DESMONTE		TERRAPLEN			DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-----	-----	-----	-----		-----	-----	-----	-----	-----	-----	-----	-----
0-000	10-775	11-011	1-962	2-124	0-000	0-000	0-000	0-000	0-000	0-000	0-000	0-000	0-000
0-080	10-777	11-013	1-961	2-122	0-861	0-157	0-880	0-170					
10-000	10-934	11-179	1-782	1-935	108-226	18-652	110-617	20-214					
20-000	11-214	11-491	1-477	1-577	218-627	34-886	223-617	37-705					
30-000	11-598	11-899	1-219	1-277	332-339	48-315	340-204	51-924					
40-000	12-141	12-466	0-905	0-931	450-674	58-894	461-651	62-924					
50-000	13-265	13-592	0-190	0-192	577-316	64-346	591-533	68-519					
60-000	13-958	14-242	0-000	0-000	713-022	65-293	730-281	69-476					
70-000	14-090	14-366	0-000	0-000	852-854	65-293	872-903	69-476					
80-000	14-199	14-466	0-000	0-000	993-888	65-293	1016-640	69-476					
90-000	14-308	14-598	0-000	0-000	1136-010	65-293	1161-526	69-476					
91-479	14-326	14-626	0-000	0-000	1157-124	65-293	1183-073	69-476					
100-000	14-441	14-782	0-000	0-000	1279-143	65-293	1307-794	69-476					
110-000	14-556	14-926	0-000	0-000	1422-990	65-293	1455-132	69-476					
120-000	14-673	15-045	0-000	0-000	1567-434	65-293	1603-192	69-476					
130-000	14-728	15-092	0-000	0-000	1712-170	65-293	1751-487	69-476					
140-000	14-964	15-328	0-000	0-000	1857-730	65-293	1900-533	69-476					
145-686	15-195	15-571	0-000	0-000	1941-468	65-293	1986-270	69-476					
150-000	15-350	15-716	0-000	0-000	2005-685	65-293	2052-007	69-476					
160-000	14-653	14-937	0-316	0-345	2152-006	66-797	2201-432	71-120					
170-000	15-153	15-323	0-000	0-000	2297-438	68-302	2349-044	72-763					
178-354	15-353	15-478	0-000	0-000	2421-626	68-302	2474-411	72-763					
180-000	14-785	14-905	0-000	0-000	2445-816	68-302	2498-793	72-763					
190-000	13-790	13-982	1-515	1-598	2585-744	75-340	2640-207	80-191					
200-000	14-165	14-317	0-000	0-000	2722-860	82-473	2778-975	87-720					
210-000	15-016	15-141	0-000	0-000	2866-124	82-473	2923-576	87-720					
220-000	14-871	15-014	0-000	0-000	3013-516	82-473	3072-279	87-720					
230-000	14-720	14-893	0-977	1-007	3160-204	87-385	3220-534	92-780					
240-000	14-824	14-929	0-000	0-000	3307-466	92-279	3369-183	97-823					
240-661	14-743	14-835	0-000	0-000	3317-236	92-279	3379-018	97-823					
246-708	14-570	14-630	0-000	0-000	3405-863	92-279	3468-106	97-823					

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 30: Enlace Cabeza de Pisuerga: Ramal 2

D E S B R O C E S									

*** cubicacion segun distancias compensadas ***									

PK inicial		:	0-000						
PK final		:	365-951						
ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P-K:	-----								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	-PLANTA-	--REAL--	-PLANTA-	--REAL--			DESMONTE	TERRAPLEN	

18-545	13-462	13-471	0-000	0-000	0-000	0-000	0-000	0-000	
18-725	13-488	13-497	0-000	0-000	2-297	0-000	2-298	0-000	
20-000	8-844	8-867	5-105	5-119	16-040	2-779	16-060	2-787	
30-000	0-000	0-000	19-724	20-120	59-960	114-438	60-090	116-497	
40-000	0-000	0-000	23-594	23-611	59-960	316-041	60-090	320-183	
50-000	0-000	0-000	22-536	22-536	59-960	536-208	60-090	540-442	
60-000	0-000	0-000	21-186	21-186	59-960	747-739	60-090	751-973	
70-000	0-000	0-000	20-676	20-678	59-960	952-638	60-090	956-884	
80-000	0-000	0-000	21-482	21-482	59-960	1159-618	60-090	1163-876	
90-000	0-000	0-000	19-957	19-957	59-960	1362-887	60-090	1367-144	
100-000	0-000	0-000	17-854	17-896	59-960	1548-517	60-090	1552-969	
110-000	0-000	0-000	15-768	15-920	59-960	1714-076	60-090	1719-430	
120-000	2-630	2-714	13-042	13-242	72-219	1856-615	72-739	1863-631	
130-000	5-994	6-052	9-171	9-322	112-784	1967-321	113-973	1976-028	
140-000	7-941	7-981	6-407	6-481	179-205	2045-596	180-866	2055-410	
150-000	9-719	9-737	3-671	3-715	264-694	2096-397	266-639	2106-803	
160-000	10-579	10-621	1-662	1-708	364-221	2123-319	366-464	2134-183	
170-000	10-497	10-670	1-233	1-326	468-469	2137-853	471-780	2149-417	
180-000	9-064	9-206	2-509	2-597	565-735	2156-413	570-612	2168-885	
190-000	9-121	9-319	2-213	2-292	656-464	2179-904	663-038	2193-210	
200-000	10-151	10-396	1-826	1-916	752-736	2200-060	761-528	2214-206	
210-000	10-134	10-354	1-749	1-885	854-062	2217-908	865-180	2233-179	
220-000	10-272	10-471	1-287	1-446	955-980	2233-075	969-188	2249-820	
230-000	9-003	9-135	1-382	1-568	1052-234	2246-422	1067-099	2264-892	
240-000	9-429	9-553	1-596	1-807	1144-270	2261-318	1160-419	2281-770	
250-000	9-404	9-523	1-847	2-074	1238-304	2278-534	1255-666	2301-175	
260-000	9-354	9-469	2-085	2-328	1331-964	2298-191	1350-488	2323-182	
270-000	9-271	9-357	2-292	2-564	1424-957	2320-070	1444-484	2347-636	
280-000	7-695	7-762	3-877	4-174	1509-653	2350-909	1529-946	2381-322	
290-000	6-097	6-139	5-191	5-506	1578-481	2396-249	1599-318	2429-726	
300-000	5-197	5-219	5-436	5-767	1634-832	2449-388	1655-992	2486-096	
310-000	4-808	4-808	5-840	6-157	1684-752	2505-770	1706-026	2545-719	
320-000	3-520	3-520	7-196	7-501	1726-301	2570-944	1747-578	2614-003	
330-000	2-585	2-585	8-191	8-487	1756-752	2647-856	1778-030	2693-916	
340-000	1-315	1-315	9-590	9-858	1776-198	2736-711	1797-476	2785-587	
350-000	0-000	0-000	11-053	11-301	1782-754	2839-839	1804-033	2891-292	
360-000	0-000	0-000	11-139	11-384	1782-754	2950-694	1804-033	3004-608	

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 2

PROYECTO :

EJE: 30: Enlace Cabeza de Pisuerga: Ramal 2

*** DESBROCES ***									
*** cubicacion segun distancias compensadas ***									

PK inicial		:	0-000						
PK final		:	365-951						
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL			
P-K	-----								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	
365-951	0-000	0-000	11-162	11-398	1782-754	3016-988	1804-033	3072-332	

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3

***** *** DESBROCES *** *** cubicacion segun distancias compensadas *** *****												
PK inicial		:		0-000								
PK final		:		340-703								
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P-K-	-----				-----				-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--								
0-000	0-000	0-000	11-849	11-964	0-000	0-000	0-000	0-000	0-000	0-000		
10-000	0-000	0-000	11-634	11-662	0-000	117-285	0-000	118-000	0-000	118-000		
20-000	0-000	0-000	11-112	11-116	0-000	230-894	0-000	231-767	0-000	231-767		
30-000	1-530	1-530	9-167	9-168	7-636	332-192	7-639	333-091	7-639	333-091		
40-000	5-035	5-037	5-429	5-429	40-414	405-117	40-426	406-027	40-426	406-027		
50-000	10-294	10-295	0-000	0-000	116-975	432-247	116-999	433-158	116-999	433-158		
60-000	10-902	10-903	0-000	0-000	222-842	432-247	222-877	433-158	222-877	433-158		
70-000	10-981	10-982	0-000	0-000	332-133	432-247	332-176	433-158	332-176	433-158		
80-000	10-946	10-946	0-000	0-000	441-640	432-247	441-689	433-158	441-689	433-158		
90-000	10-562	10-563	0-000	0-000	549-061	432-247	549-115	433-158	549-115	433-158		
100-000	10-871	10-873	0-000	0-000	656-115	432-247	656-180	433-158	656-180	433-158		
110-000	10-270	10-273	0-658	0-658	761-702	435-535	761-789	436-446	761-789	436-446		
120-000	3-649	3-652	7-580	7-585	831-218	476-673	831-337	477-608	831-337	477-608		
130-000	1-008	1-009	10-248	10-251	854-488	565-696	854-630	566-668	854-630	566-668		
140-000	0-148	0-148	11-293	11-296	860-271	673-270	860-418	674-268	860-418	674-268		
150-000	0-000	0-000	11-568	11-571	861-012	787-447	861-159	788-473	861-159	788-473		
160-000	0-000	0-000	11-823	11-826	861-012	904-275	861-159	905-327	861-159	905-327		
170-000	0-000	0-000	12-094	12-101	861-012	1023-729	861-159	1024-828	861-159	1024-828		
180-000	0-000	0-000	12-355	12-367	861-012	1145-837	861-159	1147-031	861-159	1147-031		
190-000	0-000	0-000	13-189	13-352	861-012	1273-422	861-159	1275-491	861-159	1275-491		
200-000	0-000	0-000	14-591	14-798	861-012	1412-179	861-159	1416-095	861-159	1416-095		
210-000	0-000	0-000	15-854	16-137	861-012	1564-238	861-159	1570-604	861-159	1570-604		
217-451	0-000	0-000	16-686	17-106	861-012	1685-334	861-159	1694-320	861-159	1694-320		
220-000	0-000	0-000	16-895	17-387	861-012	1728-133	861-159	1738-282	861-159	1738-282		
230-000	0-000	0-000	17-872	18-494	861-012	1901-967	861-159	1917-685	861-159	1917-685		
240-000	0-000	0-000	19-387	20-337	861-012	2088-262	861-159	2111-838	861-159	2111-838		
250-000	0-000	0-000	21-476	22-728	861-012	2292-580	861-159	2327-163	861-159	2327-163		
260-000	0-000	0-000	23-652	25-052	861-012	2518-220	861-159	2566-061	861-159	2566-061		
266-365	0-000	0-000	25-047	26-598	861-012	2673-205	861-159	2730-436	861-159	2730-436		
270-000	0-000	0-000	25-609	27-276	861-012	2758-476	861-159	2821-238	861-159	2821-238		
280-000	0-000	0-000	26-622	28-341	861-012	2999-937	861-159	3078-882	861-159	3078-882		
290-000	0-000	0-000	25-809	27-518	861-012	3243-572	861-159	3339-417	861-159	3339-417		
300-000	0-000	0-000	20-950	21-662	861-012	3456-250	861-159	3563-676	861-159	3563-676		
310-000	0-000	0-000	21-445	22-289	861-012	3641-776	861-159	3755-684	861-159	3755-684		
320-000	0-000	0-000	22-138	23-041	861-012	3831-445	861-159	3952-485	861-159	3952-485		
323-520	0-000	0-000	22-380	23-204	861-012	3899-325	861-159	4022-796	861-159	4022-796		

Istram 18-05-05-29 12/07/18 16:10:02 459

pagina 1

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

*** DESBROCES ***									
*** cubicacion segun distancias compensadas ***									

PK inicial	:	0-000							
PK final	:	382-219							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL			
P-K	-----								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	
19-369	0-000	0-000	25-514	26-582	0-000	0-000	0-000	0-000	
20-000	0-000	0-000	25-281	26-410	0-000	15-483	0-000	16-188	
30-000	0-000	0-000	22-424	24-014	0-000	245-528	0-000	259-945	
40-000	0-000	0-000	21-539	23-127	0-000	457-060	0-000	487-266	
50-000	0-000	0-000	21-289	22-738	0-000	663-291	0-000	708-361	

60-000	0-000	0-000	20-682	21-950	0-000	865-874	0-000	924-090
70-000	0-000	0-000	20-147	21-325	0-000	1063-467	0-000	1133-437
80-000	0-000	0-000	23-288	24-975	0-000	1275-543	0-000	1359-511
90-000	0-000	0-000	21-506	22-983	0-000	1495-645	0-000	1595-243
100-000	0-000	0-000	19-707	20-922	0-000	1698-157	0-000	1811-022
110-000	0-000	0-000	17-986	18-951	0-000	1883-374	0-000	2006-945
111-066	0-000	0-000	17-814	18-739	0-000	1902-127	0-000	2026-683
120-000	0-000	0-000	16-493	17-058	0-000	2052-876	0-000	2183-952
130-000	0-000	0-000	15-189	15-668	0-000	2209-030	0-000	2345-219
140-000	0-000	0-000	14-061	14-440	0-000	2353-526	0-000	2493-916
150-000	5-645	5-661	7-415	7-653	27-871	2459-955	27-946	2603-373
160-000	10-747	10-810	1-483	1-628	109-268	2504-100	109-726	2649-400
170-000	10-465	10-562	1-265	1-374	214-922	2517-669	216-172	2664-221
180-000	12-108	12-165	0-000	0-000	327-603	2523-957	329-618	2671-049
184-538	12-668	12-713	0-000	0-000	383-801	2523-957	386-046	2671-049
190-000	12-737	12-789	0-000	0-000	453-237	2523-957	455-747	2671-049
200-000	12-699	12-742	0-000	0-000	580-511	2523-957	583-499	2671-049
210-000	12-790	12-828	0-000	0-000	708-051	2523-957	711-444	2671-049
220-000	12-750	12-793	0-000	0-000	835-849	2523-957	839-647	2671-049
230-000	12-777	12-820	0-000	0-000	963-578	2523-957	967-809	2671-049
240-000	12-839	12-876	0-000	0-000	1091-753	2523-957	1096-387	2671-049
250-000	12-184	12-220	0-000	0-000	1216-954	2523-957	1221-958	2671-049
260-000	12-308	12-345	0-000	0-000	1339-494	2523-957	1344-865	2671-049
270-000	12-611	12-660	0-000	0-000	1464-172	2523-957	1469-977	2671-049
280-000	11-507	11-558	2-417	2-600	1584-834	2536-078	1591-142	2684-091
290-000	10-679	10-716	3-115	3-382	1695-815	2563-816	1702-563	2714-091
300-000	9-821	9-855	3-808	3-928	1798-348	2598-524	1805-450	2750-744
310-000	9-253	9-282	3-974	4-042	1893-738	2637-535	1901-153	2790-700
320-000	8-881	8-906	4-430	4-503	1984-420	2679-661	1992-103	2833-533
330-000	8-333	8-362	5-067	5-144	2070-493	2727-260	2078-445	2881-887
340-000	7-839	7-881	5-655	5-742	2151-350	2780-998	2159-656	2936-449
350-000	7-502	7-557	6-089	6-186	2228-046	2839-858	2236-838	2996-229

Istram 18-05-05-29 12/07/18 16:10:02 459 pagina 2

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

*** DESBROCES ***									
*** cubicacion segun distancias compensadas ***									

PK inicial	:		0-000						
PK final	:		382-219						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P-K:	-----								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
360-000	7-519	7-575	6-221	6-326	2303-139	2901-552	2312-484	3058-934	
370-000	7-515	7-591	6-294	6-401	2378-296	2964-270	2388-302	3122-715	
380-000	8-745	8-811	3-580	3-599	2459-597	3013-745	2470-316	3172-822	
382-219	8-726	8-794	3-602	3-622	2478-985	3021-728	2489-853	3180-849	

FIRMES ENLACE CABEZÓN

Istram 18-05-05-29 18/07/18 11:56:04 459

pagina 1

PROYECTO :

EJE: 27: Enlace Cabezón de Pisuerga: Eje 1

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
0-000	Suelo Cemento	6·495	0-00	0-0	AC22 bin D	1-985	0-00	0-0
	AC16 surf 5	1-406	0-00	0-0	Rellenos	0-830	0-00	0-0
10-000	Suelo Cemento	3-237	48-66	48-7	AC22 bin D	0-975	14-80	14-8
	AC16 surf 5	0-684	10-45	10-4	Rellenos	0-778	8-04	8-0
20-000	Suelo Cemento	2-083	26-60	75-3	AC22 bin D	0-615	7-95	22-7
	AC16 surf 5	0-427	5-55	16-0	Rellenos	0-755	7-67	15-7
25-000	Suelo Cemento	1-968	10-13	85-4	AC22 bin D	0-579	2-98	25-7
	AC16 surf 5	0-401	2-07	18-1	Rellenos	0-753	3-77	19-5

Istram 18-05-05-29 18/07/18 11:56:04 459

pagina 2

PROYECTO :

EJE: 27: Enlace Cabezón de Pisuerga: Eje 1

*** RESUMEN DE VOLUMENES TOTALES ***

MATERIAL	VOLUMEN
Suelo Cemento	85-4
AC22 bin D	25-7
AC16 surf 5	18-1
Rellenos	19-5

Istram 18-05-05-29 19/07/18 10:31:59 459

pagina 1

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
0-000	Suelo Cemento	5-634	0-00	0-0	AC22 bin D	1-751	0-00	0-0
	AC16 surf 5	1-241	0-00	0-0	ZA	0-935	0-00	0-0
	AC16 surf 5	0-137	0-00	0-0	Rellenos	1-070	0-00	0-0
10-000	Suelo Cemento	3-065	42-15	42-2	AC22 bin D	0-935	13-01	13-0
	AC16 surf 5	0-657	9-20	9-2	ZA	0-566	7-01	7-0
	AC16 surf 5	0-087	1-06	1-1	Rellenos	1-006	10-01	10-0
20-000	Suelo Cemento	2-339	26-77	68-9	AC22 bin D	0-704	8-12	21-1
	AC16 surf 5	0-492	5-69	14-9	ZA	0-517	5-37	12-4
	AC16 surf 5	0-080	0-83	1-9	Rellenos	0-999	9-96	20-0
30-000	Suelo Cemento	2-300	23-19	92-1	AC22 bin D	0-691	6-97	28-1
	AC16 surf 5	0-483	4-87	19-8	ZA	0-516	5-19	17-6
	AC16 surf 5	0-080	0-80	2-7	Rellenos	0-998	10-02	30-0
40-000	Suelo Cemento	2-300	23-00	115-1	AC22 bin D	0-691	6-91	35-0
	AC16 surf 5	0-483	4-83	24-6	ZA	0-516	5-18	22-7
	AC16 surf 5	0-080	0-80	3-5	Rellenos	0-999	10-03	40-0
50-000	Suelo Cemento	2-299	23-00	138-1	AC22 bin D	0-691	6-91	41-9
	AC16 surf 5	0-483	4-83	29-4	ZA	0-516	5-18	27-9
	AC16 surf 5	0-080	0-80	4-3	Rellenos	0-999	10-03	50-0
60-000	Suelo Cemento	2-298	22-99	161-1	AC22 bin D	0-691	6-91	48-8
	AC16 surf 5	0-483	4-83	34-2	ZA	0-516	5-18	33-1
	AC16 surf 5	0-080	0-80	5-1	Rellenos	0-999	10-03	60-1
70-000	Suelo Cemento	2-299	22-99	184-1	AC22 bin D	0-691	6-91	55-7
	AC16 surf 5	0-483	4-83	39-1	ZA	0-516	5-16	38-3
	AC16 surf 5	0-080	0-80	5-9	Rellenos	0-998	10-00	70-1
70-633	Suelo Cemento	2-298	1-45	185-5	AC22 bin D	0-692	0-44	56-2
	AC16 surf 5	0-482	0-31	39-4	ZA	0-516	0-33	38-6

80-000	AC16 surf 5	0-080	0-05	5-9	Rellenos	0-998	0-63	70-7
	Suelo Cemento	2-300	21-54	207-1	AC22 bin D	0-691	6-48	62-7
	AC16 surf 5	0-483	4-52	43-9	ZA	0-516	4-84	43-4
	AC16 surf 5	0-080	0-75	6-7	Rellenos	0-999	9-36	80-1
90-000	Suelo Cemento	2-299	23-00	230-1	AC22 bin D	0-691	6-91	69-6
	AC16 surf 5	0-483	4-83	48-7	ZA	0-516	5-17	48-6
	AC16 surf 5	0-080	0-80	7-5	Rellenos	0-998	10-01	90-1
100-000	Suelo Cemento	2-299	22-99	253-1	AC22 bin D	0-691	6-91	76-5
	AC16 surf 5	0-483	4-83	53-6	ZA	0-516	5-17	53-8
	AC16 surf 5	0-080	0-80	8-3	Rellenos	0-998	10-01	100-1

Istram 18-05-05-29 19/07/18 10:31:59 459

pagina 2

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
110-000	Suelo Cemento	2-300	23-00	276-1	AC22 bin D	0-691	6-91	83-4
	AC16 surf 5	0-483	4-83	58-4	ZA	0-516	5-17	58-9
	AC16 surf 5	0-080	0-80	9-1	Rellenos	0-999	10-01	110-1
120-000	Suelo Cemento	2-277	22-89	298-9	AC22 bin D	0-683	6-87	90-3
	AC16 surf 5	0-478	4-80	63-2	ZA	0-516	5-18	64-1
	AC16 surf 5	0-080	0-80	9-9	Rellenos	0-999	10-01	120-1
130-000	Suelo Cemento	2-039	21-58	320-5	AC22 bin D	0-609	6-46	96-7
	AC16 surf 5	0-425	4-51	67-7	ZA	0-505	5-12	69-2
	AC16 surf 5	0-080	0-80	10-7	Rellenos	0-982	9-93	130-0
140-000	Suelo Cemento	1-801	19-20	339-7	AC22 bin D	0-534	5-72	102-4
	AC16 surf 5	0-371	3-98	71-7	ZA	0-494	5-00	74-2
	AC16 surf 5	0-080	0-80	11-5	Rellenos	0-964	9-74	139-8
149-047	Suelo Cemento	1-586	15-32	355-1	AC22 bin D	0-467	4-53	107-0
	AC16 surf 5	0-323	3-14	74-8	ZA	0-484	4-43	78-7
	AC16 surf 5	0-080	0-72	12-2	Rellenos	0-945	8-64	148-4
150-000	Suelo Cemento	1-586	1-51	356-6	AC22 bin D	0-467	0-45	107-4
	AC16 surf 5	0-323	0-31	75-1	ZA	0-483	0-46	79-1
	AC16 surf 5	0-080	0-08	12-3	Rellenos	0-944	0-90	149-3
150-449	Suelo Cemento	1-585	0-71	357-3	AC22 bin D	0-467	0-21	107-6
	AC16 surf 5	0-323	0-14	75-3	ZA	0-482	0-22	79-3
	AC16 surf 5	0-081	0-04	12-3	Rellenos	0-944	0-42	149-7

Istram 18-05-05-29 19/07/18 10:31:59 459

pagina 3

PROYECTO :

EJE: 28: Enlace Cabezón de Pisuerga: Eje 2

*** RESUMEN DE VOLUMENES TOTALES ***

MATERIAL	VOLUMEN
Suelo Cemento	357-3
AC22 bin D	107-6
AC16 surf 5	75-3
ZA	79-3
AC16 surf 5	12-3
Rellenos	149-7

Istram 18-05-05-29 12/07/18 16:02:52 459

pagina 1

PROYECTO :

EJE: 26: Enlace Cabezón de Pisuerga: Glorieta Izq.

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
0-000	Suelo Cemento	2-133	0-00	0-0	AC22 bin D	0-995	0-00	0-0

	AC16 surf 5	0·490	0·00	0·0	Rellenos	0·395	0·00	0·0
10·000	Suelo Cemento	2·143	19·03	19·0	AC22 bin D	0·995	8·75	8·7
	AC16 surf 5	0·490	4·30	4·3	Rellenos	0·400	4·26	4·3
30·000	Suelo Cemento	2·160	38·34	57·4	AC22 bin D	0·995	17·49	26·2
	AC16 surf 5	0·490	8·59	12·9	Rellenos	0·407	8·64	12·9
40·000	Suelo Cemento	2·165	19·29	76·7	AC22 bin D	0·995	8·75	35·0
	AC16 surf 5	0·489	4·29	17·2	Rellenos	0·409	4·37	17·3
50·000	Suelo Cemento	2·166	19·32	96·0	AC22 bin D	0·994	8·74	43·7
	AC16 surf 5	0·490	4·29	21·5	Rellenos	0·410	4·39	21·7
60·000	Suelo Cemento	2·161	19·30	115·3	AC22 bin D	0·995	8·74	52·5
	AC16 surf 5	0·490	4·30	25·8	Rellenos	0·818	6·65	28·3
70·000	Suelo Cemento	2·156	19·25	134·5	AC22 bin D	0·995	8·75	61·2
	AC16 surf 5	0·489	4·29	30·1	Rellenos	0·406	6·63	34·9
80·000	Suelo Cemento	2·148	19·17	153·7	AC22 bin D	0·994	8·75	70·0
	AC16 surf 5	0·490	4·29	34·4	Rellenos	0·402	4·32	39·3
90·000	Suelo Cemento	2·136	19·07	172·8	AC22 bin D	0·995	8·74	78·7
	AC16 surf 5	0·490	4·30	38·7	Rellenos	0·397	4·28	43·5
100·000	Suelo Cemento	2·127	18·96	191·7	AC22 bin D	0·995	8·75	87·5
	AC16 surf 5	0·490	4·30	43·0	Rellenos	0·393	4·23	47·8
110·000	Suelo Cemento	2·117	18·85	210·6	AC22 bin D	0·995	8·75	96·2
	AC16 surf 5	0·491	4·30	47·3	Rellenos	0·388	4·18	52·0
120·000	Suelo Cemento	2·109	18·76	229·3	AC22 bin D	0·995	8·74	104·9
	AC16 surf 5	0·491	4·30	51·6	Rellenos	0·384	4·13	56·1
130·000	Suelo Cemento	2·103	18·69	248·0	AC22 bin D	0·995	8·75	113·7
	AC16 surf 5	0·490	4·30	55·9	Rellenos	0·382	4·09	60·2
140·000	Suelo Cemento	2·102	18·65	266·7	AC22 bin D	0·995	8·75	122·4
	AC16 surf 5	0·491	4·30	60·2	Rellenos	0·380	4·07	64·2
150·000	Suelo Cemento	2·103	18·65	285·3	AC22 bin D	0·995	8·75	131·2
	AC16 surf 5	0·491	4·30	64·5	Rellenos	0·381	4·07	68·3
160·000	Suelo Cemento	2·107	18·67	304·0	AC22 bin D	0·995	8·75	139·9
	AC16 surf 5	0·491	4·30	68·8	Rellenos	0·384	4·09	72·4
170·000	Suelo Cemento	2·114	18·74	322·7	AC22 bin D	0·995	8·75	148·7
	AC16 surf 5	0·491	4·30	73·1	Rellenos	0·387	4·12	76·5
180·000	Suelo Cemento	2·123	18·82	341·5	AC22 bin D	0·995	8·75	157·4
	AC16 surf 5	0·490	4·30	77·4	Rellenos	0·391	4·16	80·7
188·496	Suelo Cemento	2·131	16·07	357·6	AC22 bin D	0·995	7·43	164·9
	AC16 surf 5	0·490	3·65	81·0	Rellenos	0·395	3·57	84·3

Istram 18-05-05-29 12/07/18 16:02:53 459 pagina 2

PROYECTO :

EJE: 26: Enlace Cabezón de Pisuerga: Glorieta Izq·

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
Suelo Cemento	357·6
AC22 bin D	164·9
AC16 surf 5	81·0
Rellenos	84·3

Istram 18-05-05-29 18/07/18 11:56:04 459 pagina 1

PROYECTO :

EJE: 29: Enlace Cabezón de Pisuerga: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
-----	-----	-----	-----	-----	-----	-----	-----	-----
0·000	Suelo Cemento	1·354	0·00	0·0	AC22 bin D	0·362	0·00	0·0
	AC16 surf 5	0·246	0·00	0·0	ZA	0·700	0·00	0·0
	AC16 surf 5	0·115	0·00	0·0	Rellenos	1·406	0·00	0·0
0·080	Suelo Cemento	1·355	0·11	0·1	AC22 bin D	0·362	0·03	0·0
	AC16 surf 5	0·246	0·02	0·0	ZA	0·700	0·06	0·1
	AC16 surf 5	0·115	0·01	0·0	Rellenos	1·406	0·11	0·1
10·000	Suelo Cemento	1·358	13·44	13·5	AC22 bin D	0·362	3·59	3·6
	AC16 surf 5	0·246	2·44	2·5	ZA	0·689	6·85	6·9

	AC16 surf 5	0·115	1·14	1·1	Rellenos	1·377	13·75	13·9
20·000	Suelo Cemento	1·362	13·58	27·1	AC22 bin D	0·362	3·62	7·2
	AC16 surf 5	0·246	2·46	4·9	ZA	0·678	6·80	13·7
	AC16 surf 5	0·115	1·14	2·3	Rellenos	1·367	13·67	27·5
30·000	Suelo Cemento	1·365	13·62	40·8	AC22 bin D	0·362	3·62	10·8
	AC16 surf 5	0·246	2·46	7·4	ZA	0·667	6·69	20·4
	AC16 surf 5	0·115	1·14	3·4	Rellenos	1·375	13·66	41·2
40·000	Suelo Cemento	1·369	13·65	54·4	AC22 bin D	0·362	3·61	14·5
	AC16 surf 5	0·246	2·46	9·8	ZA	0·660	6·60	27·0
	AC16 surf 5	0·115	1·14	4·6	Rellenos	1·411	13·88	55·1
50·000	Suelo Cemento	1·369	13·67	68·1	AC22 bin D	0·362	3·61	18·1
	AC16 surf 5	0·246	2·46	12·3	ZA	0·660	6·57	33·6
	AC16 surf 5	0·115	1·15	5·7	Rellenos	1·507	14·54	69·6
60·000	Suelo Cemento	1·368	13·67	81·8	AC22 bin D	0·362	3·61	21·7
	AC16 surf 5	0·246	2·46	14·7	ZA	0·660	6·57	40·1
	AC16 surf 5	0·115	1·15	6·9	Rellenos	1·673	15·86	85·5
70·000	Suelo Cemento	1·368	13·67	95·4	AC22 bin D	0·362	3·61	25·3
	AC16 surf 5	0·246	2·46	17·2	ZA	0·660	6·57	46·7
	AC16 surf 5	0·115	1·15	8·0	Rellenos	1·674	16·70	102·2
80·000	Suelo Cemento	1·368	13·67	109·1	AC22 bin D	0·362	3·62	28·9
	AC16 surf 5	0·246	2·46	19·7	ZA	0·660	6·57	53·3
	AC16 surf 5	0·115	1·15	9·2	Rellenos	1·673	16·70	118·9
90·000	Suelo Cemento	1·369	13·67	122·8	AC22 bin D	0·362	3·62	32·5
	AC16 surf 5	0·246	2·46	22·1	ZA	0·660	6·57	59·8
	AC16 surf 5	0·115	1·15	10·3	Rellenos	1·673	16·69	135·6
91·479	Suelo Cemento	1·369	2·02	124·8	AC22 bin D	0·362	0·53	33·1
	AC16 surf 5	0·246	0·36	22·5	ZA	0·660	0·97	60·8
	AC16 surf 5	0·115	0·17	10·5	Rellenos	1·673	2·47	138·0

Istram 18-05-05-29 18/07/18 11:56:04 459 pagina 2

PROYECTO :

EJE: 29: Enlace Cabezón de Pisuerga: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·	MATERIAL	AREA PERFIL	VOL· PARCIAL	VOL· ACUMUL·
-----	-----	-----	-----	-----	-----	-----	-----	-----
100·000	Suelo Cemento	1·376	11·68	136·5	AC22 bin D	0·362	3·08	36·1
	AC16 surf 5	0·246	2·09	24·6	ZA	0·660	5·58	66·4
	AC16 surf 5	0·115	0·97	11·5	Rellenos	1·685	14·26	152·3
110·000	Suelo Cemento	1·385	13·77	150·2	AC22 bin D	0·362	3·61	39·8
	AC16 surf 5	0·246	2·45	27·0	ZA	0·660	6·51	72·9
	AC16 surf 5	0·115	1·14	12·6	Rellenos	1·699	16·82	169·1
120·000	Suelo Cemento	1·394	13·84	164·1	AC22 bin D	0·362	3·60	43·4
	AC16 surf 5	0·245	2·44	29·5	ZA	0·660	6·47	79·4
	AC16 surf 5	0·115	1·13	13·7	Rellenos	1·713	16·91	186·0
130·000	Suelo Cemento	1·403	13·92	178·0	AC22 bin D	0·362	3·60	47·0
	AC16 surf 5	0·245	2·44	31·9	ZA	0·661	6·43	85·8
	AC16 surf 5	0·115	1·12	14·8	Rellenos	1·727	17·00	203·0
140·000	Suelo Cemento	1·463	14·24	192·2	AC22 bin D	0·378	3·67	50·6
	AC16 surf 5	0·257	2·49	34·4	ZA	0·661	6·38	92·2
	AC16 surf 5	0·115	1·11	16·0	Rellenos	1·740	17·08	220·1
145·686	Suelo Cemento	1·527	8·43	200·7	AC22 bin D	0·397	2·18	52·8
	AC16 surf 5	0·270	1·48	35·9	ZA	0·661	3·60	95·8
	AC16 surf 5	0·115	0·63	16·6	Rellenos	1·748	9·74	229·8
150·000	Suelo Cemento	1·572	6·62	207·3	AC22 bin D	0·411	1·72	54·5
	AC16 surf 5	0·280	1·17	37·0	ZA	0·661	2·72	98·5
	AC16 surf 5	0·115	0·48	17·1	Rellenos	1·748	7·39	237·2
160·000	Suelo Cemento	1·675	16·06	223·3	AC22 bin D	0·443	4·21	58·7
	AC16 surf 5	0·304	2·88	39·9	ZA	0·661	6·30	104·8
	AC16 surf 5	0·115	1·10	18·2	Rellenos	1·748	17·11	254·3
170·000	Suelo Cemento	1·776	17·04	240·4	AC22 bin D	0·476	4·53	63·3
	AC16 surf 5	0·327	3·11	43·0	ZA	0·660	6·27	111·1
	AC16 surf 5	0·116	1·10	19·3	Rellenos	1·748	17·08	271·4
178·354	Suelo Cemento	1·864	14·98	255·4	AC22 bin D	0·503	4·02	67·3
	AC16 surf 5	0·346	2·76	45·8	ZA	0·661	5·22	116·3
	AC16 surf 5	0·115	0·91	20·2	Rellenos	1·748	14·25	285·7

180-000	Suelo Cemento	1-877	3-03	258-4	AC22 bin D	0-509	0-82	68-1
	AC16 surf 5	0-350	0-56	46-4	ZA	0-661	1-03	117-3
	AC16 surf 5	0-115	0-18	20-3	Rellenos	1-509	2-62	288-3
190-000	Suelo Cemento	1-966	18-94	277-3	AC22 bin D	0-542	5-17	73-3
	AC16 surf 5	0-374	3-56	49-9	ZA	0-661	6-27	123-6
	AC16 surf 5	0-115	1-09	21-4	Rellenos	1-337	14-06	302-3

Istram 18-05-05-29 18/07/18 11:56:04 459 pagina 3

PROYECTO :

EJE: 29: Enlace Cabezón de Pisuerga: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
200-000	Suelo Cemento	2-056	19-84	297-2	AC22 bin D	0-574	5-50	78-8
	AC16 surf 5	0-397	3-79	53-7	ZA	0-660	6-31	129-9
	AC16 surf 5	0-115	1-10	22-5	Rellenos	0-993	11-51	313-9
210-000	Suelo Cemento	2-146	20-77	317-9	AC22 bin D	0-606	5-83	84-6
	AC16 surf 5	0-421	4-04	57-7	ZA	0-660	6-36	136-3
	AC16 surf 5	0-115	1-11	23-7	Rellenos	0-979	9-71	323-6
220-000	Suelo Cemento	2-132	21-20	339-1	AC22 bin D	0-607	6-01	90-6
	AC16 surf 5	0-421	4-17	61-9	ZA	0-674	6-49	142-7
	AC16 surf 5	0-115	1-12	24-8	Rellenos	0-900	9-28	332-8
230-000	Suelo Cemento	2-121	21-15	360-3	AC22 bin D	0-607	6-03	96-6
	AC16 surf 5	0-421	4-19	66-1	ZA	0-707	6-79	149-5
	AC16 surf 5	0-115	1-13	25-9	Rellenos	0-919	9-02	341-9
240-000	Suelo Cemento	2-112	21-13	381-4	AC22 bin D	0-607	6-06	102-7
	AC16 surf 5	0-421	4-20	70-3	ZA	0-742	7-20	156-7
	AC16 surf 5	0-115	1-14	27-0	Rellenos	0-940	9-26	351-1
240-661	Suelo Cemento	2-110	1-40	382-8	AC22 bin D	0-607	0-40	103-1
	AC16 surf 5	0-422	0-28	70-6	ZA	0-743	0-49	157-2
	AC16 surf 5	0-115	0-08	27-1	Rellenos	0-941	0-62	351-7
246-708	Suelo Cemento	2-103	12-74	395-6	AC22 bin D	0-608	3-67	106-8
	AC16 surf 5	0-421	2-55	73-1	ZA	0-765	4-56	161-8
	AC16 surf 5	0-115	0-70	27-8	Rellenos	0-954	5-73	357-5

Istram 18-05-05-29 18/07/18 11:56:04 459 pagina 4

PROYECTO :

EJE: 29: Enlace Cabezón de Pisuerga: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	395-6
AC22 bin D	106-8
AC16 surf 5	73-1
ZA	161-8
AC16 surf 5	27-8
Rellenos	357-5

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 1

PROYECTO :

EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
18-545	Suelo Cemento	1-950	0-00	0-0	AC22 bin D	0-554	0-00	0-0
	AC16 surf 5	0-384	0-00	0-0	ZA	0-445	0-00	0-0
	AC16 surf 5	0-073	0-00	0-0	Rellenos	1-272	0-00	0-0
18-725	Suelo Cemento	1-947	0-33	0-3	AC22 bin D	0-553	0-09	0-1
	AC16 surf 5	0-383	0-07	0-1	ZA	0-447	0-07	0-1

20-000	AC16 surf 5	0-073	0-01	0-0	Rellenos	1-272	0-22	0-2
	Suelo Cemento	1-927	2-35	2-7	AC22 bin D	0-546	0-66	0-8
	AC16 surf 5	0-378	0-46	0-5	ZA	0-462	0-49	0-6
	AC16 surf 5	0-076	0-08	0-1	Rellenos	1-319	1-61	1-8
30-000	Suelo Cemento	1-816	17-88	20-6	AC22 bin D	0-505	5-00	5-8
	AC16 surf 5	0-348	3-45	4-0	ZA	0-571	4-42	5-0
	AC16 surf 5	0-098	0-75	0-8	Rellenos	0-895	10-58	12-4
40-000	Suelo Cemento	1-780	17-32	37-9	AC22 bin D	0-488	4-76	10-5
	AC16 surf 5	0-336	3-28	7-3	ZA	0-661	5-36	10-3
	AC16 surf 5	0-115	0-93	1-8	Rellenos	0-900	8-42	20-8
50-000	Suelo Cemento	1-719	17-02	54-9	AC22 bin D	0-463	4-60	15-1
	AC16 surf 5	0-318	3-16	10-4	ZA	0-661	5-92	16-3
	AC16 surf 5	0-115	1-03	2-8	Rellenos	0-911	8-62	29-5
60-000	Suelo Cemento	1-656	16-56	71-5	AC22 bin D	0-438	4-40	19-5
	AC16 surf 5	0-300	3-02	13-4	ZA	0-661	6-10	22-4
	AC16 surf 5	0-115	1-07	3-9	Rellenos	0-920	8-84	38-3
70-000	Suelo Cemento	1-593	16-04	87-5	AC22 bin D	0-418	4-21	23-7
	AC16 surf 5	0-285	2-88	16-3	ZA	0-660	6-25	28-6
	AC16 surf 5	0-115	1-10	5-0	Rellenos	0-920	8-98	47-3
80-000	Suelo Cemento	1-593	15-77	103-3	AC22 bin D	0-418	4-13	27-9
	AC16 surf 5	0-286	2-82	19-1	ZA	0-661	6-30	34-9
	AC16 surf 5	0-115	1-10	6-1	Rellenos	0-921	9-02	56-3
90-000	Suelo Cemento	1-593	15-77	119-0	AC22 bin D	0-418	4-13	32-0
	AC16 surf 5	0-285	2-82	21-9	ZA	0-661	6-30	41-2
	AC16 surf 5	0-115	1-10	7-2	Rellenos	0-920	9-02	65-3
100-000	Suelo Cemento	1-593	15-77	134-8	AC22 bin D	0-418	4-13	36-1
	AC16 surf 5	0-286	2-82	24-8	ZA	0-661	6-30	47-5
	AC16 surf 5	0-115	1-10	8-3	Rellenos	0-921	9-02	74-3
110-000	Suelo Cemento	1-593	15-77	150-6	AC22 bin D	0-418	4-13	40-2
	AC16 surf 5	0-285	2-82	27-6	ZA	0-661	6-30	53-8
	AC16 surf 5	0-115	1-10	9-4	Rellenos	0-920	9-02	83-3

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 2

PROYECTO :

EJE: 30: Enlace Cabezón de Pisuerga: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
120-000	Suelo Cemento	1-593	15-77	166-3	AC22 bin D	0-418	4-13	44-4
	AC16 surf 5	0-286	2-82	30-4	ZA	0-660	6-30	60-1
	AC16 surf 5	0-115	1-10	10-5	Rellenos	1-318	10-86	94-2
130-000	Suelo Cemento	1-593	15-77	182-1	AC22 bin D	0-418	4-12	48-5
	AC16 surf 5	0-286	2-82	33-2	ZA	0-661	6-30	66-4
	AC16 surf 5	0-115	1-10	11-6	Rellenos	1-318	12-71	106-9
140-000	Suelo Cemento	1-569	15-66	197-8	AC22 bin D	0-414	4-11	52-6
	AC16 surf 5	0-283	2-81	36-0	ZA	0-660	6-33	72-8
	AC16 surf 5	0-115	1-10	12-7	Rellenos	1-301	12-66	119-6
150-000	Suelo Cemento	1-545	15-45	213-2	AC22 bin D	0-411	4-09	56-7
	AC16 surf 5	0-281	2-79	38-8	ZA	0-661	6-38	79-1
	AC16 surf 5	0-115	1-11	13-8	Rellenos	1-284	12-57	132-1
160-000	Suelo Cemento	1-519	15-22	228-4	AC22 bin D	0-408	4-06	60-7
	AC16 surf 5	0-278	2-77	41-6	ZA	0-660	6-42	85-6
	AC16 surf 5	0-115	1-12	14-9	Rellenos	0-970	11-06	143-2
170-000	Suelo Cemento	1-496	15-00	243-4	AC22 bin D	0-404	4-03	64-8
	AC16 surf 5	0-276	2-76	44-3	ZA	0-674	6-54	92-1
	AC16 surf 5	0-115	1-13	16-0	Rellenos	0-899	9-25	152-5
180-000	Suelo Cemento	1-472	14-79	258-2	AC22 bin D	0-400	4-01	68-8
	AC16 surf 5	0-274	2-74	47-1	ZA	0-709	6-83	98-9
	AC16 surf 5	0-115	1-14	17-2	Rellenos	0-921	9-04	161-5
190-000	Suelo Cemento	1-451	14-59	272-8	AC22 bin D	0-397	3-98	72-8
	AC16 surf 5	0-271	2-72	49-8	ZA	0-743	7-22	106-1
	AC16 surf 5	0-115	1-15	18-3	Rellenos	0-932	9-24	170-7
200-000	Suelo Cemento	1-451	14-50	287-3	AC22 bin D	0-397	3-97	76-7
	AC16 surf 5	0-271	2-71	52-5	ZA	0-743	7-42	113-6
	AC16 surf 5	0-115	1-15	19-5	Rellenos	1-099	10-15	180-9

210-000	Suelo Cemento	1-451	14-50	301-8	AC22 bin D	0-397	3-97	80-7
	AC16 surf 5	0-272	2-71	55-2	ZA	0-743	7-42	121-0
	AC16 surf 5	0-115	1-15	20-6	Rellenos	1-054	10-76	191-6
220-000	Suelo Cemento	1-450	14-50	316-3	AC22 bin D	0-397	3-97	84-7
	AC16 surf 5	0-271	2-71	57-9	ZA	0-744	7-42	128-4
	AC16 surf 5	0-115	1-15	21-8	Rellenos	1-002	10-27	201-9
230-000	Suelo Cemento	1-450	14-49	330-8	AC22 bin D	0-397	3-97	88-6
	AC16 surf 5	0-272	2-71	60-7	ZA	0-743	7-42	135-8
	AC16 surf 5	0-115	1-15	22-9	Rellenos	0-787	8-94	210-8

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 3

PROYECTO :

EJE: 30: Enlace Cabez◻de Pisuerga: Ramal 2

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
240-000	Suelo Cemento	1-451	14-50	345-3	AC22 bin D	0-397	3-97	92-6
	AC16 surf 5	0-271	2-71	63-4	ZA	0-744	7-42	143-2
	AC16 surf 5	0-115	1-15	24-1	Rellenos	0-934	8-59	219-4
250-000	Suelo Cemento	1-451	14-50	359-8	AC22 bin D	0-397	3-97	96-6
	AC16 surf 5	0-271	2-71	66-1	ZA	0-744	7-42	150-6
	AC16 surf 5	0-115	1-15	25-2	Rellenos	0-983	9-57	229-0
260-000	Suelo Cemento	1-450	14-50	374-3	AC22 bin D	0-397	3-97	100-5
	AC16 surf 5	0-271	2-71	68-8	ZA	0-744	7-42	158-1
	AC16 surf 5	0-115	1-15	26-4	Rellenos	1-026	10-03	239-0
270-000	Suelo Cemento	1-440	14-44	388-8	AC22 bin D	0-393	3-95	104-5
	AC16 surf 5	0-269	2-70	71-5	ZA	0-743	7-42	165-5
	AC16 surf 5	0-115	1-15	27-5	Rellenos	1-061	10-42	249-5
280-000	Suelo Cemento	1-415	14-27	403-0	AC22 bin D	0-386	3-89	108-4
	AC16 surf 5	0-263	2-66	74-1	ZA	0-743	7-42	172-9
	AC16 surf 5	0-115	1-15	28-7	Rellenos	1-078	10-68	260-1
290-000	Suelo Cemento	1-390	14-02	417-0	AC22 bin D	0-378	3-82	112-2
	AC16 surf 5	0-258	2-60	76-7	ZA	0-744	7-42	180-3
	AC16 surf 5	0-115	1-15	29-8	Rellenos	1-015	10-45	270-6
300-000	Suelo Cemento	1-366	13-78	430-8	AC22 bin D	0-370	3-74	115-9
	AC16 surf 5	0-252	2-55	79-3	ZA	0-743	7-42	187-7
	AC16 surf 5	0-115	1-15	31-0	Rellenos	0-892	9-52	280-1
310-000	Suelo Cemento	1-342	13-53	444-4	AC22 bin D	0-362	3-66	119-6
	AC16 surf 5	0-246	2-49	81-8	ZA	0-744	7-42	195-2
	AC16 surf 5	0-115	1-15	32-1	Rellenos	0-913	9-01	289-1
320-000	Suelo Cemento	1-341	13-41	457-8	AC22 bin D	0-362	3-62	123-2
	AC16 surf 5	0-246	2-46	84-2	ZA	0-744	7-42	202-6
	AC16 surf 5	0-115	1-15	33-3	Rellenos	0-920	9-16	298-3
330-000	Suelo Cemento	1-340	13-40	471-2	AC22 bin D	0-362	3-62	126-8
	AC16 surf 5	0-247	2-46	86-7	ZA	0-743	7-42	210-0
	AC16 surf 5	0-115	1-15	34-4	Rellenos	0-927	9-23	307-5
340-000	Suelo Cemento	1-341	13-40	484-6	AC22 bin D	0-362	3-62	130-4
	AC16 surf 5	0-246	2-46	89-2	ZA	0-744	7-42	217-4
	AC16 surf 5	0-115	1-15	35-6	Rellenos	0-938	9-32	316-8
350-000	Suelo Cemento	1-341	13-41	498-0	AC22 bin D	0-362	3-62	134-1
	AC16 surf 5	0-246	2-46	91-6	ZA	0-744	7-42	224-8
	AC16 surf 5	0-115	1-15	36-7	Rellenos	0-941	9-39	326-2

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 4

PROYECTO :

EJE: 30: Enlace Cabez◻de Pisuerga: Ramal 2

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
360-000	Suelo Cemento	1-341	13-40	511-4	AC22 bin D	0-362	3-62	137-7
	AC16 surf 5	0-247	2-46	94-1	ZA	0-743	7-42	232-3

365-951	AC16 surf 5	0-115	1-15	37-9	Rellenos	0-941	9-40	335-6
	Suelo Cemento	1-340	7-97	519-4	AC22 bin D	0-362	2-15	139-8
	AC16 surf 5	0-246	1-47	95-6	ZA	0-744	4-42	236-7
	AC16 surf 5	0-115	0-68	38-6	Rellenos	0-941	5-60	341-2

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 5

PROYECTO :

EJE: 30: Enlace Cabez◻de Pisuerga: Ramal 2

*** RESUMEN DE VOLUMENES TOTALES ***

MATERIAL	VOLUMEN
Suelo Cemento	519-4
AC22 bin D	139-8
AC16 surf 5	95-6
ZA	236-7
AC16 surf 5	38-6
Rellenos	341-2

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 1

PROYECTO :

EJE: 31: Enlace Cabez◻de Pisuerga: Ramal 3

*** MEDICIONES DE LOS PERFILES TRANSVERSALES* **

*** CAPAS DE FIRME ***

*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-	MATERIAL	AREA PERFIL	VOL- PARCIAL	VOL- ACUMUL-
0-000	Suelo Cemento	1-341	0-00	0-0	AC22 bin D	0-362	0-00	0-0
	AC16 surf 5	0-247	0-00	0-0	ZA	0-743	0-00	0-0
	AC16 surf 5	0-115	0-00	0-0	Rellenos	0-941	0-00	0-0
10-000	Suelo Cemento	1-341	13-40	13-4	AC22 bin D	0-362	3-62	3-6
	AC16 surf 5	0-246	2-46	2-5	ZA	0-744	7-42	7-4
	AC16 surf 5	0-115	1-15	1-1	Rellenos	0-941	9-40	9-4
20-000	Suelo Cemento	1-340	13-40	26-8	AC22 bin D	0-362	3-62	7-2
	AC16 surf 5	0-246	2-46	4-9	ZA	0-744	7-42	14-8
	AC16 surf 5	0-115	1-15	2-3	Rellenos	0-941	9-40	18-8
30-000	Suelo Cemento	1-340	13-39	40-2	AC22 bin D	0-362	3-62	10-9
	AC16 surf 5	0-246	2-46	7-4	ZA	0-744	7-42	22-3
	AC16 surf 5	0-115	1-15	3-4	Rellenos	0-935	9-37	28-2
40-000	Suelo Cemento	1-340	13-40	53-6	AC22 bin D	0-362	3-62	14-5
	AC16 surf 5	0-246	2-46	9-9	ZA	0-744	7-42	29-7
	AC16 surf 5	0-115	1-15	4-6	Rellenos	0-911	9-22	37-4
50-000	Suelo Cemento	1-341	13-40	67-0	AC22 bin D	0-362	3-62	18-1
	AC16 surf 5	0-246	2-46	12-3	ZA	0-743	7-42	37-1
	AC16 surf 5	0-115	1-15	5-7	Rellenos	0-882	8-95	46-4
60-000	Suelo Cemento	1-351	13-45	80-4	AC22 bin D	0-365	3-63	21-7
	AC16 surf 5	0-249	2-47	14-8	ZA	0-743	7-42	44-5
	AC16 surf 5	0-115	1-15	6-9	Rellenos	1-007	9-43	55-8
70-000	Suelo Cemento	1-376	13-63	94-1	AC22 bin D	0-373	3-69	25-4
	AC16 surf 5	0-254	2-51	17-3	ZA	0-743	7-42	51-9
	AC16 surf 5	0-115	1-15	8-0	Rellenos	1-005	10-05	65-8
80-000	Suelo Cemento	1-400	13-87	107-9	AC22 bin D	0-380	3-77	29-2
	AC16 surf 5	0-260	2-57	19-9	ZA	0-743	7-42	59-4
	AC16 surf 5	0-115	1-15	9-2	Rellenos	0-968	9-85	75-7
90-000	Suelo Cemento	1-424	14-11	122-1	AC22 bin D	0-389	3-84	33-0
	AC16 surf 5	0-266	2-63	22-5	ZA	0-743	7-42	66-8
	AC16 surf 5	0-115	1-15	10-3	Rellenos	0-864	9-15	84-8
100-000	Suelo Cemento	1-449	14-36	136-4	AC22 bin D	0-396	3-92	36-9
	AC16 surf 5	0-271	2-68	25-2	ZA	0-744	7-42	74-2
	AC16 surf 5	0-115	1-15	11-5	Rellenos	0-904	8-83	93-6
110-000	Suelo Cemento	1-451	14-49	150-9	AC22 bin D	0-397	3-96	40-9
	AC16 surf 5	0-271	2-71	27-9	ZA	0-743	7-42	81-6
	AC16 surf 5	0-115	1-15	12-6	Rellenos	0-910	9-06	102-7

Istram 18-05-05-29 18/07/18 11:56:05 459 pagina 2

PROYECTO :

EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3

***** *** MEDICIONES DE LOS PERFILES TRANSVERSALES*** *** CAPAS DE FIRME *** *** cubicacion segun distancias compensadas *** *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120-000	Suelo Cemento	1.451	14.50	165.4	AC22 bin D	0.397	3.97	44.9
	AC16 surf S	0.271	2.71	30.6	ZA	0.743	7.42	89.0
	AC16 surf S	0.115	1.15	13.8	Rellenos	0.926	9.17	111.9
130-000	Suelo Cemento	1.451	14.50	179.9	AC22 bin D	0.397	3.97	48.8
	AC16 surf S	0.271	2.71	33.3	ZA	0.744	7.42	96.4
	AC16 surf S	0.115	1.15	14.9	Rellenos	0.936	9.30	121.2
140-000	Suelo Cemento	1.451	14.50	194.4	AC22 bin D	0.397	3.97	52.8
	AC16 surf S	0.271	2.71	36.0	ZA	0.744	7.42	103.9
	AC16 surf S	0.115	1.15	16.1	Rellenos	0.941	9.37	130.5
150-000	Suelo Cemento	1.450	14.50	208.9	AC22 bin D	0.397	3.97	56.8
	AC16 surf S	0.271	2.71	38.7	ZA	0.744	7.42	111.3
	AC16 surf S	0.115	1.15	17.2	Rellenos	0.941	9.40	139.9
160-000	Suelo Cemento	1.451	14.50	223.4	AC22 bin D	0.397	3.97	60.7
	AC16 surf S	0.271	2.71	41.4	ZA	0.743	7.42	118.7
	AC16 surf S	0.115	1.15	18.4	Rellenos	0.941	9.40	149.3
170-000	Suelo Cemento	1.451	14.50	237.9	AC22 bin D	0.397	3.97	64.7
	AC16 surf S	0.271	2.71	44.1	ZA	0.744	7.42	126.1
	AC16 surf S	0.115	1.15	19.5	Rellenos	0.941	9.40	158.7
180-000	Suelo Cemento	1.451	14.50	252.4	AC22 bin D	0.397	3.97	68.7
	AC16 surf S	0.271	2.71	46.9	ZA	0.744	7.42	133.5
	AC16 surf S	0.115	1.15	20.7	Rellenos	0.941	9.40	168.1
190-000	Suelo Cemento	1.451	14.50	266.9	AC22 bin D	0.397	3.97	72.6
	AC16 surf S	0.271	2.71	49.6	ZA	0.743	7.42	141.0
	AC16 surf S	0.115	1.15	21.8	Rellenos	0.941	9.40	177.5
200-000	Suelo Cemento	1.451	14.50	281.4	AC22 bin D	0.397	3.97	76.6
	AC16 surf S	0.272	2.71	52.3	ZA	0.743	7.42	148.4
	AC16 surf S	0.115	1.15	23.0	Rellenos	0.941	9.40	186.9
210-000	Suelo Cemento	1.450	14.50	295.9	AC22 bin D	0.398	3.97	80.6
	AC16 surf S	0.271	2.71	55.0	ZA	0.744	7.42	155.8
	AC16 surf S	0.115	1.15	24.1	Rellenos	0.941	9.40	196.4
217-451	Suelo Cemento	1.451	10.80	306.7	AC22 bin D	0.397	2.96	83.5
	AC16 surf S	0.271	2.02	57.0	ZA	0.744	5.53	161.3
	AC16 surf S	0.115	0.86	25.0	Rellenos	0.941	7.01	203.4
220-000	Suelo Cemento	1.451	3.70	310.4	AC22 bin D	0.397	1.01	84.6
	AC16 surf S	0.272	0.69	57.7	ZA	0.743	1.90	163.2
	AC16 surf S	0.115	0.29	25.3	Rellenos	0.941	2.40	205.8

Istram 18-05-05-29 18/07/18 11:56:05 459

pagina 3

PROYECTO :

EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3

***** *** MEDICIONES DE LOS PERFILES TRANSVERSALES*** *** CAPAS DE FIRME *** *** cubicacion segun distancias compensadas *** *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230-000	Suelo Cemento	1.451	14.51	324.9	AC22 bin D	0.397	3.97	88.5
	AC16 surf S	0.271	2.71	60.4	ZA	0.743	7.43	170.6
	AC16 surf S	0.115	1.15	26.4	Rellenos	0.941	9.41	215.2
240-000	Suelo Cemento	1.488	14.69	339.6	AC22 bin D	0.409	4.03	92.5
	AC16 surf S	0.280	2.76	63.2	ZA	0.744	7.44	178.1
	AC16 surf S	0.115	1.15	27.6	Rellenos	0.942	9.41	224.6
250-000	Suelo Cemento	1.591	15.39	355.0	AC22 bin D	0.441	4.25	96.8
	AC16 surf S	0.303	2.91	66.1	ZA	0.743	7.43	185.5
	AC16 surf S	0.116	1.15	28.7	Rellenos	0.941	9.42	234.0
260-000	Suelo Cemento	1.694	16.42	371.4	AC22 bin D	0.474	4.58	101.4
	AC16 surf S	0.326	3.15	69.2	ZA	0.744	7.43	193.0
	AC16 surf S	0.116	1.16	29.9	Rellenos	0.941	9.41	243.4
266-365	Suelo Cemento	1.759	10.99	382.4	AC22 bin D	0.495	3.08	104.5
	AC16 surf S	0.342	2.13	71.4	ZA	0.743	4.73	197.7

270-000	AC16 surf S	0.115	0.73	30.6	Rellenos	0.942	5.99	249.4
	Suelo Cemento	1.758	6.13	388.5	AC22 bin D	0.495	1.72	106.2
	AC16 surf S	0.342	1.19	72.5	ZA	0.743	2.32	200.0
280-000	AC16 surf S	0.115	0.36	31.0	Rellenos	0.942	3.16	252.6
	Suelo Cemento	1.761	16.88	405.4	AC22 bin D	0.496	4.73	110.9
	AC16 surf S	0.342	3.26	75.8	ZA	0.710	6.24	206.2
290-000	AC16 surf S	0.110	0.98	32.0	Rellenos	0.939	8.68	261.2
	Suelo Cemento	1.792	17.03	422.4	AC22 bin D	0.506	4.78	115.7
	AC16 surf S	0.349	3.30	79.1	ZA	0.625	5.73	212.0
300-000	AC16 surf S	0.098	0.90	32.9	Rellenos	0.932	8.64	269.9
	Suelo Cemento	1.855	17.44	439.9	AC22 bin D	0.526	4.91	120.6
	AC16 surf S	0.364	3.40	82.5	ZA	0.543	5.01	217.0
310-000	AC16 surf S	0.086	0.79	33.7	Rellenos	0.925	8.59	278.5
	Suelo Cemento	1.949	18.12	458.0	AC22 bin D	0.555	5.13	125.7
	AC16 surf S	0.384	3.55	86.1	ZA	0.463	4.29	221.3
320-000	AC16 surf S	0.074	0.69	34.4	Rellenos	0.918	8.53	287.0
	Suelo Cemento	2.067	19.03	477.0	AC22 bin D	0.593	5.42	131.2
	AC16 surf S	0.411	3.76	89.8	ZA	0.384	3.58	224.8
323-520	AC16 surf S	0.062	0.58	34.9	Rellenos	0.911	8.45	295.4
	Suelo Cemento	2.107	6.93	484.0	AC22 bin D	0.608	1.99	133.1
	AC16 surf S	0.423	1.38	91.2	ZA	0.363	1.10	225.9
	AC16 surf S	0.058	0.18	35.1	Rellenos	0.913	2.96	298.4

Istram 18-05-05-29 18/07/18 11:56:05 459

pagina 4

PROYECTO :

EJE: 31: Enlace Cabeza de Pisuerga: Ramal 3

***** *** RESUMEN DE VOLUMENES TOTALES *** *****		
MATERIAL	VOLUMEN	
Suelo Cemento	484.0	
AC22 bin D	133.1	
AC16 surf S	91.2	
ZA	225.9	
AC16 surf S	35.1	
Rellenos	298.4	

Istram 18-05-05-29 18/07/18 11:56:06 459

pagina 1

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

***** *** MEDICIONES DE LOS PERFILES TRANSVERSALES*** *** CAPAS DE FIRME *** *** cubicacion segun distancias compensadas *** *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
19-369	Suelo Cemento	1.698	0.00	0.0	AC22 bin D	0.484	0.00	0.0
	AC16 surf S	0.335	0.00	0.0	ZA	0.488	0.00	0.0
	AC16 surf S	0.072	0.00	0.0	Rellenos	0.943	0.00	0.0
20-000	Suelo Cemento	1.682	1.05	1.1	AC22 bin D	0.479	0.30	0.3
	AC16 surf S	0.330	0.21	0.2	ZA	0.497	0.30	0.3
	AC16 surf S	0.073	0.04	0.0	Rellenos	0.944	0.58	0.6
30-000	Suelo Cemento	1.515	15.83	16.9	AC22 bin D	0.419	4.44	4.7
	AC16 surf S	0.287	3.06	3.3	ZA	0.625	5.42	5.7
	AC16 surf S	0.097	0.82	0.9	Rellenos	0.939	9.24	9.8
40-000	Suelo Cemento	1.487	14.89	31.8	AC22 bin D	0.404	4.08	8.8
	AC16 surf S	0.276	2.79	6.1	ZA	0.697	6.39	12.1
	AC16 surf S	0.115	1.03	1.9	Rellenos	0.909	9.08	18.9
50-000	Suelo Cemento	1.483	14.73	46.5	AC22 bin D	0.404	4.00	12.8
	AC16 surf S	0.276	2.73	8.8	ZA	0.660	6.56	18.7
	AC16 surf S	0.115	1.12	3.0	Rellenos	0.854	8.67	27.6
60-000	Suelo Cemento	1.482	14.71	61.2	AC22 bin D	0.404	4.01	16.8
	AC16 surf S	0.276	2.73	11.5	ZA	0.661	6.39	25.1
	AC16 surf S	0.115	1.12	4.1	Rellenos	0.829	8.27	35.8
70-000	Suelo Cemento	1.483	14.71	75.9	AC22 bin D	0.404	4.00	20.8
	AC16 surf S	0.275	2.73	14.3	ZA	0.661	6.39	31.5
	AC16 surf S	0.115	1.12	5.2	Rellenos	0.816	8.08	43.9

80-000	Suelo Cemento	1-482	14-71	90-6	AC22 bin D	0-404	4-01	24-8
	AC16 surf S	0-275	2-73	17-0	ZA	0-661	6-40	37-9
	AC16 surf S	0-115	1-11	6-4	Rellenos	0-816	8-01	51-9
90-000	Suelo Cemento	1-482	14-71	105-3	AC22 bin D	0-404	4-01	28-8
	AC16 surf S	0-275	2-73	19-7	ZA	0-661	6-40	44-3
	AC16 surf S	0-115	1-11	7-5	Rellenos	0-817	8-02	60-0
100-000	Suelo Cemento	1-482	14-71	120-1	AC22 bin D	0-404	4-01	32-9
	AC16 surf S	0-275	2-73	22-4	ZA	0-661	6-40	50-6
	AC16 surf S	0-115	1-12	8-6	Rellenos	0-816	8-02	68-0
110-000	Suelo Cemento	1-482	14-71	134-8	AC22 bin D	0-404	4-01	36-9
	AC16 surf S	0-275	2-73	25-2	ZA	0-661	6-40	57-0
	AC16 surf S	0-115	1-12	9-7	Rellenos	0-817	8-02	76-0
111-066	Suelo Cemento	1-483	1-57	136-3	AC22 bin D	0-404	0-43	37-3
	AC16 surf S	0-275	0-29	25-5	ZA	0-661	0-68	57-7
	AC16 surf S	0-115	0-12	9-8	Rellenos	0-816	0-85	76-9

Istram 18-05-05-29 18/07/18 11:56:06 459

pagina 2

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120-000	Suelo Cemento	1-477	13-13	149-5	AC22 bin D	0-402	3-57	40-9
	AC16 surf S	0-274	2-43	27-9	ZA	0-660	5-72	63-4
	AC16 surf S	0-115	1-00	10-8	Rellenos	0-827	7-22	84-1
130-000	Suelo Cemento	1-470	14-64	164-1	AC22 bin D	0-400	3-98	44-8
	AC16 surf S	0-272	2-71	30-6	ZA	0-661	6-44	69-9
	AC16 surf S	0-115	1-12	11-9	Rellenos	0-840	8-22	92-3
140-000	Suelo Cemento	1-461	14-58	178-7	AC22 bin D	0-397	3-96	48-8
	AC16 surf S	0-271	2-70	33-3	ZA	0-660	6-46	76-3
	AC16 surf S	0-115	1-13	13-1	Rellenos	0-854	8-38	100-7
150-000	Suelo Cemento	1-462	14-56	193-2	AC22 bin D	0-397	3-95	52-8
	AC16 surf S	0-271	2-70	36-0	ZA	0-669	6-53	82-9
	AC16 surf S	0-115	1-13	14-2	Rellenos	0-875	8-57	109-2
160-000	Suelo Cemento	1-463	14-58	207-8	AC22 bin D	0-397	3-96	56-7
	AC16 surf S	0-271	2-70	38-7	ZA	0-703	6-77	89-7
	AC16 surf S	0-115	1-14	15-3	Rellenos	0-914	8-89	118-1
170-000	Suelo Cemento	1-452	14-55	222-4	AC22 bin D	0-397	3-96	60-7
	AC16 surf S	0-272	2-71	41-4	ZA	0-738	7-14	96-8
	AC16 surf S	0-115	1-14	16-5	Rellenos	0-887	8-96	127-1
180-000	Suelo Cemento	1-434	14-41	236-8	AC22 bin D	0-397	3-96	64-6
	AC16 surf S	0-272	2-71	44-1	ZA	0-799	7-65	104-4
	AC16 surf S	0-115	1-15	17-6	Rellenos	1-306	10-94	138-0
184-538	Suelo Cemento	1-424	6-48	243-3	AC22 bin D	0-397	1-80	66-4
	AC16 surf S	0-272	1-23	45-4	ZA	0-829	3-69	108-1
	AC16 surf S	0-115	0-52	18-2	Rellenos	1-417	6-18	144-2
190-000	Suelo Cemento	1-414	7-76	251-0	AC22 bin D	0-397	2-17	68-6
	AC16 surf S	0-272	1-48	46-8	ZA	0-867	4-64	112-8
	AC16 surf S	0-115	0-63	18-8	Rellenos	1-425	7-77	152-0
200-000	Suelo Cemento	1-399	14-07	265-1	AC22 bin D	0-397	3-97	72-6
	AC16 surf S	0-273	2-72	49-6	ZA	0-918	8-94	121-7
	AC16 surf S	0-115	1-15	19-9	Rellenos	1-410	14-19	166-2
210-000	Suelo Cemento	1-400	14-00	279-1	AC22 bin D	0-397	3-97	76-5
	AC16 surf S	0-272	2-73	52-3	ZA	0-919	9-20	130-9
	AC16 surf S	0-115	1-15	21-1	Rellenos	1-436	14-24	180-4
220-000	Suelo Cemento	1-399	14-00	293-1	AC22 bin D	0-397	3-97	80-5
	AC16 surf S	0-273	2-73	55-0	ZA	0-918	9-20	140-1
	AC16 surf S	0-115	1-15	22-2	Rellenos	1-428	14-33	194-7

Istram 18-05-05-29 18/07/18 11:56:06 459

pagina 3

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***

*** cubicacion segun distancias compensadas ***								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230-000	Suelo Cemento	1-399	14-00	307-1	AC22 bin D	0-397	3-97	84-5
	AC16 surf S	0-272	2-72	57-7	ZA	0-918	9-20	149-3
	AC16 surf S	0-115	1-15	23-4	Rellenos	1-436	14-33	209-1
240-000	Suelo Cemento	1-399	14-00	321-1	AC22 bin D	0-397	3-97	88-5
	AC16 surf S	0-273	2-72	60-5	ZA	0-918	9-20	158-5
	AC16 surf S	0-115	1-15	24-5	Rellenos	1-451	14-45	223-5
250-000	Suelo Cemento	1-397	13-99	335-1	AC22 bin D	0-396	3-97	92-4
	AC16 surf S	0-272	2-72	63-2	ZA	0-919	9-20	167-7
	AC16 surf S	0-115	1-15	25-7	Rellenos	1-265	13-59	237-1
260-000	Suelo Cemento	1-363	13-80	348-9	AC22 bin D	0-389	3-93	96-4
	AC16 surf S	0-266	2-69	65-9	ZA	0-956	9-39	177-1
	AC16 surf S	0-115	1-15	26-9	Rellenos	1-356	13-11	250-2
270-000	Suelo Cemento	1-321	13-43	362-3	AC22 bin D	0-380	3-85	100-2
	AC16 surf S	0-261	2-64	68-5	ZA	0-963	9-61	186-7
	AC16 surf S	0-115	1-15	28-0	Rellenos	1-403	13-80	264-0
280-000	Suelo Cemento	1-297	13-10	375-4	AC22 bin D	0-373	3-77	104-0
	AC16 surf S	0-255	2-59	71-1	ZA	0-962	9-64	196-4
	AC16 surf S	0-115	1-15	29-2	Rellenos	1-394	13-99	278-0
290-000	Suelo Cemento	1-273	12-85	388-3	AC22 bin D	0-365	3-69	107-7
	AC16 surf S	0-250	2-53	73-6	ZA	0-962	9-64	206-0
	AC16 surf S	0-115	1-15	30-3	Rellenos	1-393	13-94	292-0
300-000	Suelo Cemento	1-262	12-68	400-9	AC22 bin D	0-362	3-63	111-3
	AC16 surf S	0-248	2-49	76-1	ZA	0-962	9-64	215-7
	AC16 surf S	0-115	1-15	31-5	Rellenos	1-393	13-94	305-9
310-000	Suelo Cemento	1-263	12-63	413-6	AC22 bin D	0-362	3-62	114-9
	AC16 surf S	0-247	2-48	78-6	ZA	0-962	9-64	225-3
	AC16 surf S	0-115	1-15	32-6	Rellenos	1-395	13-95	319-8
320-000	Suelo Cemento	1-263	12-63	426-2	AC22 bin D	0-362	3-62	118-5
	AC16 surf S	0-248	2-48	81-1	ZA	0-962	9-64	234-9
	AC16 surf S	0-115	1-15	33-8	Rellenos	1-397	13-97	333-8
330-000	Suelo Cemento	1-262	12-63	438-8	AC22 bin D	0-362	3-62	122-2
	AC16 surf S	0-248	2-48	83-6	ZA	0-963	9-64	244-6
	AC16 surf S	0-115	1-15	34-9	Rellenos	1-399	13-99	347-8
340-000	Suelo Cemento	1-263	12-63	451-5	AC22 bin D	0-362	3-62	125-8
	AC16 surf S	0-248	2-48	86-0	ZA	0-963	9-65	254-2
	AC16 surf S	0-115	1-15	36-1	Rellenos	1-402	14-01	361-8

Istram 18-05-05-29 18/07/18 11:56:06 459

pagina 4

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuerga: Ramal 4

*** MEDICIONES DE LOS PERFILES TRANSVERSALES***
*** CAPAS DE FIRME ***
*** cubicacion segun distancias compensadas ***

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350-000	Suelo Cemento	1-263	12-64	464-1	AC22 bin D	0-362	3-62	129-4
	AC16 surf S	0-248	2-48	88-5	ZA	0-963	9-65	263-9
	AC16 surf S	0-115	1-15	37-2	Rellenos	1-404	14-04	375-9
360-000	Suelo Cemento	1-263	12-64	476-7	AC22 bin D	0-362	3-62	133-0
	AC16 surf S	0-247	2-48	91-0	ZA	0-964	9-65	273-5
	AC16 surf S	0-115	1-15	38-4	Rellenos	1-407	14-06	389-9
370-000	Suelo Cemento	1-267	12-66	489-4	AC22 bin D	0-362	3-62	136-6
	AC16 surf S	0-247	2-47	93-5	ZA	0-964	9-66	283-2
	AC16 surf S	0-115	1-15	39-5	Rellenos	1-417	14-13	404-0
380-000	Suelo Cemento	1-271	12-70	502-1	AC22 bin D	0-362	3-62	140-3
	AC16 surf S	0-248	2-47	95-9	ZA	0-964	9-66	292-8
	AC16 surf S	0-115	1-15	40-7	Rellenos	1-427	14-23	418-3
382-219	Suelo Cemento	1-272	2-82	504-9	AC22 bin D	0-362	0-80	141-1
	AC16 surf S	0-248	0-55	96-5	ZA	0-964	2-14	295-0
	AC16 surf S	0-115	0-26	40-9	Rellenos	1-430	3-17	421-4

Istram 18-05-05-29 18/07/18 11:56:06 459

pagina 5

PROYECTO :

EJE: 32: Enlace Cabeza de Pisuega: Ramal 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
Suelo Cemento	504.9
AC22 bin D	141.1
AC16 surf 5	96.5
ZA	295.0
AC16 surf 5	40.9
Rellenos	421.4

LISTADOS DE MEDICIÓN DEL ENLACE EVA-30

TIERRAS ENLACE EVA-30

Istram 18.05.05.29 12/07/18 18:52:56 459

PROYECTO :

EJE: 33: Enlace VA-30: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	5.152	0.00	0.0	D TIERRA	1.915	0.00	0.0
	SUELO EST3	3.387	0.00	0.0	TERRAPLEN	0.839	0.00	0.0
	VEGETAL	2.583	0.00	0.0				
10.000	FIRME	4.667	49.07	49.1	D TIERRA	0.315	11.14	11.1
	SUELO EST3	3.284	33.34	33.3	TERRAPLEN	2.026	14.32	14.3
	VEGETAL	2.259	24.19	24.2				
20.000	FIRME	4.706	46.79	95.9	D TIERRA	0.163	2.38	13.5
	SUELO EST3	3.350	33.13	66.5	TERRAPLEN	2.335	21.77	36.1
	VEGETAL	2.302	22.78	47.0				
30.000	FIRME	4.720	47.00	142.9	D TIERRA	1.405	7.82	21.3
	SUELO EST3	3.306	33.20	99.7	TERRAPLEN	0.000	11.65	47.7
	VEGETAL	2.252	22.72	69.7				
40.000	FIRME	4.763	47.23	190.1	D TIERRA	1.224	13.11	34.5
	SUELO EST3	3.446	33.64	133.3	VEGETAL	2.334	22.86	92.5
	FIRME	4.797	47.56	237.7	D TIERRA	1.018	11.14	45.6
50.000	SUELO EST3	3.440	34.28	167.6	VEGETAL	2.349	23.32	115.9
	FIRME	4.753	47.46	285.1	D TIERRA	1.318	11.58	57.2
60.000	SUELO EST3	3.543	34.73	202.3	VEGETAL	2.408	23.66	139.5
	FIRME	4.709	46.97	332.1	D TIERRA	1.658	14.80	72.0
70.000	SUELO EST3	3.532	35.14	237.5	TERRAPLEN	0.035	0.17	47.9
	VEGETAL	2.419	23.97	163.5				
72.600	FIRME	4.699	12.14	344.2	D TIERRA	1.637	4.27	76.2
	SUELO EST3	3.585	9.18	246.6	TERRAPLEN	0.052	0.11	48.0
	VEGETAL	2.461	6.30	169.8				
80.000	FIRME	4.655	34.34	378.6	D TIERRA	0.356	7.33	83.6
	SUELO EST3	3.615	26.44	273.1	TERRAPLEN	0.343	1.44	49.5
	VEGETAL	2.533	18.34	188.1				
90.000	FIRME	4.607	45.96	424.5	D TIERRA	0.008	1.80	85.4
	SUELO EST3	3.609	35.85	308.9	TERRAPLEN	1.275	8.02	57.5
	VEGETAL	2.553	25.24	213.4				
100.000	FIRME	4.606	45.73	470.3	D TIERRA	0.011	0.09	85.5
	SUELO EST3	3.609	35.83	344.8	TERRAPLEN	1.271	12.63	70.1
	VEGETAL	2.617	25.66	239.0				
110.000	FIRME	4.606	45.72	516.0	D TIERRA	1.448	7.29	92.8
	SUELO EST3	3.584	35.70	380.5	TERRAPLEN	0.360	8.07	78.2
	VEGETAL	2.514	25.46	264.5				

Istram 18.05.05.29 12/07/18 18:52:56 459

PROYECTO :

EJE: 33: Enlace VA-30: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	4.629	45.84	561.8	D TIERRA	3.931	26.80	119.6
	SUELO EST3	3.374	34.52	415.0	TERRAPLEN	0.214	2.81	81.0
	VEGETAL	2.451	24.62	289.1				
130.000	FIRME	4.659	46.10	607.9	D TIERRA	5.294	45.87	165.4
	SUELO EST3	3.397	33.57	448.6	TERRAPLEN	0.054	1.31	82.3
	VEGETAL	2.464	24.37	313.5				
140.000	FIRME	4.679	46.36	654.3	D TIERRA	5.801	55.11	220.5
	SUELO EST3	3.411	33.76	482.3	TERRAPLEN	0.016	0.35	82.6
	VEGETAL	2.443	24.34	337.8				
150.000	FIRME	4.705	46.58	700.9	D TIERRA	5.589	56.55	277.1
	SUELO EST3	3.357	33.56	515.9	TERRAPLEN	0.016	0.16	82.8
	VEGETAL	2.361	23.84	361.7				
152.124	FIRME	4.723	9.94	710.8	D TIERRA	5.678	11.88	289.0
	SUELO EST3	3.343	7.06	523.0	TERRAPLEN	0.016	0.03	82.8
	VEGETAL	2.353	4.97	366.6				

Istram 18.05.05.29 12/07/18 18:52:56 459

PROYECTO :

EJE: 33: Enlace VA-30: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	710.8
D TIERRA	289.0
SUELO EST3	523.0
TERRAPLEN	82.8
VEGETAL	366.6

Istram 18.05.05.29 12/07/18 18:52:57 459

PROYECTO :

EJE: 34: Enlace VA-30: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	5.343	0.00	0.0	D TIERRA	6.593	0.00	0.0
	SUELO EST3	3.652	0.00	0.0	TERRAPLEN	0.041	0.00	0.0
	VEGETAL	2.712	0.00	0.0				
10.000	FIRME	5.042	50.13	50.1	D TIERRA	5.846	60.20	60.2

Istram 18.05.05.29 12/07/18 18:52:57 459

PROYECTO :

EJE: 34: Enlace VA-30: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

20.000	SUELO EST3	3.384	33.80	33.8	TERRAPLEN	0.039	0.38	0.4
	VEGETAL	2.504	25.10	25.1				
	FIRME	5.086	48.73	98.9	D TIERRA	5.088	52.74	112.9
	SUELO EST3	3.433	32.67	66.5	TERRAPLEN	0.041	0.38	0.8
	VEGETAL	2.547	24.23	49.3				
30.000	FIRME	4.735	46.99	145.9	D TIERRA	4.514	45.74	158.7
	SUELO EST3	3.322	32.26	98.7	TERRAPLEN	0.020	0.28	1.1
	VEGETAL	2.365	23.41	72.7				
40.000	FIRME	5.038	46.75	192.6	D TIERRA	5.947	49.52	208.2
	SUELO EST3	3.403	32.10	130.8	TERRAPLEN	0.040	0.28	1.3
	VEGETAL	2.532	23.32	96.1				
50.000	FIRME	4.946	47.65	240.2	D TIERRA	5.917	55.97	264.2
	SUELO EST3	3.454	32.68	163.5	TERRAPLEN	0.020	0.27	1.6
	VEGETAL	2.472	23.79	119.8				
60.000	FIRME	4.600	45.72	286.0	D TIERRA	4.435	49.08	313.3
	SUELO EST3	3.177	31.70	195.2	TERRAPLEN	0.040	0.28	1.9
	VEGETAL	2.336	22.94	142.8				
70.000	FIRME	4.467	43.90	329.9	D TIERRA	3.754	39.41	352.7
	SUELO EST3	3.171	30.67	225.9	TERRAPLEN	0.020	0.28	2.2
	VEGETAL	2.244	22.10	164.9				
80.000	FIRME	4.477	43.70	373.6	D TIERRA	4.239	38.89	391.6
	SUELO EST3	3.169	30.95	256.8	TERRAPLEN	0.019	0.18	2.3
	VEGETAL	2.253	21.92	186.8				
90.000	FIRME	4.624	44.83	418.4	D TIERRA	4.676	43.78	435.3
	SUELO EST3	3.172	31.21	288.1	TERRAPLEN	0.040	0.29	2.6
	VEGETAL	2.347	22.63	209.4				
100.000	FIRME	4.849	47.06	465.5	D TIERRA	5.406	50.02	485.4
	SUELO EST3	3.304	32.15	320.2	TERRAPLEN	0.040	0.40	3.0
	VEGETAL	2.454	23.84	233.3				
100.773	FIRME	4.856	3.74	469.2	D TIERRA	5.453	4.19	489.5
	SUELO EST3	3.307	2.55	322.8	TERRAPLEN	0.040	0.03	3.1
	VEGETAL	2.458	1.89	235.2				

Istram 18.05.05.29 12/07/18 18:52:57 459

PROYECTO :

EJE: 34: Enlace VA-30: Ramal 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	469.2
D TIERRA	489.5
SUELO EST3	322.8
TERRAPLEN	3.1
VEGETAL	235.2

Istram 18.05.05.29 17/01/19 19:10:56 1880

PROYECTO :

EJE: 79: Enlace VA-30: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.571	0.00	0.0	D TIERRA	2.015	0.00	0.0
	SUELO EST3	2.726	0.00	0.0	VEGETAL	1.946	0.00	0.0
	MUROS	0.382	0.00	0.0				
10.000	FIRME	4.571	45.68	45.7	D TIERRA	0.242	11.28	11.3
	SUELO EST3	2.820	27.71	27.7	TERRAPLEN	0.521	2.60	2.6
	VEGETAL	2.006	19.75	19.7	MUROS	0.635	5.07	5.1
20.000	FIRME	4.571	45.68	91.4	D TIERRA	0.150	1.96	13.2
	SUELO EST3	2.833	28.25	56.0	TERRAPLEN	1.420	9.70	12.3
	VEGETAL	2.052	20.28	40.0	MUROS	0.614	6.23	11.3
30.000	FIRME	4.572	45.69	137.0	D TIERRA	0.165	1.57	14.8
	SUELO EST3	2.830	28.30	84.3	TERRAPLEN	1.140	12.79	25.1
	VEGETAL	2.024	20.37	60.4	MUROS	0.603	6.07	17.4
40.000	FIRME	4.574	45.70	182.7	D TIERRA	0.158	1.61	16.4
	SUELO EST3	2.829	28.28	112.5	TERRAPLEN	2.007	15.72	40.8
	VEGETAL	2.075	20.48	80.9	MUROS	0.607	6.03	23.4
50.000	FIRME	4.579	45.74	228.5	D TIERRA	0.152	1.55	18.0
	SUELO EST3	2.824	28.25	140.8	TERRAPLEN	2.643	23.24	64.0
	VEGETAL	2.087	20.80	101.7	MUROS	0.691	6.47	29.9
60.000	FIRME	4.608	45.90	274.4	D TIERRA	0.149	1.50	19.5
	SUELO EST3	2.832	28.27	169.1	TERRAPLEN	3.803	32.21	96.3
	VEGETAL	2.116	21.01	122.7	MUROS	0.783	7.35	37.2
70.000	FIRME	4.669	46.35	320.7	D TIERRA	0.152	1.50	21.0
	SUELO EST3	2.860	28.45	197.5	TERRAPLEN	3.068	34.33	130.6
	VEGETAL	2.079	20.96	143.6	MUROS	0.824	8.01	45.2
80.000	FIRME	4.725	46.94	367.7	D TIERRA	0.293	2.22	23.2
	SUELO EST3	2.869	28.63	226.1	TERRAPLEN	1.465	22.64	153.2
	VEGETAL	2.034	20.55	164.2	MUROS	0.832	8.26	53.5
90.000	FIRME	4.781	47.49	415.2	D TIERRA	0.454	3.73	26.9
	SUELO EST3	2.864	28.65	254.8	TERRAPLEN	0.899	11.81	165.0
	VEGETAL	2.029	20.30	184.5	MUROS	0.659	7.44	60.9
100.000	FIRME	4.836	48.05	463.2	D TIERRA	0.563	5.08	32.0
	SUELO EST3	2.883	28.72	283.5	TERRAPLEN	0.632	7.64	172.7
	VEGETAL	2.043	20.35	204.9	MUROS	0.670	6.63	67.6
110.000	FIRME	4.841	48.35	511.6	D TIERRA	1.127	8.44	40.5
	SUELO EST3	2.836	28.58	312.1	TERRAPLEN	0.002	3.16	175.8
	VEGETAL	2.022	20.31	225.2	MUROS	0.611	6.39	73.9

Istram 18.05.05.29 17/01/19 19:10:56 1880

PROYECTO :

EJE: 79: Enlace VA-30: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

120.000	FIRME	4.829		48.31	559.9	D TIERRA	2.411		17.68	58.1
	SUELO EST3	2.787		28.10	340.2	VEGETAL	1.989		20.04	245.2
	MUROS	0.557		5.82	79.8					
129.357	FIRME	4.808		45.05	604.9	D TIERRA	3.410		27.22	85.3
	SUELO EST3	2.661		25.47	365.6	TERRAPLEN	0.020		0.09	175.9
	VEGETAL	1.982		18.57	263.8	MUROS	0.450		4.70	84.5
130.000	FIRME	4.809		3.09	608.0	D TIERRA	3.432		2.20	87.6
	SUELO EST3	2.662		1.71	367.3	TERRAPLEN	0.020		0.01	176.0
	VEGETAL	1.983		1.28	265.0	MUROS	0.448		0.29	84.8
140.000	FIRME	4.811		48.14	656.1	D TIERRA	3.614		35.26	122.8
	SUELO EST3	2.750		27.08	394.4	TERRAPLEN	0.000		0.10	176.1
	VEGETAL	1.966		19.76	284.8	MUROS	0.441		4.46	89.2
150.000	FIRME	4.834		48.26	704.4	D TIERRA	2.747		31.83	154.6
	SUELO EST3	2.801		27.78	422.2	VEGETAL	1.999		19.84	304.7
	MUROS	0.487		4.65	93.9					
160.000	FIRME	4.824		48.33	752.7	D TIERRA	3.520		31.36	186.0
	SUELO EST3	2.800		28.02	450.2	VEGETAL	1.998		20.00	324.7
	MUROS	0.515		5.02	98.9					
163.231	FIRME	5.880		17.31	770.0	D TIERRA	4.603		13.13	199.1
	SUELO EST3	3.534		10.24	460.5	TERRAPLEN	0.455		0.74	176.8
	VEGETAL	2.645		7.51	332.2	MUROS	0.000		0.83	99.7
170.000	FIRME	5.819		39.54	809.6	D TIERRA	4.894		32.11	231.2
	SUELO EST3	3.489		23.73	484.2	TERRAPLEN	0.489		3.18	180.0
	VEGETAL	2.635		17.84	350.0					
180.000	FIRME	5.781		57.73	867.3	D TIERRA	4.460		46.59	277.8
	SUELO EST3	3.507		34.80	519.0	TERRAPLEN	0.604		5.38	185.4
	VEGETAL	2.683		26.42	376.4					
190.000	FIRME	5.753		57.19	924.5	D TIERRA	4.008		42.04	319.9
	SUELO EST3	3.614		35.28	554.3	TERRAPLEN	0.748		6.57	191.9
	VEGETAL	2.750		26.86	403.3					
200.000	FIRME	5.701		56.59	981.1	D TIERRA	1.899		29.23	349.1
	SUELO EST3	3.696		36.10	590.4	TERRAPLEN	0.602		6.49	198.4
	VEGETAL	2.834		27.51	430.8					
210.000	FIRME	5.668		55.99	1037.1	D TIERRA	4.915		33.56	382.7
	SUELO EST3	3.692		36.36	626.8	TERRAPLEN	0.024		2.99	201.4
	VEGETAL	2.634		26.88	457.7					

Istram 18.05.05.29 17/01/19 19:10:56 1880 pagina 3
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

218.808	FIRME	5.692	49.12	1086.2		D TIERRA	4.143	39.21	421.9	
	SUELO EST3	3.683	31.86	658.6		TERRAPLEN	0.178	0.84	202.2	
	VEGETAL	2.661	22.84	480.5						
220.000	FIRME	5.692	6.65	1092.9		D TIERRA	4.164	4.88	426.8	
	SUELO EST3	3.652	4.28	662.9		TERRAPLEN	0.352	0.29	202.5	
	VEGETAL	2.708	3.12	483.6						
230.000	FIRME	5.692	55.80	1148.7		D TIERRA	5.847	49.20	476.0	
	SUELO EST3	3.609	35.52	698.4		TERRAPLEN	0.071	1.97	204.5	
	VEGETAL	2.564	25.70	509.3						
240.000	FIRME	5.692	55.80	1204.5		D TIERRA	7.108	63.66	539.6	
	SUELO EST3	3.639	35.46	733.9		TERRAPLEN	0.020	0.42	204.9	
	VEGETAL	2.533	24.89	534.2						
250.000	FIRME	5.687	55.77	1260.2		D TIERRA	7.038	69.37	609.0	
	SUELO EST3	3.541	35.18	769.1		TERRAPLEN	0.000	0.09	205.0	
	VEGETAL	2.436	24.33	558.6						
251.448	FIRME	5.688	8.07	1268.3		D TIERRA	7.234	10.10	619.1	
	SUELO EST3	3.545	5.03	774.1		VEGETAL	2.426	3.45	562.0	

Istram 18.05.05.29 17/01/19 19:10:56 1880 pagina 4
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN

FIRME	1268.3
D TIERRA	619.1
SUELO EST3	774.1
TERRAPLEN	205.0
VEGETAL	562.0
MUROS	99.7

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 1
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	FIRME	5.704	0.00	0.0		D TIERRA	6.391	0.00	0.0	
	SUELO EST3	3.515	0.00	0.0		TERRAPLEN	0.086	0.00	0.0	
	VEGETAL	2.532	0.00	0.0						
10.000	FIRME	5.719	56.77	56.8		D TIERRA	6.480	64.00	64.0	
	SUELO EST3	3.682	35.75	35.8		TERRAPLEN	0.073	0.78	0.8	
	VEGETAL	2.758	26.25	26.3						

20.000	FIRME	5.718	56.84	113.6	D TIERRA	5.848	61.29	125.3
	SUELO EST3	3.562	35.99	71.7	TERRAPLEN	0.038	0.54	1.3
	VEGETAL	2.525	26.23	52.5				
30.000	FIRME	5.719	56.84	170.5	D TIERRA	5.923	58.52	183.8
	SUELO EST3	3.697	36.07	107.8	TERRAPLEN	0.104	0.69	2.0
	VEGETAL	2.751	26.19	78.7				
33.352	FIRME	5.719	19.06	189.5	D TIERRA	5.647	19.28	203.1
	SUELO EST3	3.697	12.32	120.1	TERRAPLEN	0.125	0.38	2.4
	VEGETAL	2.777	9.20	87.9				
40.000	FIRME	5.724	37.82	227.3	D TIERRA	4.603	33.90	237.0
	SUELO EST3	3.647	24.27	144.4	TERRAPLEN	0.420	1.78	4.2
	VEGETAL	2.800	18.40	106.3				
50.000	FIRME	5.734	57.00	284.3	D TIERRA	3.011	37.91	274.9
	SUELO EST3	3.700	36.54	180.9	TERRAPLEN	0.708	5.58	9.7
	VEGETAL	3.058	29.10	135.4				
60.000	FIRME	5.743	57.14	341.5	D TIERRA	1.633	23.14	298.0
	SUELO EST3	3.701	36.84	217.8	TERRAPLEN	2.225	14.53	24.3
	VEGETAL	3.447	32.35	167.7				
70.000	FIRME	5.752	57.28	398.8	D TIERRA	0.014	8.22	306.3
	SUELO EST3	3.702	36.88	254.7	TERRAPLEN	4.401	32.91	57.2
	VEGETAL	3.458	34.37	202.1				
80.000	FIRME	5.762	57.41	456.2	D TIERRA	0.000	0.07	306.3
	SUELO EST3	3.703	36.92	291.6	TERRAPLEN	6.741	55.51	112.7
	VEGETAL	3.400	34.18	236.3				
90.000	FIRME	5.771	57.55	513.7	SUELO EST3	3.704	36.97	328.6
	TERRAPLEN	9.887	82.94	195.6	VEGETAL	3.432	34.08	270.3
100.000	FIRME	5.809	57.83	571.6	SUELO EST3	3.709	37.02	365.6
	TERRAPLEN	13.829	118.40	314.0	VEGETAL	3.361	33.92	304.3
109.407	FIRME	5.896	55.03	626.6	SUELO EST3	3.718	34.92	400.5
	TERRAPLEN	15.966	140.07	454.1	VEGETAL	3.409	31.83	336.1
110.000	FIRME	5.902	3.50	630.1	SUELO EST3	3.720	2.21	402.7
	TERRAPLEN	16.177	9.54	463.7	VEGETAL	3.413	2.03	338.1

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 2
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	5.999		59.58	689.7	SUELO EST3	3.730		37.29	440.0
	TERRAPLEN	20.155		181.93	645.6	VEGETAL	3.486		34.54	372.7
130.000	FIRME	6.021		60.17	749.8	SUELO EST3	3.733		37.36	477.4
	TERRAPLEN	22.596		214.07	859.7	VEGETAL	3.534		35.15	407.8
140.000	FIRME	6.021		60.29	810.1	SUELO EST3	3.734		37.38	514.7
	TERRAPLEN	24.128		233.96	1093.6	VEGETAL	3.574		35.59	443.4
150.000	FIRME	6.021		60.29	870.4	SUELO EST3	3.733		37.38	552.1
	TERRAPLEN	24.195		241.95	1335.6	VEGETAL	3.579		35.82	479.2
160.000	FIRME	6.021		60.28	930.7	SUELO EST3	3.734		37.38	589.5
	TERRAPLEN	23.487		238.74	1574.3	VEGETAL	3.568		35.78	515.0
170.000	FIRME	6.021		60.29	991.0	SUELO EST3	3.733		37.38	626.9
	TERRAPLEN	22.394		229.72	1804.0	VEGETAL	3.528		35.53	550.5
180.000	FIRME	6.021		60.29	1051.3	SUELO EST3	3.733		37.38	664.3
	TERRAPLEN	20.580		215.16	2019.2	VEGETAL	3.525		35.31	585.8
190.000	FIRME	6.021		60.29	1111.6	SUELO EST3	3.733		37.38	701.6
	TERRAPLEN	18.848		197.41	2216.6	VEGETAL	3.492		35.13	621.0
200.000	FIRME	6.021		60.28	1171.8	SUELO EST3	3.733		37.38	739.0
	TERRAPLEN	17.190		180.45	2397.1	VEGETAL	3.463		34.82	655.8
210.000	FIRME	6.021		60.28	1232.1	SUELO EST3	3.733		37.37	776.4
	TERRAPLEN	16.710		169.75	2566.8	VEGETAL	3.481		34.77	690.6
220.000	FIRME	6.021		60.28	1292.4	SUELO EST3	3.733		37.38	813.8
	TERRAPLEN	15.249		160.03	2726.8	VEGETAL	3.442		34.67	725.2
222.947	FIRME	6.021		17.77	1310.2	SUELO EST3	3.734		11.02	824.8
	TERRAPLEN	14.571		44.01	2770.8	VEGETAL	3.409		10.11	735.3
230.000	FIRME	6.021		42.42	1352.6	SUELO EST3	3.733		26.30	851.1
	TERRAPLEN	13.118		97.49	2868.3	VEGETAL	3.367		23.86	759.2
240.000	FIRME	5.984		59.95	1412.5	SUELO EST3	3.711		37.18	888.3
	TERRAPLEN	12.389		127.34	2995.7	VEGETAL	3.278		33.18	792.4
250.000	FIRME	5.928		59.49	1472.0	SUELO EST3	3.678		36.90	925.2
	TERRAPLEN	11.682		120.18	3115.8	VEGETAL	3.168		32.18	824.6
260.000	FIRME	5.873		58.94	1531.0	SUELO EST3	3.645		36.57	961.7
	TERRAPLEN	11.339		114.94	3230.8	VEGETAL	3.150		31.55	856.1
270.000	FIRME	5.818		58.39	1589.4	SUELO EST3	3.612		36.24	998.0
	TERRAPLEN	11.764		115.35	3346.1	VEGETAL	3.180		31.60	887.7
280.000	FIRME	5.771		57.88	1647.2	SUELO EST3	3.584		35.94	1033.9
	TERRAPLEN	10.903		113.17	3459.3	VEGETAL	3.118		31.45	919.2
290.000	FIRME	5.771		57.65	1704.9	SUELO EST3	3.584		35.80	1069.7
	TERRAPLEN	10.000		104.37	3563.7	VEGETAL	3.113		31.11	950.3

334.087	VEGETAL	2.441	25.13	1059.4				
	FIRME	5.527	22.60	1953.7	D TIERRA	0.124	0.56	307.6
	SUELO EST3	3.538	14.43	1226.7	TERRAPLEN	0.525	2.72	3777.8
	VEGETAL	2.422	9.93	1069.3				

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :

EJE: 80: Enlace VA-30: Ramal 4

pagina 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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FIRME	1953.7
D TIERRA	307.6
SUELO EST3	1226.7
TERRAPLEN	3777.8
VEGETAL	1069.3

DESBROCE ENLACE EVA-30

Istram 18.05.05.29 12/07/18 18:53:14 459
PROYECTO :
EJE: 33: Enlace VA-30: Ramal 1

pagina 1

* * * D E S B R O C E S * * *										
* * * cubicacion segun distancias compensadas * * *										

PK inicial		:	0.000							
PK final		:	152.124							
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--						
0.000	4.843	5.073	8.071	8.147	0.000	0.000	0.000	0.000	0.000	0.000
10.000	1.442	1.492	9.851	9.898	31.396	89.577	32.791	90.190	90.190	90.190
20.000	1.104	1.133	10.408	10.445	44.091	190.763	45.881	191.794	191.794	191.794
30.000	6.836	6.849	4.427	4.428	83.713	264.758	85.709	265.979	265.979	265.979
40.000	6.811	6.814	4.860	4.861	151.746	311.006	153.818	312.236	312.236	312.236
50.000	3.853	3.854	7.894	7.897	204.718	374.619	206.807	375.870	375.870	375.870
60.000	6.123	6.131	5.918	5.921	254.038	443.605	256.167	444.885	444.885	444.885
70.000	9.757	9.768	2.339	2.354	332.830	484.680	335.054	486.049	486.049	486.049
72.600	9.871	9.894	2.432	2.449	358.228	490.760	360.496	492.170	492.170	492.170
80.000	1.924	1.934	10.740	10.771	401.623	539.046	404.009	540.631	540.631	540.631
90.000	0.520	0.525	12.245	12.268	413.720	653.139	416.176	654.986	654.986	654.986
100.000	0.709	0.713	12.377	12.411	419.830	775.343	422.333	777.468	777.468	777.468
110.000	6.675	6.698	5.894	5.925	456.699	865.788	459.343	868.236	868.236	868.236
120.000	10.575	10.715	1.682	1.730	542.588	903.015	546.050	905.849	905.849	905.849
130.000	11.729	11.884	0.589	0.616	653.343	914.124	658.269	917.321	917.321	917.321
140.000	12.213	12.342	0.002	0.003	772.142	917.017	778.468	920.344	920.344	920.344
150.000	11.805	11.866	0.000	0.000	891.317	917.029	898.578	920.357	920.357	920.357
152.124	11.765	11.822	0.000	0.000	916.162	917.029	923.547	920.357	920.357	920.357

Istram 18.05.05.29 12/07/18 18:53:14 459
PROYECTO :
EJE: 34: Enlace VA-30: Ramal 2

pagina 1

* * * D E S B R O C E S * * *										
* * * cubicacion segun distancias compensadas * * *										

PK inicial		:	0.000							
PK final		:	100.773							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN
	PLANTA--	REAL--	PLANTA--	REAL--						
0.000	13.559	13.577	0.000	0.000	0.000	0.000		0.000	0.000	0.000
10.000	12.522	12.552	0.000	0.000	125.505	0.000		125.733	0.000	0.000
20.000	12.734	12.772	0.000	0.000	246.675	0.000		247.222	0.000	0.000
30.000	11.823	11.840	0.000	0.000	363.713	0.000		364.515	0.000	0.000
40.000	12.663	12.672	0.000	0.000	480.314	0.000		481.234	0.000	0.000
50.000	12.364	12.370	0.000	0.000	599.259	0.000		600.248	0.000	0.000
60.000	11.680	11.683	0.000	0.000	713.957	0.000		714.990	0.000	0.000
70.000	11.219	11.222	0.000	0.000	824.481	0.000		825.544	0.000	0.000
80.000	11.267	11.270	0.000	0.000	934.074	0.000		935.166	0.000	0.000
90.000	11.736	11.739	0.000	0.000	1047.227	0.000		1048.346	0.000	0.000
100.000	12.272	12.276	0.000	0.000	1166.427	0.000		1167.582	0.000	0.000
100.773	12.289	12.293	0.000	0.000	1175.901	0.000		1177.059	0.000	0.000

Istram 18.05.05.29 17/01/19 19:10:56 1880
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

pagina 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	251.448						

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	-PLANTA-	--REAL--	-PLANTA-	--REAL--			DESMONTE	TERRAPLEN	
0.000	9.730	9.739	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	0.798	0.799	9.232	9.237	52.603	46.135	52.652	46.158	
20.000	0.802	0.802	9.458	9.458	60.596	139.536	60.650	139.583	
30.000	0.796	0.796	9.322	9.324	68.577	233.389	68.632	233.444	
40.000	0.804	0.806	9.571	9.573	76.568	327.807	76.631	327.877	
50.000	0.805	0.805	9.633	9.633	84.606	423.781	84.678	423.860	
60.000	0.803	0.803	9.778	9.778	92.636	520.789	92.709	520.868	
70.000	0.794	0.795	9.598	9.600	100.612	617.620	100.687	617.709	
80.000	1.043	1.046	9.128	9.139	109.793	711.193	109.881	711.349	
90.000	2.143	2.144	8.004	8.008	125.722	796.780	125.828	797.015	
100.000	2.622	2.623	7.596	7.599	149.549	874.700	149.665	874.968	
110.000	4.701	4.701	5.412	5.413	186.166	939.661	186.290	939.945	
120.000	9.946	9.949	0.000	0.000	259.362	966.682	259.504	966.971	
129.357	9.911	9.912	0.000	0.000	352.189	966.682	352.347	966.971	
130.000	9.916	9.917	0.000	0.000	358.568	966.682	358.727	966.971	
140.000	9.832	9.832	0.000	0.000	457.389	966.682	457.552	966.971	
150.000	9.993	9.998	0.000	0.000	556.591	966.682	556.782	966.971	
160.000	9.990	10.011	0.000	0.000	656.585	966.682	656.909	966.971	
163.231	11.164	11.232	2.063	2.224	690.792	970.026	691.260	970.577	
170.000	11.053	11.124	2.122	2.303	765.889	984.129	766.825	985.834	
180.000	11.025	11.097	2.389	2.616	875.790	1006.353	877.430	1010.068	
190.000	11.037	11.133	2.713	2.916	985.267	1031.182	987.731	1036.986	

200.000	10.431	10.523	3.741	3.860	1091.458	1062.516	1094.836	1069.877	1069.877
210.000	12.914	13.149	0.256	0.269	1206.382	1081.982	1211.365	1089.990	1089.990
218.808	11.828	11.979	1.478	1.533	1313.324	1089.255	1319.978	1097.554	1097.554
220.000	11.438	11.589	2.101	2.194	1326.930	1091.250	1333.759	1099.632	1099.632
230.000	12.075	12.278	0.744	0.783	1442.133	1104.554	1450.668	1113.548	1113.548
240.000	12.215	12.498	0.449	0.466	1560.995	1110.127	1571.902	1119.380	1119.380
250.000	12.180	12.402	0.000	0.000	1680.553	1112.224	1693.953	1121.557	1121.557
251.448	12.128	12.356	0.000	0.000	1697.826	1112.224	1711.547	1121.557	1121.557

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

pagina 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:		0.000					
PK final		:		334.087					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--					
0.000	11.979	12.146	0.681	0.726	0.000	0.000	0.000	0.000	
10.000	13.523	13.921	0.269	0.279	126.610	4.656	129.396	4.929	
20.000	12.281	12.432	0.344	0.366	254.723	7.660	260.219	8.093	
30.000	13.078	13.402	0.674	0.704	380.691	12.654	388.540	13.342	
33.352	13.356	13.682	0.527	0.567	424.702	14.629	433.628	15.432	
40.000	12.112	12.312	1.887	2.018	508.824	22.505	519.475	23.866	
50.000	11.401	11.694	3.889	4.041	625.711	51.132	638.799	53.892	
60.000	9.555	9.739	7.683	8.184	730.002	108.595	745.457	114.594	
70.000	1.003	1.053	16.287	16.773	782.592	227.853	799.214	238.757	
80.000	0.802	0.824	16.199	16.562	791.561	389.762	808.543	404.893	
90.000	0.719	0.726	16.439	16.739	799.139	552.566	816.267	571.000	
100.000	0.627	0.627	16.179	16.295	805.856	715.423	823.022	735.934	
109.407	0.628	0.629	16.418	16.522	811.754	868.672	828.923	890.217	
110.000	0.628	0.628	16.439	16.540	812.127	878.428	829.297	900.034	
120.000	0.627	0.628	16.801	16.870	818.413	1044.856	835.586	1067.321	
130.000	0.625	0.626	17.046	17.111	824.687	1214.329	841.864	1237.466	
140.000	0.617	0.618	17.255	17.330	830.911	1386.073	848.091	1409.911	
150.000	0.614	0.615	17.280	17.350	837.078	1558.982	854.263	1583.549	
160.000	0.627	0.627	17.210	17.304	843.292	1731.664	860.482	1757.057	
170.000	0.631	0.632	17.007	17.132	849.590	1902.984	866.789	1929.474	
180.000	0.665	0.668	16.960	17.099	856.080	2073.055	873.298	2100.864	
190.000	0.685	0.690	16.775	16.899	862.843	2241.966	880.097	2271.096	
200.000	0.718	0.726	16.598	16.721	869.874	2409.071	887.190	2439.442	
210.000	0.771	0.785	16.636	16.784	877.335	2575.485	894.759	2607.216	
220.000	0.815	0.836	16.393	16.548	885.282	2740.877	902.879	2774.128	
222.947	0.814	0.834	16.229	16.382	887.688	2789.018	905.346	2822.724	
230.000	0.834	0.857	16.003	16.172	893.483	2902.515	911.296	2937.346	
240.000	1.002	1.054	15.389	15.486	902.639	3059.244	920.825	3095.393	
250.000	1.060	1.121	14.780	14.824	912.920	3209.878	931.668	3246.734	
260.000	1.275	1.377	14.475	14.509	924.561	3355.962	944.121	3393.211	
270.000	1.440	1.573	14.459	14.523	938.094	3500.449	958.822	3538.189	
280.000	1.255	1.353	14.336	14.415	951.525	3644.242	973.405	3682.694	
290.000	1.280	1.383	14.282	14.382	964.163	3787.149	987.041	3826.491	
300.000	1.227	1.320	13.274	13.291	976.664	3924.761	1000.513	3964.686	
310.000	0.636	0.641	12.663	12.669	985.957	4054.298	1010.296	4094.339	
320.000	0.796	0.822	12.157	12.162	993.102	4178.264	1017.599	4218.357	
330.000	1.027	1.029	11.180	11.183	1002.207	4294.819	1026.847	4334.953	

FIRMES ENLACE EVA-30

Istram 18.05.05.29 12/07/18 18:52:56 459
PROYECTO :
EJE: 33: Enlace VA-30: Ramal 1

pagina 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.322	0.00	0.0	AC32 base G	0.539	0.00	0.0
	AC22 bin D	0.258	0.00	0.0	AC16 surf S	0.248	0.00	0.0
	Suelo Cemento	0.942	0.00	0.0	AC22 bin D	0.115	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.613	0.00	0.0
10.000	Suelo Cemento	1.319	13.20	13.2	AC32 base G	0.540	5.39	5.4
	AC22 bin D	0.257	2.57	2.6	AC16 surf S	0.248	2.48	2.5
	Suelo Cemento	0.951	9.45	9.5	AC22 bin D	0.115	1.15	1.1
	AC16 surf S	0.115	1.15	1.1	Rellenos	1.123	13.67	13.7
20.000	Suelo Cemento	1.316	13.16	26.4	AC32 base G	0.540	5.39	10.8
	AC22 bin D	0.258	2.57	5.1	AC16 surf S	0.247	2.47	5.0
	Suelo Cemento	0.959	9.52	19.0	AC22 bin D	0.115	1.15	2.3
	AC16 surf S	0.115	1.15	2.3	Rellenos	1.156	11.37	25.0
30.000	Suelo Cemento	1.314	13.13	39.5	AC32 base G	0.540	5.39	16.2
	AC22 bin D	0.257	2.57	7.7	AC16 surf S	0.248	2.47	7.4
	Suelo Cemento	0.968	9.59	28.6	AC22 bin D	0.115	1.15	3.4
	AC16 surf S	0.115	1.15	3.4	Rellenos	1.164	11.56	36.6
40.000	Suelo Cemento	1.327	13.18	52.7	AC32 base G	0.548	5.43	21.6
	AC22 bin D	0.262	2.59	10.3	AC16 surf S	0.252	2.49	9.9
	Suelo Cemento	0.976	9.65	38.2	AC22 bin D	0.115	1.14	4.6
	AC16 surf S	0.115	1.14	4.6	Rellenos	1.169	11.60	48.2
50.000	Suelo Cemento	1.352	13.36	66.0	AC32 base G	0.559	5.52	27.1
	AC22 bin D	0.267	2.64	12.9	AC16 surf S	0.258	2.54	12.5
	Suelo Cemento	0.968	9.63	47.8	AC22 bin D	0.115	1.14	5.7
	AC16 surf S	0.115	1.14	5.7	Rellenos	1.164	11.59	59.8
60.000	Suelo Cemento	1.396	13.70	79.7	AC32 base G	0.570	5.63	32.8
	AC22 bin D	0.273	2.69	15.6	AC16 surf S	0.263	2.59	15.1
	Suelo Cemento	0.901	9.24	57.1	AC22 bin D	0.115	1.14	6.9
	AC16 surf S	0.115	1.14	6.9	Rellenos	1.121	11.33	71.1
70.000	Suelo Cemento	1.441	14.14	93.9	AC32 base G	0.581	5.74	38.5
	AC22 bin D	0.278	2.74	18.4	AC16 surf S	0.268	2.64	17.7
	Suelo Cemento	0.835	8.56	65.6	AC22 bin D	0.115	1.13	8.0
	AC16 surf S	0.115	1.14	8.0	Rellenos	1.076	10.88	82.0
72.600	Suelo Cemento	1.454	3.75	97.6	AC32 base G	0.584	1.51	40.0
	AC22 bin D	0.280	0.72	19.1	AC16 surf S	0.269	0.70	18.4
	Suelo Cemento	0.818	2.12	67.7	AC22 bin D	0.115	0.29	8.3
	AC16 surf S	0.115	0.29	8.3	Rellenos	1.065	2.76	84.8

Istram 18.05.05.29 12/07/18 18:52:56 459
PROYECTO :
EJE: 33: Enlace VA-30: Ramal 1

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
80.000	Suelo Cemento	1.483	10.83	108.5	AC32 base G	0.590	4.33	44.3
	AC22 bin D	0.283	2.07	21.2	AC16 surf S	0.271	1.99	20.4
	Suelo Cemento	0.768	5.77	73.5	AC22 bin D	0.115	0.84	9.1
	AC16 surf S	0.115	0.84	9.1	Rellenos	1.030	7.67	92.4
90.000	Suelo Cemento	1.498	14.85	123.3	AC32 base G	0.589	5.87	50.2
	AC22 bin D	0.283	2.82	24.0	AC16 surf S	0.271	2.70	23.1
	Suelo Cemento	0.730	7.37	80.9	AC22 bin D	0.115	1.13	10.3
	AC16 surf S	0.115	1.13	10.3	Rellenos	1.005	10.08	102.5
100.000	Suelo Cemento	1.497	14.92	138.2	AC32 base G	0.589	5.87	56.1
	AC22 bin D	0.282	2.81	26.8	AC16 surf S	0.272	2.71	25.8
	Suelo Cemento	0.730	7.19	88.1	AC22 bin D	0.115	1.13	11.4
	AC16 surf S	0.115	1.13	11.4	Rellenos	1.005	9.95	112.5
110.000	Suelo Cemento	1.497	14.92	153.2	AC32 base G	0.590	5.87	62.0
	AC22 bin D	0.282	2.81	29.6	AC16 surf S	0.272	2.71	28.5
	Suelo Cemento	0.730	7.19	95.3	AC22 bin D	0.115	1.13	12.5
	AC16 surf S	0.115	1.14	12.5	Rellenos	1.005	9.95	122.4
120.000	Suelo Cemento	1.498	14.92	168.1	AC32 base G	0.589	5.87	67.8
	AC22 bin D	0.283	2.81	32.4	AC16 surf S	0.271	2.70	31.2
	Suelo Cemento	0.730	7.19	102.5	AC22 bin D	0.115	1.13	13.7
	AC16 surf S	0.115	1.14	13.7	Rellenos	1.027	10.07	132.5
130.000	Suelo Cemento	1.497	14.92	183.0	AC32 base G	0.590	5.87	73.7
	AC22 bin D	0.282	2.81	35.2	AC16 surf S	0.271	2.70	33.9
	Suelo Cemento	0.730	7.19	109.6	AC22 bin D	0.115	1.13	14.8
	AC16 surf S	0.115	1.13	14.8	Rellenos	1.057	10.33	142.8
140.000	Suelo Cemento	1.498	14.93	197.9	AC32 base G	0.589	5.87	79.6
	AC22 bin D	0.282	2.81	38.0	AC16 surf S	0.272	2.70	36.6
	Suelo Cemento	0.730	7.19	116.8	AC22 bin D	0.115	1.13	15.9
	AC16 surf S	0.115	1.13	15.9	Rellenos	1.078	10.58	153.4
150.000	Suelo Cemento	1.485	14.86	212.8	AC32 base G	0.590	5.87	85.4
	AC22 bin D	0.282	2.81	40.9	AC16 surf S	0.271	2.70	39.3
	Suelo Cemento	0.764	7.35	124.2	AC22 bin D	0.115	1.13	17.1
	AC16 surf S	0.115	1.14	17.1	Rellenos	1.083	10.71	164.1
152.124	Suelo Cemento	1.479	3.14	215.9	AC32 base G	0.590	1.25	86.7
	AC22 bin D	0.283	0.60	41.5	AC16 surf S	0.271	0.57	39.9
	Suelo Cemento	0.778	1.61	125.8	AC22 bin D	0.115	0.24	17.3
	AC16 surf S	0.115	0.24	17.3	Rellenos	1.092	2.29	166.4

Istram 18.05.05.29 12/07/18 18:52:57 459
PROYECTO :
EJE: 33: Enlace VA-30: Ramal 1

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.532	0.00	0.0	AC32 base G	0.590	0.00	0.0
	AC22 bin D	0.283	0.00	0.0	AC16 surf S	0.271	0.00	0.0
	Suelo Cemento	0.646	0.00	0.0	AC22 bin D	0.115	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.792	0.00	0.0
10.000	Suelo Cemento	1.584	15.31	15.3	AC32 base G	0.590	5.77	5.8
	AC22 bin D	0.282	2.76	2.8	AC16 surf S	0.270	2.64	2.6
	Suelo Cemento	0.646	5.89	5.9	AC22 bin D	0.115	1.05	1.1
	AC16 surf S	0.115	1.06	1.1	Rellenos	1.438	15.64	15.6
20.000	Suelo Cemento	1.602	15.67	31.0	AC32 base G	0.590	5.76	11.5
	AC22 bin D	0.282	2.76	5.5	AC16 surf S	0.270	2.64	5.3
	Suelo Cemento	0.647	5.89	11.8	AC22 bin D	0.115	1.05	2.1
	AC16 surf S	0.115	1.06	2.1	Rellenos	1.465	13.89	29.5
30.000	Suelo Cemento	1.603	15.77	46.8	AC32 base G	0.590	5.76	17.3
	AC22 bin D	0.282	2.76	8.3	AC16 surf S	0.270	2.64	7.9
	Suelo Cemento	0.647	5.90	17.7	AC22 bin D	0.115	1.05	3.2
	AC16 surf S	0.115	1.06	3.2	Rellenos	1.113	12.06	41.6
40.000	Suelo Cemento	1.602	15.77	62.5	AC32 base G	0.590	5.76	23.1
	AC22 bin D	0.282	2.76	11.0	AC16 surf S	0.271	2.64	10.6
	Suelo Cemento	0.646	5.90	23.6	AC22 bin D	0.115	1.05	4.2
	AC16 surf S	0.115	1.06	4.2	Rellenos	1.417	11.81	53.4
50.000	Suelo Cemento	1.574	15.63	78.1	AC32 base G	0.582	5.73	28.8
	AC22 bin D	0.279	2.74	13.8	AC16 surf S	0.266	2.62	13.2
	Suelo Cemento	0.646	5.90	29.5	AC22 bin D	0.115	1.06	5.3
	AC16 surf S	0.115	1.06	5.3	Rellenos	1.369	12.92	66.3
60.000	Suelo Cemento	1.515	15.20	93.3	AC32 base G	0.571	5.64	34.4
	AC22 bin D	0.273	2.70	16.5	AC16 surf S	0.261	2.58	15.8
	Suelo Cemento	0.646	5.91	35.4	AC22 bin D	0.115	1.06	6.3
	AC16 surf S	0.115	1.06	6.3	Rellenos	1.104	11.56	77.9
70.000	Suelo Cemento	1.492	14.84	108.2	AC32 base G	0.560	5.56	40.0
	AC22 bin D	0.268	2.66	19.1	AC16 surf S	0.256	2.54	18.3
	Suelo Cemento	0.646	6.01	41.4	AC22 bin D	0.115	1.07	7.4
	AC16 surf S	0.115	1.08	7.4	Rellenos	1.016	10.13	88.0
80.000	Suelo Cemento	1.474	14.70	122.9	AC32 base G	0.549	5.48	45.5
	AC22 bin D	0.262	2.62	21.8	AC16 surf S	0.250	2.50	20.8
	Suelo Cemento	0.646	6.14	47.5	AC22 bin D	0.115	1.10	8.5
	AC16 surf S	0.115	1.10	8.5	Rellenos	1.066	10.07	98.1

Istram 18.05.05.29 12/07/18 18:52:57 459
PROYECTO :
EJE: 34: Enlace VA-30: Ramal 2

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.532	0.00	0.0	AC32 base G	0.590	0.00	0.0
	AC22 bin D	0.283	0.00	0.0	AC16 surf S	0.271	0.00	0.0
	Suelo Cemento	0.646	0.00	0.0	AC22 bin D	0.115	0.00	0.0
10.000	AC16 surf S	0.115	0.00	0.0	Rellenos	1.792	0.00	0.0
	Suelo Cemento	1.584	15.31	15.3	AC32 base G	0.590	5.77	5.8
	AC22 bin D	0.282	2.76	2.8	AC16 surf S	0.270	2.64	2.6
	Suelo Cemento	0.646	5.89	5.9	AC22 bin D	0.115	1.05	1.1
	AC16 surf S	0.115	1.06	1.1	Rellenos	1.438	15.64	15.6
	Suelo Cemento	1.602	15.67	31.0	AC32 base G	0.590	5.76	11.5
20.000	AC22 bin D	0.282	2.76	5.5	AC16 surf S	0.270	2.64	5.3
	Suelo Cemento	0.647	5.89	11.8	AC22 bin D	0.115	1.05	2.1
	AC16 surf S	0.115	1.06	2.1	Rellenos	1.465	13.89	29.5
30.000	Suelo Cemento	1.603	15.77	46.8	AC32 base G	0.590	5.76	17.3
	AC22 bin D	0.282	2.76	8.3	AC16 surf S	0.270	2.64	7.9
	Suelo Cemento	0.647	5.90	17.7	AC22 bin D	0.115	1.05	3.2
	AC16 surf S	0.115	1.06	3.2	Rellenos	1.113	12.06	41.6
	Suelo Cemento	1.602	15.77	62.5	AC32 base G	0.590	5.76	23.1
	AC22 bin D	0.282	2.76	11.0	AC16 surf S	0.271	2.64	10.6
	Suelo Cemento	0.646	5.90	23.6	AC22 bin D	0.115	1.05	4.2
	AC16 surf S	0.115	1.06	4.2	Rellenos	1.417	11.81	53.4
	Suelo Cemento	1.574	15.63	78.1	AC32 base G	0.582	5.73	28.8
50.000	AC22 bin D	0.279	2.74	13.8	AC16 surf S	0.266	2.62	13.2
	Suelo Cemento	0.646	5.90	29.5	AC22 bin D	0.115	1.06	5.3
	AC16 surf S	0.115	1.06	5.3	Rellenos	1.369	12.92	66.3
60.000	Suelo Cemento	1.515	15.20	93.3	AC32 base G	0.571	5.64	34.4
	AC22 bin D	0.273	2.70	16.5	AC16 surf S	0.261	2.58	15.8
	Suelo Cemento	0.646	5.91	35.4	AC22 bin D	0.115	1.06	6.3
	AC16 surf S	0.115	1.06	6.3	Rellenos	1.104	11.56	77.9
	Suelo Cemento	1.492	14.84	108.2	AC32 base G	0.560	5.56	40.0
	AC22 bin D	0.268	2.66	19.1	AC16 surf S	0.256	2.54	18.3
	Suelo Cemento	0.646	6.01	41.4	AC22 bin D	0.115	1.07	7.4
	AC16 surf S	0.115	1.08	7.4	Rellenos	1.016	10.13	88.0
	Suelo Cemento	1.474	14.70	122.9	AC32 base G	0.549	5.48	45.5
80.000	AC22 bin D	0.262	2.62	21.8	AC16 surf S	0.250	2.50	20.8
	Suelo Cemento	0.646	6.14	47.5	AC22 bin D	0.115	1.10	8.5
	AC16 surf S	0.115	1.10	8.5	Rellenos	1.066	10.07	98.1

AC22 bin D 10.8
AC16 surf S 10.9
Rellenos 124.0
Istram 18.05.05.29 17/01/19 19:10:56 1880
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	Suelo Cemento	1.404	0.00	0.0	AC32 base G	0.540	0.00	0.0	
	AC22 bin D	0.258	0.00	0.0	AC16 surf S	0.247	0.00	0.0	
	Suelo Cemento	0.568	0.00	0.0	AC22 bin D	0.109	0.00	0.0	
	AC16 surf S	0.114	0.00	0.0	Rellenos	1.331	0.00	0.0	
10.000	Suelo Cemento	1.402	14.02	14.0	AC32 base G	0.540	5.40	5.4	
	AC22 bin D	0.258	2.58	2.6	AC16 surf S	0.248	2.47	2.5	
	Suelo Cemento	0.570	5.68	5.7	AC22 bin D	0.109	1.09	1.1	
	AC16 surf S	0.114	1.14	1.1	Rellenos	1.331	13.31	13.3	
20.000	Suelo Cemento	1.400	14.01	28.0	AC32 base G	0.540	5.39	10.8	
	AC22 bin D	0.258	2.57	5.1	AC16 surf S	0.248	2.48	4.9	
	Suelo Cemento	0.573	5.71	11.4	AC22 bin D	0.109	1.09	2.2	
	AC16 surf S	0.114	1.14	2.3	Rellenos	1.329	13.30	26.6	
30.000	Suelo Cemento	1.398	13.99	42.0	AC32 base G	0.540	5.39	16.2	
	AC22 bin D	0.258	2.58	7.7	AC16 surf S	0.248	2.48	7.4	
	Suelo Cemento	0.576	5.74	17.1	AC22 bin D	0.109	1.09	3.3	
	AC16 surf S	0.114	1.14	3.4	Rellenos	1.330	13.29	39.9	
40.000	Suelo Cemento	1.389	13.93	55.9	AC32 base G	0.540	5.40	21.6	
	AC22 bin D	0.258	2.57	10.3	AC16 surf S	0.247	2.47	9.9	
	Suelo Cemento	0.591	5.82	22.9	AC22 bin D	0.109	1.08	4.3	
	AC16 surf S	0.114	1.14	4.5	Rellenos	1.327	13.28	53.2	
50.000	Suelo Cemento	1.371	13.79	69.7	AC32 base G	0.540	5.40	27.0	
	AC22 bin D	0.258	2.57	12.9	AC16 surf S	0.248	2.47	12.4	
	Suelo Cemento	0.619	6.04	29.0	AC22 bin D	0.109	1.09	5.4	
	AC16 surf S	0.114	1.14	5.7	Rellenos	1.321	13.24	66.4	
60.000	Suelo Cemento	1.362	13.66	83.4	AC32 base G	0.545	5.42	32.4	
	AC22 bin D	0.260	2.59	15.5	AC16 surf S	0.250	2.49	14.9	
	Suelo Cemento	0.650	6.33	35.3	AC22 bin D	0.109	1.09	6.5	
	AC16 surf S	0.114	1.14	6.8	Rellenos	1.319	13.20	79.6	
70.000	Suelo Cemento	1.366	13.63	97.0	AC32 base G	0.556	5.50	37.9	
	AC22 bin D	0.265	2.62	18.1	AC16 surf S	0.255	2.53	17.4	
	Suelo Cemento	0.680	6.64	42.0	AC22 bin D	0.109	1.09	7.6	
	AC16 surf S	0.114	1.14	8.0	Rellenos	1.324	13.22	92.8	
80.000	Suelo Cemento	1.386	13.75	110.8	AC32 base G	0.567	5.61	43.5	
	AC22 bin D	0.271	2.68	20.8	AC16 surf S	0.261	2.58	20.0	
	Suelo Cemento	0.682	6.80	48.8	AC22 bin D	0.109	1.09	8.7	
	AC16 surf S	0.114	1.14	9.1	Rellenos	1.335	13.29	106.1	

Istram 18.05.05.29 17/01/19 19:10:56 1880
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
90.000	Suelo Cemento	1.409	13.97	124.8	AC32 base G	0.578	5.72	49.2	
	AC22 bin D	0.277	2.74	23.5	AC16 surf S	0.267	2.64	22.6	
	Suelo Cemento	0.683	6.81	55.6	AC22 bin D	0.109	1.09	9.8	
	AC16 surf S	0.114	1.14	10.2	Rellenos	1.345	13.40	119.5	
100.000	Suelo Cemento	1.431	14.19	138.9	AC32 base G	0.589	5.83	55.1	
	AC22 bin D	0.282	2.79	26.3	AC16 surf S	0.272	2.69	25.3	
	Suelo Cemento	0.683	6.81	62.4	AC22 bin D	0.109	1.09	10.9	
	AC16 surf S	0.114	1.14	11.4	Rellenos	1.357	13.50	133.0	
110.000	Suelo Cemento	1.433	14.31	153.3	AC32 base G	0.590	5.89	60.9	
	AC22 bin D	0.283	2.82	29.1	AC16 surf S	0.272	2.72	28.0	
	Suelo Cemento	0.683	6.81	69.2	AC22 bin D	0.109	1.09	11.9	
	AC16 surf S	0.114	1.14	12.5	Rellenos	1.357	13.57	146.6	
120.000	Suelo Cemento	1.433	14.32	167.6	AC32 base G	0.590	5.90	66.8	
	AC22 bin D	0.283	2.82	31.9	AC16 surf S	0.273	2.72	30.7	
	Suelo Cemento	0.683	6.81	76.0	AC22 bin D	0.109	1.09	13.0	
	AC16 surf S	0.114	1.14	13.6	Rellenos	1.345	13.51	160.1	
129.357	Suelo Cemento	1.433	13.40	181.0	AC32 base G	0.590	5.52	72.4	
	AC22 bin D	0.282	2.64	34.6	AC16 surf S	0.273	2.55	33.3	
	Suelo Cemento	0.683	6.38	82.4	AC22 bin D	0.109	1.02	14.0	
	AC16 surf S	0.114	1.06	14.7	Rellenos	1.324	12.48	172.6	
130.000	Suelo Cemento	1.432	0.92	181.9	AC32 base G	0.590	0.38	72.7	
	AC22 bin D	0.282	0.18	34.8	AC16 surf S	0.273	0.18	33.5	
	Suelo Cemento	0.683	0.44	82.8	AC22 bin D	0.109	0.07	14.1	
	AC16 surf S	0.114	0.07	14.8	Rellenos	1.326	0.85	173.4	
140.000	Suelo Cemento	1.432	14.33	196.2	AC32 base G	0.590	5.90	78.6	
	AC22 bin D	0.283	2.82	37.6	AC16 surf S	0.272	2.73	36.2	
	Suelo Cemento	0.683	6.85	89.7	AC22 bin D	0.109	1.09	15.2	
	AC16 surf S	0.114	1.14	15.9	Rellenos	1.327	13.27	186.7	
150.000	Suelo Cemento	1.433	14.33	210.6	AC32 base G	0.590	5.90	84.5	
	AC22 bin D	0.282	2.83	40.4	AC16 surf S	0.273	2.73	38.9	
	Suelo Cemento	0.683	6.85	96.5	AC22 bin D	0.109	1.09	16.3	
	AC16 surf S	0.114	1.14	17.1	Rellenos	1.351	13.39	200.1	
160.000	Suelo Cemento	1.456	14.45	225.0	AC32 base G	0.590	5.90	90.4	
	AC22 bin D	0.282	2.83	43.2	AC16 surf S	0.273	2.73	41.7	
	Suelo Cemento	0.644	6.65	103.2	AC22 bin D	0.109	1.09	17.4	
	AC16 surf S	0.114	1.14	18.2	Rellenos	1.356	13.54	213.6	

Istram 18.05.05.29 17/01/19 19:10:56 1880

pagina 3

PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
163.231	Suelo Cemento	1.464	4.72	229.7	AC32 base G	0.590	1.91	92.4	
	AC22 bin D	0.282	0.91	44.2	AC16 surf S	0.273	0.88	42.5	
	Suelo Cemento	0.818	2.37	105.5	AC22 bin D	0.115	0.36	17.8	
	AC16 surf S	0.115	0.37	18.6	Rellenos	2.222	5.79	219.4	
170.000	Suelo Cemento	1.474	9.94	239.7	AC32 base G	0.590	3.99	96.3	
	AC22 bin D	0.282	1.91	46.1	AC16 surf S	0.273	1.85	44.4	
	Suelo Cemento	0.791	5.43	111.0	AC22 bin D	0.115	0.78	18.5	
	AC16 surf S	0.115	0.78	19.4	Rellenos	2.179	14.87	234.3	
180.000	Suelo Cemento	1.489	14.78	254.4	AC32 base G	0.590	5.88	102.2	
	AC22 bin D	0.283	2.82	48.9	AC16 surf S	0.273	2.72	47.1	
	Suelo Cemento	0.752	7.64	118.6	AC22 bin D	0.115	1.14	19.7	
	AC16 surf S	0.115	1.14	20.5	Rellenos	2.166	21.61	255.9	
190.000	Suelo Cemento	1.504	14.91	269.4	AC32 base G	0.590	5.87	108.1	
	AC22 bin D	0.283	2.81	51.7	AC16 surf S	0.273	2.71	49.8	
	Suelo Cemento	0.713	7.19	125.8	AC22 bin D	0.115	1.13	20.8	
	AC16 surf S	0.115	1.13	21.6	Rellenos	2.161	21.43	277.3	
200.000	Suelo Cemento	1.520	15.04	284.4	AC32 base G	0.590	5.86	114.0	
	AC22 bin D	0.283	2.81	54.5	AC16 surf S	0.273	2.71	52.5	
	Suelo Cemento	0.675	6.76	132.6	AC22 bin D	0.115	1.12	21.9	
	AC16 surf S	0.115	1.12	22.7	Rellenos	2.131	21.18	298.5	
210.000	Suelo Cemento	1.537	15.18	299.6	AC32 base G	0.590	5.85	119.8	
	AC22 bin D	0.282	2.80	57.3	AC16 surf S	0.273	2.71	55.2	
	Suelo Cemento	0.646	6.38	138.9	AC22 bin D	0.115	1.11	23.0	
	AC16 surf S	0.115	1.11	23.9	Rellenos	2.110	20.85	319.4	
218.808	Suelo Cemento	1.555	13.51	313.1	AC32 base G	0.590	5.14	124.9	
	AC22 bin D	0.282	2.46	59.8	AC16 surf S	0.273	2.38	57.6	
	Suelo Cemento	0.646	5.46	144.4	AC22 bin D	0.115	0.97	24.0	
	AC16 surf S	0.115	0.98	24.8	Rellenos	2.116	18.23	337.6	
220.000	Suelo Cemento	1.555	1.84	314.9	AC32 base G	0.590	0.70	125.6	
	AC22 bin D	0.282	0.33	60.1	AC16 surf S	0.273	0.32	57.9	
	Suelo Cemento	0.646	0.74	145.1	AC22 bin D	0.115	0.13	24.1	
	AC16 surf S	0.115	0.13	25.0	Rellenos	2.116	2.47	340.1	
230.000	Suelo Cemento	1.555	15.42	330.3	AC32 base G	0.590	5.83	131.5	
	AC22 bin D	0.282	2.79	62.9	AC16 surf S	0.272	2.69	60.6	
	Suelo Cemento	0.646	6.17	151.3	AC22 bin D	0.115	1.10	25.2	
	AC16 surf S	0.115	1.10	26.1	Rellenos	2.116	20.69	360.8	

Istram 18.05.05.29 17/01/19 19:10:56 1880
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

pagina 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
240.000	Suelo Cemento	1.555	15.42	345.7	AC32 base G	0.590	5.83	137.3	
	AC22 bin D	0.282	2.79	65.7	AC16 surf S	0.273	2.70	63.3	
	Suelo Cemento	0.646	6.17	157.5	AC22 bin D	0.115	1.10	26.3	
	AC16 surf S	0.115	1.10	27.2	Rellenos	2.116	20.69	381.4	
250.000	Suelo Cemento	1.555	15.42	361.2	AC32 base G	0.590	5.83	143.1	
	AC22 bin D	0.282	2.79	68.5	AC16 surf S	0.273	2.70	66.0	
	Suelo Cemento	0.646	6.17	163.6	AC22 bin D	0.115	1.10	27.4	
	AC16 surf S	0.115	1.10	28.3	Rellenos	2.110	20.67	402.1	
251.448	Suelo Cemento	1.555	2.23	363.4	AC32 base G	0.590	0.84	144.0	
	AC22 bin D	0.282	0.40	68.9	AC16 surf S	0.273	0.39	66.4	
	Suelo Cemento	0.646	0.89	164.5	AC22 bin D	0.115	0.16	27.6	
	AC16 surf S	0.115	0.16	28.4	Rellenos	2.112	2.99	405.1	

Istram 18.05.05.29 17/01/19 19:10:56 1880
PROYECTO :
EJE: 79: Enlace VA-30: Ramal 3

pagina 5

10.000	Suelo Cemento	0.688	0.00	0.0	AC22 bin D	0.115	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	2.126	0.00	0.0
	Suelo Cemento	1.515	15.11	15.1	AC32 base G	0.590	5.88	5.9
	AC22 bin D	0.282	2.81	2.8	AC16 surf S	0.273	2.72	2.7
20.000	Suelo Cemento	0.688	6.79	6.8	AC22 bin D	0.115	1.14	1.1
	AC16 surf S	0.115	1.14	1.1	Rellenos	2.141	21.20	21.2
	Suelo Cemento	1.515	15.11	30.2	AC32 base G	0.590	5.88	11.8
	AC22 bin D	0.282	2.81	5.6	AC16 surf S	0.273	2.72	5.4
30.000	Suelo Cemento	0.688	6.79	13.6	AC22 bin D	0.115	1.13	2.3
	AC16 surf S	0.115	1.14	2.3	Rellenos	2.140	21.27	42.5
	Suelo Cemento	1.514	15.10	45.3	AC32 base G	0.590	5.88	17.6
	AC22 bin D	0.282	2.81	8.4	AC16 surf S	0.273	2.72	8.2
33.352	Suelo Cemento	0.687	6.79	20.4	AC22 bin D	0.115	1.14	3.4
	AC16 surf S	0.115	1.14	3.4	Rellenos	2.142	21.27	63.7
	Suelo Cemento	1.515	5.06	50.4	AC32 base G	0.590	1.97	19.6
	AC22 bin D	0.282	0.94	9.4	AC16 surf S	0.273	0.91	9.1
40.000	Suelo Cemento	0.688	2.27	22.6	AC22 bin D	0.115	0.38	3.8
	AC16 surf S	0.115	0.38	3.8	Rellenos	2.141	7.13	70.9
	Suelo Cemento	1.513	10.04	60.4	AC32 base G	0.590	3.91	23.5
	AC22 bin D	0.283	1.87	11.3	AC16 surf S	0.273	1.81	10.9
50.000	Suelo Cemento	0.692	4.53	27.2	AC22 bin D	0.115	0.76	4.5
	AC16 surf S	0.115	0.76	4.6	Rellenos	2.144	14.16	85.0
	Suelo Cemento	1.510	15.08	75.5	AC32 base G	0.590	5.88	29.4
	AC22 bin D	0.282	2.82	14.1	AC16 surf S	0.273	2.72	13.6
60.000	Suelo Cemento	0.699	6.88	34.0	AC22 bin D	0.115	1.14	5.7
	AC16 surf S	0.115	1.14	5.7	Rellenos	2.150	21.35	106.4
	Suelo Cemento	1.507	15.06	90.6	AC32 base G	0.590	5.88	35.3
	AC22 bin D	0.282	2.82	16.9	AC16 surf S	0.273	2.72	16.3
70.000	Suelo Cemento	0.706	6.96	41.0	AC22 bin D	0.115	1.14	6.8
	AC16 surf S	0.115	1.14	6.8	Rellenos	2.155	21.42	127.8
	Suelo Cemento	1.505	15.04	105.6	AC32 base G	0.590	5.89	41.2
	AC22 bin D	0.282	2.82	19.7	AC16 surf S	0.273	2.72	19.0
	Suelo Cemento	0.713	7.04	48.0	AC22 bin D	0.115	1.14	8.0
	AC16 surf S	0.115	1.14	8.0	Rellenos	2.160	21.49	149.3

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 2
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME ***** ***** cubicacion segun distancias compensadas *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
80.000	Suelo Cemento	1.502	15.02	120.6	AC32 base G	0.590	5.89	47.1	
	AC22 bin D	0.282	2.82	22.5	AC16 surf S	0.273	2.72	21.8	
	Suelo Cemento	0.719	7.12	55.2	AC22 bin D	0.115	1.14	9.1	
	AC16 surf S	0.115	1.14	9.1	Rellenos	2.165	21.56	170.8	
90.000	Suelo Cemento	1.499	14.99	135.6	AC32 base G	0.590	5.89	53.0	
	AC22 bin D	0.283	2.82	25.3	AC16 surf S	0.273	2.73	24.5	
	Suelo Cemento	0.726	7.20	62.4	AC22 bin D	0.115	1.14	10.2	
	AC16 surf S	0.115	1.15	10.3	Rellenos	2.171	21.63	192.5	
100.000	Suelo Cemento	1.488	14.93	150.5	AC32 base G	0.590	5.90	58.9	
	AC22 bin D	0.282	2.82	28.2	AC16 surf S	0.273	2.72	27.2	
	Suelo Cemento	0.754	7.38	69.7	AC22 bin D	0.115	1.15	11.4	
	AC16 surf S	0.115	1.15	11.4	Rellenos	2.191	21.78	214.3	
109.407	Suelo Cemento	1.464	13.88	164.4	AC32 base G	0.590	5.55	64.4	
	AC22 bin D	0.283	2.66	30.8	AC16 surf S	0.272	2.56	29.8	
	Suelo Cemento	0.818	7.39	77.1	AC22 bin D	0.115	1.08	12.5	
	AC16 surf S	0.115	1.08	12.5	Rellenos	2.239	20.83	235.1	
110.000	Suelo Cemento	1.462	0.87	165.3	AC32 base G	0.590	0.35	64.7	
	AC22 bin D	0.282	0.17	31.0	AC16 surf S	0.272	0.16	29.9	
	Suelo Cemento	0.822	0.49	77.6	AC22 bin D	0.115	0.07	12.5	
	AC16 surf S	0.115	0.07	12.6	Rellenos	2.243	1.33	236.4	
120.000	Suelo Cemento	1.438	14.51	179.8	AC32 base G	0.590	5.90	70.7	
	AC22 bin D	0.282	2.82	33.8	AC16 surf S	0.273	2.73	32.7	
	Suelo Cemento	0.892	8.59	86.2	AC22 bin D	0.115	1.15	13.7	
	AC16 surf S	0.115	1.15	13.7	Rellenos	2.293	22.71	259.1	
130.000	Suelo Cemento	1.433	14.36	194.2	AC32 base G	0.590	5.90	76.6	
	AC22 bin D	0.282	2.83	36.6	AC16 surf S	0.273	2.73	35.4	
	Suelo Cemento	0.908	9.02	95.2	AC22 bin D	0.115	1.15	14.8	
	AC16 surf S	0.115	1.15	14.9	Rellenos	2.305	23.03	282.1	
140.000	Suelo Cemento	1.433	14.34	208.5	AC32 base G	0.590	5.90	82.5	
	AC22 bin D	0.282	2.83	39.5	AC16 surf S	0.273	2.73	38.1	
	Suelo Cemento	0.908	9.11	104.3	AC22 bin D	0.115	1.15	16.0	
	AC16 surf S	0.115	1.15	16.0	Rellenos	2.305	23.09	305.2	
150.000	Suelo Cemento	1.432	14.33	222.8	AC32 base G	0.590	5.90	88.4	
	AC22 bin D	0.283	2.83	42.3	AC16 surf S	0.272	2.73	40.9	
	Suelo Cemento	0.908	9.10	113.4	AC22 bin D	0.115	1.15	17.2	
	AC16 surf S	0.115	1.15	17.2	Rellenos	2.306	23.09	328.3	

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 3
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** CAPAS DE FIRME ***** ***** cubicacion segun distancias compensadas *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
160.000	Suelo Cemento	1.433	14.33	237.2	AC32 base G	0.590	5.90	94.3	
	AC22 bin D	0.282	2.83	45.1	AC16 surf S	0.273	2.73	43.6	
	Suelo Cemento	0.908	9.10	122.5	AC22 bin D	0.115	1.15	18.3	
	AC16 surf S	0.115	1.15	18.3	Rellenos	2.305	23.08	351.4	
170.000	Suelo Cemento	1.433	14.33	251.5	AC32 base G	0.590	5.91	100.2	
	AC22 bin D	0.282	2.83	48.0	AC16 surf S	0.273	2.73	46.3	

180.000	Suelo Cemento	0.908	9.11	131.6	AC22 bin D	0.115	1.15	19.5
	AC16 surf S	0.115	1.16	19.5	Rellenos	2.305	23.08	374.5
	Suelo Cemento	1.433	14.34	265.8	AC32 base G	0.590	5.90	106.1
	AC22 bin D	0.282	2.82	50.8	AC16 surf S	0.273	2.73	49.0
190.000	Suelo Cemento	0.908	9.10	140.7	AC22 bin D	0.115	1.15	20.6
	AC16 surf S	0.115	1.15	20.6	Rellenos	2.305	23.08	397.6
	Suelo Cemento	1.433	14.34	280.2	AC32 base G	0.590	5.90	112.0
	AC22 bin D	0.283	2.82	53.6	AC16 surf S	0.272	2.73	51.8
200.000	Suelo Cemento	0.908	9.10	149.8	AC22 bin D	0.115	1.15	21.8
	AC16 surf S	0.115	1.15	21.8	Rellenos	2.305	23.08	420.7
	Suelo Cemento	1.432	14.33	294.5	AC32 base G	0.590	5.91	117.9
	AC22 bin D	0.282	2.83	56.4	AC16 surf S	0.273	2.73	54.5
210.000	Suelo Cemento	0.908	9.10	159.0	AC22 bin D	0.115	1.15	22.9
	AC16 surf S	0.115	1.15	23.0	Rellenos	2.304	23.08	443.7
	Suelo Cemento	1.432	14.33	308.8	AC32 base G	0.590	5.90	123.8
	AC22 bin D	0.283	2.83	59.3	AC16 surf S	0.272	2.73	57.2
220.000	Suelo Cemento	0.908	9.10	168.1	AC22 bin D	0.115	1.15	24.1
	AC16 surf S	0.115	1.15	24.1	Rellenos	2.306	23.08	466.8
	Suelo Cemento	1.433	14.33	323.2	AC32 base G	0.590	5.90	129.7
	AC22 bin D	0.283	2.83	62.1	AC16 surf S	0.272	2.73	60.0
222.947	Suelo Cemento	0.908	9.10	177.2	AC22 bin D	0.115	1.15	25.2
	AC16 surf S	0.115	1.15	25.3	Rellenos	2.305	23.09	489.9
	Suelo Cemento	1.433	4.22	327.4	AC32 base G	0.590	1.74	131.4
	AC22 bin D	0.282	0.83	62.9	AC16 surf S	0.273	0.80	60.8
230.000	Suelo Cemento	0.908	2.68	179.8	AC22 bin D	0.115	0.34	25.6
	AC16 surf S	0.115	0.34	25.6	Rellenos	2.305	6.80	496.7
	Suelo Cemento	1.433	10.10	337.5	AC32 base G	0.590	4.16	135.6
	AC22 bin D	0.283	1.99	64.9	AC16 surf S	0.273	1.92	62.7
	Suelo Cemento	0.908	6.39	186.2	AC22 bin D	0.115	0.81	26.4
	AC16 surf S	0.115	0.81	26.4	Rellenos	2.305	16.24	512.9

Istram 18.05.05.29 18/01/19 14:07:35 1880 pagina 4
PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
240.000	Suelo Cemento	1.417	14.24	351.7	AC32 base G	0.583	5.86	141.5	
	AC22 bin D	0.279	2.80	67.7	AC16 surf S	0.269	2.71	65.4	
	Suelo Cemento	0.908	9.06	195.3	AC22 bin D	0.115	1.15	27.5	
	AC16 surf S	0.115	1.15	27.6	Rellenos	2.298	22.99	535.9	
250.000	Suelo Cemento	1.396	14.06	365.8	AC32 base G	0.571	5.77	147.2	
	AC22 bin D	0.273	2.76	70.5	AC16 surf S	0.263	2.66	68.0	
	Suelo Cemento	0.908	9.06	204.4	AC22 bin D	0.115	1.15	28.7	
	AC16 surf S	0.115	1.15	28.7	Rellenos	2.286	22.89	558.8	
260.000	Suelo Cemento	1.374	13.84	379.6	AC32 base G	0.560	5.66	152.9	
	AC22 bin D	0.268	2.70	73.2	AC16 surf S	0.258	2.60	70.6	
	Suelo Cemento	0.908	9.06	213.4	AC22 bin D	0.115	1.15	29.8	
	AC16 surf S	0.115	1.15	29.9	Rellenos	2.276	22.78	581.6	
270.000	Suelo Cemento	1.352	13.62	393.2	AC32 base G	0.549	5.54	158.4	
	AC22 bin D	0.262	2.65	75.8	AC16 surf S	0.252	2.55	73.2	
	Suelo Cemento	0.908	9.06	222.5	AC22 bin D	0.115	1.15	31.0	
	AC16 surf S	0.115	1.15	31.0	Rellenos	2.264	22.67	604.3	
280.000	Suelo Cemento	1.332	13.41	406.7	AC32 base G	0.540	5.44	163.9	
	AC22 bin D	0.257	2.60	78.4	AC16 surf S	0.248	2.50	75.7	
	Suelo Cemento	0.908	9.06	231.5	AC22 bin D	0.115	1.15	32.1	
	AC16 surf S	0.115	1.15	32.1	Rellenos	2.255	22.57	626.8	
290.000	Suelo Cemento	1.332	13.32	420.0	AC32 base G	0.540	5.40	169.3	
	AC22 bin D	0.257	2.57	81.0	AC16 surf S	0.248	2.48	78.2	
	Suelo Cemento	0.908	9.06	240.6	AC22 bin D	0.115	1.15	33.3	
	AC16 surf S	0.115	1.15	33.3	Rellenos	2.256	22.53	649.4	
300.000	Suelo Cemento	1.345	13.38	433.4	AC32 base G	0.540	5.40	174.7	
	AC22 bin D	0.258	2.57	83.6	AC16 surf S	0.247	2.47	80.6	
	Suelo Cemento	0.874	8.89	249.5	AC22 bin D	0.115	1.15	34.4	
	AC16 surf S	0.115	1.15	34.4	Rellenos	2.231	22.40	671.8	
310.000	Suelo Cemento	1.360	13.52	446.9	AC32 base G	0.540	5.39	180.1	
	AC22 bin D	0.257	2.57	86.1	AC16 surf S	0.248	2.48	83.1	
	Suelo Cemento	0.829	8.49	258.0	AC22 bin D	0.115	1.15	35.6	
	AC16 surf S	0.115	1.15	35.6	Rellenos	2.198	22.11	693.9	
320.000	Suelo Cemento	1.377	13.68	460.6	AC32 base G	0.540	5.39	185.5	
	AC22 bin D	0.257	2.57	88.7	AC16 surf S	0.248	2.48	85.6	
	Suelo Cemento	0.785	8.05	266.0	AC22 bin D	0.115	1.15	36.7	
	AC16 surf S	0.115	1.15	36.7	Rellenos	2.165	21.78	715.7	

PROYECTO :
EJE: 80: Enlace VA-30: Ramal 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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Suelo Cemento	480.1
AC32 base G	193.1
AC22 bin D	92.3
AC16 surf S	89.1
Suelo Cemento	276.7
AC22 bin D	38.3
AC16 surf S	38.4
Rellenos	745.8

LISTADOS DE MEDICIÓN DEL ENLACE CIGALES

TIERRAS ENLACE CIGALES

Istram 18.05.05.29 23/01/19 18:28:43 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 1

EJE: 76: Enlace Cigales: Glorieta Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	FIRME	9.442		0.00	0.0	D TIERRA	6.872		0.00 0.0
	S SEL2	8.261		0.00	0.0	SUELO EST3	8.386		0.00 0.0
	TERRAPLEN	0.040		0.00	0.0	VEGETAL	5.628		0.00 0.0
10.000	FIRME	5.674	75.58	75.6	D TIERRA	4.993	59.32	59.3	
	S SEL2	4.965	66.13	66.1	SUELO EST3	5.067	67.27	67.3	
	TERRAPLEN	0.032	0.36	0.4	VEGETAL	3.441	45.34	45.3	
20.000	FIRME	4.492	50.83	126.4	D TIERRA	4.309	46.51	105.8	
	S SEL2	3.959	44.62	110.8	SUELO EST3	4.018	45.43	112.7	
	TERRAPLEN	0.022	0.27	0.6	VEGETAL	2.757	30.99	76.3	
30.000	FIRME	4.563	45.27	171.7	D TIERRA	4.703	45.06	150.9	
	S SEL2	4.071	40.15	150.9	SUELO EST3	4.067	40.43	153.1	
	TERRAPLEN	0.044	0.33	1.0	VEGETAL	2.881	28.19	104.5	
40.000	FIRME	4.852	47.07	218.8	D TIERRA	5.444	50.73	201.6	
	S SEL2	4.286	41.79	192.7	SUELO EST3	4.250	41.59	194.7	
	TERRAPLEN	0.197	1.20	2.2	VEGETAL	3.069	29.75	134.3	
50.000	FIRME	4.768	48.10	266.9	D TIERRA	5.115	52.79	254.4	
	S SEL2	4.237	42.62	235.3	SUELO EST3	4.200	42.25	237.0	
	TERRAPLEN	0.233	2.15	4.3	VEGETAL	3.034	30.52	164.8	
60.000	FIRME	4.926	48.47	315.3	D TIERRA	15.000	100.58	355.0	
	S SEL2	4.218	42.27	277.6	SUELO EST3	4.397	42.99	279.9	
	TERRAPLEN	0.040	1.37	5.7	VEGETAL	3.232	31.33	196.1	
70.000	FIRME	4.979	49.53	364.9	D TIERRA	16.443	157.22	512.2	
	S SEL2	4.347	42.82	320.4	SUELO EST3	4.528	44.63	324.6	
	TERRAPLEN	0.040	0.40	6.1	VEGETAL	3.342	32.87	229.0	
80.000	FIRME	4.980	49.80	414.7	D TIERRA	16.234	163.39	675.6	
	S SEL2	4.347	43.47	363.9	SUELO EST3	4.528	45.28	369.8	
	TERRAPLEN	0.040	0.40	6.5	VEGETAL	3.333	33.38	262.4	
90.000	FIRME	4.981	49.80	464.5	D TIERRA	16.294	162.64	838.2	
	S SEL2	4.346	43.47	407.3	SUELO EST3	4.527	45.27	415.1	
	TERRAPLEN	0.040	0.40	6.9	VEGETAL	3.330	33.31	295.7	
100.000	FIRME	4.966	49.73	514.2	D TIERRA	15.963	161.28	999.5	
	S SEL2	4.310	43.28	450.6	SUELO EST3	4.491	45.09	460.2	
	TERRAPLEN	0.040	0.40	7.3	VEGETAL	3.298	33.14	328.8	
110.000	FIRME	4.946	49.56	563.7	D TIERRA	15.121	155.42	1154.9	
	S SEL2	4.224	42.67	493.3	SUELO EST3	4.405	44.48	504.7	
	TERRAPLEN	0.040	0.40	7.7	VEGETAL	3.229	32.64	361.5	

Istram 18.05.05.29 23/01/19 18:28:43 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 2

Istram 18.05.05.29 23/01/19 18:28:40 459
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
120.000	FIRME	5.038		49.92	613.7	D TIERRA	14.729	149.25	1304.2
	S SEL2	4.338		42.81	536.1	SUELO EST3	4.519	44.62	549.3
	TERRAPLEN	0.040		0.40	8.1	VEGETAL	3.298	32.64	394.1
130.000	FIRME	5.066		50.52	664.2	D TIERRA	14.468	145.98	1450.2
	S SEL2	4.334		43.36	579.5	SUELO EST3	4.515	45.17	594.5
	TERRAPLEN	0.039		0.40	8.5	VEGETAL	3.272	32.85	427.0
140.000	FIRME	5.072		50.69	714.9	D TIERRA	14.688	145.78	1596.0
	S SEL2	4.333		43.33	622.8	SUELO EST3	4.512	45.13	639.6
	TERRAPLEN	0.039		0.39	8.9	VEGETAL	3.277	32.75	459.7
150.000	FIRME	5.108		50.90	765.8	D TIERRA	13.681	141.84	1737.8
	S SEL2	4.326		43.29	666.1	SUELO EST3	4.505	45.08	684.7
	TERRAPLEN	0.040		0.40	9.3	VEGETAL	3.275	32.76	492.5
160.000	FIRME	5.156		51.32	817.1	D TIERRA	12.204	129.43	1867.2
	S SEL2	4.317		43.21	709.3	SUELO EST3	4.495	45.00	729.7
	TERRAPLEN	0.040		0.40	9.6	VEGETAL	3.230	32.52	525.0
170.000	FIRME	5.202		51.79	868.9	D TIERRA	12.073	121.39	1988.6
	S SEL2	4.307		43.12	752.4	SUELO EST3	4.486	44.91	774.6
	TERRAPLEN	0.040		0.40	10.0	VEGETAL	3.225	32.28	557.3
178.948	FIRME	5.021		45.74	914.6	D TIERRA	11.571	105.79	2094.4
	S SEL2	4.149		37.84	790.3	SUELO EST3	4.326	39.43	814.0
	TERRAPLEN	0.039		0.35	10.4	VEGETAL	3.113	28.36	585.6

Istram 18.05.05.29 23/01/19 18:28:43 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
90.000	FIRME	3.893		38.93	350.4	RELL PIE TERRA	0.050	0.50	4.5
	D TIERRA	0.665		14.83	174.8	S SEL2	3.548	34.89	309.6
	SUELO EST3	3.458		34.54	309.6	TERRAPLEN	27.328	262.00	2547.1
	VEGETAL	6.685		66.58	597.3				
100.000	FIRME	3.893		38.93	389.3	RELL PIE TERRA	0.050	0.50	5.0
	D TIERRA	0.149		4.07	178.9	S SEL2	3.588	35.68	345.3
	SUELO EST3	3.458		34.58	344.2	TERRAPLEN	28.871	280.99	2828.1
	VEGETAL	6.717		67.01	664.3				
110.000	FIRME	3.893		38.93	428.3	RELL PIE TERRA	0.050	0.50	5.5
	D TIERRA	0.000		0.75	179.7	S SEL2	3.601	35.95	381.2
	SUELO EST3	3.458		34.58	378.7	TERRAPLEN	33.693	312.82	3140.9
	VEGETAL	6.790		67.54	731.8				
120.000	FIRME	3.893		38.93	467.2	RELL PIE TERRA	0.051	0.50	6.0
	S SEL2	3.601		36.01	417.2	SUELO EST3	3.458	34.58	413.3
	TERRAPLEN	41.217		374.55	3515.5	VEGETAL	6.900	68.45	800.3
130.000	FIRME	3.893		38.93	506.1	RELL PIE TERRA	0.050	0.50	6.5
	S SEL2	3.601		36.01	453.2	SUELO EST3	3.458	34.58	447.9
	TERRAPLEN	46.459		438.38	3953.9	VEGETAL	6.941	69.21	869.5
140.000	FIRME	3.893		38.93	545.1	RELL PIE TERRA	0.050	0.50	7.0
	S SEL2	3.601		36.01	489.2	SUELO EST3	3.458	34.58	482.5
	TERRAPLEN	42.927		446.93	4400.8	VEGETAL	6.896	69.19	938.7
150.000	FIRME	3.893		38.93	584.0	RELL PIE TERRA	0.050	0.50	7.5
	S SEL2	3.601		36.01	525.2	SUELO EST3	3.458	34.58	517.0
	TERRAPLEN	41.623		422.75	4823.6	VEGETAL	6.838	68.67	1007.3
160.000	FIRME	3.893		38.93	622.9	RELL PIE TERRA	0.050	0.50	8.0
	S SEL2	3.601		36.01	561.3	SUELO EST3	3.458	34.58	551.6
	TERRAPLEN	38.579		401.01	5224.6	VEGETAL	6.812	68.25	1075.6
170.000	FIRME	3.893		38.93	661.9	RELL PIE TERRA	0.050	0.50	8.5
	D TIERRA	2.267		11.34	191.0	S SEL2	3.469	35.35	596.6
	SUELO EST3	3.457		34.58	586.2	TERRAPLEN	25.073	318.26	5542.8
	VEGETAL	6.647		67.29	1142.9				
180.000	FIRME	3.893		38.93	700.8	RELL PIE TERRA	0.050	0.50	9.0
	D TIERRA	2.300		22.84	213.8	S SEL2	3.431	34.50	631.1
	SUELO EST3	3.451		34.54	620.7	TERRAPLEN	25.073	250.73	5793.6
	VEGETAL	6.631		66.39	1209.3				

Istram 18.05.05.29 23/01/19 18:28:40 459
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

pagina 3

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
FIRME	914.6
D TIERRA	2094.4
S SEL2	790.3
SUELO EST3	814.0
TERRAPLEN	10.4
VEGETAL	585.6

Istram 18.05.05.29 23/01/19 18:28:40 459
PROYECTO :

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
188.496	FIRME	3.893	33.08	733.9	RELL PIE TERRA	0.050	0.42	9.4
	D TIERRA	2.300	19.54	233.4	S SEL2	3.431	29.15	660.3
	SUELO EST3	3.451	29.32	650.1	TERRAPLEN	25.660	215.52	6009.1
	VEGETAL	6.631	56.34	1265.6				

Istram 18.05.05.29 23/01/19 18:28:40 459 pagina 4
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	733.9
RELL PIE TERRA	9.4
D TIERRA	233.4
S SEL2	660.3
SUELO EST3	650.1
TERRAPLEN	6009.1
VEGETAL	1265.6

Istram 18.05.05.29 23/01/19 18:28:45 459 pagina 1
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.943	FIRME	4.602	0.00	0.0	S SEL2	4.313	0.00	0.0
	SUELO EST3	4.026	0.00	0.0	TERRAPLEN	7.895	0.00	0.0
	EXCAVA SANEO	5.999	0.00	0.0	TERRAP SANEO	5.999	0.00	0.0
	VEGETAL	3.077	0.00	0.0				
20.000	FIRME	4.501	9.36	9.4	S SEL2	4.246	8.80	8.8
	SUELO EST3	3.960	8.21	8.2	TERRAPLEN	7.869	16.21	16.2
	EXCAVA SANEO	5.916	12.25	12.3	TERRAP SANEO	5.916	12.25	12.3
	VEGETAL	3.033	6.28	6.3				
30.000	FIRME	4.221	43.61	53.0	S SEL2	4.038	41.42	50.2
	SUELO EST3	3.796	38.78	47.0	TERRAPLEN	3.524	56.96	73.2
	EXCAVA SANEO	5.418	56.67	68.9	TERRAP SANEO	5.418	56.67	68.9
	VEGETAL	2.779	29.06	35.3				
40.000	FIRME	4.283	42.52	95.5	D TIERRA	1.313	6.57	6.6
	S SEL2	3.686	38.62	88.8	SUELO EST3	3.674	37.35	84.3
	TERRAPLEN	0.547	20.35	93.5	EXCAVA SANEO	4.991	52.04	121.0
	TERRAP SANEO	4.991	52.04	121.0	VEGETAL	2.562	26.70	62.0
50.000	FIRME	4.385	43.34	138.8	D TIERRA	4.232	27.73	34.3
	S SEL2	3.521	36.03	124.9	SUELO EST3	3.661	36.67	121.0
	TERRAPLEN	0.040	2.93	96.5	EXCAVA SANEO	4.982	49.86	170.8
	TERRAP SANEO	4.982	49.86	170.8	VEGETAL	2.555	25.58	87.6
60.000	FIRME	4.682	45.33	184.2	D TIERRA	8.131	61.82	96.1
	S SEL2	3.553	35.37	160.2	SUELO EST3	3.724	36.92	157.9
	TERRAPLEN	0.009	0.24	96.7	EXCAVA SANEO	5.136	50.59	221.4
	TERRAP SANEO	5.136	50.59	221.4	VEGETAL	2.655	26.05	113.7
70.000	FIRME	4.716	46.99	231.2	D TIERRA	11.546	98.38	194.5
	S SEL2	3.487	35.20	195.4	SUELO EST3	3.656	36.90	194.8
	TERRAPLEN	0.040	0.24	96.9	EXCAVA SANEO	0.076	26.06	247.5
	TERRAP SANEO	0.076	26.06	247.5	VEGETAL	2.753	27.04	140.7
80.000	FIRME	5.126	49.21	280.4	D TIERRA	16.128	138.37	332.9
	S SEL2	3.733	36.10	231.5	SUELO EST3	3.903	37.79	232.6
	TERRAPLEN	0.028	0.34	97.3	EXCAVA SANEO	0.028	0.52	248.0
	TERRAP SANEO	0.028	0.52	248.0	VEGETAL	3.021	28.87	169.6
90.000	FIRME	5.126	51.26	331.6	D TIERRA	20.270	181.99	514.9
	S SEL2	3.733	37.33	268.9	SUELO EST3	3.903	39.03	271.7
	TERRAPLEN	0.040	0.34	97.6	EXCAVA SANEO	0.000	0.14	248.1
	TERRAP SANEO	0.000	0.14	248.1	VEGETAL	3.143	30.82	200.4

Istram 18.05.05.29 23/01/19 18:28:45 459 pagina 2
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	FIRME	5.126	51.26	382.9	D TIERRA	24.477	223.74	738.6
	S SEL2	3.733	37.33	306.2	SUELO EST3	3.903	39.03	310.7
	TERRAPLEN	0.040	0.40	98.0	VEGETAL	3.251	31.97	232.4
110.000	FIRME	4.814	49.70	432.6	D TIERRA	13.188	188.32	926.9
	S SEL2	3.556	36.44	342.6	SUELO EST3	3.725	38.14	348.8
	TERRAPLEN	0.040	0.40	98.4	EXCAVA SANEO	0.076	0.38	248.5
	TERRAP SANEO	0.076	0.38	248.5	VEGETAL	2.854	30.52	262.9
120.000	FIRME	4.788	48.01	480.6	D TIERRA	15.768	144.78	1071.7
	S SEL2	3.539	35.48	378.1	SUELO EST3	3.710	37.18	386.0
	TERRAPLEN	0.040	0.40	98.8	EXCAVA SANEO	0.074	0.75	249.3
	TERRAP SANEO	0.074	0.75	249.3	VEGETAL	2.892	28.73	291.6
130.000	FIRME	5.072	49.30	529.9	D TIERRA	19.608	176.88	1248.6
	S SEL2	3.704	36.21	414.3	SUELO EST3	3.874	37.92	423.9
	TERRAPLEN	0.039	0.39	99.2	EXCAVA SANEO	0.072	0.73	250.0
	TERRAP SANEO	0.072	0.73	250.0	VEGETAL	3.078	29.85	321.5

140.000	FIRME	5.097	50.84	580.7	D TIERRA	23.317	214.62	1463.2
	S SEL2	3.737	37.20	451.5	SUELO EST3	3.907	38.90	462.8
	TERRAPLEN	0.031	0.35	99.6	EXCAVA SANEO	0.041	0.57	250.6
	TERRAP SANEO	0.041	0.57	250.6	VEGETAL	3.154	31.16	352.6
150.000	FIRME	5.055	50.76	631.5	D TIERRA	24.896	241.06	1704.3
	S SEL2	3.743	37.40	488.9	SUELO EST3	3.915	39.11	501.9
	TERRAPLEN	0.037	0.34	99.9	EXCAVA SANEO	0.063	0.52	251.1
	TERRAP SANEO	0.063	0.52	251.1	VEGETAL	3.177	31.65	384.3
160.000	FIRME	4.490	47.73	679.2	D TIERRA	27.433	261.64	1965.9
	S SEL2	3.368	35.56	524.5	SUELO EST3	3.542	37.28	539.2
	TERRAPLEN	0.032	0.35	100.3	EXCAVA SANEO	0.045	0.54	251.6
	TERRAP SANEO	0.045	0.54	251.6	VEGETAL	2.929	30.53	414.8
170.000	FIRME	4.630	45.60	724.8	D TIERRA	28.222	278.27	2244.2
	S SEL2	3.936	36.52	561.0	SUELO EST3	3.879	37.10	576.3
	TERRAPLEN	0.235	1.33	101.6	EXCAVA SANEO	0.434	2.40	254.0
	TERRAP SANEO	0.434	2.40	254.0	VEGETAL	3.270	31.00	445.8
180.000	FIRME	4.695	46.63	771.4	D TIERRA	28.512	283.67	2527.8
	S SEL2	3.919	39.27	600.3	SUELO EST3	3.862	38.70	615.0
	TERRAPLEN	0.255	2.45	104.0	EXCAVA SANEO	0.487	4.61	258.6
	TERRAP SANEO	0.487	4.61	258.6	VEGETAL	3.217	32.44	478.2

Istram 18.05.05.29 23/01/19 18:28:45 459 pagina 3
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
190.000	FIRME	4.676	46.86	818.3	D TIERRA	28.911	287.11	2815.0
	S SEL2	3.828	38.73	639.0	SUELO EST3	3.826	38.44	653.5
	TERRAPLEN	0.150	2.02	106.1	EXCAVA SANEO	0.492	4.90	263.5
	TERRAP SANEO	0.492	4.90	263.5	VEGETAL	3.159	31.88	510.1
200.000	FIRME	4.637	46.57	864.9	D TIERRA	33.621	312.66	3127.6
	S SEL2	3.720	37.74	676.8	SUELO EST3	3.792	38.09	691.6
	TERRAPLEN	0.119	1.34	107.4	EXCAVA SANEO	0.627	5.60	269.1
	TERRAP SANEO	0.627	5.60	269.1	VEGETAL	3.274	32.17	542.3
210.000	FIRME	4.598	46.18	911.0	D TIERRA	36.262	349.42	3477.0
	S SEL2	3.626	36.73	713.5	SUELO EST3	3.747	37.70	729.3
	TERRAPLEN	0.142	1.31	108.7	EXCAVA SANEO	0.815	7.21	276.3
	TERRAP SANEO	0.815	7.21	276.3	VEGETAL	3.269	32.71	575.0
220.000	FIRME	4.559	45.79	956.8	D TIERRA	34.534	353.98	3831.0
	S SEL2	3.529	35.78	749.3	SUELO EST3	3.684	37.16	766.4
	TERRAPLEN	0.183	1.63	110.3	EXCAVA SANEO	1.058	9.37	285.7
	TERRAP SANEO	1.058	9.37	285.7	VEGETAL	3.240	32.54	607.5
230.000	FIRME	4.520	45.40	1002.2	D TIERRA	32.204	333.69	4164.7
	S SEL2	3.423	34.76	784.0	SUELO EST3	3.595	36.40	802.8
	TERRAPLEN	0.186	1.84	112.2	EXCAVA SANEO	1.300	11.79	297.5
	TERRAP SANEO	1.300	11.79	297.5	VEGETAL	3.197	32.19	639.7
240.000	FIRME	4.480	45.00	1047.2	D TIERRA	28.992	305.98	4470.7
	S SEL2	3.348	33.85	817.9	SUELO EST3	3.521	35.58	838.4
	TERRAPLEN	0.228	2.07	114.2	EXCAVA SANEO	1.420	13.60	311.1
	TERRAP SANEO	1.420	13.60	311.1	VEGETAL	3.169	31.83	671.6
250.000	FIRME	4.433	44.57	1091.8	D TIERRA	23.324	261.58	4732.3
	S SEL2	3.282	33.15	851.0	SUELO EST3	3.455	34.88	873.3
	TERRAPLEN	0.251	2.40	116.6	EXCAVA SANEO	1.548	14.84	325.9
	TERRAP SANEO	1.548	14.84	325.9	VEGETAL	2.967	30.68	702.2
260.000	FIRME	4.383	44.08	1135.9	D TIERRA	21.631	224.77	4957.0
	S SEL2	3.225	32.54	883.6	SUELO EST3	3.398	34.27	907.5
	TERRAPLEN	0.217	2.34	119.0	EXCAVA SANEO	1.653	16.00	341.9
	TERRAP SANEO	1.653	16.00	341.9	VEGETAL	2.935	29.51	731.8
270.000	FIRME	4.324	43.53	1179.4	D TIERRA	16.156	188.93	5146.0
	S SEL2	3.160	31.92	915.5	SUELO EST3	3.333	33.65	941.2
	TERRAPLEN	0.161	1.89	120.9	EXCAVA SANEO	0.514	10.83	352.8
	TERRAP SANEO	0.514	10.83	352.8	VEGETAL	2.713	28.24	760.0

Istram 18.05.05.29 23/01/19 18:28:45 459 pagina 4
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
280.000	FIRME	4.271	42.97	1222.4	D TIERRA	8.795	124.75	5270.7
	S SEL2	3.110	31.35	946.9	SUELO EST3	3.283	33.08	974.3
	TERRAPLEN	0.325	2.43	123.3	EXCAVA SANEO	0.834	6.74	359.5
	TERRAP SANEO	0.834	6.74	359.5	VEGETAL	2.558	26.36	786.3
290.000	FIRME	4.334	43.03	1265.4	D TIERRA	9.649	92.22	5362.9
	S SEL2	3.130	31.20	978.1	SUELO EST3	3.303	32.93	1007.2
	TERRAPLEN	0.143	2.34	125.6	EXCAVA SANEO	2.313	15.73	375.2
	TERRAP SANEO	2.313	15.73	375.2	VEGETAL	2.623	25.91	812.3
300.000	FIRME	4.413	43.74	1309.2	D TIERRA	11.806	107.27	5470.2
	S SEL2	3.189	31.59	1009.7	SUELO EST3	3.361	33.32	1040.5
	TERRAPLEN	0.041	0.92	126.6	EXCAVA SANEO	0.077	11.95	387.2
	TERRAP SANEO	0.077	11.95	387.2	VEGETAL	2.738	26.81	839.1
310.000	FIRME	4.672	45.43	1354.6	D TIERRA	13.448	126.27	5596.5
	S SEL2	3.349	32.69	1042.3	SUELO EST3	3.522	34.42	1074.9
	TERRAPLEN	0.037	0.39	126.9	EXCAVA SANEO	0.052	0.64	387.8
	TERRAP SANEO	0.052	0.64	387.8	VEGETAL	2.968	28.53	867.6
320.000	FIRME	4.672	46.72	1401.3	D TIERRA	16.496	149.72	5746.2
	S SEL2	3.349	33.49	1075.8	SUELO EST3	3.522	35.22	1110.2
	TERRAPLEN	0.032	0.34	127.3	EXCAVA SANEO	0.036	0.44	388.3
	TERRAP SANEO	0.036	0.44	388.3	VEGETAL	3.150	30.59	898.2

330.000	FIRME	4.672	46.72	1448.0	D TIERRA	18.052	172.74	5918.9
	S SEL2	3.349	33.49	1109.3	SUELO EST3	3.522	35.22	1145.4
	TERRAPLEN	0.034	0.33	127.6	EXCAVA SANE0	0.049	0.42	388.7
	TERRAP SANE0	0.049	0.42	388.7	VEGETAL	3.312	32.31	930.5
340.000	FIRME	4.672	46.72	1494.7	D TIERRA	18.894	184.73	6103.7
	S SEL2	3.349	33.49	1142.8	SUELO EST3	3.522	35.22	1180.6
	TERRAPLEN	0.037	0.35	128.0	EXCAVA SANE0	0.061	0.55	389.2
	TERRAP SANE0	0.061	0.55	389.2	VEGETAL	3.337	33.24	963.7
350.000	FIRME	4.672	46.72	1541.5	D TIERRA	18.193	185.43	6289.1
	S SEL2	3.348	33.48	1176.3	SUELO EST3	3.522	35.22	1215.8
	TERRAPLEN	0.040	0.38	128.4	EXCAVA SANE0	0.073	0.67	389.9
	TERRAP SANE0	0.073	0.67	389.9	VEGETAL	3.358	33.47	997.2
352.606	FIRME	4.672	12.18	1553.6	D TIERRA	17.771	46.86	6336.0
	S SEL2	3.349	8.73	1185.0	SUELO EST3	3.522	9.18	1225.0
	TERRAPLEN	0.041	0.10	128.5	EXCAVA SANE0	0.076	0.20	390.1
	TERRAP SANE0	0.076	0.20	390.1	VEGETAL	3.363	8.76	1006.0

Istram 18.05.05.29 23/01/19 18:28:45 459

PROYECTO :

EJE: 78: Enlace Cigales: Ramal 1

pagina 5

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	1553.6
D TIERRA	6336.0
S SEL2	1185.0
SUELO EST3	1225.0
TERRAPLEN	128.5
EXCAVA SANE0	390.1
TERRAP SANE0	390.1
VEGETAL	1006.0

DESBROCE ENLACE CIGALES

[illegible][illegible]

Istram 18.05.05.29 23/01/19 18:27:32 459

PROYECTO :

EJE: 78: Enlace Cigales: Ramal 1

*** DES BRO CES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 352.606

ANCHOS OCUPADOS

AREA DE DESBROCE EN PLANTA

SUPERFICIE REAL

P.K.

DESMONTE

TERRAPLEN

DESMONTE

TERRAPLEN

DESMONTE

TERRAPLEN

PLANTA-

REAL-

PLANTA-

REAL-

17.943 0.000 0.000 15.381 15.383 0.000 0.000 0.000 0.000

20.000 0.000 0.000 15.167 15.168 0.000 29.845 0.000 29.849

30.000 0.000 0.000 13.890 13.890 0.000 168.540 0.000 168.551

40.000 0.637 0.637 12.170 12.170 2.783 293.879 2.783 293.891

50.000 5.252 5.252 7.520 7.520 29.248 389.984 29.248 389.996

60.000 12.790 12.790 0.570 0.570 113.246 430.181 113.246 430.194

70.000 13.762 13.762 0.000 0.000 238.557 433.036 238.558 433.048

80.000 15.162 15.162 0.000 0.000 375.620 433.036 375.621 433.048

90.000 15.713 15.713 0.000 0.000 522.365 433.036 522.366 433.048

100.000 16.253 16.253 0.000 0.000 674.290 433.036 674.291 433.048

110.000 14.266 14.267 0.000 0.000 818.983 433.036 818.986 433.048

120.000 14.459 14.465 0.000 0.000 954.612 433.036 954.646 433.048

130.000 15.391 15.405 0.000 0.000 1095.569 433.036 1095.701 433.048

140.000 15.801 15.835 0.000 0.000 1243.452 433.036 1243.823 433.048

150.000 15.888 15.952 0.000 0.000 1395.189 433.036 1396.046 433.048

160.000 14.646 14.965 0.000 0.000 1542.504 433.036 1545.293 433.048

pagina 1

FIRMES ENLACE CIGALES

Istram 18.05.05.29 23/01/19 18:26:38 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	Suelo Cemento	4.479		0.00	0.0	AC22 bin D	2.189		0.00 0.0
	AC16 surf S	1.082		0.00	0.0	ZA	0.770		0.00 0.0
	AC16 surf S	0.130		0.00	0.0	Rellenos	0.793		0.00 0.0
10.000	Suelo Cemento	2.326	34.03	34.0		AC22 bin D	1.113	16.51	16.5
	AC16 surf S	0.544	8.13	8.1		ZA	0.770	7.70	7.7
	AC16 surf S	0.130	1.30	1.3		Rellenos	0.792	7.93	7.9
20.000	Suelo Cemento	1.660	19.93	54.0		AC22 bin D	0.780	9.46	26.0
	AC16 surf S	0.377	4.61	12.7		ZA	0.770	7.70	15.4
	AC16 surf S	0.130	1.30	2.6		Rellenos	0.775	7.83	15.8
30.000	Suelo Cemento	1.640	16.50	70.5		AC22 bin D	0.770	7.75	33.7
	AC16 surf S	0.372	3.75	16.5		ZA	0.770	7.70	23.1
	AC16 surf S	0.130	1.30	3.9		Rellenos	0.881	8.28	24.0
40.000	Suelo Cemento	1.640	16.40	86.9		AC22 bin D	0.770	7.70	41.4
	AC16 surf S	0.372	3.72	20.2		ZA	0.770	7.70	30.8
	AC16 surf S	0.130	1.30	5.2		Rellenos	1.169	10.25	34.3
50.000	Suelo Cemento	1.640	16.40	103.3		AC22 bin D	0.770	7.70	49.1
	AC16 surf S	0.372	3.72	23.9		ZA	0.770	7.70	38.5
	AC16 surf S	0.130	1.30	6.5		Rellenos	1.085	11.27	45.6
60.000	Suelo Cemento	1.640	16.40	119.7		AC22 bin D	0.770	7.70	56.8
	AC16 surf S	0.372	3.72	27.7		ZA	0.770	7.70	46.2
	AC16 surf S	0.130	1.30	7.8		Rellenos	1.243	11.64	57.2
70.000	Suelo Cemento	1.640	16.40	136.1		AC22 bin D	0.770	7.70	64.5
	AC16 surf S	0.372	3.72	31.4		ZA	0.770	7.70	53.9
	AC16 surf S	0.130	1.30	9.1		Rellenos	1.298	12.71	69.9
80.000	Suelo Cemento	1.640	16.40	152.5		AC22 bin D	0.770	7.70	72.2
	AC16 surf S	0.372	3.72	35.1		ZA	0.770	7.70	61.6
	AC16 surf S	0.130	1.30	10.4		Rellenos	1.298	12.98	82.9
90.000	Suelo Cemento	1.641	16.40	168.9		AC22 bin D	0.770	7.70	79.9
	AC16 surf S	0.372	3.72	38.8		ZA	0.770	7.70	69.3
	AC16 surf S	0.130	1.30	11.7		Rellenos	1.298	12.98	95.9
100.000	Suelo Cemento	1.641	16.41	185.3		AC22 bin D	0.770	7.70	87.6
	AC16 surf S	0.372	3.72	42.5		ZA	0.770	7.70	77.0
	AC16 surf S	0.130	1.30	13.0		Rellenos	1.283	12.90	108.8
110.000	Suelo Cemento	1.641	16.41	201.7		AC22 bin D	0.770	7.70	95.3
	AC16 surf S	0.372	3.72	46.3		ZA	0.770	7.70	84.7
	AC16 surf S	0.130	1.30	14.3		Rellenos	1.262	12.73	121.5

Istram 18.05.05.29 23/01/19 18:26:38 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
120.000	Suelo Cemento	1.640		16.40	218.1	AC22 bin D	0.770		7.70 103.0
	AC16 surf S	0.372		3.72	50.0	ZA	0.770		7.70 92.4
	AC16 surf S	0.130		1.30	15.6	Rellenos	1.357		13.10 134.6
130.000	Suelo Cemento	1.640		16.40	234.5	AC22 bin D	0.770		7.70 110.7
	AC16 surf S	0.372		3.72	53.7	ZA	0.770		7.70 100.1
	AC16 surf S	0.130		1.30	16.9	Rellenos	1.384		13.70 148.3
140.000	Suelo Cemento	1.641		16.40	250.9	AC22 bin D	0.770		7.70 118.4
	AC16 surf S	0.372		3.72	57.4	ZA	0.770		7.70 107.8
	AC16 surf S	0.130		1.30	18.2	Rellenos	1.389		13.87 162.2
150.000	Suelo Cemento	1.641		16.41	267.3	AC22 bin D	0.770		7.70 126.1
	AC16 surf S	0.372		3.72	61.2	ZA	0.770		7.70 115.5
	AC16 surf S	0.130		1.30	19.5	Rellenos	1.425		14.07 176.2
160.000	Suelo Cemento	1.641		16.41	283.7	AC22 bin D	0.770		7.70 133.8
	AC16 surf S	0.372		3.72	64.9	ZA	0.771		7.70 123.2
	AC16 surf S	0.130		1.30	20.8	Rellenos	1.472		14.49 190.7
170.000	Suelo Cemento	1.640		16.41	300.1	AC22 bin D	0.770		7.70 141.5
	AC16 surf S	0.372		3.72	68.6	ZA	0.771		7.71 130.9
	AC16 surf S	0.130		1.30	22.1	Rellenos	1.518		14.95 205.7
178.948	Suelo Cemento	1.641		14.68	314.8	AC22 bin D	0.770		6.89 148.4
	AC16 surf S	0.372		3.33	71.9	ZA	0.771		6.90 137.8
	AC16 surf S	0.130		1.16	23.3	Rellenos	1.338		12.78 218.5

Istram 18.05.05.29 23/01/19 18:26:38 459
PROYECTO :
EJE: 77: Enlace Cigales: Eje 1

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
***** RESUMEN DE VOLUMENES TOTALES*****									
MATERIAL					VOLUMEN				
Suelo Cemento					314.8				
AC22 bin D					148.4				
AC16 surf S					71.9				
ZA					137.8				
AC16 surf S					23.3				
Rellenos					218.5				

Istram 18.05.05.29 23/01/19 18:26:07 459
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME*****									

***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	Suelo Cemento	2.101		0.00	0.0	AC22 bin D	0.995		0.00 0.0
	AC16 surf S	0.491		0.00	0.0	Rellenos	0.307		0.00 0.0
10.000	Suelo Cemento	2.101		21.01	21.0	AC22 bin D	0.995		9.95 9.9
	AC16 surf S	0.491		4.91	4.9	Rellenos	0.307		3.07 3.1
20.000	Suelo Cemento	2.101		21.01	42.0	AC22 bin D	0.995		9.95 19.9
	AC16 surf S	0.491		4.91	9.8	Rellenos	0.307		3.07 6.1
30.000	Suelo Cemento	2.101		21.01	63.0	AC22 bin D	0.995		9.95 29.8
	AC16 surf S	0.491		4.91	14.7	Rellenos	0.307		3.07 9.2
40.000	Suelo Cemento	2.101		21.01	84.1	AC22 bin D	0.995		9.95 39.8
	AC16 surf S	0.491		4.91	19.6	Rellenos	0.307		3.07 12.3
50.000	Suelo Cemento	2.101		21.01	105.1	AC22 bin D	0.995		9.95 49.7
	AC16 surf S	0.491		4.91	24.5	Rellenos	0.307		3.07 15.3
60.000	Suelo Cemento	2.101		21.01	126.1	AC22 bin D	0.995		9.95 59.7
	AC16 surf S	0.491		4.91	29.4	Rellenos	0.307		3.07 18.4
70.000	Suelo Cemento	2.101		21.01	147.1	AC22 bin D	0.995		9.95 69.6
	AC16 surf S	0.491		4.91	34.4	Rellenos	0.307		3.07 21.5
80.000	Suelo Cemento	2.101		21.01	168.1	AC22 bin D	0.995		9.95 79.6
	AC16 surf S	0.491		4.91	39.3	Rellenos	0.307		3.07 24.5
90.000	Suelo Cemento	2.101		21.01	189.1	AC22 bin D	0.995		9.95 89.5
	AC16 surf S	0.491		4.91	44.2	Rellenos	0.307		3.07 27.6
100.000	Suelo Cemento	2.101		21.01	210.1	AC22 bin D	0.995		9.95 99.5
	AC16 surf S	0.491		4.91	49.1	Rellenos	0.307		3.07 30.7
110.000	Suelo Cemento	2.101		21.01	231.1	AC22 bin D	0.995		9.95 109.4
	AC16 surf S	0.491		4.91	54.0	Rellenos	0.307		3.07 33.7
120.000	Suelo Cemento	2.101		21.01	252.2	AC22 bin D	0.995		9.95 119.4
	AC16 surf S	0.491		4.91	58.9	Rellenos	0.307		3.07 36.8
130.000	Suelo Cemento	2.101		21.01	273.2	AC22 bin D	0.995		9.95 129.3
	AC16 surf S	0.491		4.91	63.8	Rellenos	0.307		3.07 39.8
140.000	Suelo Cemento	2.101		21.01	294.2	AC22 bin D	0.995		9.95 139.3
	AC16 surf S	0.491		4.91	68.7	Rellenos	0.307		3.07 42.9
150.000	Suelo Cemento	2.101		21.01	315.2	AC22 bin D	0.995		9.95 149.2
	AC16 surf S	0.491		4.91	73.6	Rellenos	0.307		3.07 46.0
160.000	Suelo Cemento	2.101		21.01	336.2	AC22 bin D	0.995		9.95 159.2
	AC16 surf S	0.491		4.91	78.5	Rellenos	0.307		3.07 49.0
170.000	Suelo Cemento	2.101		21.01	357.2	AC22 bin D	0.995		9.95 169.1
	AC16 surf S	0.491		4.91	83.4	Rellenos	0.307		3.07 52.1
180.000	Suelo Cemento	2.101		21.01	378.2	AC22 bin D	0.995		9.95 179.1
	AC16 surf S	0.491		4.91	88.3	Rellenos	0.307		3.07 55.2

Istram 18.05.05.29 23/01/19 18:26:07 459
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME*****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
188.496	Suelo Cemento	2.101		17.85	396.1	AC22 bin D	0.995		8.45 187.5
	AC16 surf S	0.491		4.17	92.5	Rellenos	0.307		2.60 57.8

Istram 18.05.05.29 23/01/19 18:26:07 459
PROYECTO :
EJE: 76: Enlace Cigales: Glorieta Dch.

pagina 3

***** RESUMEN DE VOLUMENES TOTALES*****									
MATERIAL					VOLUMEN				
Suelo Cemento					396.1				
AC22 bin D					187.5				
AC16 surf S					92.5				
Rellenos					57.8				

Istram 18.05.05

80.000	AC16 surf S	0.115	1.05	5.4	Rellenos	1.377	12.65	53.2
	Suelo Cemento	1.577	15.41	95.3	AC22 bin D	0.651	6.33	39.7
	AC16 surf S	0.310	3.02	18.9	ZA	0.686	6.23	39.2
90.000	AC16 surf S	0.115	1.05	6.5	Rellenos	1.786	14.97	68.2
	Suelo Cemento	1.576	15.41	110.7	AC22 bin D	0.651	6.33	46.0
	AC16 surf S	0.311	3.02	22.0	ZA	0.686	6.23	45.4
100.000	AC16 surf S	0.115	1.05	7.5	Rellenos	1.787	17.12	85.3
	Suelo Cemento	1.577	15.41	126.1	AC22 bin D	0.651	6.33	52.3
	AC16 surf S	0.310	3.02	25.0	ZA	0.686	6.23	51.6
110.000	AC16 surf S	0.115	1.05	8.6	Rellenos	1.787	17.12	102.4
	Suelo Cemento	1.577	15.42	141.6	AC22 bin D	0.651	6.33	58.6
	AC16 surf S	0.310	3.02	28.0	ZA	0.686	6.23	57.9
120.000	AC16 surf S	0.115	1.05	9.6	Rellenos	1.474	15.48	117.9
	Suelo Cemento	1.576	15.41	157.0	AC22 bin D	0.651	6.33	65.0
	AC16 surf S	0.311	3.02	31.0	ZA	0.686	6.23	64.1
	AC16 surf S	0.115	1.05	10.7	Rellenos	1.450	13.71	131.6

Istram 18.05.05.29 23/01/19 18:26:55 459 pagina 2
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
130.000	Suelo Cemento	1.577	15.41	172.4	AC22 bin D	0.651	6.33	71.3
	AC16 surf S	0.310	3.02	34.0	ZA	0.686	6.23	70.3
	AC16 surf S	0.115	1.05	11.7	Rellenos	1.732	15.07	146.7
140.000	Suelo Cemento	1.565	15.37	187.8	AC22 bin D	0.651	6.34	77.7
	AC16 surf S	0.311	3.02	37.1	ZA	0.686	6.26	76.6
	AC16 surf S	0.115	1.05	12.8	Rellenos	1.769	16.79	163.5
150.000	Suelo Cemento	1.548	15.29	203.0	AC22 bin D	0.651	6.37	84.0
	AC16 surf S	0.311	3.04	40.1	ZA	0.686	6.38	83.0
	AC16 surf S	0.115	1.07	13.9	Rellenos	1.744	17.01	180.5
160.000	Suelo Cemento	1.530	15.19	218.2	AC22 bin D	0.651	6.41	90.4
	AC16 surf S	0.311	3.06	43.2	ZA	0.686	6.50	89.5
	AC16 surf S	0.115	1.09	15.0	Rellenos	1.197	14.23	194.7
170.000	Suelo Cemento	1.516	15.10	233.3	AC22 bin D	0.651	6.44	96.9
	AC16 surf S	0.311	3.08	46.2	ZA	0.715	6.76	96.2
	AC16 surf S	0.115	1.11	16.1	Rellenos	1.321	12.23	206.9
180.000	Suelo Cemento	1.500	15.01	248.3	AC22 bin D	0.649	6.47	103.3
	AC16 surf S	0.311	3.10	49.3	ZA	0.757	7.24	103.5
	AC16 surf S	0.115	1.13	17.2	Rellenos	1.363	13.24	220.2
190.000	Suelo Cemento	1.474	14.86	263.2	AC22 bin D	0.638	6.43	109.8
	AC16 surf S	0.305	3.08	52.4	ZA	0.770	7.61	111.1
	AC16 surf S	0.115	1.15	18.3	Rellenos	1.374	13.65	233.8
200.000	Suelo Cemento	1.452	14.62	277.8	AC22 bin D	0.627	6.32	116.1
	AC16 surf S	0.300	3.02	55.4	ZA	0.770	7.68	118.7
	AC16 surf S	0.115	1.15	19.5	Rellenos	1.374	13.71	247.5
210.000	Suelo Cemento	1.429	14.40	292.2	AC22 bin D	0.616	6.21	122.3
	AC16 surf S	0.294	2.97	58.4	ZA	0.769	7.68	126.4
	AC16 surf S	0.115	1.15	20.6	Rellenos	1.374	13.71	261.3
220.000	Suelo Cemento	1.407	14.17	306.4	AC22 bin D	0.605	6.10	128.4
	AC16 surf S	0.289	2.91	61.3	ZA	0.770	7.68	134.1
	AC16 surf S	0.115	1.15	21.8	Rellenos	1.374	13.71	275.0
230.000	Suelo Cemento	1.385	13.95	320.3	AC22 bin D	0.594	5.99	134.4
	AC16 surf S	0.283	2.86	64.2	ZA	0.769	7.68	141.8
	AC16 surf S	0.115	1.15	22.9	Rellenos	1.374	13.71	288.7
240.000	Suelo Cemento	1.363	13.73	334.1	AC22 bin D	0.583	5.88	140.3
	AC16 surf S	0.277	2.80	67.0	ZA	0.770	7.68	149.4
	AC16 surf S	0.115	1.15	24.1	Rellenos	1.373	13.71	302.4

Istram 18.05.05.29 23/01/19 18:26:55 459 pagina 3
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
250.000	Suelo Cemento	1.341	13.51	347.6	AC22 bin D	0.572	5.77	146.0
	AC16 surf S	0.272	2.75	69.7	ZA	0.770	7.68	157.1
	AC16 surf S	0.115	1.15	25.2	Rellenos	1.364	13.66	316.1
260.000	Suelo Cemento	1.318	13.29	360.9	AC22 bin D	0.560	5.66	151.7
	AC16 surf S	0.267	2.69	72.4	ZA	0.769	7.68	164.8
	AC16 surf S	0.115	1.15	26.4	Rellenos	1.353	13.56	329.6
270.000	Suelo Cemento	1.296	13.07	373.9	AC22 bin D	0.550	5.55	157.2
	AC16 surf S	0.261	2.64	75.0	ZA	0.770	7.68	172.5
	AC16 surf S	0.115	1.15	27.5	Rellenos	1.332	13.40	343.0
280.000	Suelo Cemento	1.274	12.85	386.8	AC22 bin D	0.538	5.44	162.7
	AC16 surf S	0.255	2.58	77.6	ZA	0.770	7.68	180.2
	AC16 surf S	0.115	1.15	28.7	Rellenos	1.319	13.23	356.2
290.000	Suelo Cemento	1.252	12.63	399.4	AC22 bin D	0.527	5.32	168.0
	AC16 surf S	0.250	2.52	80.1	ZA	0.770	7.68	187.8
	AC16 surf S	0.115	1.15	29.8	Rellenos	1.421	13.67	369.9
300.000	Suelo Cemento	1.237	12.44	411.9	AC22 bin D	0.520	5.23	173.2
	AC16 surf S	0.246	2.48	82.6	ZA	0.770	7.68	195.5
	AC16 surf S	0.115	1.15	31.0	Rellenos	1.526	14.71	384.6
310.000	Suelo Cemento	1.237	12.36	424.2	AC22 bin D	0.520	5.20	178.4
	AC16 surf S	0.246	2.46	85.1	ZA	0.770	7.68	203.2
	AC16 surf S	0.115	1.15	32.1	Rellenos	1.785	16.53	401.2
320.000	Suelo Cemento	1.237	12.36	436.6	AC22 bin D	0.520	5.20	183.6

330.000	AC16 surf S	0.246	2.46	87.5	ZA	0.770	7.68	210.9
	AC16 surf S	0.115	1.15	33.3	Rellenos	1.785	17.83	419.0
	Suelo Cemento	1.237	12.37	448.9	AC22 bin D	0.520	5.20	188.8
340.000	AC16 surf S	0.246	2.46	90.0	ZA	0.770	7.68	218.6
	AC16 surf S	0.115	1.15	34.4	Rellenos	1.785	17.83	436.8
	Suelo Cemento	1.237	12.37	461.3	AC22 bin D	0.520	5.20	194.0
350.000	AC16 surf S	0.246	2.46	92.5	ZA	0.770	7.68	226.2
	AC16 surf S	0.115	1.15	35.6	Rellenos	1.785	17.83	454.6
	Suelo Cemento	1.237	12.36	473.7	AC22 bin D	0.520	5.20	199.2
352.606	AC16 surf S	0.246	2.46	94.9	ZA	0.769	7.68	233.9
	AC16 surf S	0.115	1.15	36.7	Rellenos	1.785	17.83	472.5
	Suelo Cemento	1.237	3.22	476.9	AC22 bin D	0.520	1.35	200.6
	AC16 surf S	0.246	0.64	95.6	ZA	0.770	2.00	235.9
	AC16 surf S	0.115	0.30	37.0	Rellenos	1.785	4.65	477.1

Istram 18.05.05.29 23/01/19 18:26:55 459 pagina 4
PROYECTO :
EJE: 78: Enlace Cigales: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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Suelo Cemento	476.9
AC22 bin D	200.6
AC16 surf S	95.6
ZA	235.9
AC16 surf S	37.0
Rellenos	477.1

LISTADOS DE MEDICIÓN DEL ENLACE CIGALES SUR

TIERRAS ENLACE CIGALES SUR

Istram 18.05.05.29 18/01/19 14:07:33 1880									
PROYECTO :									
EJE: 35: Enlace Cigales Sur: Glorieta Dch.									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

0.000	FIRME	5.652	0.00	0.0	RELL PIE TERRA	0.050	0.00	0.0	
	S SEL2	3.682	0.00	0.0	SUELO EST3	3.539	0.00	0.0	
	SUELO EST1	0.003	0.00	0.0	TERRAPLEN	85.443	0.00	0.0	
	VEGETAL	7.537	0.00	0.0					
10.000	FIRME	5.667	56.59	56.6	RELL PIE TERRA	0.050	0.50	0.5	
	S SEL2	3.685	36.84	36.8	SUELO EST3	3.542	35.41	35.4	
	SUELO EST1	0.002	0.02	0.0	TERRAPLEN	91.137	882.90	882.9	
	VEGETAL	7.659	75.98	76.0					
20.000	FIRME	5.681	56.74	113.3	RELL PIE TERRA	0.050	0.50	1.0	
	S SEL2	3.689	36.87	73.7	SUELO EST3	3.544	35.43	70.8	
	SUELO EST1	0.002	0.02	0.0	TERRAPLEN	87.923	895.30	1778.2	
	VEGETAL	7.737	76.98	153.0					
30.000	FIRME	5.691	56.86	170.2	RELL PIE TERRA	0.051	0.50	1.5	
	S SEL2	3.689	36.89	110.6	SUELO EST3	3.547	35.45	106.3	
	SUELO EST1	0.002	0.02	0.1	TERRAPLEN	62.619	752.71	2530.9	
	VEGETAL	7.782	77.59	230.6					
40.000	FIRME	5.824	57.57	227.8	RELL PIE TERRA	0.000	0.25	1.8	
	D TIERRA	10.308	51.54	51.5	S SEL2	3.201	34.45	145.1	
	SUELO EST3	3.288	34.17	140.5	SUELO EST1	0.002	0.02	0.1	
	TERRAPLEN	8.471	355.45	2886.4	VEGETAL	6.661	72.21	302.8	
50.000	FIRME	6.142	59.83	287.6	D TIERRA	10.076	101.92	153.5	
	S SEL2	3.352	32.77	177.8	SUELO EST3	3.439	33.64	174.1	
	SUELO EST1	0.003	0.02	0.1	TERRAPLEN	12.032	102.51	2988.9	
	VEGETAL	6.788	67.25	370.0					
60.000	FIRME	5.694	59.18	346.8	RELL PIE TERRA	0.051	0.25	2.0	
	D TIERRA	0.037	50.57	204.0	S SEL2	3.691	35.21	213.0	
	SUELO EST3	3.548	34.93	209.0	SUELO EST1	0.002	0.02	0.1	
	TERRAPLEN	44.155	280.93	3269.8	VEGETAL	7.750	72.69	442.7	
70.000	FIRME	5.685	56.90	403.7	RELL PIE TERRA	0.050	0.50	2.5	
	D TIERRA	0.000	0.19	204.2	S SEL2	3.689	36.90	249.9	
	SUELO EST3	3.546	35.47	244.5	SUELO EST1	0.002	0.02	0.2	
	TERRAPLEN	68.116	561.36	3831.2	VEGETAL	7.732	77.41	520.1	
80.000	FIRME	5.673	56.79	460.5	RELL PIE TERRA	0.050	0.50	3.0	
	S SEL2	3.687	36.88	286.8	SUELO EST3	3.544	35.45	279.9	
	SUELO EST1	0.002	0.02	0.2	TERRAPLEN	68.014	680.65	4511.8	
	VEGETAL	7.660	76.96	597.1					
Istram 18.05.05.29 18/01/19 14:07:34 1880									
PROYECTO :									
EJE: 35: Enlace Cigales Sur: Glorieta Dch.									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

90.000	FIRME	5.658	56.66	517.1	RELL PIE TERRA	0.051	0.50	3.5	
	S SEL2	3.683	36.85	323.7	SUELO EST3	3.541	35.42	315.4	
	SUELO EST1	0.002	0.02	0.2	TERRAPLEN	51.022	595.18	5107.0	
	VEGETAL	7.371	75.15	672.2					
100.000	FIRME	5.643	56.51	573.6	RELL PIE TERRA	0.050	0.50	4.0	
	S SEL2	3.680	36.82	360.5	SUELO EST3	3.536	35.38	350.8	
	SUELO EST1	0.002	0.02	0.2	TERRAPLEN	33.610	423.16	5530.2	
	VEGETAL	7.202	72.86	745.1					
110.000	FIRME	5.628	56.36	630.0	RELL PIE TERRA	0.053	0.52	4.5	
	D TIERRA	0.079	0.40	204.6	S SEL2	3.678	36.79	397.3	
	SUELO EST3	3.534	35.35	386.1	SUELO EST1	0.002	0.02	0.3	
	TERRAPLEN	14.873	242.42	5772.6	VEGETAL	6.990	70.96	816.0	
120.000	FIRME	5.616	56.22	686.2	RELL PIE TERRA	0.050	0.52	5.1	
	D TIERRA	0.706	3.93	208.5	S SEL2	3.674	36.76	434.0	
	SUELO EST3	3.532	35.33	421.4	SUELO EST1	0.002	0.02	0.3	
	TERRAPLEN	7.132	110.02	5882.6	VEGETAL	6.792	68.91	885.0	
130.000	FIRME	6.082	58.49	744.7	RELL PIE TERRA	0.000	0.25	5.3	
	D TIERRA	14.064	73.85	282.4	S SEL2	3.385	35.30	469.3	
	SUELO EST3	3.471	35.02	456.5	SUELO EST1	0.003	0.02	0.3	
	TERRAPLEN	0.132	36.32	5918.9	VEGETAL	6.852	68.22	953.2	
140.000	FIRME	6.078	60.80	805.5	D TIERRA	19.167	166.15	448.5	
	S SEL2	3.385	33.85	503.2	SUELO EST3	3.472	34.72	491.2	
	SUELO EST1	0.002	0.03	0.3	TERRAPLEN	0.001	0.67	5919.6	
	VEGETAL	6.818	68.35	1021.5					
150.000	FIRME	5.607	58.43	863.9	RELL PIE TERRA	0.050	0.25	5.6	
	D TIERRA	1.399	102.83	551.4	S SEL2	3.673	35.29	538.5	
	SUELO EST3	3.530	35.01	526.2	SUELO EST1	0.003	0.03	0.4	
	TERRAPLEN	16.626	83.14	6002.7	VEGETAL	7.057	69.37	1090.9	
160.000	FIRME	5.614	56.10	920.0	RELL PIE TERRA	0.050	0.50	6.1	
	D TIERRA	0.660	10.30	561.7	S SEL2	3.675	36.74	575.2	
	SUELO EST3	3.531	35.31	561.5	SUELO EST1	0.003	0.03	0.4	
	TERRAPLEN	36.602	266.14	6268.9	VEGETAL	7.082	70.70	1161.6	
170.000	FIRME	5.625	56.19	976.2	RELL PIE TERRA	0.050	0.50	6.6	
	D TIERRA	0.127	3.93	565.6	S SEL2	3.677	36.76	612.0	
	SUELO EST3	3.533	35.32	596.8	SUELO EST1	0.003	0.03	0.4	
	TERRAPLEN	46.566	415.84	6684.7	VEGETAL	7.125	71.04	1232.6	
Istram 18.05.05.29 18/01/19 14:07:34 1880									
PROYECTO :									
EJE: 35: Enlace Cigales Sur: Glorieta Dch.									

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

pagina 1

180.000	FIRME	5.639	56.32	1032.5	RELL PIE TERRA	0.050	0.50	7.1
	D TIERRA	0.000	0.63	566.2	S SEL2	3.679	36.78	648.8
	SUELO EST3	3.536	35.35	632.2	SUELO EST1	0.002	0.03	0.4
	TERRAPLEN	75.630	610.98	7295.7	VEGETAL	7.382	72.54	1305.2
188.496	FIRME	5.652	47.96	1080.5	RELL PIE TERRA	0.050	0.42	7.5
	S SEL2	3.682	31.27	680.0	SUELO EST3	3.539	30.06	662.2
	SUELO EST1	0.003	0.02	0.5	TERRAPLEN	85.443	684.23	7979.9
	VEGETAL	7.537	63.37	1368.5				
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PROYECTO :								
EJE: 35: Enlace Cigales Sur: Glorieta Dch.								

* * * RESUMEN DE VOLUMENES TOTALES * * *								

	MATERIAL		VOLUMEN					
	-----		-----					
	FIRME		1080.5					
	RELL PIE TERRA		7.5					
	D TIERRA		566.2					
	S SEL2		680.0					
	SUELO EST3		662.2					
	SUELO EST1		0.5					
	TERRAPLEN		7979.9					
	VEGETAL		1368.5					
Istram 18.05.05.29 18/01/19 14:24:57 1880								
PROYECTO :								
EJE: 41: Enlace Cigales Sur: Ramal 1								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	FIRME	4.473	0.00	0.0	RELL PIE TERRA	0.061	0.00	0.0
	D TIERRA	10.057	0.00	0.0	S SEL2	3.302	0.00	0.0
	SUELO EST3	3.465	0.00	0.0	TERRAPLEN	0.013	0.00	0.0
	EXCAVA SANE0	0.044	0.00	0.0	TERRAP SANE0	0.044	0.00	0.0
	VEGETAL	2.471	0.00	0.0				
10.000	FIRME	4.473	44.69	44.7	RELL PIE TERRA	0.051	0.56	0.6
	D TIERRA	9.218	96.29	96.3	S SEL2	3.312	33.04	33.0
	SUELO EST3	3.472	34.65	34.7	TERRAPLEN	0.017	0.15	0.1
	EXCAVA SANE0	0.056	0.50	0.5	TERRAP SANE0	0.056	0.50	0.5
	VEGETAL	2.488	24.77	24.8				
20.000	FIRME	4.461	44.63	89.3	RELL PIE TERRA	0.000	0.26	0.8
	D TIERRA	8.581	88.93	185.2	S SEL2	3.175	32.40	65.4
	SUELO EST3	3.349	34.07	68.7	TERRAPLEN	0.019	0.18	0.3
	EXCAVA SANE0	0.066	0.61	1.1	TERRAP SANE0	0.066	0.61	1.1
	VEGETAL	2.410	24.47	49.2				
30.000	FIRME	4.221	43.37	132.7	D TIERRA	7.503	80.36	265.6
	S SEL2	2.975	30.72	96.2	SUELO EST3	3.147	32.45	101.2
	TERRAPLEN	0.020	0.20	0.5	EXCAVA SANE0	0.067	0.67	1.8
	TERRAP SANE0	0.067	0.67	1.8	VEGETAL	2.290	23.48	72.7
40.000	FIRME	3.840	40.27	173.0	D TIERRA	6.358	69.26	334.8
	S SEL2	2.717	28.44	124.6	SUELO EST3	2.890	30.16	131.3
	TERRAPLEN	0.020	0.20	0.7	EXCAVA SANE0	0.067	0.67	2.5
	TERRAP SANE0	0.067	0.67	2.5	VEGETAL	2.110	21.98	94.7
50.000	FIRME	4.719	42.75	215.7	D TIERRA	12.646	94.88	429.7
	S SEL2	3.200	29.56	154.2	SUELO EST3	3.374	31.29	162.6
	TERRAPLEN	0.019	0.19	0.9	EXCAVA SANE0	0.064	0.66	3.1
	TERRAP SANE0	0.064	0.66	3.1	VEGETAL	2.836	24.70	119.4
60.000	FIRME	4.573	46.40	262.1	D TIERRA	14.664	136.26	566.0
	S SEL2	3.096	31.44	185.6	SUELO EST3	3.268	33.17	195.8
	TERRAPLEN	0.000	0.09	1.0	EXCAVA SANE0	0.000	0.32	3.4
	TERRAP SANE0	0.000	0.32	3.4	VEGETAL	2.680	27.54	146.9
70.000	FIRME	4.639	45.99	308.1	D TIERRA	16.658	156.25	722.2
	S SEL2	3.191	31.40	217.0	SUELO EST3	3.363	33.12	228.9
	VEGETAL	2.700	26.86	173.8				
80.000	FIRME	4.682	46.54	354.6	D TIERRA	18.798	176.88	899.1
	S SEL2	3.446	33.15	250.1	SUELO EST3	3.543	34.49	263.4
	TERRAPLEN	0.054	0.27	1.3	EXCAVA SANE0	0.318	1.59	5.0
	TERRAP SANE0	0.318	1.59	5.0	VEGETAL	2.755	27.23	201.0
Istram 18.05.05.29 18/01/19 14:24:57 1880								
PROYECTO :								
EJE: 41: Enlace Cigales Sur: Ramal 1								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

90.000	FIRME	4.711	46.90	401.5	D TIERRA	21.581	201.48	1100.6
	S SEL2	3.618	35.28	285.4	SUELO EST3	3.572	35.54	298.9
	TERRAPLEN	0.044	0.49	1.8	EXCAVA SANE0	0.294	3.06	8.1
	TERRAP SANE0	0.294	3.06	8.1	VEGETAL	3.004	28.75	229.8
100.000	FIRME	4.581	46.39	447.9	D TIERRA	26.519	240.04	1340.6
	S SEL2	3.046	33.28	318.7	SUELO EST3	3.219	33.91	332.9
	TERRAPLEN	0.012	0.28	2.0	EXCAVA SANE0	0.041	1.68	9.8
	TERRAP SANE0	0.041	1.68	9.8	VEGETAL	3.067	30.30	260.1
110.000	FIRME	5.097	48.37	496.3	D TIERRA	34.847	306.66	1647.3
	S SEL2	3.482	32.63	351.3	SUELO EST3	3.655	34.35	367.2
	TERRAPLEN	0.013	0.12	2.2	EXCAVA SANE0	0.000	0.21	10.0
	TERRAP SANE0	0.000	0.21	10.0	VEGETAL	3.472	32.68	292.8
120.000	FIRME	5.097	50.97	547.3	D TIERRA	39.139	369.93	2017.2
	S SEL2	3.482	34.82	386.2	SUELO EST3	3.655	36.55	403.8
	TERRAPLEN	0.015	0.14	2.3	VEGETAL	3.644	35.58	328.8

130.000	FIRME	5.098	50.98	598.2	D TIERRA	43.386	412.62	2429.8
	S SEL2	3.481	34.82	421.0	SUELO EST3	3.655	36.55	440.3
	TERRAPLEN	0.020	0.18	2.5	VEGETAL	3.660	36.52	364.9
140.000	FIRME	5.098	50.98	649.2	D TIERRA	48.969	461.77	2891.6
	S SEL2	3.481	34.81	455.8	SUELO EST3	3.655	36.55	476.9
	TERRAPLEN	0.022	0.21	2.7	VEGETAL	3.586	36.23	401.1
150.000	FIRME	5.097	50.97	700.2	D TIERRA	54.613	517.91	3409.5
	S SEL2	3.482	34.82	490.6	SUELO EST3	3.655	36.55	513.4
	TERRAPLEN	0.015	0.18	2.9	VEGETAL	3.558	35.72	436.8
160.000	FIRME	5.097	50.97	751.2	D TIERRA	60.601	576.07	3985.6
	S SEL2	3.482	34.82	525.4	SUELO EST3	3.655	36.55	550.0
	TERRAPLEN	0.014	0.14	3.0	VEGETAL	3.662	36.10	472.9
170.000	FIRME	5.097	50.97	802.1	D TIERRA	60.812	607.07	4592.7
	S SEL2	3.482	34.82	560.2	SUELO EST3	3.655	36.55	586.5
	TERRAPLEN	0.012	0.13	3.2	VEGETAL	3.747	37.04	510.0
180.000	FIRME	5.098	50.98	853.1	D TIERRA	61.572	611.92	5204.6
	S SEL2	3.481	34.82	595.1	SUELO EST3	3.655	36.55	623.1
	TERRAPLEN	0.014	0.13	3.3	VEGETAL	3.862	38.04	548.0
190.000	FIRME	5.098	50.98	904.1	D TIERRA	64.507	630.39	5835.0
	S SEL2	3.481	34.81	629.9	SUELO EST3	3.655	36.55	659.6
	TERRAPLEN	0.020	0.17	3.4	VEGETAL	4.012	39.37	587.4

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :

EJE: 41: Enlace Cigales Sur: Ramal 1

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

200.000	FIRME	5.097	50.97	955.1	D TIERRA	63.995	642.51	6477.5
	S SEL2	3.482	34.82	664.7	SUELO EST3	3.655	36.55	696.2
	TERRAPLEN	0.020	0.20	3.6	VEGETAL	4.004	40.08	627.5
210.000	FIRME	5.097	50.97	1006.0	D TIERRA	63.242	636.18	7113.7
	S SEL2	3.482	34.82	699.5	SUELO EST3	3.655	36.55	732.7
	TERRAPLEN	0.020	0.20	3.8	VEGETAL	3.989	39.96	667.4
220.000	FIRME	5.097	50.97	1057.0	D TIERRA	62.693	629.67	7743.3
	S SEL2	3.482	34.82	734.3	SUELO EST3	3.655	36.55	769.2
	TERRAPLEN	0.020	0.20	4.0	VEGETAL	3.977	39.83	707.2
230.000	FIRME	5.098	50.98	1108.0	D TIERRA	61.588	621.40	8364.7
	S SEL2	3.481	34.82	769.1	SUELO EST3	3.655	36.55	805.8
	TERRAPLEN	0.020	0.20	4.2	VEGETAL	3.954	39.65	746.9
240.000	FIRME	5.097	50.98	1159.0	D TIERRA	60.744	611.66	8976.4
	S SEL2	3.481	34.81	803.9	SUELO EST3	3.655	36.55	842.3
	TERRAPLEN	0.020	0.20	4.4	VEGETAL	3.937	39.45	786.3
250.000	FIRME	5.098	50.98	1209.9	D TIERRA	59.274	600.09	9576.5
	S SEL2	3.482	34.82	838.8	SUELO EST3	3.654	36.55	878.9
	TERRAPLEN	0.020	0.20	4.6	VEGETAL	3.906	39.21	825.6
260.000	FIRME	5.097	50.98	1260.9	D TIERRA	57.281	582.77	10159.3
	S SEL2	3.482	34.82	873.6	SUELO EST3	3.655	36.54	915.4
	TERRAPLEN	0.020	0.20	4.8	VEGETAL	3.864	38.85	864.4
270.000	FIRME	5.098	50.98	1311.9	D TIERRA	55.070	561.75	10721.0
	S SEL2	3.481	34.82	908.4	SUELO EST3	3.655	36.55	952.0
	TERRAPLEN	0.020	0.20	5.0	VEGETAL	3.818	38.41	902.8
280.000	FIRME	5.098	50.98	1362.9	D TIERRA	51.993	535.32	11256.3
	S SEL2	3.482	34.82	943.2	SUELO EST3	3.654	36.54	988.5
	TERRAPLEN	0.020	0.20	5.2	VEGETAL	3.753	37.85	940.7
290.000	FIRME	5.098	50.98	1413.8	D TIERRA	48.190	500.92	11757.3
	S SEL2	3.481	34.82	978.0	SUELO EST3	3.655	36.54	1025.1
	TERRAPLEN	0.020	0.20	5.4	VEGETAL	3.668	37.11	977.8
300.000	FIRME	5.098	50.98	1464.8	D TIERRA	54.282	512.36	12269.6
	S SEL2	3.482	34.82	1012.8	SUELO EST3	3.654	36.55	1061.6
	TERRAPLEN	0.020	0.20	5.6	VEGETAL	3.801	37.35	1015.1
310.000	FIRME	5.098	50.98	1515.8	D TIERRA	48.754	515.18	12784.8
	S SEL2	3.482	34.82	1047.7	SUELO EST3	3.655	36.55	1098.2
	TERRAPLEN	0.020	0.20	5.8	VEGETAL	3.681	37.41	1052.5

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :

EJE: 41: Enlace Cigales Sur: Ramal 1

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

320.000	FIRME	5.097	51.02	1566.8	D TIERRA	51.073	499.55	13284.4
	S SEL2	3.482	34.84	1082.5	SUELO EST3	3.655	36.58	1134.7
	TERRAPLEN	0.020	0.20	6.0	VEGETAL	3.550	36.18	1088.7
330.000	FIRME	5.098	51.04	1617.9	D TIERRA	53.119	521.57	13805.9
	S SEL2	3.482	34.85	1117.4	SUELO EST3	3.654	36.58	1171.3
	TERRAPLEN	0.015	0.17	6.2	VEGETAL	3.630	35.94	1124.7
340.000	FIRME	5.097	51.04	1668.9	D TIERRA	22.984	380.93	14186.9
	S SEL2	3.482	34.86	1152.2	SUELO EST3	3.655	36.58	1207.9
	TERRAPLEN	0.020	0.17	6.4	VEGETAL	3.057	33.48	1158.1
350.000	FIRME	5.098	51.04	1719.9	D TIERRA	40.194	316.25	14503.1
	S SEL2	3.481	34.85	1187.1	SUELO EST3	3.655	36.59	1244.5
	TERRAPLEN	0.019	0.19	6.6	VEGETAL	3.181	31.23	1189.4
360.000	FIRME	5.098	51.04	1771.0	D TIERRA	12.156	262.05	14765.2
	S SEL2	3.482	34.85	1221.9	SUELO EST3	3.655	36.59	1281.1
	TERRAPLEN	0.039	0.29	6.8	VEGETAL	2.751	29.69	1219.1
370.000	FIRME	4.256	46.83	1817.8	D TIERRA	5.280	87.28	14852.4
	S SEL2	3.238	33.63	1255.6	SUELO EST3	3.393	35.28	1316.4
	TERRAPLEN	0.000	0.20	7.0	VEGETAL	2.331	25.44	1244.5
380.000	FIRME	4.262	42.64	1860.5	RELL PIE TERRA	0.049	0.24	1.1
	D TIERRA	1.080	31.85	14884.3	S SEL2	3.628	34.36	1289.9
	SUELO EST3	3.551	34.76	1351.1	TERRAPLEN	0.001	0.01	7.0

384.858	VEGETAL	2.549	24.43	1268.9				
	FIRME	4.262	20.73	1881.2	RELL PIE TERRA	0.000	0.12	1.2
	D TIERRA	1.722	6.82	14891.1	S SEL2	3.525	17.39	1307.3
	SUELO EST3	3.468	17.07	1368.2	TERRAPLEN	0.428	1.04	8.1
	VEGETAL	2.565	12.43	1281.3				

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :

EJE: 41: Enlace Cigales Sur: Ramal 1

pagina 5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

17.613	FIRME	4.423	0.00	0.0	S SEL2	4.241	0.00	0.0
	SUELO EST3	3.953	0.00	0.0	TERRAPLEN	50.100	0.00	0.0
	VEGETAL	4.490	0.00	0.0				
20.000	FIRME	4.386	9.93	9.9	S SEL2	4.205	9.51	9.5
	SUELO EST3	3.918	8.87	8.9	TERRAPLEN	50.051	113.17	113.2
	VEGETAL	4.474	10.12	10.1				
30.000	FIRME	4.300	41.10	51.0	S SEL2	4.113	39.33	48.8
	SUELO EST3	3.826	36.62	45.5	TERRAPLEN	49.570	472.48	585.7
	VEGETAL	4.422	42.14	52.3				
40.000	FIRME	4.330	40.87	91.9	S SEL2	4.117	38.96	87.8
	SUELO EST3	3.830	36.25	81.7	TERRAPLEN	48.446	465.52	1051.2
	VEGETAL	4.392	41.81	94.1				
50.000	FIRME	4.372	41.21	133.1	S SEL2	4.140	39.10	126.9
	SUELO EST3	3.853	36.39	118.1	TERRAPLEN	58.510	509.50	1560.7
	VEGETAL	4.669	43.11	137.2				
60.000	FIRME	4.309	41.44	174.5	S SEL2	4.087	39.27	166.2
	SUELO EST3	3.800	36.53	154.7	TERRAPLEN	55.526	548.23	2108.9
	VEGETAL	4.570	44.37	181.6				
70.000	FIRME	4.248	41.27	215.8	S SEL2	4.034	39.16	205.3
	SUELO EST3	3.746	36.40	191.0	TERRAPLEN	51.214	517.77	2626.7
	VEGETAL	4.434	43.64	225.2				
80.000	FIRME	4.186	41.07	256.9	S SEL2	3.979	39.02	244.4
	SUELO EST3	3.693	36.23	227.3	TERRAPLEN	45.160	471.35	3098.0
	VEGETAL	4.246	42.42	267.6				
90.000	FIRME	4.124	40.83	297.7	S SEL2	3.927	38.85	283.2
	SUELO EST3	3.640	36.04	263.3	TERRAPLEN	37.505	407.42	3505.5
	VEGETAL	3.999	40.61	308.2				
100.000	FIRME	4.062	40.57	338.3	S SEL2	3.874	38.66	321.9
	SUELO EST3	3.586	35.81	299.1	TERRAPLEN	28.909	329.67	3835.1
	VEGETAL	3.708	38.24	346.5				
110.000	FIRME	4.032	40.39	378.7	S SEL2	3.848	38.53	360.4
	SUELO EST3	3.562	35.67	334.8	TERRAPLEN	20.583	247.07	4082.2
	VEGETAL	3.435	35.66	382.1				
120.000	FIRME	4.032	40.27	418.9	S SEL2	3.848	38.44	398.9
	SUELO EST3	3.562	35.58	370.4	TERRAPLEN	12.971	167.64	4249.8
	VEGETAL	3.170	32.99	415.1				

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :

EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 1

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200.000	S SEL2	3.499	34.95	648.5	SUELO EST3	3.672	36.68	619.9	420.000	TERRAPLEN	0.061	0.61	4407.8	VEGETAL	4.555	45.55	1409.2		
	TERRAPLEN	0.060	0.60	4395.3	VEGETAL	3.238	31.82	611.7		FIRME	4.847	48.42	1812.9	D TIERRA	64.219	626.04	8793.5		
	FIRME	4.847	48.42	773.4	D TIERRA	18.222	202.47	787.9		S SEL2	3.499	34.95	1435.2	SUELO EST3	3.672	36.68	1446.3		
210.000	S SEL2	3.499	34.95	683.5	SUELO EST3	3.672	36.68	656.6	430.000	TERRAPLEN	0.061	0.61	4408.4	VEGETAL	4.527	45.32	1454.5		
	TERRAPLEN	0.059	0.60	4395.9	VEGETAL	3.058	31.44	643.2		FIRME	4.847	48.42	1861.3	D TIERRA	68.291	661.10	9454.6		
	FIRME	4.847	48.42	821.9	D TIERRA	19.260	187.18	975.1		S SEL2	3.499	34.95	1470.1	SUELO EST3	3.672	36.68	1483.0		
220.000	S SEL2	3.499	34.95	718.4	SUELO EST3	3.672	36.68	693.3	440.000	TERRAPLEN	0.080	0.70	4409.2	VEGETAL	4.440	44.74	1499.3		
	TERRAPLEN	0.059	0.59	4396.5	VEGETAL	3.088	30.69	673.9		FIRME	4.861	48.49	1909.8	D TIERRA	72.843	704.23	10158.9		
	FIRME	4.847	48.42	870.3	D TIERRA	19.542	193.79	1168.9		S SEL2	3.498	34.94	1505.0	SUELO EST3	3.671	36.67	1519.7		
230.000	S SEL2	3.498	34.95	753.4	SUELO EST3	3.672	36.68	730.0	450.000	TERRAPLEN	0.051	0.65	4409.8	VEGETAL	4.399	44.10	1543.4		
	TERRAPLEN	0.060	0.59	4397.1	VEGETAL	3.132	31.06	704.9		FIRME	4.959	49.05	1958.8	D TIERRA	76.282	744.25	10903.1		
	FIRME	4.847	48.41	918.7	D TIERRA	20.822	201.59	1370.5		S SEL2	3.491	34.90	1540.0	SUELO EST3	3.665	36.64	1556.3		
240.000	S SEL2	3.498	34.94	788.3	SUELO EST3	3.672	36.68	766.6	Istram 18.05.05.29 18/01/19 14:07:34 1880	TERRAPLEN	0.049	0.50	4410.3	VEGETAL	4.491	44.36	1587.7		
	TERRAPLEN	0.060	0.60	4397.7	VEGETAL	3.179	31.52	736.5		PROYECTO :									
	FIRME	4.847	48.41	967.1	D TIERRA	20.117	204.46	1575.0		EJE: 39: Enlace Cigales Sur: Ramal 1									
	S SEL2	3.499	34.95	823.3	SUELO EST3	3.672	36.68	803.3										pagina	5
	TERRAPLEN	0.060	0.60	4398.3	VEGETAL	3.134	31.53	768.0											

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 3
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
250.000	FIRME	4.846	48.41	1015.5	D TIERRA	21.211	206.39	1781.3	
	S SEL2	3.499	34.95	858.2	SUELO EST3	3.672	36.68	840.0	
	TERRAPLEN	0.052	0.56	4398.9	VEGETAL	3.055	30.91	798.9	
255.000	FIRME	4.847	24.21	1039.7	D TIERRA	23.793	112.36	1893.7	
	S SEL2	3.499	17.48	875.7	SUELO EST3	3.672	18.34	858.4	
	TERRAPLEN	0.064	0.29	4399.1	VEGETAL	3.177	15.56	814.5	
260.000	FIRME	4.847	24.21	1063.9	D TIERRA	26.930	126.62	2020.3	
	S SEL2	3.499	17.48	893.2	SUELO EST3	3.672	18.34	876.7	
	TERRAPLEN	0.059	0.31	4399.5	VEGETAL	3.338	16.26	830.7	
270.000	FIRME	4.705	47.70	1111.6	D TIERRA	29.902	283.71	2304.0	
	S SEL2	3.413	34.52	927.7	SUELO EST3	3.586	36.25	912.9	
	TERRAPLEN	0.143	1.01	4400.5	VEGETAL	3.629	34.77	865.5	
280.000	FIRME	4.590	46.42	1158.1	D TIERRA	33.152	314.71	2618.7	
	S SEL2	3.340	33.73	961.4	SUELO EST3	3.513	35.45	948.4	
	TERRAPLEN	0.045	0.94	4401.4	EXCAVA SANE0	0.048	0.24	0.2	
	TERRAP SANE0	0.048	0.24	0.2	VEGETAL	3.873	37.42	902.9	
290.000	FIRME	4.560	45.70	1203.8	D TIERRA	34.368	336.95	2955.7	
	S SEL2	3.320	33.26	994.7	SUELO EST3	3.493	34.99	983.4	
	TERRAPLEN	0.045	0.45	4401.8	EXCAVA SANE0	0.048	0.48	0.7	
	TERRAP SANE0	0.048	0.48	0.7	VEGETAL	3.839	38.46	941.4	
300.000	FIRME	4.514	45.31	1249.1	D TIERRA	36.209	352.18	3307.9	
	S SEL2	3.284	32.98	1027.6	SUELO EST3	3.457	34.71	1018.1	
	TERRAPLEN	0.045	0.45	4402.3	EXCAVA SANE0	0.048	0.48	1.2	
	TERRAP SANE0	0.048	0.48	1.2	VEGETAL	3.791	38.05	979.4	
310.000	FIRME	4.407	44.55	1293.6	D TIERRA	35.663	358.62	3666.5	
	S SEL2	3.184	32.30	1059.9	SUELO EST3	3.356	34.02	1052.1	
	TERRAPLEN	0.054	0.49	4402.8	EXCAVA SANE0	0.050	0.49	1.7	
	TERRAP SANE0	0.050	0.49	1.7	VEGETAL	3.400	35.87	1015.3	
320.000	FIRME	4.351	43.73	1337.3	D TIERRA	35.434	354.75	4021.2	
	S SEL2	3.131	31.53	1091.5	SUELO EST3	3.304	33.26	1085.4	
	TERRAPLEN	0.049	0.51	4403.3	EXCAVA SANE0	0.051	0.50	2.2	
	TERRAP SANE0	0.051	0.50	2.2	VEGETAL	3.289	33.37	1048.7	
330.000	FIRME	4.473	44.06	1381.4	D TIERRA	36.651	359.69	4380.9	
	S SEL2	3.247	31.85	1123.3	SUELO EST3	3.420	33.58	1118.9	
	TERRAPLEN	0.050	0.49	4403.8	EXCAVA SANE0	0.049	0.50	2.7	
	TERRAP SANE0	0.049	0.50	2.7	VEGETAL	3.419	33.46	1082.1	

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 4
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
340.000	FIRME	4.605	45.33	1426.7	D TIERRA	36.313	364.09	4745.0	
	S SEL2	3.351	32.95	1156.3	SUELO EST3	3.523	34.68	1153.6	
	TERRAPLEN	0.047	0.49	4404.3	EXCAVA SANE0	0.042	0.46	3.2	
	TERRAP SANE0	0.042	0.46	3.2	VEGETAL	3.594	34.98	1117.1	
350.000	FIRME	4.846	47.20	1473.9	D TIERRA	42.085	391.19	5136.2	
	S SEL2	3.499	34.21	1190.5	SUELO EST3	3.672	35.94	1189.6	
	TERRAPLEN	0.048	0.47	4404.8	EXCAVA SANE0	0.000	0.21	3.4	
	TERRAP SANE0	0.000	0.21	3.4	VEGETAL	3.961	37.69	1154.8	
360.000	FIRME	4.847	48.41	1522.4	D TIERRA	44.854	433.78	5570.0	
	S SEL2	3.499	34.95	1225.4	SUELO EST3	3.672	36.68	1226.2	
	TERRAPLEN	0.047	0.47	4405.2	VEGETAL	4.016	39.80	1194.6	
370.000	FIRME	4.847	48.42	1570.8	D TIERRA	46.975	458.18	6028.2	
	S SEL2	3.499	34.95	1260.4	SUELO EST3	3.672	36.68	1262.9	
	TERRAPLEN	0.047	0.47	4405.7	VEGETAL	4.078	40.39	1235.0	
380.000	FIRME	4.847	48.42	1619.2	D TIERRA	49.261	480.17	6508.3	
	S SEL2	3.499	34.95	1295.3	SUELO EST3	3.672	36.68	1299.6	
	TERRAPLEN	0.049	0.48	4406.2	VEGETAL	4.192	41.26	1276.3	
390.000	FIRME	4.847	48.42	1667.6	D TIERRA	53.002	510.23	7018.6	
	S SEL2	3.499	34.95	1330.3	SUELO EST3	3.672	36.68	1336.3	
	TERRAPLEN	0.051	0.50	4406.7	VEGETAL	4.375	42.74	1319.0	
400.000	FIRME	4.846	48.41	1716.0	D TIERRA	58.013	553.85	7572.4	
	S SEL2	3.499	34.95	1365.2	SUELO EST3	3.672	36.68	1373.0	
	TERRAPLEN	0.061	0.56	4407.2	VEGETAL	4.574	44.65	1363.6	
410.000	FIRME	4.847	48.41	1764.4	D TIERRA	61.271	595.07	8167.5	
	S SEL2	3.499	34.95	1400.2	SUELO EST3	3.672	36.68	1409.6	

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

460.000	FIRME	5.056	50.12	2008.9	D TIERRA	77.750	771.06	11674.2	
	S SEL2	3.484	34.90	1574.9	SUELO EST3	3.658	36.64	1592.9	
	TERRAPLEN	0.048	0.48	4410.8	VEGETAL	4.584	45.44	1633.1	
470.000	FIRME	5.098	50.83	2059.8	D TIERRA	79.349	786.66	12460.8	
	S SEL2	3.482	34.87	1609.7	SUELO EST3	3.655	36.60	1629.5	
	TERRAPLEN	0.049	0.48	4411.3	VEGETAL	4.744	46.72	1679.9	
480.000	FIRME	5.098	51.04	2110.8	D TIERRA	79.488	795.28	13256.1	
	S SEL2	3.482	34.86	1644.6	SUELO EST3	3.655	36.59	1666.1	
	TERRAPLEN	0.055	0.52	4411.8	VEGETAL	4.892	48.25	1728.1	
490.000	FIRME	5.098	51.04	2161.8	D TIERRA	77.911	788.04	14044.1	
	S SEL2	3.481	34.85	1679.4	SUELO EST3	3.655	36.59	1702.7	
	TERRAPLEN	0.059	0.57	4412.4	VEGETAL	4.883	48.94	1777.1	
500.000	FIRME	5.097	51.04	2212.9	D TIERRA	74.543	763.25	14807.4	
	S SEL2	3.481	34.85	1714.3	SUELO EST3	3.655	36.59	1739.3	
	TERRAPLEN	0.060	0.60	4412.9	VEGETAL	4.839	48.68	1825.7	
510.000	FIRME	5.097	51.04	2263.9	D TIERRA	60.937	678.19	15485.6	
	S SEL2	3.482	34.85	1749.1	SUELO EST3	3.655	36.59	1775.9	
	TERRAPLEN	0.060	0.60	4413.6	VEGETAL	4.473	46.61	1872.3	
520.000	FIRME	5.098	51.04	2315.0	D TIERRA	59.852	604.59	16090.2	
	S SEL2	3.482	34.85	1784.0	SUELO EST3	3.655	36.59	1812.5	
	TERRAPLEN	0.060	0.60	4414.2	VEGETAL	4.442	44.62	1917.0	
530.000	FIRME	5.098	51.04	2366.0	D TIERRA	67.181	635.87	16726.0	
	S SEL2	3.482	34.86	1818.8	SUELO EST3	3.655	36.59	1849.1	
	TERRAPLEN	0.060	0.60	4414.8	VEGETAL	4.643	45.48	1962.4	
540.000	FIRME	5.098	51.04	2417.0	D TIERRA	66.194	667.64	17393.7	
	S SEL2	3.481	34.85	1853.7	SUELO EST3	3.655	36.59	1885.6	
	TERRAPLEN	0.060	0.60	4415.4	VEGETAL	4.616	46.35	2008.8	
550.000	FIRME	5.097	51.04	2468.1	D TIERRA	64.860	656.02	18049.7	
	S SEL2	3.481	34.85	1888.5	SUELO EST3	3.655	36.59	1922.2	
	TERRAPLEN	0.060	0.60	4416.0	VEGETAL	4.582	46.04	2054.8	
560.000	FIRME	5.097	51.04	2519.1	D TIERRA	64.243	646.25	18696.0	
	S SEL2	3.482	34.85	1923.4	SUELO EST3	3.655	36.59	1958.8	
	TERRAPLEN	0.060	0.60	4416.6	VEGETAL	4.564	45.78	2100.6	
570.000	FIRME	5.098	51.04	2570.2	D TIERRA	63.212	638.00	19334.0	
	S SEL2	3.482	34.85	1958.3	SUELO EST3	3.655	36.59	1995.4	
	TERRAPLEN	0.060	0.60	4417.2	VEGETAL	4.534	45.55	2146.2	

680.000	TERRAPLEN	0.060	0.59	4423.1	VEGETAL	4.048	41.51	2580.3
	FIRME	5.098	50.94	3130.7	D TIERRA	23.935	343.15	25346.1
	S SEL2	3.482	34.80	2341.1	SUELO EST3	3.654	36.53	2397.3
690.000	TERRAPLEN	0.060	0.60	4423.7	VEGETAL	3.293	36.69	2617.0
	FIRME	5.098	50.95	3181.6	D TIERRA	37.308	306.09	25652.1
	S SEL2	3.482	34.80	2375.9	SUELO EST3	3.655	36.53	2433.8
	TERRAPLEN	0.059	0.60	4424.3	VEGETAL	3.444	33.67	2650.7

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
700.000	FIRME	5.097	50.94	3232.6	D TIERRA	12.993	251.42	25903.6
	S SEL2	3.482	34.80	2410.7	SUELO EST3	3.655	36.53	2470.3
	TERRAPLEN	0.060	0.60	4424.9	VEGETAL	2.829	31.35	2682.0
710.000	FIRME	4.255	46.73	3279.3	D TIERRA	5.707	93.45	25997.0
	S SEL2	3.166	33.22	2443.9	SUELO EST3	3.338	34.95	2505.3
	TERRAPLEN	0.000	0.30	4425.2	VEGETAL	2.279	25.53	2707.6
720.000	FIRME	4.259	42.54	3321.8	D TIERRA	2.604	41.53	26038.5
	S SEL2	3.460	33.11	2477.0	SUELO EST3	3.444	33.89	2539.2
	VEGETAL	2.413	23.45	2731.0				
730.000	FIRME	5.662	49.58	3371.4	D TIERRA	0.925	17.63	26056.2
	S SEL2	4.874	41.66	2518.7	SUELO EST3	4.773	41.08	2580.2
	TERRAPLEN	1.724	8.63	4433.9	VEGETAL	3.442	29.27	2760.3
740.000	FIRME	6.111	58.84	3430.3	D TIERRA	5.145	30.31	26086.5
	S SEL2	4.830	48.52	2567.2	SUELO EST3	4.772	47.72	2628.0
	TERRAPLEN	2.838	22.82	4456.7	VEGETAL	4.017	37.29	2797.6
750.000	FIRME	5.580	58.43	3488.7	D TIERRA	21.359	132.42	26218.9
	S SEL2	3.963	43.95	2611.2	SUELO EST3	4.136	44.52	2672.5
	TERRAPLEN	0.034	14.36	4471.0	VEGETAL	3.303	36.58	2834.2
760.000	FIRME	6.111	58.43	3547.1	D TIERRA	9.945	156.41	26375.3
	S SEL2	4.830	43.95	2655.1	SUELO EST3	4.773	44.53	2717.0
	TERRAPLEN	5.220	26.31	4497.3	VEGETAL	4.092	36.96	2871.1
770.000	FIRME	5.662	58.85	3606.0	D TIERRA	0.013	49.75	26425.1
	S SEL2	5.073	49.51	2704.6	SUELO EST3	4.790	47.81	2764.8
	TERRAPLEN	14.837	100.37	4597.7	VEGETAL	4.002	40.47	2911.6
780.000	FIRME	5.662	56.60	3662.6	D TIERRA	0.000	0.06	26425.1
	S SEL2	5.077	50.74	2755.4	SUELO EST3	4.790	47.90	2812.7
	TERRAPLEN	32.752	238.04	4835.8	VEGETAL	4.435	42.19	2953.8
790.000	FIRME	5.692	56.75	3719.3	S SEL2	5.103	50.88	2806.2
	SUELO EST3	4.815	48.01	2860.7	TERRAPLEN	33.318	330.53	5166.3
	VEGETAL	4.639	45.38	2999.2				
800.000	FIRME	5.746	57.01	3776.3	S SEL2	5.151	51.15	2857.4
	SUELO EST3	4.863	48.28	2909.0	TERRAPLEN	34.181	338.35	5504.6
	VEGETAL	4.500	45.73	3044.9				
810.000	FIRME	5.802	57.33	3833.7	S SEL2	5.198	51.47	2908.9
	SUELO EST3	4.912	48.62	2957.6	TERRAPLEN	21.558	278.51	5783.2
	VEGETAL	4.102	42.90	3087.8				

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
820.000	FIRME	5.859	57.63	3891.3	S SEL2	5.245	51.76	2960.6
	SUELO EST3	4.959	48.92	3006.5	TERRAPLEN	29.505	258.41	6041.6
	VEGETAL	4.541	43.21	3131.0				
830.000	FIRME	5.914	57.89	3949.2	S SEL2	5.293	52.03	3012.7
	SUELO EST3	5.006	49.20	3055.7	TERRAPLEN	43.195	376.35	6417.9
	VEGETAL	6.241	55.41	3186.4				
840.000	FIRME	6.187	59.40	4008.6	S SEL2	5.527	53.37	3066.0
	SUELO EST3	5.239	50.54	3106.3	TERRAPLEN	17.171	314.28	6732.2
	VEGETAL	5.471	61.25	3247.7				
850.000	FIRME	6.185	60.85	4069.4	D TIERRA	1.485	6.70	26431.8
	S SEL2	5.162	53.05	3119.1	SUELO EST3	5.106	51.21	3157.5
	TERRAPLEN	2.915	104.54	6836.7	VEGETAL	3.630	46.59	3294.3
860.000	FIRME	7.043	65.06	4134.5	D TIERRA	60.365	312.75	26744.6
	S SEL2	5.130	51.14	3170.2	SUELO EST3	5.302	51.58	3209.1
	TERRAPLEN	0.128	15.94	6852.7	VEGETAL	5.773	47.58	3341.8
870.000	FIRME	6.968	68.99	4203.5	D TIERRA	116.645	881.18	27625.7
	S SEL2	5.135	50.84	3221.1	SUELO EST3	5.308	52.55	3261.6
	TERRAPLEN	0.071	1.07	6853.7	VEGETAL	6.730	63.26	3405.1
880.000	FIRME	6.786	67.94	4271.4	D TIERRA	157.289	1372.99	28998.7
	S SEL2	5.068	50.56	3271.6	SUELO EST3	5.241	52.28	3313.9
	TERRAPLEN	0.054	0.65	6854.4	VEGETAL	7.104	69.83	3474.9
890.000	FIRME	6.663	66.66	4338.1	D TIERRA	184.704	1734.23	30733.0
	S SEL2	4.964	49.81	3321.4	SUELO EST3	5.137	51.52	3365.4
	TERRAPLEN	0.059	0.59	6855.0	VEGETAL	7.357	73.44	3548.4
893.208	FIRME	6.624	21.16	4359.2	D TIERRA	189.373	608.65	31341.6
	S SEL2	4.932	15.78	3337.2	SUELO EST3	5.104	16.34	3381.8
	TERRAPLEN	0.059	0.20	6855.2	VEGETAL	7.394	24.07	3572.4

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 9

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* * * RESUMEN DE VOLUMENES TOTALES			* * *		
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MATERIAL	VOLUMEN
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FIRME	4359.2
D TIERRA	31341.6
S SEL2	3337.2
SUELO EST3	3381.8
TERRAPLEN	6855.2
EXCAVA SANE0	3.4
TERRAP SANE0	3.4
VEGETAL	3572.4

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	3.454	0.00	0.0	S SEL2	3.062	0.00	0.0
	SUELO EST3	2.917	0.00	0.0	TERRAPLEN	73.465	0.00	0.0
	VEGETAL	4.353	0.00	0.0	MUROS	2.013	0.00	0.0
10.000	FIRME	3.572	35.19	35.2	S SEL2	3.080	30.77	30.8
	SUELO EST3	2.936	29.32	29.3	TERRAPLEN	59.714	668.22	668.2
	VEGETAL	4.139	42.63	42.6	MUROS	1.668	18.39	18.4
20.000	FIRME	3.672	36.29	71.5	S SEL2	3.096	30.94	61.7
	SUELO EST3	2.951	29.49	58.8	TERRAPLEN	49.224	546.49	1214.7
	VEGETAL	3.993	40.82	83.5	MUROS	1.584	16.25	34.6
30.000	FIRME	3.672	36.78	108.3	S SEL2	3.096	31.01	92.7
	SUELO EST3	2.952	29.57	88.4	TERRAPLEN	39.545	445.24	1660.0
	VEGETAL	3.748	38.85	122.3	MUROS	1.341	14.62	49.3
40.000	FIRME	3.672	36.78	145.0	S SEL2	3.096	31.02	123.7
	SUELO EST3	2.952	29.57	117.9	TERRAPLEN	29.870	348.14	2008.1
	VEGETAL	3.475	36.24	158.5	MUROS	1.040	11.90	61.2
50.000	FIRME	3.672	36.79	181.8	S SEL2	3.097	31.02	154.8
	SUELO EST3	2.953	29.57	147.5	TERRAPLEN	22.023	260.24	2268.3
	VEGETAL	3.232	33.64	192.2	MUROS	0.696	8.67	69.8
60.000	FIRME	3.672	36.79	218.6	S SEL2	3.097	31.03	185.8
	SUELO EST3	2.953	29.58	177.1	TERRAPLEN	15.462	187.97	2456.3
	VEGETAL	3.044	31.47	223.7	MUROS	0.535	6.15	76.0
70.000	FIRME	4.262	39.73	258.4	D TIERRA	0.687	3.43	3.4
	S SEL2	3.771	34.39	220.2	SUELO EST3	3.590	32.76	209.9
	TERRAPLEN	8.655	120.95	2577.3	VEGETAL	3.330	31.95	255.6
	MUROS	0.000	2.68	78.7				
80.000	FIRME	4.262	42.68	301.0	D TIERRA	1.478	10.82	14.3
	S SEL2	3.684	37.33	257.5	SUELO EST3	3.577	35.88	245.7
	TERRAPLEN	4.160	64.29	2641.5	VEGETAL	3.162	32.53	288.1
90.000	FIRME	4.260	42.67	343.7	D TIERRA	2.824	21.51	35.8
	S SEL2	3.510	36.03	293.5	SUELO EST3	3.453	35.20	280.9
	TERRAPLEN	2.915	35.51	2677.1	VEGETAL	3.121	31.48	319.6
100.000	FIRME	4.260	42.67	386.4	D TIERRA	3.653	32.39	68.1
	S SEL2	3.514	35.17	328.7	SUELO EST3	3.457	34.60	315.5
	TERRAPLEN	2.530	27.34	2704.4	VEGETAL	3.074	31.04	350.7
110.000	FIRME	4.252	42.62	429.0	D TIERRA	4.526	40.91	109.1
	S SEL2	3.479	35.02	363.7	SUELO EST3	3.422	34.44	350.0
	TERRAPLEN	2.359	24.55	2728.9	VEGETAL	2.946	30.16	380.8

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	4.255	42.60	471.6	D TIERRA	4.207	43.68	152.7
	S SEL2	3.487	34.88	398.6	SUELO EST3	3.429	34.31	384.3
	TERRAPLEN	3.385	28.84	2757.8	VEGETAL	2.841	28.99	409.8
130.000	FIRME	4.260	42.63	514.2	D TIERRA	4.093	41.52	194.2
	S SEL2	3.504	35.01	433.6	SUELO EST3	3.447	34.43	418.7
	TERRAPLEN	4.928	41.73	2799.5	VEGETAL	2.745	27.98	437.8
140.000	FIRME	4.262	42.67	556.9	D TIERRA	3.485	37.90	232.1
	S SEL2	3.614	35.65	469.3	SUELO EST3	3.542	34.99	453.7
	TERRAPLEN	4.971	49.67	2849.2	VEGETAL	2.693	27.24	465.0
150.000	FIRME	4.261	42.68	599.6	D TIERRA	2.989	32.38	264.5
	S SEL2	3.682	36.53	505.8	SUELO EST3	3.576	35.64	489.4
	TERRAPLEN	3.221	41.10	2890.3	VEGETAL	2.623	26.62	491.7
160.000	FIRME	4.262	42.68	642.3	D TIERRA	2.441	27.15	291.7
	S SEL2	3.772	37.32	543.1	SUELO EST3	3.590	35.88	525.2
	TERRAPLEN	2.039	26.38	2916.7	VEGETAL	2.623	26.27	517.9
170.000	FIRME	4.261	42.68	684.9	D TIERRA	1.411	19.26	310.9
	S SEL2	3.845	38.14	581.3	SUELO EST3	3.590	35.95	561.2
	TERRAPLEN	0.587	13.17	2929.8	VEGETAL	2.640	26.35	544.3
180.000	FIRME	4.261	42.67	727.6	D TIERRA	0.694	10.53	321.5
	S SEL2	3.853	38.54	619.8	SUELO EST3	3.590	35.95	597.1
	TERRAPLEN	0.742	6.67	2936.5	VEGETAL	2.619	26.33	570.6
190.000	FIRME	4.262	42.68	770.3	D TIERRA	0.174	4.35	325.8
	S SEL2	3.854	38.58	658.4	SUELO EST3	3.590	35.95	633.1
	TERRAPLEN	0.725	7.35	2943.8	VEGETAL	2.639	26.32	596.9
200.000	FIRME	4.262	42.68	813.0	D TIERRA	0.329	2.53	328.3
	S SEL2	3.827	38.46	696.8	SUELO EST3	3.590	35.94	669.0
	TERRAPLEN	0.599	6.63	2950.5	VEGETAL	2.620	26.33	623.3
210.000	FIRME	4.262	42.68	855.6	D TIERRA	0.605	4.68	333.0
	S SEL2	3.788	38.12	735.0	SUELO EST3	3.590	35.94	705.0
	TERRAPLEN	0.228	4.14	2954.6	VEGETAL	2.575	26.01	649.3
220.000	FIRME	4.261	42.68	898.3	D TIERRA	0.871	7.40	340.4
	S SEL2	3.852	38.25	773.2	SUELO EST3	3.590	35.94	740.9

230.000	TERRAPLEN	0.045	1.37	2956.0	VEGETAL	2.621	26.01	675.3
	FIRME	4.261	42.67	941.0	D TIERRA	0.827	8.50	348.9
	S SEL2	3.841	38.52	811.7	SUELO EST3	3.590	35.95	776.9
	TERRAPLEN	0.282	1.64	2957.6	VEGETAL	2.680	26.54	701.8

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	FIRME	4.262	42.68	983.7	D TIERRA	0.697	7.62	356.5
	S SEL2	3.813	38.32	850.1	SUELO EST3	3.590	35.95	812.8
	TERRAPLEN	0.778	5.32	2962.9	VEGETAL	2.648	26.68	728.5
250.000	FIRME	4.262	42.68	1026.3	D TIERRA	0.538	6.17	362.7
	S SEL2	3.807	38.15	888.2	SUELO EST3	3.590	35.95	848.8
	TERRAPLEN	1.308	10.46	2973.4	VEGETAL	2.612	26.34	754.8
260.000	FIRME	4.261	42.68	1069.0	D TIERRA	0.472	5.05	367.8
	S SEL2	3.791	38.04	926.2	SUELO EST3	3.590	35.95	884.7
	TERRAPLEN	1.743	15.29	2988.7	VEGETAL	2.567	25.93	780.8
270.000	FIRME	4.176	42.25	1111.3	D TIERRA	0.662	5.68	373.4
	S SEL2	3.764	37.82	964.1	SUELO EST3	3.580	35.89	920.6
	TERRAPLEN	1.551	16.50	3005.2	VEGETAL	2.546	25.60	806.4
280.000	FIRME	4.087	41.30	1152.6	D TIERRA	1.175	9.18	382.6
	S SEL2	3.708	37.35	1001.4	SUELO EST3	3.568	35.73	956.3
	TERRAPLEN	1.176	13.63	3018.8	VEGETAL	2.516	25.30	831.7
290.000	FIRME	4.032	40.55	1193.1	D TIERRA	1.825	14.97	397.6
	S SEL2	3.606	36.53	1038.0	SUELO EST3	3.551	35.56	991.9
	TERRAPLEN	0.781	9.78	3028.6	VEGETAL	2.468	24.89	856.6
300.000	FIRME	4.032	40.27	1233.4	D TIERRA	2.738	22.77	420.4
	S SEL2	3.592	35.95	1073.9	SUELO EST3	3.524	35.34	1027.2
	TERRAPLEN	0.402	5.92	3034.5	VEGETAL	2.482	24.73	881.3
310.000	FIRME	4.032	40.27	1273.7	D TIERRA	4.107	34.16	454.5
	S SEL2	3.536	35.61	1109.5	SUELO EST3	3.477	34.97	1062.2
	TERRAPLEN	0.155	2.79	3037.3	VEGETAL	2.495	24.86	906.1
320.000	FIRME	4.030	40.27	1313.9	D TIERRA	5.987	50.40	504.9
	S SEL2	3.475	35.02	1144.5	SUELO EST3	3.421	34.45	1096.6
	TERRAPLEN	0.000	0.78	3038.1	VEGETAL	2.438	24.64	930.8
330.000	FIRME	4.018	40.19	1354.1	D TIERRA	7.347	66.60	571.5
	S SEL2	3.132	33.00	1177.5	SUELO EST3	3.302	33.58	1130.2
	VEGETAL	2.254	23.44	954.2				
340.000	FIRME	4.264	41.37	1395.5	D TIERRA	8.798	80.65	652.2
	S SEL2	3.140	31.33	1208.9	SUELO EST3	3.313	33.04	1163.3
	TERRAPLEN	0.017	0.09	3038.2	EXCAVA SANE0	0.059	0.30	0.3
	TERRAP SANE0	0.059	0.30	0.3	VEGETAL	2.362	23.06	977.3
350.000	FIRME	4.847	45.51	1441.0	D TIERRA	11.066	99.22	751.4
	S SEL2	3.499	33.16	1242.0	SUELO EST3	3.672	34.89	1198.1
	TERRAPLEN	0.038	0.28	3038.4	EXCAVA SANE0	0.060	0.60	0.9
	TERRAP SANE0	0.060	0.60	0.9	VEGETAL	2.754	25.55	1002.8

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	FIRME	4.848	48.42	1489.4	D TIERRA	12.016	115.30	866.7
	S SEL2	3.499	34.95	1277.0	SUELO EST3	3.672	36.68	1234.8
	TERRAPLEN	0.029	0.33	3038.8	EXCAVA SANE0	0.028	0.44	1.3
	TERRAP SANE0	0.028	0.44	1.3	VEGETAL	2.786	27.67	1030.5
370.000	FIRME	4.847	48.42	1537.8	D TIERRA	12.867	124.29	991.0
	S SEL2	3.498	34.95	1311.9	SUELO EST3	3.672	36.68	1271.5
	TERRAPLEN	0.042	0.35	3039.1	EXCAVA SANE0	0.000	0.14	1.5
	TERRAP SANE0	0.000	0.14	1.5	VEGETAL	2.838	28.09	1058.6
380.000	FIRME	4.836	48.36	1586.2	D TIERRA	13.713	132.76	1123.7
	S SEL2	3.489	34.90	1346.8	SUELO EST3	3.662	36.63	1308.1
	TERRAPLEN	0.047	0.44	3039.6	VEGETAL	2.895	28.63	1087.2
390.000	FIRME	4.823	48.24	1634.4	D TIERRA	14.780	142.30	1266.1
	S SEL2	3.479	34.80	1381.6	SUELO EST3	3.651	36.53	1344.7
	TERRAPLEN	0.041	0.44	3040.0	VEGETAL	2.959	29.23	1116.5
400.000	FIRME	4.810	48.12	1682.6	D TIERRA	15.767	152.56	1418.6
	S SEL2	3.468	34.69	1416.3	SUELO EST3	3.641	36.42	1381.1
	TERRAPLEN	0.041	0.41	3040.4	VEGETAL	2.977	29.65	1146.1
410.000	FIRME	4.798	47.99	1730.6	D TIERRA	16.953	163.41	1582.0
	S SEL2	3.456	34.58	1450.9	SUELO EST3	3.630	36.31	1417.4
	TERRAPLEN	0.041	0.41	3040.8	VEGETAL	2.997	29.84	1175.9
420.000	FIRME	4.785	47.86	1778.4	D TIERRA	18.675	177.92	1759.9
	S SEL2	3.445	34.47	1485.4	SUELO EST3	3.618	36.20	1453.6
	TERRAPLEN	0.040	0.40	3041.2	VEGETAL	3.012	30.01	1206.0
430.000	FIRME	4.772	47.73	1826.1	D TIERRA	19.755	191.90	1951.8
	S SEL2	3.435	34.36	1519.7	SUELO EST3	3.607	36.09	1489.7
	TERRAPLEN	0.040	0.40	3041.6	VEGETAL	3.022	30.14	1236.1
440.000	FIRME	4.759	47.61	1873.7	D TIERRA	20.450	200.77	2152.6
	S SEL2	3.423	34.25	1554.0	SUELO EST3	3.597	35.98	1525.7
	TERRAPLEN	0.040	0.40	3042.0	VEGETAL	3.026	30.20	1266.3
450.000	FIRME	4.747	47.48	1921.2	D TIERRA	20.983	206.91	2359.5
	S SEL2	3.413	34.14	1588.1	SUELO EST3	3.585	35.87	1561.5
	TERRAPLEN	0.040	0.40	3042.4	VEGETAL	3.031	30.25	1296.5
460.000	FIRME	4.733	47.35	1968.6	D TIERRA	21.513	212.22	2571.7
	S SEL2	3.401	34.03	1622.2	SUELO EST3	3.575	35.76	1597.3
	TERRAPLEN	0.041	0.40	3042.8	VEGETAL	3.037	30.30	1326.9
470.000	FIRME	4.721	47.22	2015.8	D TIERRA	21.976	217.19	2788.9

S SEL2	3.391	33.92	1656.1	SUELO EST3	3.563	35.65	1633.0
TERRAPLEN	0.041	0.41	3043.3	VEGETAL	3.044	30.37	1357.2

Istram 18.05.05.29 18/01/19 14:24:57 1880

pagina 5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	FIRME	4.708	47.10	2062.9	D TIERRA	22.516	222.20	3011.1
	S SEL2	3.380	33.82	1689.9	SUELO EST3	3.553	35.54	1668.5
	TERRAPLEN	0.041	0.41	3043.7	VEGETAL	3.055	30.46	1387.7
490.000	FIRME	4.695	46.97	2109.9	D TIERRA	23.382	229.22	3240.3
	S SEL2	3.369	33.71	1723.6	SUELO EST3	3.542	35.44	1703.9
	TERRAPLEN	0.040	0.40	3044.1	VEGETAL	3.062	30.55	1418.2
500.000	FIRME	4.682	46.84	2156.7	D TIERRA	23.801	235.63	3476.0
	S SEL2	3.358	33.60	1757.2	SUELO EST3	3.531	35.33	1739.3
	TERRAPLEN	0.040	0.40	3044.5	VEGETAL	3.059	30.58	1448.8
508.084	FIRME	4.672	37.77	2194.5	D TIERRA	23.284	190.10	3666.1
	S SEL2	3.349	27.08	1784.3	SUELO EST3	3.522	28.48	1767.7
	TERRAPLEN	0.040	0.32	3044.8	VEGETAL	3.038	24.62	1473.4

Istram 18.05.05.29 18/01/19 14:24:57 1880

pagina 6

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
	MATERIAL			VOLUMEN				
	FIRME			2194.5				
	D TIERRA			3666.1				
	S SEL2			1784.3				
	SUELO EST3			1767.7				
	TERRAPLEN			3044.8				
	EXCAVA SANE0			1.5				
	TERRAP SANE0			1.5				
	VEGETAL			1473.4				
	MUROS			78.7				

Istram 18.05.05.29 17/01/19 19:15:32 1880

pagina 1

PROYECTO :
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.656	0.00	0.0	RELL PIE TERRA	0.072	0.00	0.0
	D TIERRA	9.457	0.00	0.0	S SEL2	3.733	0.00	0.0
	SUELO EST3	3.850	0.00	0.0	TERRAPLEN	0.020	0.00	0.0
	EXCAVA SANE0	0.088	0.00	0.0	TERRAP SANE0	0.088	0.00	0.0
	VEGETAL	2.728	0.00	0.0				
10.000	FIRME	4.529	46.09	46.1	RELL PIE TERRA	0.067	0.65	0.7
	D TIERRA	9.536	95.12	95.1	S SEL2	4.034	38.79	38.8
	SUELO EST3	4.020	39.33	39.3	TERRAPLEN	0.000	0.11	0.1
	EXCAVA SANE0	0.000	0.47	0.5	TERRAP SANE0	0.000	0.47	0.5
	VEGETAL	2.775	27.51	27.5				
20.000	FIRME	4.527	45.41	91.5	RELL PIE TERRA	0.071	0.65	1.3
	D TIERRA	8.862	92.17	187.3	S SEL2	4.042	40.39	79.2
	SUELO EST3	4.020	40.23	79.6	VEGETAL	2.777	27.76	55.3
30.000	FIRME	4.481	45.14	136.6	RELL PIE TERRA	0.080	0.72	2.0
	D TIERRA	9.136	89.95	277.2	S SEL2	3.601	38.21	117.4
	SUELO EST3	3.764	38.91	118.5	VEGETAL	2.574	26.75	82.0
40.000	FIRME	4.463	44.79	181.4	RELL PIE TERRA	0.109	0.90	2.9
	D TIERRA	8.403	87.75	365.0	S SEL2	4.162	38.78	156.2
	SUELO EST3	4.001	38.82	157.3	TERRAPLEN	0.031	0.15	0.3
	EXCAVA SANE0	0.265	1.26	1.7	TERRAP SANE0	0.265	1.26	1.7
	VEGETAL	2.961	27.62	109.6				
50.000	FIRME	4.448	44.61	226.0	RELL PIE TERRA	0.087	0.94	3.9
	D TIERRA	7.797	81.14	446.1	S SEL2	4.247	42.04	198.2
	SUELO EST3	3.997	40.00	197.3	TERRAPLEN	0.027	0.29	0.5
	EXCAVA SANE0	0.254	2.59	4.3	TERRAP SANE0	0.254	2.59	4.3
	VEGETAL	2.971	29.65	139.3				
60.000	FIRME	4.447	44.50	270.5	RELL PIE TERRA	0.051	0.67	4.5
	D TIERRA	6.907	73.57	519.7	S SEL2	4.086	41.70	239.9
	SUELO EST3	3.982	39.90	237.2	TERRAPLEN	0.677	3.61	4.2
	EXCAVA SANE0	0.997	6.43	10.7	TERRAP SANE0	0.997	6.43	10.7
	VEGETAL	3.063	30.23	169.5				
70.000	FIRME	4.446	44.47	315.0	RELL PIE TERRA	0.052	0.51	5.0
	D TIERRA	5.288	60.92	580.6	S SEL2	4.140	41.16	281.1
	SUELO EST3	3.995	39.89	277.1	TERRAPLEN	2.977	18.52	22.7
	EXCAVA SANE0	2.229	16.36	27.1	TERRAP SANE0	2.229	16.36	27.1
	VEGETAL	3.220	31.48	201.0				

80.000	FIRME	4.446	44.46	359.5	RELL PIE TERRA	0.053	0.52	5.6	TERRAP SANE0	7.123	22.98	948.4	VEGETAL	6.006	19.11	881.7	
	D TIERRA	3.819	45.50	626.1	S SEL2	4.152	41.46	322.5									
	SUELO EST3	3.995	39.95	317.0	TERRAPLEN	8.085	55.47	78.1	Istram 18.05.05.29 17/01/19 19:15:32	1880							
	EXCAVA SANE0	3.470	28.58	55.7	TERRAP SANE0	3.470	28.58	55.7	PROYECTO :								
90.000	VEGETAL	3.360	32.92	233.9					EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)								
	FIRME	4.447	44.47	403.9	RELL PIE TERRA	0.053	0.53	6.1									
	D TIERRA	1.217	25.25	651.4	S SEL2	4.118	41.34	363.9									
	SUELO EST3	3.992	39.93	357.0	TERRAPLEN	12.279	101.40	179.5									
100.000	EXCAVA SANE0	5.450	44.43	100.1	TERRAP SANE0	5.450	44.43	100.1									
	VEGETAL	3.238	32.95	266.9													
	FIRME	4.447	44.48	448.4	RELL PIE TERRA	0.043	0.49	6.6									
	D TIERRA	0.000	6.15	657.5	S SEL2	4.284	42.00	405.9									
110.000	SUELO EST3	3.997	39.95	396.9	TERRAPLEN	14.166	131.70	311.2									
	EXCAVA SANE0	7.176	62.90	163.0	TERRAP SANE0	7.176	62.90	163.0									
	VEGETAL	3.215	32.21	299.1													
	FIRME	4.471	44.62	493.0	RELL PIE TERRA	0.055	0.51	7.1									
120.000	S SEL2	4.301	42.93	448.8	SUELO EST3	4.013	40.06	437.0									
	TERRAPLEN	26.646	204.39	515.6	EXCAVA SANE0	8.525	78.52	241.5									
	TERRAP SANE0	8.525	78.52	241.5	VEGETAL	3.814	35.15	334.2									
	FIRME	4.537	45.09	538.1	RELL PIE TERRA	0.050	0.55	7.6									
130.000	S SEL2	4.341	43.22	492.0	SUELO EST3	4.053	40.34	477.3									
	TERRAPLEN	19.436	231.66	747.3	EXCAVA SANE0	8.104	83.38	324.9									
	TERRAP SANE0	8.104	83.38	324.9	VEGETAL	3.622	37.29	371.5									
	FIRME	4.603	45.78	583.9	RELL PIE TERRA	0.050	0.53	8.2									
140.000	S SEL2	4.385	43.64	535.7	SUELO EST3	4.091	40.73	518.0									
	TERRAPLEN	17.601	186.68	934.0	EXCAVA SANE0	8.034	80.97	405.9									
	TERRAP SANE0	8.034	80.97	405.9	VEGETAL	3.591	36.20	407.7									
	FIRME	4.634	46.32	630.2	RELL PIE TERRA	0.051	0.54	8.7									
150.000	S SEL2	4.415	44.01	579.7	SUELO EST3	4.120	41.07	559.1									
	TERRAPLEN	22.380	202.33	1136.3	EXCAVA SANE0	8.439	82.83	488.7									
	TERRAP SANE0	8.439	82.83	488.7	VEGETAL	3.769	37.02	444.7									
	FIRME	4.786	47.21	677.5	RELL PIE TERRA	0.050	0.54	9.2									
	D TIERRA	3.376	16.53	674.1	S SEL2	4.086	42.60	622.3									
	SUELO EST3	4.032	40.81	599.9	TERRAPLEN	0.105	114.14	1250.4									
	EXCAVA SANE0	5.641	70.60	559.3	TERRAP SANE0	5.641	70.60	559.3									
	VEGETAL	2.929	33.68	478.4													
Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 3																	
PROYECTO :																	
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)																	

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *																	
* * * cubicacion segun distancias compensadas * * *																	

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.			
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160.000	FIRME	5.109	49.45	726.9	RELL PIE TERRA	0.050	0.53	9.8									
	D TIERRA	8.401	58.05	732.1	S SEL2	4.100	41.02	663.3									
	SUELO EST3	4.231	41.34	641.3	TERRAPLEN	0.003	0.54	1251.0									
	EXCAVA SANE0	0.009	28.12	587.4	TERRAP SANE0	0.009	28.12	587.4									
	VEGETAL	3.003	29.66	508.1													
170.000	FIRME	5.108	50.99	777.9	RELL PIE TERRA	0.000	0.26	10.0									
	D TIERRA	12.642	104.09	836.2	S SEL2	3.914	40.03	703.3									
	SUELO EST3	4.083	41.51	682.8	TERRAPLEN	0.020	0.11	1251.1									
	EXCAVA SANE0	0.000	0.04	587.5	TERRAP SANE0	0.000	0.04	587.5									
	VEGETAL	2.994	29.88	538.0													
180.000	FIRME	5.553	53.31	831.2	D TIERRA	26.897	196.60	1032.8									
	S SEL2	4.099	40.02	743.3	SUELO EST3	4.270	41.71	724.5									
	TERRAPLEN	0.019	0.18	1251.3	VEGETAL	3.423	31.99	569.9									
190.000	FIRME	5.553	55.64	886.9	D TIERRA	25.934	263.58	1296.4									
	S SEL2	4.099	40.98	784.3	SUELO EST3	4.270	42.69	767.2									
	TERRAPLEN	0.019	0.18	1251.4	VEGETAL	3.414	34.15	604.1									
200.000	FIRME	5.119	53.37	940.2	D TIERRA	16.343	210.44	1506.8									
	S SEL2	3.832	39.59	823.9	SUELO EST3	4.002	41.29	808.5									
	TERRAPLEN	0.020	0.18	1251.6	VEGETAL	3.064	32.29	636.4									
210.000	FIRME	5.676	53.95	994.2	D TIERRA	14.704	154.10	1660.9									
	S SEL2	4.203	40.09	864.0	SUELO EST3	4.374	41.79	850.2									
	TERRAPLEN	0.032	0.26	1251.9	EXCAVA SANE0	7.173	35.81	623.3									
220.000	TERRAP SANE0	7.173	35.81	623.3	VEGETAL	3.208	31.24	667.6									
	FIRME	6.534	60.79	1055.0	D TIERRA	3.328	90.07	1751.0									
	S SEL2	5.655	48.88	912.9	SUELO EST3	5.643	49.73	900.0									
	TERRAPLEN	0.281	1.56	1253.4	EXCAVA SANE0	2.275	47.10	670.4									
	TERRAP SANE0	2.275	47.10	670.4	VEGETAL	3.898	35.27	702.9									
230.000	FIRME	9.193	77.80	1132.8	D TIERRA	4.007	37.89	1788.9									
	S SEL2	7.910	66.73	979.6	SUELO EST3	7.853	66.55	966.5									
	TERRAPLEN	3.749	19.25	1272.7	EXCAVA SANE0	12.514	72.79	743.2									
240.000	TERRAP SANE0	12.514	72.79	743.2	VEGETAL	5.562	46.59	749.5									
	FIRME	9.195	90.80	1223.6	D TIERRA	6.027	52.61	1841.5									
	S SEL2	7.923	77.74	1057.3	SUELO EST3	7.866	77.38	1043.9									
	TERRAPLEN	9.126	60.65	1333.3	EXCAVA SANE0	8.766	103.12	846.3									
	TERRAP SANE0	8.766	103.12	846.3	VEGETAL	5.754	55.54	805.0									
Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 4																	
PROYECTO :																	
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)																	

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *																	
* * * cubicacion segun distancias compensadas * * *																	

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.			
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250.000	FIRME	9.432	92.02	1315.6	D TIERRA	9.769	82.73	1924.2									
	S SEL2	8.089	78.68	1136.0	SUELO EST3	8.033	78.33	1122.2									
	TERRAPLEN	9.857	88.70	1422.0	EXCAVA SANE0	7.962	79.11	925.4									
	TERRAP SANE0	7.962	79.11	925.4	VEGETAL	5.975	57.56	862.6									
253.246	FIRME	9.432	30.27	1345.9	D TIERRA	11.710	36.44	1960.7									
	S SEL2	8.094	25.83	1161.9	SUELO EST3	8.036	25.72	1147.9									
	TERRAPLEN	9.008	28.43	1450.5	EXCAVA SANE0	7.123	22.98	948.4									

110.000	TERRAPLEN	0.828	14.63	797.3	VEGETAL	2.660	26.96	254.0
	FIRME	3.488	34.70	333.7	D TIERRA	1.453	15.88	180.0
	S SEL2	3.234	32.89	314.0	SUELO EST3	3.146	31.40	296.9
120.000	TERRAPLEN	4.385	25.10	822.4	VEGETAL	2.656	26.14	280.1
	FIRME	3.452	34.46	368.2	D TIERRA	0.952	12.07	192.0
	S SEL2	3.203	31.91	345.9	SUELO EST3	3.116	31.08	328.0
	TERRAPLEN	4.434	43.09	865.5	VEGETAL	2.503	25.50	305.6

Istram 18.05.05.29 18/01/19 14:24:56 1880

PROYECTO :

EJE: 40: Enlace Cigales Sur: V_{de} de servicio Dch.

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
130.000	FIRME	3.415	34.20	402.4	D TIERRA	0.415	6.86	198.9
	S SEL2	3.036	31.04	376.9	SUELO EST3	2.979	30.34	358.3
	TERRAPLEN	5.523	49.33	914.9	VEGETAL	2.308	23.91	329.5
140.000	FIRME	3.340	33.73	436.1	D TIERRA	3.538	19.73	218.6
	S SEL2	2.510	27.69	404.6	SUELO EST3	2.683	28.27	386.6
	TERRAPLEN	0.387	29.49	944.4	VEGETAL	1.850	20.76	350.3
150.000	FIRME	3.767	35.50	471.6	D TIERRA	7.577	55.49	274.1
	S SEL2	2.821	26.63	431.2	SUELO EST3	2.994	28.36	414.9
	TERRAPLEN	0.021	2.04	946.4	VEGETAL	2.243	20.45	370.7
160.000	FIRME	3.680	37.20	508.8	D TIERRA	11.060	93.05	367.2
	S SEL2	2.717	27.66	458.9	SUELO EST3	2.890	29.39	444.3
	TERRAPLEN	0.021	0.21	946.6	VEGETAL	2.238	22.38	393.1
170.000	FIRME	4.193	39.33	548.2	D TIERRA	15.403	132.16	499.3
	S SEL2	3.057	28.84	487.7	SUELO EST3	3.231	30.58	474.9
	TERRAPLEN	0.043	0.32	946.9	VEGETAL	2.675	24.54	417.7
180.000	FIRME	4.193	41.90	590.1	D TIERRA	17.440	164.06	663.4
	S SEL2	3.058	30.55	518.3	SUELO EST3	3.231	32.28	507.2
	TERRAPLEN	0.043	0.43	947.4	VEGETAL	2.708	26.89	444.6
190.000	FIRME	4.193	41.90	632.0	D TIERRA	18.344	178.76	842.1
	S SEL2	3.058	30.55	548.8	SUELO EST3	3.231	32.28	539.5
	TERRAPLEN	0.043	0.43	947.8	VEGETAL	2.724	27.14	471.7
200.000	FIRME	4.193	41.90	673.9	D TIERRA	18.481	183.97	1026.1
	S SEL2	3.058	30.55	579.4	SUELO EST3	3.231	32.28	571.8
	TERRAPLEN	0.042	0.42	948.2	VEGETAL	2.712	27.16	498.8
210.000	FIRME	4.193	41.90	715.8	D TIERRA	18.310	183.80	1209.9
	S SEL2	3.058	30.55	609.9	SUELO EST3	3.231	32.28	604.0
	TERRAPLEN	0.043	0.42	948.6	VEGETAL	2.674	26.91	525.8
220.000	FIRME	4.193	41.90	757.7	D TIERRA	18.230	182.55	1392.5
	S SEL2	3.058	30.55	640.5	SUELO EST3	3.230	32.28	636.3
	TERRAPLEN	0.042	0.42	949.1	VEGETAL	2.650	26.60	552.4
230.000	FIRME	4.193	41.90	799.6	D TIERRA	17.651	179.26	1571.7
	S SEL2	3.057	30.55	671.0	SUELO EST3	3.231	32.28	668.6
	TERRAPLEN	0.044	0.43	949.5	VEGETAL	2.591	26.19	578.5
240.000	FIRME	4.193	41.90	841.5	D TIERRA	19.035	183.27	1755.0
	S SEL2	3.058	30.55	701.6	SUELO EST3	3.231	32.28	700.9
	TERRAPLEN	0.025	0.34	949.8	EXCAVA SANE0	0.015	0.07	0.1
	TERRAP SANE0	0.015	0.07	0.1	VEGETAL	2.608	25.97	604.5

Istram 18.05.05.29 18/01/19 14:24:56 1880

PROYECTO :

EJE: 40: Enlace Cigales Sur: V_{de} de servicio Dch.

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
250.000	FIRME	4.193	41.90	883.4	D TIERRA	18.868	189.34	1944.3
	S SEL2	3.058	30.55	732.1	SUELO EST3	3.231	32.28	733.2
	TERRAPLEN	0.033	0.29	950.1	EXCAVA SANE0	0.000	0.07	0.1
	TERRAP SANE0	0.000	0.07	0.1	VEGETAL	2.614	26.08	630.6
260.000	FIRME	4.193	41.90	925.3	D TIERRA	19.164	189.99	2134.3
	S SEL2	3.058	30.55	762.7	SUELO EST3	3.231	32.28	765.4
	TERRAPLEN	0.034	0.33	950.5	VEGETAL	2.649	26.29	656.9
270.000	FIRME	4.193	41.90	967.2	D TIERRA	19.387	192.59	2326.9
	S SEL2	3.058	30.55	793.2	SUELO EST3	3.230	32.28	797.7
	TERRAPLEN	0.035	0.34	950.8	VEGETAL	2.670	26.57	683.5
280.000	FIRME	4.193	41.90	1009.1	D TIERRA	19.649	195.02	2521.9
	S SEL2	3.057	30.55	823.8	SUELO EST3	3.231	32.28	830.0
	TERRAPLEN	0.035	0.35	951.1	VEGETAL	2.690	26.77	710.2
290.000	FIRME	4.193	41.90	1051.0	D TIERRA	20.099	198.58	2720.5
	S SEL2	3.058	30.55	854.3	SUELO EST3	3.231	32.28	862.3
	TERRAPLEN	0.039	0.37	951.5	VEGETAL	2.771	27.28	737.5
300.000	FIRME	4.193	41.90	1092.9	D TIERRA	19.785	199.26	2919.8
	S SEL2	3.058	30.55	884.9	SUELO EST3	3.231	32.28	894.5
	TERRAPLEN	0.039	0.39	951.9	VEGETAL	2.758	27.63	765.1
310.000	FIRME	4.193	41.90	1134.8	D TIERRA	19.038	193.95	3113.7
	S SEL2	3.058	30.55	915.4	SUELO EST3	3.231	32.28	926.8
	TERRAPLEN	0.039	0.39	952.3	VEGETAL	2.725	27.39	792.5
320.000	FIRME	4.193	41.90	1176.7	D TIERRA	17.966	184.86	3298.6
	S SEL2	3.058	30.55	946.0	SUELO EST3	3.230	32.28	959.1
	TERRAPLEN	0.039	0.39	952.7	VEGETAL	2.701	27.11	819.6
330.000	FIRME	4.193	41.90	1218.6	D TIERRA	16.710	173.23	3471.8
	S SEL2	3.057	30.55	976.5	SUELO EST3	3.231	32.28	991.4
	TERRAPLEN	0.039	0.39	953.1	VEGETAL	2.670	26.83	846.5
340.000	FIRME	4.193	41.90	1260.5	D TIERRA	15.669	161.76	3633.6
	S SEL2	3.058	30.55	1007.1	SUELO EST3	3.231	32.28	1023.7
	TERRAPLEN	0.040	0.40	953.5	VEGETAL	2.646	26.56	873.0
350.000	FIRME	4.193	41.90	1302.4	D TIERRA	14.952	152.97	3786.5
	S SEL2	3.058	30.55	1037.6	SUELO EST3	3.231	32.28	1055.9
	TERRAPLEN	0.040	0.40	953.9	VEGETAL	2.632	26.37	899.4

360.000	FIRME	4.193	41.90	1344.3	D TIERRA	13.160	140.45	3927.0
	S SEL2	3.058	30.55	1068.2	SUELO EST3	3.231	32.28	1088.2
	TERRAPLEN	0.022	0.31	954.2	EXCAVA SANE0	0.007	0.03	0.2
	TERRAP SANE0	0.007	0.03	0.2	VEGETAL	2.523	25.75	925.2

Istram 18.05.05.29 18/01/19 14:24:56 1880

PROYECTO :

EJE: 40: Enlace Cigales Sur: V_{de} de servicio Dch.

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
370.000	FIRME	4.193	41.90	1386.2	D TIERRA	13.071	131.06	4058.1
	S SEL2	3.058	30.55	1098.7	SUELO EST3	3.230	32.28	1120.5
	TERRAPLEN	0.039	0.31	954.5	EXCAVA SANE0	0.000	0.03	0.2
	TERRAP SANE0	0.000	0.03	0.2	VEGETAL	2.547	25.33	950.5
380.000	FIRME	4.193	41.90	1428.1	D TIERRA	12.262	126.57	4184.6
	S SEL2	3.057	30.55	1129.3	SUELO EST3	3.231	32.28	1152.8
	TERRAPLEN	0.039	0.39	954.9	VEGETAL	2.518	25.31	975.8
390.000	FIRME	3.806	39.97	1468.0	D TIERRA	8.198	102.24	4286.9
	S SEL2	2.837	29.45	1158.7	SUELO EST3	3.010	31.18	1184.0
	TERRAPLEN	0.019	0.29	955.2	VEGETAL	2.210	23.63	999.4
400.000	FIRME	3.807	38.04	1506.1	D TIERRA	7.447	78.20	4365.1
	S SEL2	2.864	28.48	1187.2	SUELO EST3	3.037	30.21	1214.2
	TERRAPLEN	0.012	0.15	955.3	EXCAVA SANE0	0.039	0.20	0.4
	TERRAP SANE0	0.039	0.20	0.4	VEGETAL	2.183	21.96	1021.4
410.000	FIRME	3.355	35.79	1541.9	D TIERRA	5.699	65.70	4430.8
	S SEL2	2.622	27.41	1214.6	SUELO EST3	2.791	29.12	1243.3
	TERRAPLEN	0.000	0.06	955.4	EXCAVA SANE0	0.000	0.20	0.6
	TERRAP SANE0	0.000	0.20	0.6	VEGETAL	1.913	20.47	1041.8
420.000	FIRME	3.381	33.67	1575.5	D TIERRA	4.870	52.83	4483.6
	S SEL2	2.845	27.33	1242.0	SUELO EST3	2.992	28.91	1272.2
	VEGETAL	2.031	19.72	1061.6				
430.000	FIRME	3.344	33.64	1609.2	D TIERRA	3.387	41.30	4524.9
	S SEL2	3.036	29.42	1271.4	SUELO EST3	3.062	30.29	1302.5
	VEGETAL	2.109	20.71	1082.3				
440.000	FIRME	3.306	33.27	1642.5	D TIERRA	2.303	28.46	4553.4
	S SEL2	3.175	31.07	1302.5	SUELO EST3	3.077	30.71	1333.2
	VEGETAL	2.171	21.41	1103.7				
450.000	FIRME	3.300	33.05	1675.5	D TIERRA	0.934	16.20	4569.6
	S SEL2	3.280	32.29	1334.7	SUELO EST3	3.078	30.79	1364.0
	VEGETAL	2.227	22.01	1125.7				
460.000	FIRME	3.300	33.02	1708.5	D TIERRA	0.264	6.00	4575.6
	S SEL2	3.336	33.10	1367.8	SUELO EST3	3.078	30.80	1394.8
	TERRAPLEN	0.888	4.44	959.8	EXCAVA SANE0	2.257	11.29	11.9
	TERRAP SANE0	2.257	11.29	11.9	VEGETAL	2.272	22.51	1148.2
470.000	FIRME	3.300	33.02	1741.5	D TIERRA	0.034	1.49	4577.0
	S SEL2	3.359	33.50	1401.3	SUELO EST3	3.077	30.79	1425.6
	TERRAPLEN	1.851	13.70	973.5	EXCAVA SANE0	3.661	29.60	41.5
	TERRAP SANE0	3.661	29.60	41.5	VEGETAL	2.324	22.99	1171.2

Istram 18.05.05.29 18/01/19 14:24:56 1880

PROYECTO :

EJE: 40: Enlace Cigales Sur: V_{de} de servicio Dch.

pagina 5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	FIRME	3.300		33.02	1774.5	D TIERRA	0.025		0.29	4577.3
	S SEL2	3.361		33.62	1435.0	SUELO EST3	3.077		30.79	1456.4
	TERRAPLEN	2.650		22.53	996.0	EXCAVA SANO	3.809		37.37	78.9
	TERRAP SANO	3.809		37.37	78.9	VEGETAL	2.371		23.49	1194.7
490.000	FIRME	3.300		33.02	1807.6	D TIERRA	0.015		0.20	4577.5
	S SEL2	3.363		33.64	1468.6	SUELO EST3	3.078		30.79	1487.2
	TERRAPLEN	2.809		27.33	1023.4	EXCAVA SANO	0.000		19.06	97.9
	TERRAP SANO	0.000		19.06	97.9	VEGETAL	2.414		23.94	1218.6
500.000	FIRME	3.300		33.02	1840.6	D TIERRA	0.002		0.08	4577.6
	S SEL2	3.365		33.66	1502.3	SUELO EST3	3.078		30.80	1518.0
	TERRAPLEN	2.440		26.28	1049.7	VEGETAL	2.531		24.74	1243.4
510.000	FIRME	3.300		33.02	1873.6	S SEL2	3.365		33.67	1535.9
	SUELO EST3	3.078		30.80	1548.8	TERRAPLEN	1.721		20.83	1070.5
	VEGETAL	2.493		25.14	1268.5					
520.000	FIRME	3.300		33.02	1906.6	S SEL2	3.365		33.67	1569.6
	SUELO EST3	3.078		30.79	1579.6	TERRAPLEN	1.203		14.63	1085.1
	VEGETAL	2.350		24.23	1292.7					
530.000	FIRME	3.300		33.02	1939.6	D TIERRA	0.089		0.45	4578.1
	S SEL2	3.354		33.61	1603.2	SUELO EST3	3.078		30.79	1610.4
	TERRAPLEN	0.964		10.84	1095.9	VEGETAL	2.344		23.48	1316.2
540.000	FIRME	3.300		33.02	1972.7	D TIERRA	0.222		1.56	4579.6
	S SEL2	3.332		33.45	1636.7	SUELO EST3	3.078		30.79	1641.1
	TERRAPLEN	1.402		11.83	1107.8	VEGETAL	2.371		23.59	1339.8
550.000	FIRME	3.300		33.02	2005.7	D TIERRA	0.186		2.04	4581.7
	S SEL2	3.333		33.35	1670.0	SUELO EST3	3.078		30.80	1671.9
	TERRAPLEN	2.228		18.15	1125.9	VEGETAL	2.356		23.65	1363.4
560.000	FIRME	3.300		33.02	2038.7	D TIERRA	0.115		1.51	4583.2
	S SEL2	3.336		33.36	1703.4	SUELO EST3	3.078		30.80	1702.7
	TERRAPLEN	2.695		24.62	1150.5	VEGETAL	2.270		23.14	1386.6
570.000	FIRME	3.300		33.02	2071.7	D TIERRA	0.148		1.32	4584.5
	S SEL2	3.352		33.46	1736.8	SUELO EST3	3.078		30.79	1733.5
	TERRAPLEN	2.756		27.27	1177.8	VEGETAL	2.301		22.87	1409.4
580.000	FIRME	3.300		33.02	2104.7	D TIERRA	0.049		0.99	4585.5
	S SEL2	3.362		33.59	1770.4	SUELO EST3	3.077		30.79	1764.3
	TERRAPLEN	2.500		26.30	1204.1	VEGETAL	2.359		23.31	1432.8
590.000	FIRME	3.300		33.02	2137.7	D TIERRA	0.000		0.25	4585.7

S SEL2	3.365	33.65	1804.1	SUELO EST3	3.078	30.79	1795.1
TERRAPLEN	1.835	21.70	1225.8	VEGETAL	2.462	24.12	1456.9
Istram 18.05.05.29 18/01/19 14:24:56 1880							
PROYECTO :							
EJE: 40: Enlace Cigales Sur: V de servicio Dch.							

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
600.000	FIRME	3.300	33.02	2170.8	D TIERRA	0.015	0.08	4585.8
	S SEL2	3.365	33.67	1837.7	SUELO EST3	3.078	30.80	1825.9
	TERRAPLEN	1.152	14.95	1240.8	VEGETAL	2.456	24.61	1481.5
610.000	FIRME	3.300	33.02	2203.8	D TIERRA	0.144	0.80	4586.6
	S SEL2	3.348	33.58	1871.3	SUELO EST3	3.078	30.80	1856.7
	TERRAPLEN	1.582	13.67	1254.4	VEGETAL	2.342	24.00	1505.5
620.000	FIRME	3.300	33.02	2236.8	D TIERRA	0.100	1.22	4587.8
	S SEL2	3.340	33.46	1904.8	SUELO EST3	3.077	30.79	1887.5
	TERRAPLEN	2.047	18.15	1272.6	VEGETAL	2.277	23.11	1528.6
630.000	FIRME	3.300	33.02	2269.8	D TIERRA	0.032	0.66	4588.5
	S SEL2	3.313	33.28	1938.1	SUELO EST3	3.077	30.79	1918.3
	TERRAPLEN	3.844	29.46	1302.0	VEGETAL	2.260	22.70	1551.3
640.000	FIRME	3.300	33.02	2302.8	D TIERRA	0.061	0.46	4588.9
	S SEL2	3.226	32.71	1970.8	SUELO EST3	3.077	30.79	1949.1
	TERRAPLEN	5.161	45.04	1347.1	VEGETAL	2.247	22.55	1573.9
650.000	FIRME	3.300	33.02	2335.8	D TIERRA	0.096	0.78	4589.7
	S SEL2	3.187	32.09	2002.9	SUELO EST3	3.070	30.75	1979.8
	TERRAPLEN	8.108	66.38	1413.5	VEGETAL	2.291	22.71	1596.6
660.000	FIRME	3.300	33.02	2368.9	D TIERRA	0.179	1.38	4591.1
	S SEL2	3.144	31.68	2034.5	SUELO EST3	3.054	30.63	2010.5
	TERRAPLEN	9.273	86.97	1500.4	VEGETAL	2.339	23.17	1619.7
670.000	FIRME	3.300	33.02	2401.9	D TIERRA	0.361	2.70	4593.8
	S SEL2	3.136	31.42	2066.0	SUELO EST3	3.050	30.54	2041.0
	TERRAPLEN	9.328	93.10	1593.5	VEGETAL	2.401	23.72	1643.5
680.000	FIRME	3.300	33.02	2434.9	D TIERRA	0.599	4.79	4598.6
	S SEL2	3.051	30.96	2096.9	SUELO EST3	2.993	30.23	2071.2
	TERRAPLEN	9.165	92.59	1686.1	VEGETAL	2.464	24.35	1667.8
690.000	FIRME	3.300	33.02	2467.9	D TIERRA	0.575	5.86	4604.5
	S SEL2	3.128	30.92	2127.8	SUELO EST3	3.045	30.21	2101.4
	TERRAPLEN	10.709	99.53	1785.7	VEGETAL	2.648	25.58	1693.4
700.000	FIRME	3.300	33.02	2500.9	D TIERRA	0.343	4.59	4609.1
	S SEL2	3.202	31.67	2159.5	SUELO EST3	3.072	30.61	2132.1
	TERRAPLEN	11.937	113.43	1899.1	VEGETAL	2.837	27.45	1720.8
710.000	FIRME	3.300	33.02	2534.0	D TIERRA	0.165	2.54	4611.6
	S SEL2	3.281	32.44	2191.9	SUELO EST3	3.078	30.77	2162.8
	TERRAPLEN	13.074	125.29	2024.4	VEGETAL	3.030	29.37	1750.2

Istram 18.05.05.29 18/01/19 14:24:56 1880								
PROYECTO :								
EJE: 40: Enlace Cigales Sur: V de servicio Dch.								

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
720.000	FIRME	3.300	33.02	2567.0	D TIERRA	0.000	0.82	4612.4
	S SEL2	3.365	33.25	2225.2	SUELO EST3	3.078	30.79	2193.6
	TERRAPLEN	18.163	156.47	2180.9	VEGETAL	3.310	31.74	1781.9
730.000	FIRME	3.300	33.02	2600.0	S SEL2	3.364	33.66	2258.8
	SUELO EST3	3.077	30.79	2224.4	TERRAPLEN	25.101	216.67	2397.5
	VEGETAL	3.617	34.68	1816.6				
740.000	FIRME	3.300	33.02	2633.0	S SEL2	3.365	33.67	2292.5
	SUELO EST3	3.078	30.80	2255.2	TERRAPLEN	32.221	287.04	2684.6
	VEGETAL	3.869	37.48	1854.1				
750.000	FIRME	3.300	33.02	2666.0	S SEL2	3.365	33.67	2326.2
	SUELO EST3	3.077	30.79	2286.0	TERRAPLEN	40.165	362.45	3047.0
	VEGETAL	4.174	40.27	1894.4				
760.000	FIRME	3.300	33.02	2699.0	S SEL2	3.365	33.67	2359.9
	SUELO EST3	3.078	30.79	2316.8	TERRAPLEN	51.552	459.24	3506.3
	VEGETAL	4.506	43.46	1937.8				
770.000	FIRME	3.299	33.02	2732.1	S SEL2	3.365	33.67	2393.5
	SUELO EST3	3.078	30.80	2347.6	TERRAPLEN	62.712	572.12	4078.4
	VEGETAL	4.745	46.32	1984.1				
780.000	FIRME	3.325	33.14	2765.2	S SEL2	3.369	33.69	2427.2
	SUELO EST3	3.082	30.82	2378.4	TERRAPLEN	73.098	680.01	4758.4
	VEGETAL	4.953	48.56	2032.7				
786.000	FIRME	2.720	18.15	2783.3	D TIERRA	0.125	0.37	4612.8
	S SEL2	2.583	17.87	2445.1	SUELO EST3	2.439	16.58	2395.0
	TERRAPLEN	68.604	425.83	5184.2	VEGETAL	3.993	26.89	2059.6
	MUROS	2.470	7.41	7.4				
790.000	FIRME	4.167	13.77	2797.1	D TIERRA	0.112	0.47	4613.3
	S SEL2	3.821	12.80	2457.9	SUELO EST3	3.677	12.22	2407.2
	TERRAPLEN	89.203	314.93	5499.1	VEGETAL	4.882	17.70	2077.3
	MUROS	2.082	9.12	16.5				
800.000	FIRME	4.282	42.17	2839.3	D TIERRA	0.115	1.15	4614.4
	S SEL2	3.914	38.55	2496.4	SUELO EST3	3.770	37.14	2444.4
	TERRAPLEN	100.760	937.66	6436.8	VEGETAL	5.106	49.14	2126.4
	MUROS	2.347	22.42	38.9				
810.000	FIRME	4.363	43.05	2882.3	D TIERRA	0.125	1.23	4615.6
	S SEL2	3.999	39.30	2535.7	SUELO EST3	3.856	37.92	2482.3
	TERRAPLEN	112.528	1034.99	7471.8	VEGETAL	5.246	49.87	2176.3
	MUROS	2.608	25.48	64.4				

Istram 18.05.05.29 18/01/19 14:24:56 1880								
PROYECTO :								

EJE: 40: Enlace Cigales Sur: V de servicio Dch.							
***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****							

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
820.000	FIRME	4.467	43.89	2926.2	D TIERRA	0.120	1.28	4616.9
	S SEL2	4.094	40.05	2575.8	SUELO EST3	3.949	38.70	2521.0
	TERRAPLEN	123.860	1124.98	8596.8	VEGETAL	5.285	49.66	2226.0
	MUROS	2.650	27.47	91.9				
830.000	FIRME	4.584	44.90	2971.1	D TIERRA	0.122	1.28	4618.2
	S SEL2	4.195	40.87	2616.7	SUELO EST3	4.047	39.53	2560.5
	TERRAPLEN	134.657	1207.06	9803.8	VEGETAL	5.328	49.02	2275.0
	MUROS	2.915	29.57	121.5				
840.000	FIRME	4.637	45.67	3016.8	D TIERRA	0.119	1.30	4619.5
	S SEL2	4.243	41.46	2658.1	SUELO EST3	4.092	40.13	2600.6
	TERRAPLEN	147.364	1298.89	11102.7	VEGETAL	5.383	48.55	2323.6
	MUROS	3.086	32.34	153.8				
850.000	FIRME	5.379	49.96	3066.8	D TIERRA	0.000	0.64	4620.2
	S SEL2	5.056	46.14	2704.3	SUELO EST3	4.765	44.01	2644.6
	TERRAPLEN	189.603	1582.82	12685.5	VEGETAL	6.904	57.24	2380.8
	MUROS	0.000	16.67	170.5				
860.000	FIRME	5.337	53.77	3120.5	S SEL2	5.039	50.52	2754.8
	SUELO EST3	4.752	47.63	2692.3	TERRAPLEN	213.686	1941.80	14627.3
	VEGETAL	7.117	67.18	2448.0				
870.000	FIRME	5.323	53.45	3174.0	S SEL2	5.033	50.40	2805.2
	SUELO EST3	4.746	47.53	2739.8	TERRAPLEN	231.086	2182.45	16809.8
	VEGETAL	7.659	71.55	2519.5				
877.585	FIRME	5.321	40.44	3214.4	S SEL2	5.034	38.20	2843.4
	SUELO EST3	4.747	36.02	2775.8	TERRAPLEN	232.044	1747.39	18557.2
	VEGETAL	8.148	59.05	2578.6				

Istram 18.05.05.29 18/01/19 14:24:56 1880								
PROYECTO :								
EJE: 40: Enlace Cigales Sur: V de servicio Dch.								

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****		
MATERIAL	VOLUMEN	
-----	-----	
FIRME	3214.4	
D TIERRA	4620.2	
S SEL2	2843.4	
SUELO EST3	2775.8	
TERRAPLEN	18557.2	
EXCAVA SANE0	97.9	
TERRAP SANE0	97.9	
VEGETAL	2578.6	
MUROS	170.5	

DESBROCE ENLACE CIGALES SUR

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 35: Enlace Cigales Sur: Glorieta Dch.

* * * D E S B R O C E S * * *									

PK inicial		:		0.000					
PK final		:		188.496					
P.K.		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 41: Enlace Cigales Sur: Ramal 1

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	384.858						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--					
0.000	12.470	12.536	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	12.610	12.715	0.006	0.006	125.287	0.028	126.141	0.029	
20.000	12.183	12.246	0.000	0.000	249.145	0.057	250.834	0.059	
30.000	11.691	11.851	0.000	0.000	368.408	0.057	371.209	0.059	
40.000	9.710	9.928	1.070	1.084	475.325	5.395	480.010	5.469	
50.000	12.429	12.984	1.850	1.876	585.894	19.974	594.431	20.248	
60.000	11.132	11.666	2.369	2.417	703.502	41.051	717.469	41.695	
70.000	10.412	10.986	3.165	3.243	811.011	68.711	830.506	69.983	
80.000	10.402	11.028	3.515	3.649	914.861	102.121	940.349	104.448	
90.000	12.918	13.689	2.303	2.413	1031.216	131.231	1063.684	134.778	
100.000	15.451	16.507	0.000	0.000	1172.767	142.756	1214.351	146.855	
110.000	17.470	18.402	0.000	0.000	1337.279	142.756	1388.793	146.855	
120.000	18.328	18.978	0.000	0.000	1516.268	142.756	1575.690	146.855	
130.000	18.407	19.025	0.000	0.000	1699.941	142.756	1765.704	146.855	
140.000	18.036	18.649	0.000	0.000	1882.153	142.756	1954.076	146.855	
150.000	17.893	18.528	0.000	0.000	2061.798	142.756	2139.965	146.855	
160.000	18.413	18.930	0.000	0.000	2243.329	142.756	2327.256	146.855	
170.000	18.833	19.068	0.000	0.000	2429.555	142.756	2517.243	146.855	
180.000	19.409	19.516	0.000	0.000	2620.763	142.756	2710.163	146.855	
190.000	20.170	20.173	0.000	0.000	2818.657	142.756	2908.611	146.855	
200.000	20.118	20.121	0.000	0.000	3020.097	142.756	3110.080	146.855	
210.000	20.041	20.043	0.000	0.000	3220.892	142.756	3310.898	146.855	
220.000	19.985	19.987	0.000	0.000	3421.022	142.756	3511.051	146.855	
230.000	19.872	19.874	0.000	0.000	3620.305	142.756	3710.356	146.855	
240.000	19.785	19.787	0.000	0.000	3818.589	142.756	3908.661	146.855	
250.000	19.633	19.635	0.000	0.000	4015.678	142.756	4105.773	146.855	
260.000	19.424	19.426	0.000	0.000	4210.962	142.756	4301.078	146.855	
270.000	19.190	19.192	0.000	0.000	4404.032	142.756	4494.168	146.855	
280.000	18.860	18.861	0.000	0.000	4594.279	142.756	4684.434	146.855	
290.000	18.443	18.444	0.000	0.000	4780.790	142.756	4870.963	146.855	
300.000	19.104	19.104	0.000	0.000	4968.523	142.756	5058.704	146.855	
310.000	18.503	18.503	0.000	0.000	5156.559	142.756	5246.740	146.855	
320.000	17.824	18.128	0.000	0.000	5338.335	142.756	5430.043	146.855	
330.000	18.240	18.343	0.000	0.000	5518.850	142.756	5612.601	146.855	
340.000	15.390	15.392	0.000	0.000	5687.185	142.756	5781.465	146.855	
350.000	16.002	16.914	0.000	0.000	5844.309	142.756	5943.172	146.855	
360.000	13.754	13.758	0.000	0.000	5993.244	142.756	6096.694	146.855	

Istram 18.05.05.29 18/01/19 14:24:57 1880
PROYECTO :
EJE: 41: Enlace Cigales Sur: Ramal 1

* * * D E S B R O C E S * * *										
* * * cubicacion segun distancias compensadas * * *										

PK inicial		:		0.000						
PK final		:		384.858						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	-----		-----		-----		-----		-----	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE	
									TERRAPLEN	

pagina 1

370.000	11.758	11.760	0.000	0.000	6120.945	142.756	6224.423	146.855
380.000	1.183	1.185	11.671	11.684	6185.725	201.165	6289.227	205.330
384.858	2.560	2.566	10.368	10.393	6194.838	254.738	6298.361	258.996

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:			0.000							
PK final		:			893.208							
ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	--PLANTA--	--REAL--	--PLANTA--	--REAL--								
17.613	0.600	0.600	21.848	21.848	0.000	0.000	0.000	0.000	0.000	0.000		
20.000	0.600	0.600	21.767	21.767	1.355	49.228	1.355	49.228	1.355	49.228		
30.000	0.600	0.600	21.507	21.507	7.040	254.233	7.040	254.233	7.040	254.233		
40.000	0.600	0.600	21.361	21.361	12.733	457.591	12.733	457.591	12.733	457.591		
50.000	0.600	0.600	22.745	22.748	18.456	667.406	18.457	667.419	18.457	667.419		
60.000	0.600	0.601	22.254	22.257	24.247	883.491	24.248	883.535	24.248	883.535		
70.000	0.601	0.601	21.572	21.576	30.088	1095.870	30.090	1095.947	30.090	1095.947		
80.000	0.600	0.600	20.626	20.629	35.972	1302.082	35.975	1302.190	35.975	1302.190		
90.000	0.600	0.600	19.398	19.401	41.895	1499.206	41.899	1499.344	41.899	1499.344		
100.000	0.600	0.601	17.940	17.943	47.858	1684.458	47.863	1684.626	47.863	1684.626		
110.000	0.623	0.624	16.552	16.558	53.968	1856.622	53.977	1856.833	53.977	1856.833		
120.000	0.622	0.623	15.226	15.235	60.192	2015.362	60.208	2015.647	60.208	2015.647		
130.000	0.618	0.619	13.870	13.880	66.390	2160.705	66.414	2161.086	66.414	2161.086		
140.000	0.600	0.600	12.725	12.725	72.478	2293.550	72.505	2293.982	72.505	2293.982		
150.000	3.610	3.610	8.254	8.254	93.484	2398.359	93.511	2398.793	93.511	2398.793		
160.000	12.414	12.414	0.000	0.000	173.474	2439.609	173.504	2440.044	173.504	2440.044		
170.000	14.643	14.643	0.000	0.000	308.583	2439.609	308.617	2440.044	308.617	2440.044		
180.000	15.663	15.664	0.000	0.000	459.934	2439.609	459.974	2440.044	459.974	2440.044		
190.000	16.193	16.193	0.000	0.000	619.030	2439.609	619.072	2440.044	619.072	2440.044		
200.000	15.292	15.294	0.000	0.000	776.270	2439.609	776.320	2440.044	776.320	2440.044		
210.000	15.439	15.440	0.000	0.000	929.742	2439.609	929.808	2440.044	929.808	2440.044		
220.000	15.662	15.663	0.000	0.000	1085.069	2439.609	1085.149	2440.044	1085.149	2440.044		
230.000	15.898	15.898	0.000	0.000	1242.692	2439.609	1242.780	2440.044	1242.780	2440.044		
240.000	15.672	15.675	0.000	0.000	1400.364	2439.609	1400.470	2440.044	1400.470	2440.044		
250.000	15.275	15.306	0.000	0.000	1554.922	2439.609	1555.198	2440.044	1555.198	2440.044		
255.000	15.883	15.962	0.000	0.000	1632.716	2439.609	1633.265	2440.044	1633.265	2440.044		
260.000	16.692	16.894	0.000	0.000	1714.026	2439.609	1715.275	2440.044	1715.275	2440.044		
270.000	18.145	18.821	0.000	0.000	1887.874	2439.609	1893.503	2440.044	1893.503	2440.044		
280.000	19.362	20.429	0.000	0.000	2074.975	2439.609	2089.293	2440.044	2089.293	2440.044		
290.000	19.195	20.344	0.000	0.000	2267.276	2439.609	2292.649	2440.044	2292.649	2440.044		
300.000	18.953	19.845	0.000	0.000	2457.533	2439.609	2493.089	2440.044	2493.089	2440.044		
310.000	17.000	17.617	0.000	0.000	2636.863	2439.609	2679.953	2440.044	2679.953	2440.044		
320.000	16.445	17.034	0.000	0.000	2803.712	2439.609	2852.829	2440.044	2852.829	2440.044		
330.000	17.092	17.701	0.000	0.000	2971.024	2439.609	3026.133	2440.044	3026.133	2440.044		
340.000	17.969	18.790	0.000	0.000	3145.938	2439.609	3208.199	2440.044	3208.199	2440.044		
350.000	19.805	20.769	0.000	0.000	3334.381	2439.609	3405.559	2440.044	3405.559	2440.044		
360.000	20.079	21.055	0.000	0.000	3533.353	2439.609	3614.214	2440.044	3614.214	2440.044		

650.000	20.810	20.810	0.000	0.000	10043.943	2439.609	10195.774	2440.044
660.000	21.282	21.567	0.000	0.000	10254.310	2439.609	10407.564	2440.044
670.000	20.237	20.273	0.000	0.000	10461.825	2439.609	10616.685	2440.044
680.000	16.465	16.467	0.000	0.000	10645.248	2439.609	10800.303	2440.044
690.000	17.222	18.064	0.000	0.000	10813.602	2439.609	10972.875	2440.044
700.000	14.142	14.148	0.000	0.000	10970.352	2439.609	11133.859	2440.044
710.000	11.396	11.397	0.000	0.000	11097.976	2439.609	11261.577	2440.044
720.000	2.753	2.758	9.312	9.322	11168.673	2486.156	11332.245	2486.640
730.000	0.621	0.622	16.588	16.609	11185.524	2615.635	11349.130	2616.278

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial      :      0.000
PK final       :     893.208
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P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	-REAL-	-PLANTA-	-REAL-				
740.000	6.944	7.125	13.142	13.456	11223.301	2764.302	11387.819	2766.627
750.000	16.512	16.613	0.000	0.000	11340.480	2830.035	11506.411	2833.935
760.000	12.663	12.701	7.797	8.253	11486.258	2869.065	11652.885	2875.250
770.000	0.653	0.658	19.356	19.456	11552.795	3004.887	11719.634	3013.855
780.000	0.603	0.603	21.574	21.686	11559.076	3209.558	11725.938	3219.588
790.000	0.600	0.601	22.592	22.831	11565.090	3430.433	11731.960	3442.222
800.000	0.603	0.604	21.893	21.930	11571.123	3653.032	11738.001	3666.216
810.000	0.582	0.582	19.929	19.934	11577.050	3861.582	11743.933	3874.970
820.000	0.588	0.588	22.117	22.517	11582.909	4071.775	11749.794	4087.197
830.000	0.586	0.586	30.618	32.430	11588.945	4342.769	11755.831	4370.583
840.000	3.091	3.563	24.263	25.064	11610.078	4627.875	11779.783	4670.901
850.000	2.214	2.220	15.937	15.970	11638.351	4832.553	11810.914	4880.303
860.000	28.863	29.237	0.000	0.000	11795.910	4912.863	11970.669	4960.776
870.000	33.649	34.507	0.000	0.000	12112.199	4912.863	12293.453	4960.776
880.000	35.515	36.070	0.000	0.000	12461.352	4912.863	12649.859	4960.776
890.000	36.787	37.029	0.000	0.000	12828.515	4912.863	13021.119	4960.776
893.208	36.971	37.260	0.000	0.000	12948.860	4912.863	13142.280	4960.776

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial	:	0.000
PK final	:	508.084

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	-REAL-				
0.000	0.940	0.971	20.823	21.245	0.000	0.000	0.000	0.000
10.000	1.071	1.115	19.623	20.032	10.096	203.065	10.472	207.237
20.000	1.105	1.161	18.858	19.220	21.021	396.224	21.899	404.269
30.000	1.420	1.515	17.321	17.595	33.700	577.784	35.340	589.024
40.000	1.172	1.225	16.201	16.467	46.715	745.959	49.102	759.906
50.000	1.063	1.106	15.097	15.396	57.931	902.937	60.798	919.717
60.000	1.053	1.092	14.168	14.424	68.546	1049.679	71.821	1069.247
70.000	1.151	1.227	15.501	15.784	79.603	1198.382	83.455	1220.655
80.000	1.152	1.202	14.658	14.949	91.160	1349.491	95.639	1374.646
90.000	5.047	5.153	10.556	10.866	122.193	1475.869	127.454	1504.041
100.000	5.910	5.944	9.460	9.860	177.007	1576.266	182.798	1608.000
110.000	6.756	6.777	7.971	8.426	240.361	1663.722	246.613	1699.748
120.000	6.249	6.275	7.954	8.343	305.407	1743.620	311.895	1783.880
130.000	6.307	6.367	7.415	7.792	368.206	1820.714	375.124	1864.813
140.000	6.510	6.570	6.954	7.418	432.308	1892.785	439.827	1941.096
150.000	6.568	6.597	6.544	6.881	497.710	1960.481	505.673	2012.799
160.000	1.479	1.496	11.636	11.911	537.960	2051.562	546.154	2106.945
170.000	0.621	0.623	12.582	12.619	548.474	2172.821	556.761	2229.768
180.000	0.617	0.617	12.477	12.510	554.672	2298.285	562.968	2355.582
190.000	0.606	0.606	12.587	12.615	560.793	2423.769	569.092	2481.370
200.000	0.603	0.603	12.497	12.499	566.844	2549.345	575.144	2607.095
210.000	0.597	0.597	12.282	12.284	572.848	2673.393	581.249	2731.161
220.000	0.737	0.746	12.370	12.381	579.524	2796.807	587.872	2854.641
230.000	0.623	0.624	12.777	12.823	586.335	2922.708	594.731	2980.834
240.000	0.592	0.592	12.647	12.685	592.418	3050.005	600.817	3108.557
250.000	0.561	0.562	12.501	12.521	598.188	3175.920	606.591	3234.763
260.000	0.587	0.588	12.251	12.294	603.937	3299.846	612.346	3359.006
270.000	0.587	0.587	12.141	12.212	609.816	3421.964	618.227	3481.693
280.000	0.595	0.595	11.984	12.064	615.725	3542.555	624.136	3603.039
290.000	0.572	0.573	11.770	11.846	621.554	3661.200	629.973	3722.465
300.000	2.571	2.573	9.842	9.903	637.231	3769.174	645.669	3831.124
310.000	7.662	7.666	4.812	4.878	688.290	3842.431	696.763	3905.017
320.000	10.551	10.580	1.640	1.675	779.220	3874.712	787.861	3937.803
330.000	11.267	11.294	0.000	0.000	888.190	3882.920	897.110	3946.185
340.000	11.809	11.821	0.000	0.000	1003.461	3882.920	1012.575	3946.185
350.000	13.779	13.786	0.000	0.000	1131.279	3882.920	1140.486	3946.185
360.000	13.992	13.999	0.000	0.000	1269.989	3882.920	1279.268	3946.185

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

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* * * D E S B R O C E S * * *

pagina 3

* * * cubiacion segun distancias compensadas * * *									
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PK inicial		: 0.000							
PK final		: 508.084							
P.K.		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL					
370.000	14.192	14.200	0.000	0.000	1410.758	3882.920	1420.113	3946.185	
380.000	14.474	14.504	0.000	0.000	1553.928	3882.920	1563.471	3946.185	
390.000	14.794	14.865	0.000	0.000	1700.099	3882.920	1710.145	3946.185	
400.000	14.887	14.971	0.000	0.000	1848.332	3882.920	1859.151	3946.185	
410.000	14.984	15.074	0.000	0.000	1997.516	3882.920	2009.201	3946.185	
420.000	15.063	15.115	0.000	0.000	2147.579	3882.920	2159.970	3946.185	
430.000	15.109	15.152	0.000	0.000	2298.265	3882.920	2311.131	3946.185	
440.000	15.129	15.160	0.000	0.000	2449.280	3882.920	2462.520	3946.185	
450.000	15.156	15.178	0.000	0.000	2600.534	3882.920	2614.041	3946.185	
460.000	15.182	15.197	0.000	0.000	2752.058	3882.920	2765.747	3946.185	
470.000	15.219	15.231	0.000	0.000	2903.896	3882.920	2917.721	3946.185	
480.000	15.276	15.288	0.000	0.000	3056.204	3882.920	3070.150	3946.185	
490.000	15.313	15.328	0.000	0.000	3208.983	3882.920	3223.065	3946.185	
500.000	15.297	15.312	0.000	0.000	3361.869	3882.920	3376.100	3946.185	
508.084	15.194	15.204	0.000	0.000	3484.982	3882.920	3499.313	3946.185	

Istram 18.05.05.29 17/01/19 19:15:32 1880

PROYECTO :
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial      :      0.000
PK final        :     253.246
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P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA	REAL	PLANTA	REAL				
0.000	13.713	13.804	0.000	0.000	0.000	0.000	0.000	0.000
10.000	13.951	14.153	0.000	0.000	138.279	0.000	139.736	0.000
20.000	13.962	14.122	0.000	0.000	277.807	0.000	281.086	0.000
30.000	12.945	13.032	0.000	0.000	412.243	0.000	416.736	0.000
40.000	14.098	14.337	0.904	0.981	547.302	4.324	553.387	4.691
50.000	13.858	14.076	1.066	1.141	686.944	14.201	695.299	15.327
60.000	12.320	12.383	3.089	3.377	817.674	35.433	827.436	38.415
70.000	8.598	8.655	7.592	7.963	922.111	89.292	932.476	95.606
80.000	6.289	6.316	10.604	11.112	996.496	180.413	1007.282	191.130
90.000	1.484	1.487	14.796	15.159	1035.437	307.150	1046.370	322.215
100.000	0.715	0.737	15.466	15.658	1046.486	458.136	1057.543	475.995
110.000	0.850	0.860	18.359	18.365	1054.374	627.299	1065.594	646.170
120.000	0.789	0.789	17.420	17.425	1062.697	806.690	1073.969	825.618
130.000	0.800	0.800	17.252	17.252	1070.776	980.643	1082.048	999.597
140.000	0.794	0.795	18.149	18.169	1078.924	1158.631	1090.201	1177.687
150.000	5.148	5.148	9.592	9.592	1108.149	1298.839	1119.433	1317.998
160.000	10.770	10.770	4.430	4.430	1186.345	1370.386	1197.631	1389.547
170.000	15.071	15.071	0.000	0.000	1314.386	1393.176	1325.672	1412.336
180.000	17.214	17.232	0.000	0.000	1475.377	1393.176	1486.748	1412.336
190.000	17.168	17.188	0.000	0.000	1647.199	1393.176	1658.751	1412.336
200.000	15.418	15.418	0.000	0.000	1809.685	1393.176	1821.334	1412.336
210.000	16.075	16.092	0.000	0.000	1966.581	1393.176	1978.314	1412.336
220.000	4.904	4.923	14.685	14.769	2072.097	1464.693	2084.013	1484.277
230.000	7.491	7.520	20.317	20.425	2136.517	1633.743	2148.682	1654.296
240.000	8.635	8.703	20.236	20.374	2220.696	1827.816	2233.361	1849.606
250.000	10.909	10.965	19.067	19.156	2322.601	2014.788	2335.901	2037.712
253.246	12.322	12.370	17.808	17.879	2361.841	2071.426	2375.312	2094.606

Istram 18.05.05.29 17/01/19 19:15:32 1880

PROYECTO :
EJE: 38: Enlace Cigales Sur: VA-VP-4401 (2)

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial      :      0.000
PK final       :     32.201
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P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA	REAL	PLANTA	REAL				
0.000	15.005	15.106	29.786	31.825	0.000	0.000	0.000	0.000
10.000	13.318	13.650	16.053	17.932	141.613	229.195	143.780	248.784
20.000	13.885	14.255	7.919	9.100	277.625	349.056	283.307	383.946
30.000	13.662	14.276	11.336	12.818	415.358	445.332	425.966	493.535
32.001	13.708	14.368	11.719	13.377	445.479	470.703	457.489	522.362

Istram 18.05.05.29 18/01/19 14:24:56 1880

PROYECTO :
EJE: 40: Enlace Cigales Sur: V^{de} de servicio Dch.

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial	:	0.000
PK final	:	895.369

ANCHOS OCUPADOS	AREA DE DESBROCE EN PLANTA	SUPERFICIE REAL
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pagina 2

P.K.	-----				-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA--	--REAL--	PLANTA--	--REAL--	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
17.028	10.712	10.746	0.000	0.000	0.000	0.000	0.000	0.000
20.000	10.522	10.560	0.000	0.000	30.046	0.000	30.142	0.000
30.000	10.505	10.597	2.203	2.278	130.037	11.515	130.732	11.905
40.000	1.266	1.267	17.129	18.201	185.974	110.583	187.102	117.098
50.000	0.613	0.614	17.478	18.356	195.078	286.224	196.210	302.968
60.000	0.609	0.609	16.856	17.558	201.216	458.951	202.349	483.776
70.000	0.608	0.608	15.836	16.381	207.298	622.557	208.432	653.697
80.000	0.615	0.615	14.820	15.202	213.382	775.373	214.517	811.209
90.000	0.989	1.023	13.041	13.218	221.359	913.788	222.668	952.467
100.000	1.062	1.112	12.236	12.394	231.420	1038.512	233.141	1078.845
110.000	0.887	0.887	12.394	12.629	240.998	1159.612	242.963	1201.852
120.000	1.074	1.074	11.440	11.567	250.771	1277.322	252.740	1321.344
130.000	1.076	1.101	10.465	10.685	261.506	1386.144	263.608	1431.897
140.000	5.143	5.237	4.109	4.363	292.551	1458.904	295.251	1507.027
150.000	9.010	9.091	2.207	2.243	363.221	1490.474	366.798	1540.049
160.000	11.188	11.271	0.000	0.000	464.073	1501.507	468.473	1551.264
170.000	13.373	13.471	0.000	0.000	586.749	1501.507	592.057	1551.264
180.000	13.537	13.671	0.000	0.000	721.192	1501.507	727.659	1551.264
190.000	13.620	13.785	0.000	0.000	856.869	1501.507	864.829	1551.264
200.000	13.562	13.760	0.000	0.000	992.671	1501.507	1002.446	1551.264
210.000	13.370	13.572	0.000	0.000	1127.224	1501.507	1139.003	1551.264
220.000	13.252	13.489	0.000	0.000	1260.222	1501.507	1274.203	1551.264
230.000	12.955	13.143	0.000	0.000	1391.145	1501.507	1407.254	1551.264
240.000	13.138	13.290	0.000	0.000	1521.490	1501.507	1539.300	1551.264
250.000	13.070	13.208	0.000	0.000	1652.403	1501.507	1671.667	1551.264
260.000	13.248	13.350	0.000	0.000	1783.868	1501.507	1804.333	1551.264
270.000	13.349	13.433	0.000	0.000	1916.729	1501.507	1938.124	1551.264
280.000	13.449	13.522	0.000	0.000	2050.596	1501.507	2072.777	1551.264
290.000	13.856	13.861	0.000	0.000	2187.004	1501.507	2209.577	1551.264
300.000	13.791	13.794	0.000	0.000	2325.127	1501.507	2347.743	1551.264
310.000	13.625	13.628	0.000	0.000	2462.092	1501.507	2484.739	1551.264
320.000	13.503	13.505	0.000	0.000	2597.621	1501.507	2620.287	1551.264
330.000	13.353	13.353	0.000	0.000	2731.790	1501.507	2754.462	1551.264
340.000	13.231	13.231	0.000	0.000	2864.597	1501.507	2887.271	1551.264
350.000	13.160	13.161	0.000	0.000	2996.441	1501.507	3019.122	1551.264
360.000	12.694	12.706	0.000	0.000	3125.609	1501.507	3148.354	1551.264
370.000	12.734	12.739	0.000	0.000	3252.656	1501.507	3275.480	1551.264

Istram 18.05.05.29 18/01/19 14:24:56 1880
PROYECTO :
EJE: 40: Enlace Cigales Sur: V^{de} de servicio Dch.

pagina 2

***** D E S B R O C E S *****
***** cubicacion segun distancias compensadas *****

PK inicial		:		0.000				
PK final		:		895.369				
				ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		
						SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
380.000	12.591	12.594	0.000	0.000	3379.187	1501.507	3402.046	1551.264
390.000	11.052	11.128	0.000	0.000	3497.324	1501.507	3520.579	1551.264
400.000	10.937	11.042	0.000	0.000	3607.207	1501.507	3631.372	1551.264
410.000	9.565	9.633	0.000	0.000	3709.641	1501.507	3734.676	1551.264
420.000	9.344	9.385	0.812	0.817	3804.161	1505.563	3829.743	1555.346
430.000	1.200	1.200	9.344	9.351	3856.908	1556.369	3882.698	1606.209
440.000	0.619	0.619	10.238	10.242	3866.009	1654.331	3891.803	1704.219
450.000	0.601	0.601	10.536	10.536	3872.111	1758.256	3897.906	1808.163
460.000	0.600	0.600	10.760	10.798	3878.117	1864.795	3903.912	1914.888
470.000	0.594	0.594	11.023	11.093	3884.089	1973.776	3909.885	2024.403
480.000	0.597	0.597	11.261	11.335	3890.046	2085.263	3915.842	2136.610
490.000	0.596	0.596	11.474	11.551	3896.015	2199.005	3921.811	2251.111
500.000	0.528	0.532	12.127	12.201	3901.638	2317.090	3927.458	2369.955
510.000	0.719	0.727	11.744	11.786	3907.877	2436.530	3933.760	2489.977
520.000	0.614	0.614	11.135	11.135	3914.548	2550.994	3940.471	2604.655
530.000	0.610	0.610	11.109	11.116	3920.671	2662.271	3946.597	2715.973
540.000	0.611	0.611	11.245	11.263	3926.781	2774.095	3952.708	2827.925
550.000	0.574	0.575	11.204	11.226	3932.710	2886.395	3958.640	2940.424
560.000	0.561	0.563	10.791	10.851	3938.391	2996.429	3964.333	3050.867
570.000	0.594	0.595	10.913	10.979	3944.173	3105.011	3970.127	3160.076
580.000	0.549	0.552	11.245	11.308	3949.892	3215.865	3975.864	3271.575
590.000	0.566	0.567	11.744	11.789	3955.468	3330.882	3981.465	3387.133
600.000	0.720	0.725	11.562	11.590	3961.899	3447.487	3987.930	3504.103
610.000	0.553	0.555	11.155	11.168	3968.268	3561.139	3994.334	3617.954
620.000	0.539	0.541	10.848	10.871	3973.731	3671.216	3999.818	3728.206
630.000	0.454	0.472	10.849	11.055	3978.695	3779.763	4004.886	3837.893
640.000	0.455	0.472	10.782	11.056	3983.242	3887.982	4009.614	3948.513
650.000	0.476	0.487	10.980	11.498	3987.900	3996.861	4014.416	4061.359
660.000	0.504	0.513	11.191	11.640	3992.800	4107.795	4019.423	4177.134
670.000	0.531	0.535	11.473	11.933	3997.978	4221.203	4024.669	4295.090
680.000	1.010	1.027	11.311	11.818	4005.685	4335.224	4032.482	4413.949
690.000	0.601	0.611	12.636	13.122	4013.741	4455.080	4040.674	4538.774
700.000	0.474	0.483	13.709	14.189	4019.120	4586.942	4046.146	4675.473
710.000	0.480	0.487	14.668	15.178	4023.900	4728.986	4051.001	4822.480
720.000	0.456	0.466	16.092	16.621	4028.587	4882.970	4055.773	4981.674
730.000	0.435	0.449	17.649	18.193	4033.050	5051.890	4060.356	5155.973
740.000	0.448	0.460	18.898	19.458	4037.475	5234.873	4064.907	5344.487

Istram 18.05.05.29 18/01/19 14:24:56 1880
PROYECTO :
EJE: 40: Enlace Cigales Sur: V^{de} de servicio Dch.

pagina 3

***** D E S B R O C E S *****
***** cubicacion segun distancias compensadas *****

FIRMES ENLACE CIGALES SUR

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 1
PROYECTO :
EJE: 35: Enlace Cigales Sur: Glorieta Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	2.133	0.00	0.0	AC22 bin D	0.995	0.00	0.0
	AC16 surf S	0.491	0.00	0.0	Rellenos	2.033	0.00	0.0
10.000	Suelo Cemento	2.144	21.38	21.4	AC22 bin D	0.994	9.95	9.9
	AC16 surf S	0.491	4.91	4.9	Rellenos	2.038	20.35	20.4
20.000	Suelo Cemento	2.153	21.48	42.9	AC22 bin D	0.995	9.95	19.9
	AC16 surf S	0.491	4.91	9.8	Rellenos	2.042	20.40	40.8
30.000	Suelo Cemento	2.160	21.56	64.4	AC22 bin D	0.995	9.95	29.8
	AC16 surf S	0.491	4.91	14.7	Rellenos	2.046	20.44	61.2
40.000	Suelo Cemento	2.164	21.62	86.0	AC22 bin D	0.995	9.95	39.8
	AC16 surf S	0.491	4.91	19.6	Rellenos	2.174	21.10	82.3
50.000	Suelo Cemento	2.164	21.64	107.7	AC22 bin D	0.995	9.95	49.7
	AC16 surf S	0.491	4.91	24.6	Rellenos	2.492	23.33	105.6
60.000	Suelo Cemento	2.163	21.64	129.3	AC22 bin D	0.994	9.95	59.7
	AC16 surf S	0.491	4.91	29.5	Rellenos	2.046	22.69	128.3
70.000	Suelo Cemento	2.155	21.59	150.9	AC22 bin D	0.994	9.94	69.6
	AC16 surf S	0.491	4.91	34.4	Rellenos	2.044	20.45	148.8
80.000	Suelo Cemento	2.148	21.52	172.4	AC22 bin D	0.994	9.94	79.6
	AC16 surf S	0.491	4.91	39.3	Rellenos	2.040	20.42	169.2
90.000	Suelo Cemento	2.138	21.43	193.9	AC22 bin D	0.995	9.95	89.5
	AC16 surf S	0.491	4.91	44.2	Rellenos	2.035	20.37	189.6
100.000	Suelo Cemento	2.126	21.32	215.2	AC22 bin D	0.995	9.95	99.5
	AC16 surf S	0.491	4.91	49.1	Rellenos	2.031	20.33	209.9
110.000	Suelo Cemento	2.117	21.22	236.4	AC22 bin D	0.995	9.95	109.4
	AC16 surf S	0.491	4.91	54.0	Rellenos	2.025	20.28	230.2
120.000	Suelo Cemento	2.109	21.13	257.5	AC22 bin D	0.995	9.95	119.4
	AC16 surf S	0.491	4.91	58.9	Rellenos	2.021	20.23	250.4
130.000	Suelo Cemento	2.103	21.06	278.6	AC22 bin D	0.995	9.95	129.3
	AC16 surf S	0.491	4.91	63.8	Rellenos	2.492	22.57	273.0
140.000	Suelo Cemento	2.101	21.02	299.6	AC22 bin D	0.995	9.95	139.3
	AC16 surf S	0.491	4.91	68.8	Rellenos	2.491	24.91	297.9
150.000	Suelo Cemento	2.102	21.02	320.6	AC22 bin D	0.995	9.95	149.2
	AC16 surf S	0.490	4.91	73.7	Rellenos	2.019	22.55	320.4
160.000	Suelo Cemento	2.107	21.05	341.7	AC22 bin D	0.995	9.95	159.2
	AC16 surf S	0.491	4.90	78.6	Rellenos	2.021	20.20	340.6
170.000	Suelo Cemento	2.114	21.11	362.8	AC22 bin D	0.995	9.95	169.1
	AC16 surf S	0.491	4.91	83.5	Rellenos	2.024	20.23	360.9
180.000	Suelo Cemento	2.124	21.19	384.0	AC22 bin D	0.996	9.95	179.1
	AC16 surf S	0.491	4.91	88.4	Rellenos	2.029	20.27	381.1

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 2
PROYECTO :
EJE: 35: Enlace Cigales Sur: Glorieta Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
188.496	Suelo Cemento	2.133	18.08	402.0	AC22 bin D	0.995	8.46	187.5
	AC16 surf S	0.491	4.17	92.6	Rellenos	2.033	17.25	398.4

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 3
PROYECTO :
EJE: 35: Enlace Cigales Sur: Glorieta Dch.

***** RESUMEN DE VOLUMENES TOTALES * * *								
MATERIAL			VOLUMEN					
Suelo Cemento			402.0					
AC22 bin D			187.5					
AC16 surf S			92.6					
Rellenos			398.4					

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 1
PROYECTO :
EJE: 41: Enlace Cigales Sur: Ramal 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.185	0.00	0.0	AC22 bin D	0.520	0.00	0.0
	AC16 surf S	0.247	0.00	0.0	ZA	0.945	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.461	0.00	0.0
10.000	Suelo Cemento	1.185	11.85	11.8	AC22 bin D	0.520	5.20	5.2
	AC16 surf S	0.247	2.47	2.5	ZA	0.946	9.43	9.4
	AC16 surf S	0.115	1.15	1.1	Rellenos	1.461	14.60	14.6
20.000	Suelo Cemento	1.185	11.85	23.7	AC22 bin D	0.520	5.20	10.4
	AC16 surf S	0.247	2.47	4.9	ZA	0.945	9.43	18.9
	AC16 surf S	0.115	1.15	2.3	Rellenos	1.449	14.54	29.1
30.000	Suelo Cemento	1.186	11.85	35.5	AC22 bin D	0.520	5.20	15.6
	AC16 surf S	0.247	2.47	7.4	ZA	0.945	9.43	28.3
	AC16 surf S	0.115	1.15	3.4	Rellenos	1.209	13.28	42.4
40.000	Suelo Cemento	1.185	11.85	47.4	AC22 bin D	0.520	5.19	20.8
	AC16 surf S	0.247	2.47	9.9	ZA	0.945	9.43	37.7
	AC16 surf S	0.115	1.15	4.6	Rellenos	0.828	10.18	52.6

50.000	Suelo Cemento	1.201	11.92	59.3	AC22 bin D	0.529	5.24	26.0
	AC16 surf S	0.251	2.49	12.4	ZA	0.946	9.43	47.2
	AC16 surf S	0.115	1.15	5.7	Rellenos	1.679	12.52	65.1
60.000	Suelo Cemento	1.224	12.12	71.4	AC22 bin D	0.539	5.34	31.4
	AC16 surf S	0.257	2.54	14.9	ZA	0.945	9.43	56.6
	AC16 surf S	0.115	1.15	6.9	Rellenos	1.493	15.83	80.9
70.000	Suelo Cemento	1.246	12.34	83.8	AC22 bin D	0.550	5.44	36.8
	AC16 surf S	0.262	2.59	17.5	ZA	0.946	9.43	66.0
	AC16 surf S	0.115	1.15	8.0	Rellenos	1.521	15.04	96.0
80.000	Suelo Cemento	1.268	12.56	96.3	AC22 bin D	0.562	5.56	42.4
	AC16 surf S	0.268	2.65	20.1	ZA	0.946	9.43	75.5
	AC16 surf S	0.115	1.15	9.2	Rellenos	1.524	15.19	111.2
90.000	Suelo Cemento	1.285	12.76	109.1	AC22 bin D	0.570	5.66	48.0
	AC16 surf S	0.272	2.70	22.8	ZA	0.945	9.43	84.9
	AC16 surf S	0.115	1.15	10.3	Rellenos	1.524	15.21	126.4
100.000	Suelo Cemento	1.285	12.84	121.9	AC22 bin D	0.570	5.70	53.7
	AC16 surf S	0.272	2.72	25.6	ZA	0.945	9.43	94.3
	AC16 surf S	0.115	1.15	11.5	Rellenos	1.394	14.56	140.9
110.000	Suelo Cemento	1.285	12.85	134.8	AC22 bin D	0.569	5.70	59.4
	AC16 surf S	0.272	2.72	28.3	ZA	0.945	9.45	103.8
	AC16 surf S	0.115	1.15	12.6	Rellenos	1.910	16.51	157.5

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 2
PROYECTO :
EJE: 41: Enlace Cigales Sur: Ramal 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.285	12.85	147.6	AC22 bin D	0.570	5.70	65.1
	AC16 surf S	0.272	2.72	31.0	ZA	0.945	9.45	113.2
	AC16 surf S	0.115	1.15	13.8	Rellenos	1.910	19.10	176.6
130.000	Suelo Cemento	1.286	12.85	160.5	AC22 bin D	0.570	5.70	70.8
	AC16 surf S	0.272	2.72	33.7	ZA	0.946	9.45	122.7
	AC16 surf S	0.115	1.15	14.9	Rellenos	1.910	19.10	195.7
140.000	Suelo Cemento	1.285	12.85	173.3	AC22 bin D	0.570	5.70	76.5
	AC16 surf S	0.272	2.72	36.4	ZA	0.945	9.45	132.1
	AC16 surf S	0.115	1.15	16.1	Rellenos	1.911	19.11	214.8
150.000	Suelo Cemento	1.284	12.85	186.2	AC22 bin D	0.570	5.70	82.2
	AC16 surf S	0.272	2.72	39.2	ZA	0.945	9.45	141.6
	AC16 surf S	0.115	1.15	17.2	Rellenos	1.911	19.11	233.9
160.000	Suelo Cemento	1.285	12.85	199.0	AC22 bin D	0.569	5.70	87.9
	AC16 surf S	0.272	2.72	41.9	ZA	0.945	9.45	151.0
	AC16 surf S	0.115	1.15	18.4	Rellenos	1.910	19.11	253.0
170.000	Suelo Cemento	1.285	12.85	211.9	AC22 bin D	0.570	5.70	93.6
	AC16 surf S	0.272	2.72	44.6	ZA	0.945	9.45	160.5
	AC16 surf S	0.115	1.15	19.5	Rellenos	1.910	19.10	272.1
180.000	Suelo Cemento	1.286	12.85	224.7	AC22 bin D	0.570	5.70	99.3
	AC16 surf S	0.272	2.72	47.3	ZA	0.946	9.45	170.0
	AC16 surf S	0.115	1.15	20.7	Rellenos	1.910	19.10	291.2
190.000	Suelo Cemento	1.285	12.85	237.6	AC22 bin D	0.570	5.70	105.0
	AC16 surf S	0.272	2.72	50.1	ZA	0.945	9.45	179.4
	AC16 surf S	0.115	1.15	21.8	Rellenos	1.911	19.11	310.3
200.000	Suelo Cemento	1.284	12.85	250.4	AC22 bin D	0.570	5.70	110.7
	AC16 surf S	0.272	2.72	52.8	ZA	0.945	9.45	188.9
	AC16 surf S	0.115	1.15	23.0	Rellenos	1.911	19.11	329.4
210.000	Suelo Cemento	1.285	12.85	263.3	AC22 bin D	0.569	5.70	116.4
	AC16 surf S	0.272	2.72	55.5	ZA	0.945	9.45	198.3
	AC16 surf S	0.115	1.15	24.1	Rellenos	1.910	19.11	348.5
220.000	Suelo Cemento	1.285	12.85	276.1	AC22 bin D	0.569	5.69	122.1
	AC16 surf S	0.272	2.72	58.2	ZA	0.945	9.45	207.8
	AC16 surf S	0.115	1.15	25.3	Rellenos	1.910	19.10	367.6
230.000	Suelo Cemento	1.286	12.85	289.0	AC22 bin D	0.570	5.70	127.8
	AC16 surf S	0.272	2.72	60.9	ZA	0.946	9.45	217.2
	AC16 surf S	0.115	1.15	26.4	Rellenos	1.910	19.10	386.7

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 3
PROYECTO :
EJE: 41: Enlace Cigales Sur: Ramal 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	Suelo Cemento	1.284	12.85	301.8	AC22 bin D	0.570	5.70	133.5
	AC16 surf S	0.272	2.72	63.7	ZA	0.945	9.45	226.7
	AC16 surf S	0.115	1.15	27.6	Rellenos	1.911	19.11	405.8
250.000	Suelo Cemento	1.285	12.85	314.7	AC22 bin D	0.570	5.70	139.2
	AC16 surf S	0.272	2.72	66.4	ZA	0.945	9.45	236.1
	AC16 surf S	0.115	1.15	28.7	Rellenos	1.911	19.11	424.9
260.000	Suelo Cemento	1.285	12.85	327.5	AC22 bin D	0.570	5.70	144.9
	AC16 surf S	0.272	2.72	69.1	ZA	0.945	9.45	245.6
	AC16 surf S	0.115	1.15	29.9	Rellenos	1.910	19.11	444.0
270.000	Suelo Cemento	1.285	12.85	340.4	AC22 bin D	0.570	5.70	150.6
	AC16 surf S	0.272	2.72	71.8	ZA	0.945	9.45	255.0
	AC16 surf S	0.115	1.15	31.0	Rellenos	1.911	19.10	463.1
280.000	Suelo Cemento	1.285	12.85	353.2	AC22 bin D	0.570	5.70	156.3
	AC16 surf S	0.272	2.72	74.6	ZA	0.945	9.45	264.5
	AC16 surf S	0.115	1.15	32.2	Rellenos	1.911	19.11	482.2
290.000	Suelo Cemento	1.285	12.85	366.1	AC22 bin D	0.570	5.70	162.0
	AC16 surf S	0.272	2.72	77.3	ZA	0.945	9.45	273.9
	AC16 surf S	0.115	1.15	33.3	Rellenos	1.911	19.11	501.3
300.000	Suelo Cemento	1.286	12.86	379.0	AC22 bin D	0.569	5.70	167.7

	AC16 surf S	0.272	2.72	80.0	ZA	0.945	9.45	283.4
	AC16 surf S	0.115	1.15	34.5	Rellenos	1.910	19.11	520.5
310.000	Suelo Cemento	1.285	12.85	391.8	AC22 bin D	0.570	5.70	173.4
	AC16 surf S	0.272	2.72	82.7	ZA	0.945	9.45	292.9
	AC16 surf S	0.115	1.15	35.6	Rellenos	1.911	19.11	539.6
320.000	Suelo Cemento	1.285	12.86	404.7	AC22 bin D	0.570	5.70	179.1
	AC16 surf S	0.272	2.72	85.4	ZA	0.945	9.47	302.3
	AC16 surf S	0.115	1.15	36.8	Rellenos	1.910	19.12	558.7
330.000	Suelo Cemento	1.286	12.86	417.5	AC22 bin D	0.569	5.70	184.8
	AC16 surf S	0.272	2.72	88.2	ZA	0.945	9.48	311.8
	AC16 surf S	0.115	1.15	37.9	Rellenos	1.910	19.13	577.8
340.000	Suelo Cemento	1.285	12.86	430.4	AC22 bin D	0.569	5.70	190.5
	AC16 surf S	0.272	2.72	90.9	ZA	0.945	9.47	321.3
	AC16 surf S	0.115	1.15	39.1	Rellenos	1.910	19.13	596.9
350.000	Suelo Cemento	1.286	12.86	443.3	AC22 bin D	0.570	5.70	196.2
	AC16 surf S	0.272	2.72	93.6	ZA	0.946	9.48	330.7
	AC16 surf S	0.115	1.15	40.2	Rellenos	1.910	19.13	616.1

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :

EJE: 41: Enlace Cigales Sur: Ramal 1

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	Suelo Cemento	1.285	12.86	456.1	AC22 bin D	0.569	5.70	201.9
	AC16 surf S	0.272	2.72	96.3	ZA	0.945	9.48	340.2
	AC16 surf S	0.115	1.15	41.4	Rellenos	1.910	19.13	635.2
370.000	Suelo Cemento	1.284	12.86	469.0	AC22 bin D	0.570	5.70	207.6
	AC16 surf S	0.272	2.72	99.1	ZA	0.945	9.47	349.7
	AC16 surf S	0.115	1.15	42.5	Rellenos	1.070	14.92	650.1
380.000	Suelo Cemento	1.285	12.85	481.8	AC22 bin D	0.570	5.70	213.3
	AC16 surf S	0.272	2.72	101.8	ZA	0.945	9.48	359.2
	AC16 surf S	0.115	1.15	43.7	Rellenos	1.075	10.74	660.9
384.858	Suelo Cemento	1.285	6.25	488.1	AC22 bin D	0.570	2.77	216.0
	AC16 surf S	0.272	1.32	103.1	ZA	0.945	4.60	363.8
	AC16 surf S	0.115	0.56	44.2	Rellenos	1.075	5.23	666.1

Istram 18.05.05.29 18/01/19 14:24:57 1880

PROYECTO :

EJE: 41: Enlace Cigales Sur: Ramal 1

pagina 5

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
MATERIAL		VOLUMEN						
Suelo Cemento		488.1						
AC22 bin D		216.0						
AC16 surf S		103.1						
ZA		363.8						
AC16 surf S		44.2						
Rellenos		666.1						

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :

EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
17.613	Suelo Cemento	1.804	0.00	0.0	AC22 bin D	0.803	0.00	0.0
	AC16 surf S	0.388	0.00	0.0	ZA	0.421	0.00	0.0
	AC16 surf S	0.065	0.00	0.0	Rellenos	0.941	0.00	0.0
20.000	Suelo Cemento	1.763	4.08	4.1	AC22 bin D	0.783	1.81	1.8
	AC16 surf S	0.377	0.87	0.9	ZA	0.449	0.91	0.9
	AC16 surf S	0.069	0.14	0.1	Rellenos	0.944	2.11	2.1
30.000	Suelo Cemento	1.628	16.33	20.4	AC22 bin D	0.716	7.19	9.0
	AC16 surf S	0.344	3.46	4.3	ZA	0.571	4.50	5.4
	AC16 surf S	0.087	0.69	0.8	Rellenos	0.954	8.92	11.0
40.000	Suelo Cemento	1.558	15.41	35.8	AC22 bin D	0.680	6.73	15.7
	AC16 surf S	0.326	3.23	7.6	ZA	0.697	5.62	11.0
	AC16 surf S	0.105	0.86	1.7	Rellenos	0.964	9.02	20.1
50.000	Suelo Cemento	1.531	14.98	50.8	AC22 bin D	0.667	6.51	22.2
	AC16 surf S	0.319	3.12	10.7	ZA	0.770	6.52	17.6
	AC16 surf S	0.115	0.99	2.7	Rellenos	0.970	9.09	29.1
60.000	Suelo Cemento	1.495	14.75	65.5	AC22 bin D	0.649	6.40	28.6
	AC16 surf S	0.311	3.06	13.7	ZA	0.769	6.97	24.5
	AC16 surf S	0.115	1.05	3.7	Rellenos	0.970	9.20	38.3
70.000	Suelo Cemento	1.460	14.49	80.0	AC22 bin D	0.632	6.27	34.9
	AC16 surf S	0.302	3.00	16.7	ZA	0.769	7.13	31.7
	AC16 surf S	0.115	1.07	4.8	Rellenos	0.970	9.31	47.7
80.000	Suelo Cemento	1.425	14.23	94.3	AC22 bin D	0.614	6.13	41.0
	AC16 surf S	0.293	2.93	19.7	ZA	0.770	7.28	38.9
	AC16 surf S	0.115	1.09	5.9	Rellenos	0.970	9.41	57.1
90.000	Suelo Cemento	1.390	13.95	108.2	AC22 bin D	0.596	5.99	47.0
	AC16 surf S	0.284	2.86	22.5	ZA	0.770	7.42	46.4
	AC16 surf S	0.115	1.11	7.0	Rellenos	0.970	9.51	66.6
100.000	Suelo Cemento	1.354	13.66	121.9	AC22 bin D	0.578	5.84	52.9
	AC16 surf S	0.276	2.78	25.3	ZA	0.769	7.55	53.9
	AC16 surf S	0.115	1.13	8.1	Rellenos	0.970	9.60	76.2
110.000	Suelo Cemento	1.337	13.44	135.3	AC22 bin D	0.569	5.73	58.6
	AC16 surf S	0.271	2.73	28.0	ZA	0.770	7.66	61.6

	AC16 surf S	0.115	1.15	9.3	Rellenos	0.970	9.68	85.9
120.000	Suelo Cemento	1.337	13.37	148.7	AC22 bin D	0.569	5.69	64.3
	AC16 surf S	0.271	2.71	30.8	ZA	0.770	7.68	69.3
	AC16 surf S	0.115	1.15	10.4	Rellenos	0.970	9.68	95.5

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :

EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
130.000	Suelo Cemento	1.337	13.37	162.0	AC22 bin D	0.569	5.69	70.0
	AC16 surf S	0.271	2.71	33.5	ZA	0.770	7.68	76.9
	AC16 surf S	0.115	1.15	11.6	Rellenos	0.970	9.68	105.2
140.000	Suelo Cemento	1.337	13.37	175.4	AC22 bin D	0.569	5.69	75.7
	AC16 surf S	0.271	2.71	36.2	ZA	0.770	7.68	84.6
	AC16 surf S	0.115	1.15	12.7	Rellenos	0.970	9.68	114.9
150.000	Suelo Cemento	1.336	13.36	188.8	AC22 bin D	0.570	5.69	81.4
	AC16 surf S	0.271	2.71	38.9	ZA	0.769	7.68	92.3
	AC16 surf S	0.115	1.15	13.9	Rellenos	0.970	9.68	124.6
160.000	Suelo Cemento	1.337	13.36	202.1	AC22 bin D	0.569	5.69	87.1
	AC16 surf S	0.271	2.71	41.6	ZA	0.770	7.68	100.0
	AC16 surf S	0.115	1.15	15.0	Rellenos	1.352	11.59	136.2
170.000	Suelo Cemento	1.337	13.36	215.5	AC22 bin D	0.570	5.69	92.8
	AC16 surf S	0.271	2.71	44.3	ZA	0.769	7.68	107.6
	AC16 surf S	0.115	1.15	16.2	Rellenos	1.785	15.66	151.8
180.000	Suelo Cemento	1.337	13.36	228.9	AC22 bin D	0.570	5.70	98.4
	AC16 surf S	0.271	2.71	47.0	ZA	0.769	7.68	115.3
	AC16 surf S	0.115	1.15	17.3	Rellenos	1.785	17.82	169.7
190.000	Suelo Cemento	1.337	13.36	242.2	AC22 bin D	0.570	5.69	104.1
	AC16 surf S	0.271	2.71	49.7	ZA	0.770	7.68	123.0
	AC16 surf S	0.115	1.15	18.5	Rellenos	1.785	17.82	187.5
200.000	Suelo Cemento	1.337	13.36	255.6	AC22 bin D	0.570	5.70	109.8
	AC16 surf S	0.271	2.71	52.4	ZA	0.770	7.68	130.7
	AC16 surf S	0.115	1.15	19.6	Rellenos	1.785	17.83	205.3
210.000	Suelo Cemento	1.337	13.36	268.9	AC22 bin D	0.570	5.70	115.5
	AC16 surf S	0.271	2.71	55.1	ZA	0.770	7.68	138.4
	AC16 surf S	0.115	1.15	20.8	Rellenos	1.785	17.83	223.1
220.000	Suelo Cemento	1.337	13.36	282.3	AC22 bin D	0.569	5.69	121.2
	AC16 surf S	0.271	2.71	57.8	ZA	0.770	7.68	146.0
	AC16 surf S	0.115	1.15	21.9	Rellenos	1.785	17.83	241.0
230.000	Suelo Cemento	1.337	13.36	295.7	AC22 bin D	0.569	5.69	126.9
	AC16 surf S	0.271	2.71	60.6	ZA	0.770	7.68	153.7
	AC16 surf S	0.115	1.15	23.1	Rellenos	1.784	17.82	258.8
240.000	Suelo Cemento	1.337	13.36	309.0	AC22 bin D	0.570	5.69	132.6
	AC16 surf S	0.271	2.71	63.3	ZA	0.770	7.68	161.4
	AC16 surf S	0.115	1.15	24.2	Rellenos	1.785	17.82	276.6

Istram 18.05.05.29 18/01/19 14:07:34 1880

PROYECTO :

EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
250.000	Suelo Cemento	1.336	13.36	322.4	AC22 bin D	0.570	5.69	138.3
	AC16 surf S	0.271	2.71	66.0	ZA	0.769	7.68	169.1
	AC16 surf S	0.115	1.15	25.4	Rellenos	1.785	17.83	294.4
255.000	Suelo Cemento	1.337	6.68	329.1	AC22 bin D	0.569	2.85	141.1
	AC16 surf S	0.271	1.36	67.3	ZA	0.770	3.84	172.9
	AC16 surf S	0.115	0.57	25.9	Rellenos	1.785	8.91	303.4
260.000	Suelo Cemento	1.337	6.68	335.8	AC22 bin D	0.569	2.85	144.0
	AC16 surf S	0.271	1.36	68.7	ZA	0.769	3.84	176.7
	AC16 surf S	0.115	0.57	26.5	Rellenos	1.785	8.91	312.3
270.000	Suelo Cemento	1.337	13.36	349.1	AC22 bin D	0.570	5.69	149.7
	AC16 surf S	0.271	2.71	71.4	ZA	0.770	7.68	184.4
	AC16 surf S	0.115	1.15	27.7	Rellenos	1.642	17.11	329.4
280.000	Suelo Cemento	1.337	13.36	362.5	AC22 bin D	0.569	5.69	155.4
	AC16 surf S	0.271	2.71	74.1	ZA	0.770	7.68	192.1
	AC16 surf S	0.115	1.15	28.8	Rellenos	1.527	15.82	345.2
290.000	Suelo Cemento	1.337	13.37	375.8	AC22 bin D	0.570	5.69	161.1
	AC16 surf S	0.271	2.71	76.8	ZA	0.770	7.68	199.8
	AC16 surf S	0.115	1.15	30.0	Rellenos	1.498	15.10	360.3
300.000	Suelo Cemento	1.336	13.36	389.2	AC22 bin D	0.570	5.69	166.8
	AC16 surf S	0.271	2.71	79.5	ZA	0.769	7.68	207.5
	AC16 surf S	0.115	1.15	31.1	Rellenos	1.452	14.73	375.0
310.000	Suelo Cemento	1.337	13.36	402.6	AC22 bin D	0.569	5.69	172.5
	AC16 surf S	0.271	2.71	82.2	ZA	0.769	7.68	215.1
	AC16 surf S	0.115	1.15	32.3	Rellenos	1.345	13.96	389.0
320.000	Suelo Cemento	1.337	13.36	415.9	AC22 bin D	0.570	5.69	178.2
	AC16 surf S	0.271	2.71	85.0	ZA	0.770	7.68	222.8
	AC16 surf S	0.115	1.15	33.4	Rellenos	1.289	13.14	402.1
330.000	Suelo Cemento	1.337	13.36	429.3	AC22 bin D	0.569	5.69	183.8
	AC16 surf S	0.271	2.71	87.7	ZA	0.770	7.68	230.5
	AC16 surf S	0.115	1.15	34.6	Rellenos	1.410	13.47	415.6
340.000	Suelo Cemento	1.337	13.37	442.7	AC22 bin D	0.570	5.69	189.5
	AC16 surf S	0.271	2.71	90.4	ZA	0.770	7.68	238.2
	AC16 surf S	0.115	1.15	35.7	Rellenos	1.543	14.74	430.3
350.000	Suelo Cemento	1.336	13.36	456.0	AC22 bin D	0.570	5.69	195.2
	AC16 surf S	0.271	2.71	93.1	ZA	0.769	7.68	245.8
	AC16 surf S	0.115	1.15	36.8	Rellenos	1.785	16.62	447.0

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	Suelo Cemento	1.337	13.36	469.4	AC22 bin D	0.569	5.69	200.9		
	AC16 surf S	0.271	2.71	95.8	ZA	0.769	7.68	253.5		
	AC16 surf S	0.115	1.15	38.0	Rellenos	1.785	17.83	464.8		
370.000	Suelo Cemento	1.337	13.36	482.7	AC22 bin D	0.570	5.69	206.6		
	AC16 surf S	0.271	2.71	98.5	ZA	0.770	7.68	261.2		
	AC16 surf S	0.115	1.15	39.1	Rellenos	1.785	17.83	482.6		
380.000	Suelo Cemento	1.337	13.36	496.1	AC22 bin D	0.569	5.69	212.3		
	AC16 surf S	0.271	2.71	101.2	ZA	0.770	7.68	268.9		
	AC16 surf S	0.115	1.15	40.3	Rellenos	1.785	17.83	500.4		
390.000	Suelo Cemento	1.337	13.37	509.5	AC22 bin D	0.570	5.69	218.0		
	AC16 surf S	0.271	2.71	103.9	ZA	0.770	7.68	276.6		
	AC16 surf S	0.115	1.15	41.4	Rellenos	1.785	17.82	518.3		
400.000	Suelo Cemento	1.336	13.36	522.8	AC22 bin D	0.570	5.69	223.7		
	AC16 surf S	0.271	2.71	106.6	ZA	0.769	7.68	284.2		
	AC16 surf S	0.115	1.15	42.6	Rellenos	1.785	17.83	536.1		
410.000	Suelo Cemento	1.337	13.36	536.2	AC22 bin D	0.569	5.69	229.4		
	AC16 surf S	0.271	2.71	109.3	ZA	0.769	7.68	291.9		
	AC16 surf S	0.115	1.15	43.7	Rellenos	1.785	17.83	553.9		
420.000	Suelo Cemento	1.337	13.36	549.5	AC22 bin D	0.570	5.69	235.1		
	AC16 surf S	0.271	2.71	112.1	ZA	0.770	7.68	299.6		
	AC16 surf S	0.115	1.15	44.9	Rellenos	1.785	17.83	571.7		
430.000	Suelo Cemento	1.337	13.36	562.9	AC22 bin D	0.569	5.69	240.8		
	AC16 surf S	0.271	2.71	114.8	ZA	0.770	7.68	307.3		
	AC16 surf S	0.115	1.15	46.0	Rellenos	1.785	17.83	589.6		
440.000	Suelo Cemento	1.335	13.35	576.3	AC22 bin D	0.570	5.69	246.5		
	AC16 surf S	0.271	2.71	117.5	ZA	0.779	7.73	315.0		
	AC16 surf S	0.115	1.15	47.2	Rellenos	1.792	17.86	607.4		
450.000	Suelo Cemento	1.313	13.23	589.5	AC22 bin D	0.570	5.69	252.2		
	AC16 surf S	0.272	2.71	120.2	ZA	0.846	8.11	323.1		
	AC16 surf S	0.115	1.15	48.3	Rellenos	1.844	18.16	625.6		
460.000	Suelo Cemento	1.294	13.04	602.5	AC22 bin D	0.570	5.70	257.9		
	AC16 surf S	0.272	2.72	122.9	ZA	0.915	8.82	331.9		
	AC16 surf S	0.115	1.15	49.5	Rellenos	1.891	18.69	644.3		
470.000	Suelo Cemento	1.285	12.90	615.4	AC22 bin D	0.570	5.70	263.6		
	AC16 surf S	0.272	2.72	125.6	ZA	0.945	9.32	341.2		
	AC16 surf S	0.115	1.15	50.6	Rellenos	1.911	19.04	663.3		

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 5

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	Suelo Cemento	1.286	12.86	628.3	AC22 bin D	0.569	5.70	269.3		
	AC16 surf S	0.272	2.72	128.3	ZA	0.945	9.48	350.7		
	AC16 surf S	0.115	1.15	51.8	Rellenos	1.910	19.13	682.4		
490.000	Suelo Cemento	1.286	12.87	641.2	AC22 bin D	0.570	5.70	275.0		
	AC16 surf S	0.272	2.72	131.1	ZA	0.946	9.48	360.2		
	AC16 surf S	0.115	1.15	52.9	Rellenos	1.910	19.13	701.6		
500.000	Suelo Cemento	1.284	12.86	654.0	AC22 bin D	0.570	5.70	280.7		
	AC16 surf S	0.272	2.72	133.8	ZA	0.945	9.48	369.7		
	AC16 surf S	0.115	1.15	54.1	Rellenos	1.911	19.13	720.7		
510.000	Suelo Cemento	1.285	12.86	666.9	AC22 bin D	0.569	5.70	286.4		
	AC16 surf S	0.272	2.72	136.5	ZA	0.945	9.48	379.1		
	AC16 surf S	0.115	1.15	55.2	Rellenos	1.910	19.13	739.8		
520.000	Suelo Cemento	1.285	12.86	679.7	AC22 bin D	0.570	5.70	292.1		
	AC16 surf S	0.272	2.72	139.2	ZA	0.945	9.48	388.6		
	AC16 surf S	0.115	1.15	56.4	Rellenos	1.911	19.13	759.0		
530.000	Suelo Cemento	1.286	12.86	692.6	AC22 bin D	0.569	5.70	297.8		
	AC16 surf S	0.272	2.72	142.0	ZA	0.945	9.48	398.1		
	AC16 surf S	0.115	1.15	57.5	Rellenos	1.910	19.13	778.1		
540.000	Suelo Cemento	1.286	12.87	705.5	AC22 bin D	0.570	5.70	303.5		
	AC16 surf S	0.272	2.72	144.7	ZA	0.946	9.48	407.6		
	AC16 surf S	0.115	1.15	58.7	Rellenos	1.910	19.13	797.2		
550.000	Suelo Cemento	1.284	12.86	718.3	AC22 bin D	0.570	5.70	309.2		
	AC16 surf S	0.272	2.72	147.4	ZA	0.945	9.48	417.1		
	AC16 surf S	0.115	1.15	59.9	Rellenos	1.911	19.13	816.4		
560.000	Suelo Cemento	1.285	12.86	731.2	AC22 bin D	0.569	5.70	314.9		
	AC16 surf S	0.272	2.72	150.1	ZA	0.945	9.48	426.5		
	AC16 surf S	0.115	1.15	61.0	Rellenos	1.910	19.13	835.5		
570.000	Suelo Cemento	1.285	12.86	744.0	AC22 bin D	0.570	5.70	320.6		
	AC16 surf S	0.272	2.72	152.9	ZA	0.945	9.48	436.0		
	AC16 surf S	0.115	1.15	62.2	Rellenos	1.911	19.13	854.6		
580.000	Suelo Cemento	1.286	12.86	756.9	AC22 bin D	0.569	5.70	326.3		
	AC16 surf S	0.272	2.72	155.6	ZA	0.945	9.48	445.5		
	AC16 surf S	0.115	1.15	63.3	Rellenos	1.910	19.13	873.8		
590.000	Suelo Cemento	1.285	12.85	769.7	AC22 bin D	0.570	5.70	332.0		
	AC16 surf S	0.272	2.72	158.3	ZA	0.945	9.45	454.9		
	AC16 surf S	0.115	1.15	64.5	Rellenos	1.911	19.09	892.9		

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 6

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
600.000	Suelo Cemento	1.284	12.84	782.6	AC22 bin D	0.570	5.70	337.7		
	AC16 surf S	0.272	2.72	161.0	ZA	0.945	9.44	464.4		
	AC16 surf S	0.115	1.15	65.6	Rellenos	1.911	19.09	912.0		
610.000	Suelo Cemento	1.285	12.84	795.4	AC22 bin D	0.570	5.70	343.4		
	AC16 surf S	0.272	2.72	163.7	ZA	0.945	9.44	473.8		
	AC16 surf S	0.115	1.15	66.8	Rellenos	1.910	19.09	931.1		
620.000	Suelo Cemento	1.285	12.85	808.3	AC22 bin D	0.570	5.70	349.1		
	AC16 surf S	0.272	2.72	166.5	ZA	0.945	9.44	483.3		
	AC16 surf S	0.115	1.15	67.9	Rellenos	1.911	19.09	950.1		
630.000	Suelo Cemento	1.285	12.85	821.1	AC22 bin D	0.570	5.70	354.8		
	AC16 surf S	0.272	2.72	169.2	ZA	0.945	9.44	492.7		
	AC16 surf S	0.115	1.15	69.0	Rellenos	1.911	19.09	969.2		
640.000	Suelo Cemento	1.285	12.85	834.0	AC22 bin D	0.570	5.70	360.5		
	AC16 surf S	0.272	2.72	171.9	ZA	0.945	9.44	502.1		
	AC16 surf S	0.115	1.15	70.2	Rellenos	1.911	19.09	988.3		
650.000	Suelo Cemento	1.284	12.85	846.8	AC22 bin D	0.570	5.70	366.1		
	AC16 surf S	0.272	2.72	174.6	ZA	0.945	9.44	511.6		
	AC16 surf S	0.115	1.15	71.3	Rellenos	1.911	19.09	1007.4		
660.000	Suelo Cemento	1.286	12.85	859.7	AC22 bin D	0.569	5.70	371.8		
	AC16 surf S	0.272	2.72	177.3	ZA	0.946	9.44	521.0		
	AC16 surf S	0.115	1.15	72.5	Rellenos	1.910	19.09	1026.5		
670.000	Suelo Cemento	1.285	12.85	872.5	AC22 bin D	0.569	5.69	377.5		
	AC16 surf S	0.272	2.72	180.1	ZA	0.945	9.44	530.5		
	AC16 surf S	0.115	1.15	73.6	Rellenos	1.910	19.09	1045.6		
680.000	Suelo Cemento	1.286	12.85	885.4	AC22 bin D	0.569	5.69	383.2		
	AC16 surf S	0.272	2.72	182.8	ZA	0.946	9.44	539.9		
	AC16 surf S	0.115	1.15	74.8	Rellenos	1.910	19.09	1064.7		
690.000	Suelo Cemento	1.285	12.85	898.2	AC22 bin D	0.570	5.70	388.9		
	AC16 surf S	0.272	2.72	185.5	ZA	0.945	9.44	549.4		
	AC16 surf S	0.115	1.15	75.9	Rellenos	1.911	19.09	1083.8		
700.000	Suelo Cemento	1.284	12.84	911.1	AC22 bin D	0.570	5.70	394.6		
	AC16 surf S	0.272	2.72	188.2	ZA	0.945	9.44	558.8		
	AC16 surf S	0.115	1.15	77.1	Rellenos	1.911	19.09	1102.9		
710.000	Suelo Cemento	1.285	12.84	923.9	AC22 bin D	0.570	5.70	400.3		
	AC16 surf S	0.272	2.72	191.0	ZA	0.945	9.44	568.2		
	AC16 surf S	0.115	1.15	78.2	Rellenos	1.067	14.88	1117.8		

Istram 18.05.05.29 18/01/19 14:07:34 1880
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

pagina 7

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
720.000	Suelo Cemento	1.285		12.85	936.8	AC22 bin D	0.570		5.70	406.0
	AC16 surf S	0.272		2.72	193.7	ZA	0.945		9.44	577.7
	AC16 surf S	0.115		1.15	79.4	Rellenos	1.072	10.69	1128.4	
730.000	Suelo Cemento	2.086		16.86	953.6	AC22 bin D	0.969		7.70	413.7
	AC16 surf S	0.472		3.72	197.4	ZA	0.946		9.44	587.1
	AC16 surf S	0.115		1.15	80.5	Rellenos	1.074	10.72	1139.2	
740.000	Suelo Cemento	2.084		20.85	974.5	AC22 bin D	0.970		9.70	423.4
	AC16 surf S	0.472		4.72	202.1	ZA	0.945		9.44	596.6
	AC16 surf S	0.115		1.15	81.7	Rellenos	1.525	12.98	1152.2	
750.000	Suelo Cemento	1.981		20.33	994.8	AC22 bin D	0.950		9.60	433.0
	AC16 surf S	0.469		4.71	206.8	ZA	0.945		9.44	606.0
	AC16 surf S	0.115		1.15	82.8	Rellenos	1.121	13.21	1165.4	
760.000	Suelo Cemento	2.084		20.32	1015.1	AC22 bin D	0.970		9.60	442.6
	AC16 surf S	0.472		4.71	211.5	ZA	0.945		9.44	615.5
	AC16 surf S	0.115		1.15	84.0	Rellenos	1.525	13.21	1178.6	
770.000	Suelo Cemento	2.085		20.85	1036.0	AC22 bin D	0.970		9.70	452.3
	AC16 surf S	0.472		4.72	216.2	ZA	0.945		9.44	624.9
	AC16 surf S	0.115		1.15	85.1	Rellenos	1.075	12.99	1191.6	
780.000	Suelo Cemento	2.086		20.86	1056.8	AC22 bin D	0.969		9.70	462.0
	AC16 surf S	0.472		4.72	221.0	ZA	0.946		9.44	634.3
	AC16 surf S	0.115		1.15	86.3	Rellenos	1.074	10.74	1202.3	
790.000	Suelo Cemento	2.103		20.95	1077.8	AC22 bin D	0.978		9.74	471.7
	AC16 surf S	0.476		4.74	225.7	ZA	0.945		9.44	643.8
	AC16 surf S	0.115		1.15	87.5	Rellenos	1.075	10.74	1213.0	
800.000	Suelo Cemento	2.133		21.20	1099.0	AC22 bin D	0.994		9.87	481.6
	AC16 surf S	0.484		4.81	230.5	ZA	0.945		9.32	653.1
	AC16 surf S	0.115		1.13	88.6	Rellenos	1.075	10.68	1223.7	
810.000	Suelo Cemento	2.167		21.54	1120.5	AC22 bin D	1.009		10.04	491.7
	AC16 surf S	0.492		4.89	235.4	ZA	0.945		9.15	662.3
	AC16 surf S	0.115		1.12	89.7	Rellenos	1.074	10.60	1234.3	
820.000	Suelo Cemento	2.198		21.87	1142.4	AC22 bin D	1.026		10.20	501.8
	AC16 surf S	0.500		4.97	240.4	ZA	0.945		8.98	671.2
	AC16 surf S	0.115		1.10	90.8	Rellenos	1.075	10.51	1244.8	
830.000	Suelo Cemento	2.230		22.19	1164.6	AC22 bin D	1.042		10.36	512.2
	AC16 surf S	0.508		5.05	245.4	ZA	0.946		8.80	680.0
	AC16 surf S	0.115		1.07	91.8	Rellenos	1.075	10.42	1255.2	

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

840.000	Suelo Cemento	2.386	23.19	1187.8	AC22 bin D	1.119	10.85	523.1
	AC16 surf S	0.547	5.30	250.7	ZA	0.946	8.65	688.7
	AC16 surf S	0.115	1.06	92.9	Rellenos	1.074	10.36	1265.6
850.000	Suelo Cemento	2.386	24.03	1211.8	AC22 bin D	1.119	11.27	534.3
	AC16 surf S	0.547	5.50	256.2	ZA	0.946	8.63	697.3
	AC16 surf S	0.115	1.05	94.0	Rellenos	1.073	10.36	1276.0
860.000	Suelo Cemento	2.394	24.08	1235.9	AC22 bin D	1.120	11.27	545.6
	AC16 surf S	0.547	5.50	261.7	ZA	0.945	8.63	706.0
	AC16 surf S	0.115	1.05	95.0	Rellenos	1.921	14.52	1290.5
870.000	Suelo Cemento	2.415	24.24	1260.1	AC22 bin D	1.119	11.27	556.9
	AC16 surf S	0.547	5.50	267.2	ZA	0.886	8.36	714.3
	AC16 surf S	0.115	1.06	96.1	Rellenos	1.886	18.56	1309.1
880.000	Suelo Cemento	2.387	24.24	1284.3	AC22 bin D	1.096	11.16	568.0
	AC16 surf S	0.534	5.44	272.7	ZA	0.818	7.80	722.1
	AC16 surf S	0.115	1.06	97.1	Rellenos	1.837	18.25	1327.3
890.000	Suelo Cemento	2.318	23.80	1308.1	AC22 bin D	1.061	10.89	578.9
	AC16 surf S	0.517	5.30	278.0	ZA	0.817	7.51	729.6
	AC16 surf S	0.115	1.06	98.2	Rellenos	1.835	18.10	1345.4
893.208	Suelo Cemento	2.297	7.50	1315.6	AC22 bin D	1.049	3.42	582.3
	AC16 surf S	0.511	1.67	279.6	ZA	0.817	2.42	732.0
	AC16 surf S	0.115	0.34	98.5	Rellenos	1.835	5.81	1351.2

Istram 18.05.05.29 18/01/19 14:07:34 1880 pagina 9
PROYECTO :
EJE: 39: Enlace Cigales Sur: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN

Suelo Cemento	1315.6
AC22 bin D	582.3
AC16 surf S	279.6
ZA	732.0
AC16 surf S	98.5
Rellenos	1351.2

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 1
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	Suelo Cemento	1.153	0.00	0.0	AC22 bin D	0.535	0.00	0.0
	AC16 surf S	0.261	0.00	0.0	ZA	0.820	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	0.570	0.00	0.0
10.000	Suelo Cemento	1.149	11.52	11.5	AC22 bin D	0.535	5.35	5.3
	AC16 surf S	0.261	2.62	2.6	ZA	0.888	8.56	8.6
	AC16 surf S	0.115	1.16	1.2	Rellenos	0.625	5.99	6.0
20.000	Suelo Cemento	1.145	11.48	23.0	AC22 bin D	0.535	5.35	10.7
	AC16 surf S	0.261	2.61	5.2	ZA	0.945	9.19	17.8
	AC16 surf S	0.115	1.15	2.3	Rellenos	0.670	6.50	12.5
30.000	Suelo Cemento	1.146	11.46	34.5	AC22 bin D	0.534	5.35	16.1
	AC16 surf S	0.261	2.62	7.8	ZA	0.945	9.48	27.2
	AC16 surf S	0.115	1.15	3.5	Rellenos	0.670	6.73	19.2
40.000	Suelo Cemento	1.145	11.46	45.9	AC22 bin D	0.535	5.35	21.4
	AC16 surf S	0.261	2.62	10.5	ZA	0.945	9.48	36.7
	AC16 surf S	0.115	1.15	4.6	Rellenos	0.670	6.73	25.9
50.000	Suelo Cemento	1.145	11.46	57.4	AC22 bin D	0.535	5.35	26.8
	AC16 surf S	0.261	2.62	13.1	ZA	0.945	9.48	46.2
	AC16 surf S	0.115	1.15	5.8	Rellenos	0.670	6.73	32.7
60.000	Suelo Cemento	1.146	11.47	68.9	AC22 bin D	0.534	5.35	32.1
	AC16 surf S	0.261	2.62	15.7	ZA	0.945	9.48	55.7
	AC16 surf S	0.115	1.15	6.9	Rellenos	0.670	6.73	39.4
70.000	Suelo Cemento	1.285	12.16	81.0	AC22 bin D	0.570	5.52	37.6
	AC16 surf S	0.272	2.67	18.4	ZA	0.945	9.48	65.1
	AC16 surf S	0.115	1.15	8.1	Rellenos	1.075	8.74	48.1
80.000	Suelo Cemento	1.285	12.86	93.9	AC22 bin D	0.570	5.70	43.3
	AC16 surf S	0.272	2.72	21.1	ZA	0.945	9.48	74.6
	AC16 surf S	0.115	1.15	9.2	Rellenos	1.075	10.76	58.9
90.000	Suelo Cemento	1.286	12.86	106.7	AC22 bin D	0.570	5.70	49.0
	AC16 surf S	0.272	2.72	23.8	ZA	0.946	9.48	84.1
	AC16 surf S	0.115	1.15	10.4	Rellenos	1.073	10.76	69.7
100.000	Suelo Cemento	1.284	12.86	119.6	AC22 bin D	0.570	5.70	54.7
	AC16 surf S	0.272	2.72	26.5	ZA	0.945	9.48	93.6
	AC16 surf S	0.115	1.15	11.5	Rellenos	1.074	10.75	80.4
110.000	Suelo Cemento	1.284	12.85	132.5	AC22 bin D	0.570	5.70	60.4
	AC16 surf S	0.272	2.72	29.3	ZA	0.945	9.48	103.1
	AC16 surf S	0.115	1.15	12.7	Rellenos	1.066	10.72	91.1

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 2
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

120.000	Suelo Cemento	1.285	12.86	145.3	AC22 bin D	0.570	5.70	66.1

130.000	AC16 surf S	0.272	2.72	32.0	ZA	0.945	9.48	112.5
	AC16 surf S	0.115	1.15	13.8	Rellenos	1.068	10.69	101.8
	Suelo Cemento	1.285	12.86	158.2	AC22 bin D	0.570	5.70	71.8
140.000	AC16 surf S	0.272	2.72	34.7	ZA	0.945	9.48	122.0
	AC16 surf S	0.115	1.15	15.0	Rellenos	1.072	10.72	112.5
	Suelo Cemento	1.286	12.86	171.0	AC22 bin D	0.569	5.70	77.5
150.000	AC16 surf S	0.272	2.72	37.4	ZA	0.945	9.48	131.5
	AC16 surf S	0.115	1.15	16.1	Rellenos	1.074	10.75	123.3
	Suelo Cemento	1.285	12.86	183.9	AC22 bin D	0.569	5.70	83.2
160.000	AC16 surf S	0.272	2.73	40.1	ZA	0.945	9.48	141.0
	AC16 surf S	0.115	1.15	17.3	Rellenos	1.074	10.76	134.1
	Suelo Cemento	1.285	12.86	196.8	AC22 bin D	0.570	5.70	88.9
170.000	AC16 surf S	0.272	2.72	42.9	ZA	0.945	9.48	150.5
	AC16 surf S	0.115	1.15	18.4	Rellenos	1.074	10.76	144.8
	Suelo Cemento	1.285	12.86	209.6	AC22 bin D	0.569	5.70	94.6
180.000	AC16 surf S	0.272	2.72	45.6	ZA	0.945	9.48	159.9
	AC16 surf S	0.115	1.15	19.6	Rellenos	1.074	10.76	155.6
	Suelo Cemento	1.284	12.86	222.5	AC22 bin D	0.570	5.70	100.4
190.000	AC16 surf S	0.272	2.72	48.3	ZA	0.945	9.48	169.4
	AC16 surf S	0.115	1.15	20.7	Rellenos	1.075	10.76	166.3
	Suelo Cemento	1.285	12.86	235.3	AC22 bin D	0.570	5.70	106.1
200.000	AC16 surf S	0.272	2.72	51.0	ZA	0.945	9.48	178.9
	AC16 surf S	0.115	1.15	21.9	Rellenos	1.075	10.77	177.1
	Suelo Cemento	1.285	12.86	248.2	AC22 bin D	0.570	5.70	111.8
210.000	AC16 surf S	0.272	2.72	53.8	ZA	0.945	9.48	188.4
	AC16 surf S	0.115	1.15	23.1	Rellenos	1.075	10.77	187.9
	Suelo Cemento	1.285	12.86	261.1	AC22 bin D	0.570	5.70	117.5
220.000	AC16 surf S	0.272	2.72	56.5	ZA	0.945	9.48	197.8
	AC16 surf S	0.115	1.15	24.2	Rellenos	1.074	10.76	198.6
	Suelo Cemento	1.285	12.86	273.9	AC22 bin D	0.569	5.70	123.2
230.000	AC16 surf S	0.272	2.72	59.2	ZA	0.945	9.48	207.3
	AC16 surf S	0.115	1.15	25.4	Rellenos	1.074	10.76	209.4
	Suelo Cemento	1.284	12.86	286.8	AC22 bin D	0.570	5.70	128.9
	AC16 surf S	0.272	2.72	61.9	ZA	0.945	9.48	216.8
	AC16 surf S	0.115	1.15	26.5	Rellenos	1.075	10.76	220.2

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 3
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	Suelo Cemento	1.285	12.86	299.6	AC22 bin D	0.570	5.70	134.6
	AC16 surf S	0.272	2.72	64.7	ZA	0.945	9.48	226.3
	AC16 surf S	0.115	1.15	27.7	Rellenos	1.075	10.77	230.9
250.000	Suelo Cemento	1.285	12.86	312.5	AC22 bin D	0.570	5.70	140.3
	AC16 surf S	0.272	2.72	67.4	ZA	0.945	9.48	235.8
	AC16 surf S	0.115	1.15	28.8	Rellenos	1.075	10.76	241.7
260.000	Suelo Cemento	1.284	12.86	325.3	AC22 bin D	0.570	5.70	146.0
	AC16 surf S	0.272	2.72	70.1	ZA	0.945	9.48	245.2
	AC16 surf S	0.115	1.15	30.0	Rellenos	1.075	10.77	252.5
270.000	Suelo Cemento	1.303	12.95	338.3	AC22 bin D	0.570	5.70	151.7
	AC16 surf S	0.272	2.72	72.8	ZA	0.880	9.15	254.4
	AC16 surf S	0.115	1.15	31.1	Rellenos	1.036	10.57	263.0
280.000	Suelo Cemento	1.324	13.13	351.4	AC22 bin D	0.570	5.70	157.4
	AC16 surf S	0.272	2.72	75.5	ZA	0.812	8.46	262.8
	AC16 surf S	0.115	1.15	32.3	Rellenos	0.996	10.15	273.2
290.000	Suelo Cemento	1.337	13.30	364.7	AC22 bin D	0.569	5.69	163.1
	AC16 surf S	0.271	2.71	78.3	ZA	0.770	7.89	270.7
	AC16 surf S	0.115	1.15	33.4	Rellenos	0.970	9.81	283.0
300.000	Suelo Cemento	1.336	13.36	378.1	AC22 bin D	0.570	5.69	168.8
	AC16 surf S	0.271	2.71	81.0	ZA	0.769	7.68	278.4
	AC16 surf S	0.115	1.15	34.6	Rellenos	0.970	9.69	292.7
310.000	Suelo Cemento	1.337	13.36	391.4	AC22 bin D	0.570	5.70	174.5
	AC16 surf S	0.271	2.71	83.7	ZA	0.769	7.68	286.1
	AC16 surf S	0.115	1.15	35.7	Rellenos	0.970	9.68	302.4
320.000	Suelo Cemento	1.337	13.36	404.8	AC22 bin D	0.569	5.69	180.1
	AC16 surf S	0.271	2.71	86.4	ZA	0.770	7.68	293.8
	AC16 surf S	0.115	1.15	36.9	Rellenos	0.968	9.67	312.1
330.000	Suelo Cemento	1.337	13.36	418.2	AC22 bin D	0.570	5.69	185.8
	AC16 surf S	0.271	2.71	89.1	ZA	0.770	7.68	301.4
	AC16 surf S	0.115	1.15	38.0	Rellenos	0.955	9.60	321.7
340.000	Suelo Cemento	1.337	13.36	431.5	AC22 bin D	0.569	5.69	191.5
	AC16 surf S	0.271	2.71	91.8	ZA	0.770	7.68	309.1
	AC16 surf S	0.115	1.15	39.2	Rellenos	1.202	10.78	332.4
350.000	Suelo Cemento	1.336	13.36	444.9	AC22 bin D	0.570	5.69	197.2
	AC16 surf S	0.271	2.71	94.5	ZA	0.770	7.68	316.8
	AC16 surf S	0.115	1.15	40.3	Rellenos	1.785	14.92	347.4

380.000	AC16 surf S	0.115	1.15	42.6	Rellenos	1.785	17.83	383.0
	Suelo Cemento	1.331	13.33	485.0	AC22 bin D	0.566	5.68	214.3
	AC16 surf S	0.269	2.70	102.6	ZA	0.770	7.68	339.8
390.000	AC16 surf S	0.115	1.15	43.8	Rellenos	1.785	17.82	400.8
	Suelo Cemento	1.323	13.26	498.2	AC22 bin D	0.563	5.64	219.9
	AC16 surf S	0.268	2.68	105.3	ZA	0.769	7.68	347.5
400.000	AC16 surf S	0.115	1.15	44.9	Rellenos	1.785	17.83	418.7
	Suelo Cemento	1.316	13.19	511.4	AC22 bin D	0.559	5.61	225.5
	AC16 surf S	0.266	2.67	108.0	ZA	0.769	7.68	355.2
410.000	AC16 surf S	0.115	1.15	46.0	Rellenos	1.785	17.83	436.5
	Suelo Cemento	1.309	13.12	524.5	AC22 bin D	0.555	5.57	231.1
	AC16 surf S	0.264	2.65	110.6	ZA	0.770	7.68	362.9
420.000	AC16 surf S	0.115	1.15	47.2	Rellenos	1.784	17.83	454.3
	Suelo Cemento	1.302	13.05	537.6	AC22 bin D	0.552	5.53	236.6
	AC16 surf S	0.262	2.63	113.3	ZA	0.770	7.68	370.5
430.000	AC16 surf S	0.115	1.15	48.3	Rellenos	1.784	17.82	472.1
	Suelo Cemento	1.294	12.97	550.5	AC22 bin D	0.548	5.50	242.1
	AC16 surf S	0.260	2.61	115.9	ZA	0.769	7.68	378.2
440.000	AC16 surf S	0.115	1.15	49.5	Rellenos	1.785	17.83	490.0
	Suelo Cemento	1.287	12.89	563.4	AC22 bin D	0.545	5.46	247.6
	AC16 surf S	0.259	2.59	118.5	ZA	0.769	7.68	385.9
450.000	AC16 surf S	0.115	1.15	50.6	Rellenos	1.785	17.83	507.8
	Suelo Cemento	1.279	12.82	576.3	AC22 bin D	0.541	5.42	253.0
	AC16 surf S	0.257	2.58	121.0	ZA	0.769	7.68	393.6
460.000	AC16 surf S	0.115	1.15	51.8	Rellenos	1.785	17.83	525.6
	Suelo Cemento	1.272	12.75	589.0	AC22 bin D	0.537	5.39	258.4
	AC16 surf S	0.255	2.56	123.6	ZA	0.769	7.68	401.3
470.000	AC16 surf S	0.115	1.15	52.9	Rellenos	1.785	17.83	543.5
	Suelo Cemento	1.265	12.68	601.7	AC22 bin D	0.534	5.35	263.8
	AC16 surf S	0.253	2.54	126.1	ZA	0.769	7.68	408.9
	AC16 surf S	0.115	1.15	54.1	Rellenos	1.785	17.83	561.3

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 5
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
480.000	Suelo Cemento	1.258	12.61	614.3	AC22 bin D	0.530	5.32	269.1	
	AC16 surf S	0.251	2.52	128.7	ZA	0.770	7.68	416.6	
	AC16 surf S	0.115	1.15	55.2	Rellenos	1.785	17.83	579.1	
490.000	Suelo Cemento	1.250	12.53	626.8	AC22 bin D	0.526	5.28	274.4	
	AC16 surf S	0.249	2.50	131.2	ZA	0.769	7.68	424.3	
	AC16 surf S	0.115	1.15	56.4	Rellenos	1.785	17.83	596.9	
500.000	Suelo Cemento	1.243	12.46	639.3	AC22 bin D	0.522	5.24	279.6	
	AC16 surf S	0.248	2.48	133.6	ZA	0.770	7.68	432.0	
	AC16 surf S	0.115	1.15	57.5	Rellenos	1.785	17.83	614.8	
508.084	Suelo Cemento	1.237	10.02	649.3	AC22 bin D	0.520	4.21	283.8	
	AC16 surf S	0.246	1.99	135.6	ZA	0.770	6.21	438.2	
	AC16 surf S	0.115	0.93	58.5	Rellenos	1.785	14.41	629.2	

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 6
PROYECTO :
EJE: 42: Enlace Cigales Sur: Ramal 2

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****									
MATERIAL	VOLUMEN								
Suelo Cemento	649.3								
AC22 bin D	283.8								
AC16 surf S	135.6								
ZA	438.2								
AC16 surf S	58.5								
Rellenos	629.2								

Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 1
PROYECTO :
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
0.000	Suelo Cemento	2.276	0.00	0.0	AC22 bin D	0.970	0.00	0.0	
	AC16 surf S	0.470	0.00	0.0	Rellenos	0.940	0.00	0.0	
10.000	Suelo Cemento	2.276	22.84	22.8	AC22 bin D	0.970	9.70	9.7	
	AC16 surf S	0.470	4.70	4.7	Rellenos	0.813	8.85	8.8	
20.000	Suelo Cemento	2.275	22.84	45.7	AC22 bin D	0.970	19.4	19.4	
	AC16 surf S	0.470	4.70	9.4	Rellenos	0.813	8.17	17.0	
30.000	Suelo Cemento	2.252	22.71	68.4	AC22 bin D	0.970	29.1	29.1	
	AC16 surf S	0.470	4.70	14.1	Rellenos	0.788	8.04	25.1	
40.000	Suelo Cemento	2.230	22.46	90.9	AC22 bin D	0.970	38.8	38.8	
	AC16 surf S	0.470	4.70	18.8	Rellenos	0.794	7.93	33.0	
50.000	Suelo Cemento	2.218	22.27	113.1	AC22 bin D	0.970	48.5	48.5	
	AC16 surf S	0.471	4.70	23.5	Rellenos	0.790	7.93	40.9	
60.000	Suelo Cemento	2.217	22.19	135.3	AC22 bin D	0.970	58.2	58.2	
	AC16 surf S	0.470	4.70	28.2	Rellenos	0.790	7.91	48.8	
70.000	Suelo Cemento	2.215	22.16	157.5	AC22 bin D	0.970	67.9	67.9	
	AC16 surf S	0.471	4.70	32.9	Rellenos	0.791	7.91	56.7	
80.000	Suelo Cemento	2.216	22.15	179.6	AC22 bin D	0.969	77.6	77.6	
	AC16 surf S	0.471	4.71	37.6	Rellenos	0.791	7.91	64.7	

90.000	Suelo Cemento	2.215	22.16	201.8	AC22 bin D	0.970	9.70	87.3
	AC16 surf S	0.471	4.71	42.3	Rellenos	0.791	7.91	72.6
100.000	Suelo Cemento	2.216	22.17	224.0	AC22 bin D	0.970	9.70	97.0
	AC16 surf S	0.471	4.71	47.0	Rellenos	0.791	7.91	80.5
110.000	Suelo Cemento	2.233	22.26	246.2	AC22 bin D	0.975	9.72	106.7
	AC16 surf S	0.473	4.72	51.8	Rellenos	0.791	7.92	88.4
120.000	Suelo Cemento	2.274	22.57	268.8	AC22 bin D	0.985	9.80	116.5
	AC16 surf S	0.477	4.75	56.5	Rellenos	0.801	7.98	96.4
130.000	Suelo Cemento	2.317	23.01	291.8	AC22 bin D	0.993	9.89	126.4
	AC16 surf S	0.481	4.79	61.3	Rellenos	0.812	8.09	104.5
140.000	Suelo Cemento	2.342	23.35	315.1	AC22 bin D	1.002	9.97	136.3
	AC16 surf S	0.486	4.84	66.1	Rellenos	0.813	8.16	112.6
150.000	Suelo Cemento	2.359	23.57	338.7	AC22 bin D	1.011	10.06	146.4
	AC16 surf S	0.490	4.88	71.0	Rellenos	0.925	8.70	121.3
160.000	Suelo Cemento	2.377	23.75	362.5	AC22 bin D	1.020	10.16	156.6
	AC16 surf S	0.495	4.93	75.9	Rellenos	1.217	10.62	131.9
170.000	Suelo Cemento	2.383	23.86	386.3	AC22 bin D	1.022	10.21	166.8
	AC16 surf S	0.497	4.96	80.9	Rellenos	1.206	11.96	143.9
180.000	Suelo Cemento	2.383	23.89	410.2	AC22 bin D	1.023	10.23	177.0
	AC16 surf S	0.496	4.97	85.9	Rellenos	1.651	14.23	158.1

Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 2
PROYECTO :
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
190.000	Suelo Cemento	2.382	23.89	434.1	AC22 bin D	1.023	10.23	187.2	
	AC16 surf S	0.497	4.96	90.8	Rellenos	1.651	16.56	174.7	
200.000	Suelo Cemento	2.383	23.89	458.0	AC22 bin D	1.022	10.23	197.5	
	AC16 surf S	0.497	4.97	95.8	Rellenos	1.217	14.28	189.0	
210.000	Suelo Cemento	2.452	24.23	482.2	AC22 bin D	1.058	10.40	207.9	
	AC16 surf S	0.514	5.05	100.8	Rellenos	1.651	14.28	203.2	
220.000	Suelo Cemento	3.417	29.22	511.4	AC22 bin D	1.568	13.05	220.9	
	AC16 surf S	0.770	6.38	107.2	Rellenos	0.780	12.14	215.4	
230.000	Suelo Cemento	4.836	40.81	552.3	AC22 bin D	2.290	19.04	240.0	
	AC16 surf S	1.132	9.38	116.6	Rellenos	0.935	8.56	224.0	
240.000	Suelo Cemento	4.838	47.71	600.0	AC22 bin D	2.291	22.57	262.5	
	AC16 surf S	1.131	11.15	127.7	Rellenos	0.936	9.38	233.3	
250.000	Suelo Cemento	4.837	47.68	647.6	AC22 bin D	2.291	22.57	285.1	
	AC16 surf S	1.132	11.15	138.9	Rellenos	1.172	10.63	244.0	
253.246	Suelo Cemento	4.841	15.47	663.1	AC22 bin D	2.291	7.33	292.4	
	AC16 surf S	1.132	3.62	142.5	Rellenos	1.168	3.85	247.8	

Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 3
PROYECTO :
EJE: 37: Enlace Cigales Sur: VA-VP-4401 (1)

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****									
MATERIAL	VOLUMEN								
Suelo Cemento	663.1								
AC22 bin D	292.4								
AC16 surf S	142.5								
Rellenos	247.8								

Istram 18.05.05.29 17/01/19 19:15:32 1880 pagina 1
PROYECTO :
EJE: 38: Enlace Cigales Sur: VA-VP-4401 (2)

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	5.741		0.00	0.0	AC22 bin D	2.809		0.00	0.0
	AC16 surf S	1.392		0.00	0.0	ZA	0.537		0.00	0.0
	AC16 surf S	0.080		0.00	0.0	Rellenos	1.026		0.00	0.0
10.000	Suelo Cemento	2.515		41.28	41.3	AC22 bin D	1.201		20.05	20.1
	AC16 surf S	0.588		9.90	9.9	ZA	0.622		5.80	5.8
	AC16 surf S	0.097		0.89	0.9	Rellenos	0.989		10.08	10.1
20.000	Suelo Cemento	1.652		20.84	62.1	AC22 bin D	0.771		9.86	29.9
	AC16 surf S	0.373		4.80	14.7	ZA	0.835		7.28	13.1
	AC16 surf S	0.129		1.13	2.0	Rellenos	1.001		9.95	20.0
30.000	Suelo Cemento	1.651		16.52	78.6	AC22 bin D	0.770		7.70	37.6
	AC16 surf S	0.372		3.73	18.4	ZA	0.839		8.37	21.4
	AC16 surf S	0.130		1.30	3.3	Rellenos	1.001		10.01	30.0
32.201	Suelo Cemento	1.651		3.63	82.3	AC22 bin D	0.770		1.69	39.3
	AC16 surf S	0.372		0.82	19.3	ZA	0.839		1.85	23.3
	AC16 surf S	0.130		0.29	3.6	Rellenos	1.001		2.20	32.2

	AC16 surf S	0.321	3.21	115.7	Rellenos	1.587	15.86	446.1
380.000	Suelo Cemento	1.616	16.15	599.1	AC22 bin D	0.669	6.69	248.1
	AC16 surf S	0.321	3.21	118.9	Rellenos	1.587	15.86	461.9

pagina 3

PROYECTO :
EJE: 40: Enlace Cigales Sur: Vía de servicio Dch.

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
390.000	Suelo Cemento	1.616	16.15	615.3	AC22 bin D	0.670	6.69	254.8
	AC16 surf S	0.320	3.20	122.1	Rellenos	1.199	13.92	475.9
400.000	Suelo Cemento	1.617	16.15	631.4	AC22 bin D	0.669	6.69	261.5
	AC16 surf S	0.321	3.20	125.3	Rellenos	1.201	12.00	487.9
410.000	Suelo Cemento	1.615	16.15	647.6	AC22 bin D	0.670	6.69	268.3
	AC16 surf S	0.321	3.21	128.5	Rellenos	0.748	9.74	497.6
420.000	Suelo Cemento	1.604	16.10	663.7	AC22 bin D	0.670	6.70	274.9
	AC16 surf S	0.321	3.21	131.8	Rellenos	0.786	7.67	505.3
430.000	Suelo Cemento	1.578	15.92	679.6	AC22 bin D	0.669	6.70	281.6
	AC16 surf S	0.321	3.21	135.0	Rellenos	0.774	7.81	513.1
440.000	Suelo Cemento	1.552	15.66	695.2	AC22 bin D	0.670	6.70	288.3
	AC16 surf S	0.321	3.21	138.2	Rellenos	0.763	7.69	520.8
450.000	Suelo Cemento	1.548	15.51	710.7	AC22 bin D	0.669	6.70	295.0
	AC16 surf S	0.322	3.22	141.4	Rellenos	0.761	7.62	528.4
460.000	Suelo Cemento	1.547	15.48	726.2	AC22 bin D	0.670	6.70	301.7
	AC16 surf S	0.322	3.22	144.6	Rellenos	0.761	7.61	536.0
470.000	Suelo Cemento	1.547	15.48	741.7	AC22 bin D	0.670	6.71	308.4
	AC16 surf S	0.322	3.22	147.8	Rellenos	0.761	7.61	543.6
480.000	Suelo Cemento	1.548	15.48	757.2	AC22 bin D	0.669	6.70	315.1
	AC16 surf S	0.322	3.22	151.1	Rellenos	0.761	7.61	551.2
490.000	Suelo Cemento	1.547	15.48	772.7	AC22 bin D	0.670	6.70	321.8
	AC16 surf S	0.321	3.22	154.3	Rellenos	0.761	7.62	558.8
500.000	Suelo Cemento	1.548	15.49	788.2	AC22 bin D	0.669	6.70	328.5
	AC16 surf S	0.322	3.22	157.5	Rellenos	0.761	7.61	566.5
510.000	Suelo Cemento	1.547	15.48	803.6	AC22 bin D	0.670	6.70	335.2
	AC16 surf S	0.322	3.22	160.7	Rellenos	0.761	7.61	574.1
520.000	Suelo Cemento	1.547	15.48	819.1	AC22 bin D	0.670	6.71	341.9
	AC16 surf S	0.322	3.22	163.9	Rellenos	0.761	7.61	581.7
530.000	Suelo Cemento	1.548	15.48	834.6	AC22 bin D	0.669	6.70	348.6
	AC16 surf S	0.322	3.22	167.2	Rellenos	0.761	7.61	589.3
540.000	Suelo Cemento	1.547	15.48	850.1	AC22 bin D	0.670	6.70	355.3
	AC16 surf S	0.321	3.22	170.4	Rellenos	0.761	7.62	596.9
550.000	Suelo Cemento	1.548	15.49	865.6	AC22 bin D	0.669	6.70	362.0
	AC16 surf S	0.322	3.22	173.6	Rellenos	0.761	7.61	604.5
560.000	Suelo Cemento	1.547	15.48	881.1	AC22 bin D	0.670	6.70	368.7
	AC16 surf S	0.322	3.22	176.8	Rellenos	0.761	7.61	612.1
570.000	Suelo Cemento	1.547	15.48	896.5	AC22 bin D	0.670	6.71	375.4
	AC16 surf S	0.322	3.22	180.0	Rellenos	0.761	7.61	619.3

pagina 4

PROYECTO :
EJE: 40: Enlace Cigales Sur: Vía de servicio Dch.

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL. ACUMUL.
580.000	Suelo Cemento		1.548	15.48	912.0	AC22 bin D	0.669		6.70	382.1		
	AC16 surf S	0.322		3.22	183.2	Rellenos	0.761		7.61	627.4		
590.000	Suelo Cemento	1.547	15.48	927.5	AC22 bin D	0.670		6.70	388.8			
	AC16 surf S	0.321	3.22	186.5	Rellenos	0.761		7.62	635.0			
600.000	Suelo Cemento	1.548	15.49	943.0	AC22 bin D	0.669		6.70	395.5			
	AC16 surf S	0.322	3.22	189.7	Rellenos	0.761		7.61	642.6			
610.000	Suelo Cemento	1.547	15.48	958.5	AC22 bin D	0.670		6.70	402.2			
	AC16 surf S	0.322	3.22	192.9	Rellenos	0.761		7.61	650.2			
620.000	Suelo Cemento	1.547	15.48	973.9	AC22 bin D	0.670		6.71	408.9			
	AC16 surf S	0.322	3.22	196.1	Rellenos	0.761		7.61	657.8			
630.000	Suelo Cemento	1.548	15.48	989.4	AC22 bin D	0.669		6.70	415.6			
	AC16 surf S	0.322	3.22	199.3	Rellenos	0.761		7.61	665.4			
640.000	Suelo Cemento	1.548	15.49	1004.9	AC22 bin D	0.670		6.70	422.3			
	AC16 surf S	0.321	3.22	202.6	Rellenos	0.761		7.61	673.1			
650.000	Suelo Cemento	1.548	15.49	1020.4	AC22 bin D	0.669		6.70	429.0			
	AC16 surf S	0.322	3.22	205.8	Rellenos	0.761		7.61	680.7			
660.000	Suelo Cemento	1.547	15.49	1035.9	AC22 bin D	0.670		6.70	435.7			
	AC16 surf S	0.322	3.22	209.0	Rellenos	0.761		7.62	688.3			
670.000	Suelo Cemento	1.547	15.48	1051.4	AC22 bin D	0.670		6.71	442.4			
	AC16 surf S	0.322	3.22	212.2	Rellenos	0.761		7.62	695.9			
680.000	Suelo Cemento	1.548	15.48	1066.9	AC22 bin D	0.669		6.70	449.1			
	AC16 surf S	0.322	3.22	215.4	Rellenos	0.761		7.61	703.5			
690.000	Suelo Cemento	1.548	15.49	1082.3	AC22 bin D	0.669		6.70	455.8			
	AC16 surf S	0.322	3.22	218.7	Rellenos	0.761		7.61	711.1			
700.000	Suelo Cemento	1.548	15.49	1097.8	AC22 bin D	0.670		6.70	462.5			
	AC16 surf S	0.322	3.22	221.9	Rellenos	0.761		7.61	718.7			
710.000	Suelo Cemento	1.548	15.49	1113.3	AC22 bin D	0.669		6.70	469.2			
	AC16 surf S	0.321	3.22	225.1	Rellenos	0.761		7.61	726.4			
720.000	Suelo Cemento	1.548	15.49	1128.8	AC22 bin D	0.669		6.70	475.9			
	AC16 surf S	0.322	3.22	228.3	Rellenos	0.761		7.61	734.0			
730.000	Suelo Cemento	1.548	15.49	1144.3	AC22 bin D	0.669		6.70	482.6			
	AC16 surf S	0.322	3.22	231.5	Rellenos	0.761		7.61	741.6			
740.000	Suelo Cemento	1.548	15.49	1159.8	AC22 bin D	0.670		6.70	489.3			
	AC16 surf S	0.321	3.22	234.7	Rellenos	0.761		7.61	749.2			
750.000	Suelo Cemento	1.547	15.48	1175.3	AC22 bin D	0.670		6.70	496.2			

	AC16 surf S	0.322	3.22	238.0	Rellenos	0.761	7.61	756.8
760.000	Suelo Cemento	1.548	15.48	1190.8	AC22 bin D	0.669	6.70	502.7
	AC16 surf S	0.321	3.22	241.2	Rellenos	0.761	7.62	764.4

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 5

PROYECTO :
EJE: 40: Enlace Cigales Sur: Vía de servicio Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
770.000	Suelo Cemento	1.547	15.48	1206.2	AC22 bin D	0.670	6.70	509.4
	AC16 surf S	0.322	3.22	244.4	Rellenos	0.761	7.62	772.0
780.000	Suelo Cemento	1.565	15.57	1221.8	AC22 bin D	0.669	6.70	516.1
	AC16 surf S	0.322	3.22	247.6	Rellenos	0.769	7.65	779.7
786.000	Suelo Cemento	1.394	8.88	1230.7	AC22 bin D	0.634	3.91	520.1
	AC16 surf S	0.311	1.90	249.5	Rellenos	0.380	3.45	783.2
790.000	Suelo Cemento	2.223	7.23	1237.9	AC22 bin D	1.047	3.36	523.4
	AC16 surf S	0.517	1.65	251.2	Rellenos	0.380	1.52	784.7
800.000	Suelo Cemento	2.290	22.54	1260.5	AC22 bin D	1.079	10.63	534.0
	AC16 surf S	0.532	5.24	256.4	Rellenos	0.381	3.75	788.4
810.000	Suelo Cemento	2.336	23.09	1283.6	AC22 bin D	1.109	10.93	545.0
	AC16 surf S	0.548	5.40	261.8	Rellenos	0.370	3.63	792.1
820.000	Suelo Cemento	2.397	23.62	1307.2	AC22 bin D	1.139	11.23	556.2
	AC16 surf S	0.564	5.56	267.4	Rellenos	0.367	3.49	795.6
830.000	Suelo Cemento	2.464	24.24	1331.4	AC22 bin D	1.172	11.53	567.7
	AC16 surf S	0.579	5.71	273.1	Rellenos	0.369	3.41	799.0
840.000	Suelo Cemento	2.497	24.73	1356.2	AC22 bin D	1.185	11.76	579.5
	AC16 surf S	0.586	5.82	278.9	Rellenos	0.370	3.37	802.3
850.000	Suelo Cemento	2.758	26.31	1382.5	AC22 bin D	1.220	12.01	591.5
	AC16 surf S	0.595	5.90	284.8	Rellenos	0.806	5.75	808.1
860.000	Suelo Cemento	2.729	27.57	1410.0	AC22 bin D	1.220	12.20	603.7
	AC16 surf S	0.595	5.95	290.7	Rellenos	0.793	8.06	816.1
870.000	Suelo Cemento	2.718	27.34	1437.4	AC22 bin D	1.220	12.19	615.9
	AC16 surf S	0.595	5.95	296.7	Rellenos	0.790	7.97	824.1
877.585	Suelo Cemento	2.716	20.66	1458.0	AC22 bin D	1.219	9.25	625.1
	AC16 surf S	0.596	4.52	301.2	Rellenos	0.791	6.02	830.1

Istram 18.05.05.29 18/01/19 14:24:57 1880 pagina 6

PROYECTO :
EJE: 40: Enlace Cigales Sur: Vía de servicio Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	1458.0
AC22 bin D	625.1
AC16 surf S	301.2
Rellenos	830.1

LISTADOS DE MEDICIÓN DEL ENLACE VALLADOLID NORTE

TIERRAS ENLACE VALLADOLID NORTE

Istram 18.05.05.29 23/01/19 12:05:30 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.635	0.00	0.0	0.0	D TIERRA	26.110	0.00	0.0	0.0
	S SEL2	8.293	0.00	0.0	0.0	SUELO EST3	8.466	0.00	0.0	0.0
10.000	FIRME	10.832	107.33	107.3	107.3	D TIERRA	27.275	266.92	266.9	266.9
	S SEL2	8.413	83.53	83.5	83.5	SUELO EST3	8.587	85.26	85.3	85.3
20.000	FIRME	10.497	106.65	214.0	214.0	D TIERRA	27.469	273.72	540.6	540.6
	S SEL2	8.209	83.11	166.6	166.6	SUELO EST3	8.382	84.85	170.1	170.1
30.000	FIRME	10.664	105.80	319.8	319.8	D TIERRA	28.861	281.65	822.3	822.3
	S SEL2	8.311	82.60	249.2	249.2	SUELO EST3	8.485	84.34	254.4	254.4
40.000	FIRME	10.538	106.01	425.8	425.8	D TIERRA	30.686	297.73	1120.0	1120.0
	S SEL2	8.236	82.73	332.0	332.0	SUELO EST3	8.408	84.46	338.9	338.9
50.000	FIRME	9.631	100.85	526.6	526.6	D TIERRA	30.599	306.43	1426.4	1426.4
	S SEL2	7.588	79.12	411.1	411.1	SUELO EST3	7.761	80.85	419.8	419.8
60.000	FIRME	9.831	97.31	623.9	623.9	D TIERRA	34.638	326.19	1752.6	1752.6
	S SEL2	7.696	76.42	487.5	487.5	SUELO EST3	7.868	78.15	497.9	497.9
70.000	FIRME	9.918	98.74	722.7	722.7	D TIERRA	38.665	366.52	2119.1	2119.1
	S SEL2	7.759	77.27	564.8	564.8	SUELO EST3	7.932	79.00	576.9	576.9
80.000	FIRME	10.556	102.37	825.1	825.1	D TIERRA	45.863	422.64	2541.8	2541.8
	S SEL2	8.238	79.98	644.8	644.8	SUELO EST3	8.412	81.72	658.6	658.6
90.000	FIRME	10.775	106.65	931.7	931.7	D TIERRA	50.368	481.16	3022.9	3022.9
	S SEL2	8.383	83.10	727.9	727.9	SUELO EST3	8.556	84.84	743.5	743.5
100.000	FIRME	10.923	108.49	1040.2	1040.2	D TIERRA	56.724	535.46	3558.4	3558.4
	S SEL2	8.490	84.36	812.2	812.2	SUELO EST3	8.663	86.10	829.6	829.6
110.000	FIRME	10.950	109.37	1149.6	1149.6	D TIERRA	63.215	599.69	4158.1	4158.1
	S SEL2	8.524	85.07	897.3	897.3	SUELO EST3	8.696	86.80	916.4	916.4
120.000	FIRME	10.139	105.45	1255.0	1255.0	D TIERRA	68.395	658.05	4816.1	4816.1
	S SEL2	8.128	83.26	980.6	980.6	SUELO EST3	8.213	84.55	1000.9	1000.9
	MUROS	0.587	2.93	2.9	2.9					
130.000	FIRME	10.138	101.39	1356.4	1356.4	D TIERRA	71.151	697.73	5513.9	5513.9
	S SEL2	8.128	81.28	1061.9	1061.9	SUELO EST3	8.213	82.13	1083.0	1083.0
	MUROS	0.667	6.27	9.2	9.2					
140.000	FIRME	10.138	101.38	1457.8	1457.8	D TIERRA	71.061	711.06	6224.9	6224.9
	S SEL2	8.128	81.28	1143.1	1143.1	SUELO EST3	8.213	82.13	1165.2	1165.2
	TERRAPLEN	1.041	5.21	5.2	5.2	MUROS	0.753	7.10	16.3	16.3
150.000	FIRME	10.137	101.38	1559.2	1559.2	D TIERRA	68.988	700.24	6925.2	6925.2
	S SEL2	8.127	81.27	1224.4	1224.4	SUELO EST3	8.214	82.13	1247.3	1247.3
	TERRAPLEN	3.563	23.02	28.2	28.2	MUROS	0.900	8.27	24.6	24.6

Istram 18.05.05.29 23/01/19 12:05:30 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
160.000	FIRME	10.138	101.38	1660.6	1660.6	D TIERRA	62.590	657.89	7583.1	7583.1
	S SEL2	8.127	81.27	1305.7	1305.7	SUELO EST3	8.213	82.14	1329.4	1329.4
	TERRAPLEN	7.101	53.32	81.5	81.5	MUROS	1.086	9.93	34.5	34.5
170.000	FIRME	10.138	101.38	1761.9	1761.9	D TIERRA	51.263	569.27	8152.3	8152.3
	S SEL2	8.127	81.27	1386.9	1386.9	SUELO EST3	8.213	82.13	1411.6	1411.6
	TERRAPLEN	14.275	106.88	188.4	188.4	MUROS	1.248	11.67	46.2	46.2
180.000	FIRME	10.138	101.38	1863.3	1863.3	D TIERRA	37.970	446.17	8598.5	8598.5
	S SEL2	8.126	81.27	1468.2	1468.2	SUELO EST3	8.213	82.13	1493.7	1493.7
	TERRAPLEN	20.227	172.51	360.9	360.9	MUROS	1.428	13.38	59.5	59.5
190.000	FIRME	10.137	101.37	1964.7	1964.7	D TIERRA	19.673	288.22	8886.7	8886.7
	S SEL2	8.127	81.27	1549.5	1549.5	SUELO EST3	8.214	82.14	1575.8	1575.8
	TERRAPLEN	29.309	247.68	608.6	608.6	MUROS	1.624	15.26	74.8	74.8
200.000	FIRME	9.364	97.51	2062.2	2062.2	D TIERRA	1.458	105.65	8992.4	8992.4
	S SEL2	7.580	78.53	1628.0	1628.0	SUELO EST3	7.665	79.40	1655.2	1655.2
	TERRAPLEN	42.713	360.11	968.7	968.7	MUROS	1.831	17.28	92.1	92.1
210.000	FIRME	9.733	95.48	2157.7	2157.7	D TIERRA	0.149	8.03	9000.4	9000.4
	S SEL2	8.296	79.38	1707.4	1707.4	SUELO EST3	8.154	79.10	1734.3	1734.3
	TERRAPLEN	65.332	540.23	1509.0	1509.0	VEGETAL	5.676	28.38	28.4	28.4
	MUROS	2.062	19.47	111.6	111.6					
220.000	FIRME	9.732	97.32	2255.0	2255.0	D TIERRA	0.150	1.49	9001.9	9001.9
	S SEL2	8.297	82.96	1790.4	1790.4	SUELO EST3	8.154	81.54	1815.9	1815.9
	TERRAPLEN	99.582	824.57	2333.5	2333.5	VEGETAL	6.072	58.74	87.1	87.1
	MUROS	2.316	21.89	133.4	133.4					
230.000	FIRME	9.733	97.33	2352.3	2352.3	D TIERRA	0.150	1.50	9003.4	9003.4
	S SEL2	8.298	82.97	1873.3	1873.3	SUELO EST3	8.154	81.54	1897.4	1897.4
	TERRAPLEN	116.509	1080.45	3414.0	3414.0	VEGETAL	6.275	61.73	148.8	148.8
	MUROS	2.580	24.48	157.9	157.9					
240.000	FIRME	9.717	97.25	2449.6	2449.6	D TIERRA	0.151	1.50	9004.9	9004.9
	S SEL2	8.293	82.96	1956.3	1956.3	SUELO EST3	8.150	81.52	1978.9	1978.9
	TERRAPLEN	131.553	1240.31	4654.3	4654.3	VEGETAL	6.438	63.56	212.4	212.4
	MUROS	2.861	27.21	185.1	185.1					
250.000	FIRME	9.668	96.92	2546.5	2546.5	D TIERRA	0.149	1.50	9006.4	9006.4
	S SEL2	8.283	82.88	2039.2	2039.2	SUELO EST3	8.138	81.44	2060.4	2060.4
	TERRAPLEN	142.999	1372.76	6027.0	6027.0	VEGETAL	6.551	64.95	277.4	277.4
	MUROS	3.106	29.84	215.0	215.0					

Istram 18.05.05.29 23/01/19 12:05:30 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.866	0.00	0.0	0.0	D TIERRA	15.954	0.00	0.0	0.0
	S SEL2	8.207	0.00	0.0	0.0	SUELO EST3	8.151	0.00	0.0	0.0
	TERRAPLEN	3.538	0.00	0.0	0.0	VEGETAL	5.997	0.00	0.0	0.0
10.000	FIRME	8.298	95.82	95.8	95.8	D TIERRA	10.134	130.44	130.4	130.4
	S SEL2	6.573	73.90	73.9	73.9	SUELO EST3	6.474	73.12	73.1	73.1
	TERRAPLEN	0.084	18.11	18.1	18.1	VEGETAL	4.484	52.41	52.4	52.4
13.300	FIRME	8.195	27.21	123.0	123.0	D TIERRA	12.532	37.40	167.8	167.8
	S SEL2	6.305	21.25	95.2	95.2	SUELO EST3	6.385	21.22	94.3	94.3
	TERRAPLEN	0.000	0.14	18.2	18.2	VEGETAL	4.304	14.50	66.9	66.9
59.300	FIRME	9.006	0.00	123.0	123.0	D TIERRA	202.109	0.00	167.8	167.8

Istram 18.05.05.29 23/01/19 12:05:30 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 4

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	3701.9
D TIERRA	9015.8
S SEL2	3034.6
SUELO EST3	3032.3
TERRAPLEN	33237.8
VEGETAL	1219.3
MUROS	467.8

Istram 18.05.05.29 12/07/18 22:06:20 459

PROYECTO :

EJE: 45: Enlace Valladolid Norte: Conexión glorietas

pagina 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.866	0.00	0.0	0.0	D TIERRA	15.954	0.00	0.0	0.0
	S SEL2	8.207	0.00	0.0	0.0	SUELO EST3	8.151	0.00	0.0	0.0
	TERRAPLEN	3.538	0.00	0.0	0.0	VEGETAL	5.997	0.00	0.0	0.0
10.000	FIRME	8.298	95.82	95.8	95.8	D TIERRA	10.134	130.44	130.4	130.4
	S SEL2	6.573	73.90	73.9	73.9	SUELO EST3	6.474	73.12	73.1	73.1
	TERRAPLEN	0.084	18.11	18.1	18.1	VEGETAL	4.484	52.41	52.4	52.4
13.300	FIRME	8.195	27.21	123.0	123.0	D TIERRA	12.532	37.40	167.8	167.8
	S SEL2	6.305	21.25	95.2	95.2	SUELO EST3	6.385	21.22	94.3	94.3
	TERRAPLEN	0.000	0.14	18.2	18.2	VEGETAL	4.304	14.50	66.9	66.9
59.300	FIRME	9.006	0.00	123.0	123.0	D TIERRA	202.109	0.00	167.8	167.8

60.000	S SEL2	6.345	0.00	95.2	SUELO EST3	6.519	0.00	94.3
	TERRAPLEN	0.035	0.00	18.2	VEGETAL	7.005	0.00	66.9
	FIRME	9.006	6.30	129.3	D TIERRA	203.781	142.06	309.9
70.000	S SEL2	6.346	4.44	99.6	SUELO EST3	6.519	4.56	98.9
	TERRAPLEN	0.035	0.02	18.3	VEGETAL	7.037	4.91	71.8
	FIRME	10.945	99.76	229.1	D TIERRA	237.990	2208.85	2518.8
72.672	S SEL2	7.742	70.44	170.0	SUELO EST3	7.915	72.17	171.1
	TERRAPLEN	0.040	0.37	18.6	VEGETAL	8.143	75.90	147.7
	FIRME	12.344	31.12	260.2	D TIERRA	259.610	664.79	3183.6
	S SEL2	8.758	22.04	192.1	SUELO EST3	8.929	22.50	193.6
	TERRAPLEN	0.040	0.11	18.8	VEGETAL	8.794	22.63	170.3

Istram 18.05.05.29 12/07/18 22:06:20 459 pagina 2

PROYECTO :

EJE: 45: Enlace Valladolid Norte: Conexión glorietas

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* * * RESUMEN DE VOLUMENES TOTALES * * *			

MATERIAL	VOLUMEN		
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FIRME	260.2		
D TIERRA	3183.6		
S SEL2	192.1		
SUELO EST3	193.6		
TERRAPLEN	18.8		
VEGETAL	170.3		

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 1

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	FIRME	4.951		0.00	0.0	D TIERRA	232.059		0.00	0.0
	S SEL2	9.704		0.00	0.0	SUELO EST3	9.879		0.00	0.0
	TERRAPLEN	0.026		0.00	0.0	VEGETAL	7.718		0.00	0.0
10.000	FIRME	4.977		45.61	45.6	D TIERRA	264.525		1427.92	1427.9
	S SEL2	9.699		53.77	53.8	SUELO EST3	9.876		54.72	54.7
	TERRAPLEN	0.025		0.33	0.3	VEGETAL	8.264		53.28	53.3
20.000	FIRME	5.000		45.87	91.5	D TIERRA	289.719		1669.53	3097.4
	S SEL2	9.695		53.72	107.5	SUELO EST3	9.873		54.68	109.4
	TERRAPLEN	0.027		0.36	0.7	VEGETAL	8.415		57.96	111.2
30.000	FIRME	5.017		46.09	137.6	D TIERRA	312.502		1872.17	4969.6
	S SEL2	9.693		53.69	161.2	SUELO EST3	9.869		54.65	164.1
	TERRAPLEN	0.017		0.31	1.0	VEGETAL	8.548		59.96	171.2
40.000	FIRME	5.027		46.24	183.8	D TIERRA	321.322		2027.46	6997.1
	S SEL2	9.690		53.66	214.8	SUELO EST3	9.868		54.62	218.7
	TERRAPLEN	0.027		0.32	1.3	VEGETAL	8.909		63.51	234.7
50.000	FIRME	5.029		46.30	230.1	D TIERRA	319.713		2094.28	9091.4
	S SEL2	9.690		53.65	268.5	SUELO EST3	9.867		54.61	273.3
	TERRAPLEN	0.030		0.42	1.7	VEGETAL	9.053		67.22	301.9
60.000	FIRME	5.022		46.27	276.4	D TIERRA	353.394		2250.41	11341.8
	S SEL2	9.691		53.65	322.1	SUELO EST3	9.869		54.61	327.9
	TERRAPLEN	0.030		0.46	2.2	VEGETAL	9.325		70.38	372.3
70.000	FIRME	5.007		46.16	322.5	D TIERRA	353.391		2402.67	13744.4
	S SEL2	9.694		53.68	375.8	SUELO EST3	9.871		54.63	382.5
	TERRAPLEN	0.030		0.47	2.7	VEGETAL	9.398		73.03	445.3
80.000	FIRME	4.987		45.97	368.5	D TIERRA	343.317		2384.05	16128.5
	S SEL2	9.698		53.71	429.5	SUELO EST3	9.876		54.67	437.2
	TERRAPLEN	0.031		0.48	3.2	VEGETAL	9.371		73.39	518.7
90.000	FIRME	4.963		45.73	414.2	D TIERRA	334.877		2332.37	18460.9
	S SEL2	9.702		53.75	483.3	SUELO EST3	9.878		54.70	491.9
	TERRAPLEN	0.031		0.48	3.6	VEGETAL	9.369		73.16	591.9
100.000	FIRME	4.936		45.46	459.7	D TIERRA	314.751		2232.66	20693.5
	S SEL2	9.704		53.79	537.1	SUELO EST3	9.884		54.75	546.6
	TERRAPLEN	0.031		0.48	4.1	VEGETAL	9.221		72.00	663.9
110.000	FIRME	4.912		45.18	504.9	D TIERRA	286.790		2034.21	22727.7
	S SEL2	9.709		53.83	590.9	SUELO EST3	9.887		54.80	601.4
	TERRAPLEN	0.030		0.46	4.6	VEGETAL	8.950		68.80	732.7

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 2

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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120.000	FIRME	4.891		44.94	549.8	D TIERRA	274.944		1874.12	24601.8
	S SEL2	9.714		53.88	644.8	SUELO EST3	9.891		54.84	656.3
	TERRAPLEN	0.030		0.44	5.0	VEGETAL	8.884		66.26	798.9
130.000	FIRME	4.878		44.75	594.6	D TIERRA	266.253		1807.38	26409.2
	S SEL2	9.715		53.91	698.7	SUELO EST3	9.891		54.86	711.1
	TERRAPLEN	0.026		0.41	5.4	VEGETAL	8.837		65.42	864.4
140.000	FIRME	4.872		44.65	639.2	D TIERRA	241.786		1694.98	28104.2
	S SEL2	9.715		53.92	752.6	SUELO EST3	9.894		54.88	766.0
	TERRAPLEN	0.029		0.40	5.8	VEGETAL	8.659		63.77	928.1
150.000	FIRME	4.876		44.64	683.9	D TIERRA	243.753		1589.74	29693.9
	S SEL2	9.716		53.93	806.5	SUELO EST3	9.892		54.89	820.9
	TERRAPLEN	0.030		0.42	6.2	VEGETAL	8.535		61.59	989.7
160.000	FIRME	4.888		44.72	728.6	D TIERRA	243.348		1562.33	31256.3
	S SEL2	9.715		53.92	860.5	SUELO EST3	9.889		54.86	875.8

170.000	TERRAPLEN	0.020	0.36	6.6	VEGETAL	8.509	60.51	1050.2
	FIRME	4.906	44.89	773.5	D TIERRA	248.460	1572.92	32829.2
	S SEL2	9.710	53.89	914.3	SUELO EST3	9.889	54.84	930.6
180.000	TERRAPLEN	0.020	0.29	6.9	VEGETAL	8.599	60.97	1111.2
	FIRME	4.930	45.11	818.6	D TIERRA	216.825	1385.36	34214.6
	S SEL2	9.706	53.85	968.2	SUELO EST3	9.885	54.81	985.4
188.496	TERRAPLEN	0.026	0.31	7.2	VEGETAL	7.601	54.88	1166.1
	FIRME	4.951	38.53	857.1	D TIERRA	232.059	1046.39	35261.0
	S SEL2	9.704	45.72	1013.9	SUELO EST3	9.879	46.53	1032.0
	TERRAPLEN	0.026	0.28	7.5	VEGETAL	7.718	41.54	1207.6

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 3

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *			

MATERIAL	VOLUMEN		
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FIRME	857.1		
D TIERRA	35261.0		
S SEL2	1013.9		
SUELO EST3	1032.0		
TERRAPLEN	7.5		
VEGETAL	1207.6		

Istram 18.05.05.29 12/07/18 19:50:18 459 pagina 1

PROYECTO :

EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.503		0.00	0.0	S SEL2	10.054		0.00	0.0
	SUELO EST3	9.912		0.00	0.0	TERRAPLEN	308.781		0.00	0.0
	VEGETAL	9.080		0.00	0.0					
10.000	FIRME	4.525		40.64	40.6	S SEL2	10.061		56.20	56.2
	SUELO EST3	9.918		54.62	54.6	TERRAPLEN	332.117		2137.76	2137.8
	VEGETAL	9.565		72.47	72.5					
20.000	FIRME	4.544		40.86	81.5	S SEL2	10.065		56.26	112.5
	SUELO EST3	9.921		54.67	109.3	TERRAPLEN	313.922		2086.88	4224.6
	VEGETAL	8.428		67.72	140.2					
30.000	FIRME	4.560		41.05	122.6	S SEL2	10.067		56.29	168.8
	SUELO EST3	9.925		54.71	164.0	TERRAPLEN	250.462		1575.99	5800.6
	VEGETAL	7.313		51.88	192.1					
40.000	FIRME	4.568		41.18	163.7	D TIERRA	0.581		3.11	3.1
	S SEL2	9.887		55.31	224.1	SUELO EST3	9.916		54.68	218.7
	TERRAPLEN	197.590		993.26	6793.9	VEGETAL	6.638		40.64	232.7
50.000	FIRME	4.466		40.67	204.4	D TIERRA	4.520		25.15	28.3
	S SEL2	9.552		52.50	276.6	SUELO EST3	9.637		53.12	271.8
	TERRAPLEN	174.798		667.47	7461.4	VEGETAL	6.456		35.72	268.4
60.000	FIRME	5.022		43.18	247.6	D TIERRA	10.242		72.11	100.4
	S SEL2	9.829		52.18	328.7	SUELO EST3	9.915		53.11	324.9
	TERRAPLEN	182.544		610.45	8071.8	VEGETAL	7.017		37.88	306.3
70.000	FIRME	4.551		43.64	291.2	D TIERRA	3.719		68.94	169.3
	S SEL2	10.066		54.98	383.7	SUELO EST3	9.923		54.66	379.6
	TERRAPLEN	209.729		752.88	8824.7	VEGETAL	6.777		39.65	346.0
80.000	FIRME	4.534		40.95	332.2	D TIERRA	0.000		18.86	188.2
	S SEL2	10.062		56.27	440.0	SUELO EST3	9.919		54.68	434.2
	TERRAPLEN	301.382		1369.98	10194.7	VEGETAL	8.589		49.87	395.8
90.000	FIRME	4.512		40.74	372.9	S SEL2	10.058		56.22	496.2
	SUELO EST3	9.913		54.63	488.9	TERRAPLEN	286.155		1830.81	12025.5
	VEGETAL	8.742		62.58	458.4					
100.000	FIRME	4.491		40.51	413.4	S SEL2	10.052		56.18	552.4
	SUELO EST3	9.910		54.58	543.5	TERRAPLEN	293.051		1812.48	13837.9
	VEGETAL	8.665		63.13	521.5					
110.000	FIRME	4.472		40.29	453.7	S SEL2	10.049		56.12	608.5
	SUELO EST3	9.903		54.53	598.0	TERRAPLEN	270.359		1720.89	15558.8
	VEGETAL	8.467		61.15	582.7					

	VEGETAL	8.989	69.32	992.9				
180.000	FIRME	4.485	40.23	733.7	S SEL2	10.050	56.11	1000.9
	SUELO EST3	9.908	54.52	979.2	TERRAPLEN	309.733	1883.60	28156.5
	VEGETAL	8.899	66.67	1059.6				
188.496	FIRME	4.503	34.35	768.0	S SEL2	10.054	47.71	1048.6
	SUELO EST3	9.912	46.36	1025.6	TERRAPLEN	308.781	1704.32	29860.8
	VEGETAL	9.080	57.22	1116.8				

Istram 18.05.05.29 12/07/18 19:50:18 459 pagina 3
 PROYECTO :
 EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

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* * *      RESUMEN DE VOLUMENES TOTALES      * * *
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MATERIAL	VOLUMEN
FIRME	768.0
D TIERRA	188.2
S SEL2	1048.6
SUELO EST3	1025.6
TERRAPLEN	29860.8
VEGETAL	1116.8

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 1
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * ubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
18.082	FIRME	4.920	0.00	0.0	D TIERRA	209.507	0.00	0.0
	S SEL2	3.637	0.00	0.0	SUELO EST3	3.809	0.00	0.0
	TERRAPLEN	0.060	0.00	0.0	VEGETAL	7.543	0.00	0.0
20.000	FIRME	4.900	9.06	9.1	D TIERRA	209.366	383.49	383.5
	S SEL2	3.602	6.67	6.7	SUELO EST3	3.775	6.99	7.0
	TERRAPLEN	0.060	0.11	0.1	VEGETAL	7.534	13.78	13.8
30.000	FIRME	4.958	47.40	56.5	D TIERRA	214.662	2024.49	2408.0
	S SEL2	3.601	34.61	41.3	SUELO EST3	3.775	36.28	43.3
	TERRAPLEN	0.060	0.57	0.7	VEGETAL	7.618	72.22	86.0
40.000	FIRME	4.987	47.79	104.2	D TIERRA	218.450	2065.75	4473.7
	S SEL2	3.619	34.69	76.0	SUELO EST3	3.792	36.35	79.6
	TERRAPLEN	0.060	0.57	1.2	VEGETAL	7.684	72.84	158.8
50.000	FIRME	4.987	47.91	152.2	D TIERRA	226.079	2118.04	6591.8
	S SEL2	3.618	34.76	110.7	SUELO EST3	3.792	36.43	116.0
	TERRAPLEN	0.060	0.57	1.8	VEGETAL	7.806	73.63	232.5
60.000	FIRME	4.971	47.90	200.1	D TIERRA	233.836	2193.13	8784.9
	S SEL2	3.605	34.74	145.5	SUELO EST3	3.779	36.41	152.5
	TERRAPLEN	0.058	0.55	2.4	VEGETAL	7.894	74.63	307.1
70.000	FIRME	4.942	48.07	248.1	D TIERRA	257.852	2364.63	11149.5
	S SEL2	3.581	34.84	180.3	SUELO EST3	3.754	36.52	189.0
	TERRAPLEN	0.056	0.54	2.9	VEGETAL	8.197	77.16	384.3
80.000	FIRME	4.913	48.20	296.3	D TIERRA	272.827	2577.77	13727.3
	S SEL2	3.555	34.89	215.2	SUELO EST3	3.728	36.58	225.6
	TERRAPLEN	0.058	0.55	3.5	VEGETAL	8.409	80.50	464.8
90.000	FIRME	4.884	48.31	344.6	D TIERRA	293.111	2778.43	16505.7
	S SEL2	3.531	34.94	250.1	SUELO EST3	3.703	36.64	262.2
	TERRAPLEN	0.059	0.57	4.0	VEGETAL	8.721	83.99	548.7
100.000	FIRME	4.855	48.41	393.0	D TIERRA	309.585	2989.56	19495.3
	S SEL2	3.505	34.97	285.1	SUELO EST3	3.678	36.69	298.9
	TERRAPLEN	0.058	0.58	4.6	VEGETAL	8.892	87.30	636.0
110.000	FIRME	4.847	48.50	441.5	D TIERRA	299.380	3043.64	22538.9
	S SEL2	3.499	35.01	320.1	SUELO EST3	3.672	36.74	335.6
	TERRAPLEN	0.061	0.60	5.2	VEGETAL	8.782	88.33	724.4
120.000	FIRME	4.847	48.47	490.0	D TIERRA	280.182	2897.81	25436.7
	S SEL2	3.499	34.99	355.1	SUELO EST3	3.672	36.72	372.3
	TERRAPLEN	0.055	0.58	5.8	VEGETAL	8.248	85.15	809.9

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 2
 PROYECTO :
 EJE: 47: Enlace Valladolid Norte: Ramal 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

* * * ubicación segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
130.000	FIRME	4.847	48.47	538.5	D TIERRA	216.770	2484.76	27921.5
	S SEL2	3.499	34.99	390.1	SUELO EST3	3.672	36.72	409.1
	TERRAPLEN	0.055	0.55	6.3	VEGETAL	7.446	78.47	888.0
140.000	FIRME	4.847	48.47	587.0	D TIERRA	117.946	1673.58	29595.1
	S SEL2	3.499	34.99	425.1	SUELO EST3	3.672	36.72	445.8
	TERRAPLEN	0.060	0.58	6.9	VEGETAL	5.918	66.82	954.8
150.000	FIRME	4.847	48.47	635.4	D TIERRA	51.053	844.99	30440.1
	S SEL2	3.499	34.99	460.1	SUELO EST3	3.672	36.72	482.5
	TERRAPLEN	0.060	0.60	7.5	VEGETAL	4.198	50.58	1005.4
160.000	FIRME	3.959	44.03	679.5	D TIERRA	3.940	274.96	30715.0
	S SEL2	3.357	34.28	494.4	SUELO EST3	3.301	34.86	517.4
	TERRAPLEN	0.012	0.36	7.9	VEGETAL	2.385	32.92	1038.3
170.000	FIRME	4.032	39.96	719.4	D TIERRA	0.000	19.70	30734.7
	S SEL2	3.848	36.03	530.4	SUELO EST3	3.561	34.31	551.7
	TERRAPLEN	73.562	367.87	375.7	VEGETAL	4.943	36.64	1074.9
180.000	FIRME	4.032	40.32	759.7	S SEL2	3.848	38.48	568.9
	SUELO EST3	3.561	35.61	587.3	TERRAPLEN	81.875	777.18	1152.9
	VEGETAL	5.114	50.29	1125.2				
190.000	FIRME	4.032	40.32	800.0	S SEL2	3.848	38.48	607.4
	SUELO EST3	3.561	35.61	622.9	TERRAPLEN	99.736	908.05	2061.0

200.000	VEGETAL	5.516	53.15	1178.4				
	FIRME	4.032	40.29	840.3	S SEL2	3.848	38.45	645.8
	SUELO EST3	3.561	35.58	658.5	TERRAPLEN	121.138	1103.60	3164.6
210.000	VEGETAL	5.985	57.46	1235.8				
	FIRME	4.032	40.28	880.6	S SEL2	3.848	38.44	684.3
	SUELO EST3	3.561	35.57	694.1	TERRAPLEN	129.989	1254.47	4419.1
220.000	VEGETAL	6.127	60.50	1296.3				
	FIRME	4.032	40.28	920.9	S SEL2	3.848	38.44	722.7
	SUELO EST3	3.562	35.58	729.6	TERRAPLEN	133.009	1313.71	5732.8
230.000	VEGETAL	6.188	61.52	1357.9				
	FIRME	4.032	40.28	961.2	S SEL2	3.849	38.44	761.1
	SUELO EST3	3.562	35.58	765.2	TERRAPLEN	138.954	1358.43	7091.2
240.000	VEGETAL	6.330	62.53	1420.4				
	FIRME	4.032	40.28	1001.4	S SEL2	3.848	38.44	799.6
	SUELO EST3	3.561	35.58	800.8	TERRAPLEN	144.752	1417.04	8508.2
	VEGETAL	6.439	63.78	1484.2				

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 3
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * ubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
250.000	FIRME	4.032	40.28	1041.7	S SEL2	3.849	38.44	838.0
	SUELO EST3	3.561	35.57	836.4	TERRAPLEN	155.968	1502.05	10010.3
	VEGETAL	6.591	65.08	1549.3				
260.000	FIRME	4.032	40.28	1082.0	S SEL2	3.848	38.44	876.5
	SUELO EST3	3.561	35.57	871.9	TERRAPLEN	162.346	1589.91	11600.2
	VEGETAL	6.689	66.33	1615.6				
270.000	FIRME	4.032	40.28	1122.3	S SEL2	3.849	38.44	914.9
	SUELO EST3	3.561	35.57	907.5	TERRAPLEN	158.777	1603.90	13204.1
	VEGETAL	6.735	67.05	1682.6				
280.000	FIRME	4.032	40.28	1162.5	S SEL2	3.848	38.44	953.3
	SUELO EST3	3.562	35.57	943.1	TERRAPLEN	184.279	1713.30	14917.4
	VEGETAL	7.168	69.44	1752.1				
290.000	FIRME	4.032	40.28	1202.8	S SEL2	3.848	38.44	991.8
	SUELO EST3	3.562	35.58	978.7	TERRAPLEN	159.023	1714.50	16631.9
	VEGETAL	6.719	69.36	1821.4				
300.000	FIRME	4.032	40.28	1243.1	S SEL2	3.848	38.44	1030.2
	SUELO EST3	3.561	35.58	1014.2	TERRAPLEN	165.367	1620.09	18252.0
	VEGETAL	6.710	67.07	1888.5				
310.000	FIRME	4.032	40.28	1283.4	S SEL2	3.848	38.44	1068.7
	SUELO EST3	3.561	35.57	1049.8	TERRAPLEN	171.036	1679.86	19931.9
	VEGETAL	6.736	67.14	1955.6				
320.000	FIRME	4.032	40.28	1323.7	S SEL2	3.848	38.44	1107.1
	SUELO EST3	3.561	35.57	1085.4	TERRAPLEN	174.651	1725.93	21657.8
	VEGETAL	6.672	66.94	2022.6				
330.000	FIRME	4.032	40.28	1363.9	S SEL2	3.848	38.44	1145.5
	SUELO EST3	3.561	35.57	1120.9	TERRAPLEN	159.461	1668.14	23325.9
	VEGETAL	6.372	65.11	2087.7				
340.000	FIRME	4.032	40.28	1404.2	S SEL2	3.849	38.44	1184.0
	SUELO EST3	3.561	35.57	1156.5	TERRAPLEN	163.267	1611.32	24937.2
	VEGETAL	6.362	63.56	2151.2				
350.000	FIRME	4.032	40.28	1444.5	S SEL2	3.848	38.44	1222.4
	SUELO EST3	3.561	35.57	1192.1	TERRAPLEN	165.596	1641.69	26578.9
	VEGETAL	6.362	63.50	2214.7				
360.000	FIRME	4.032	40.28	1484.8	S SEL2	3.848	38.44	1260.9
	SUELO EST3	3.561	35.57	1227.7	TERRAPLEN	168.369	1666.86	28245.8
	VEGETAL	6.382	63.59	2278.3				

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 4

PROYECTO :

EJE: 47: Enlace Valladolid Norte: Ramal 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * subseccion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
370.000	FIRME	4.032	40.27	1525.0	S SEL2	3.848	38.44	1299.3
	SUELO EST3	3.561	35.57	1263.2	TERRAPLEN	157.376	1625.77	29871.6
	VEGETAL	6.103	62.29	2340.6				
380.000	FIRME	4.032	40.27	1565.3	S SEL2	3.848	38.44	1337.7
	SUELO EST3	3.561	35.57	1298.8	TERRAPLEN	159.161	1579.73	31451.3
	VEGETAL	6.125	61.00	2401.6				
390.000	FIRME	4.032	40.28	1605.6	S SEL2	3.849	38.44	1376.2
	SUELO EST3	3.562	35.57	1334.4	TERRAPLEN	157.986	1582.43	33033.7
	VEGETAL	6.145	61.20	2462.8				
400.000	FIRME	4.023	40.23	1645.8	S SEL2	3.841	38.41	1414.6
	SUELO EST3	3.555	35.54	1369.9	TERRAPLEN	149.397	1533.39	34567.1
	VEGETAL	6.159	61.36	2524.2				
410.000	FIRME	3.985	40.00	1685.8	S SEL2	3.808	38.21	1452.8
	SUELO EST3	3.521	35.34	1405.3	TERRAPLEN	105.798	1272.83	35840.0
	VEGETAL	5.373	57.50	2581.7				
420.000	FIRME	3.957	39.66	1725.5	S SEL2	3.775	37.88	1490.7
	SUELO EST3	3.489	35.02	1440.3	TERRAPLEN	94.331	998.46	36838.4
	VEGETAL	5.005	51.77	2633.4				
430.000	FIRME	3.948	39.48	1765.0	S SEL2	3.746	37.57	1528.2
	SUELO EST3	3.460	34.71	1475.0	TERRAPLEN	111.164	1025.46	37863.9
	VEGETAL	5.246	51.14	2684.6				
440.000	FIRME	3.940	39.40	1804.4	S SEL2	3.718	37.28	1565.5
	SUELO EST3	3.430	34.42	1509.4	TERRAPLEN	99.174	1049.48	38913.4
	VEGETAL	5.010	51.16	2735.7				
450.000	FIRME	3.959	39.45	1843.8	S SEL2	3.712	37.11	1602.6
	SUELO EST3	3.425	34.24	1543.6	TERRAPLEN	91.996	953.82	39867.2

460.000	VEGETAL	4.868	49.27	2785.0				
	FIRME	3.990	39.70	1883.5	S SEL2	3.715	37.09	1639.7
	SUELO EST3	3.429	34.23	1577.9	TERRAPLEN	87.936	897.69	40764.9
470.000	VEGETAL	4.894	48.69	2833.7				
	FIRME	4.021	40.01	1923.5	S SEL2	3.719	37.13	1676.9
	SUELO EST3	3.432	34.27	1612.2	TERRAPLEN	77.811	826.98	41591.8
480.000	VEGETAL	4.445	46.58	2880.3				
	FIRME	4.054	40.33	1963.9	S SEL2	3.723	37.17	1714.0
	SUELO EST3	3.436	34.31	1646.5	TERRAPLEN	74.815	761.55	42353.4
	VEGETAL	4.469	44.47	2924.8				

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 5
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
490.000	FIRME	4.086	40.65	2004.5	S SEL2	3.727	37.21	1751.2
	SUELO EST3	3.440	34.35	1680.8	TERRAPLEN	68.544	715.27	43068.7
	VEGETAL	4.300	43.75	2968.5				
491.925	FIRME	4.087	7.86	2012.4	S SEL2	3.728	7.17	1758.4
	SUELO EST3	3.440	6.62	1687.4	TERRAPLEN	68.318	131.45	43200.1
	VEGETAL	4.294	8.25	2976.8				

Istram 18.05.05.29 12/07/18 19:50:20 459 pagina 6
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	2012.4
D TIERRA	30734.7
S SEL2	1758.4
SUELO EST3	1687.4
TERRAPLEN	43200.1
VEGETAL	2976.8

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 1
PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	2.770	0.00	0.0	D TIERRA	2.005	0.00	0.0
	S SEL2	2.580	0.00	0.0	SUELO EST3	2.537	0.00	0.0
	TERRAPLEN	0.137	0.00	0.0	VEGETAL	1.822	0.00	0.0
10.000	FIRME	2.810	27.89	27.9	D TIERRA	1.369	16.85	16.8
	S SEL2	2.630	26.04	26.0	SUELO EST3	2.605	25.70	25.7
	TERRAPLEN	0.514	3.26	3.3	VEGETAL	1.841	18.30	18.3
20.000	FIRME	2.851	28.29	56.2	D TIERRA	1.143	12.54	29.4
	S SEL2	2.699	26.63	52.7	SUELO EST3	2.658	26.30	52.0
	TERRAPLEN	0.967	7.41	10.7	VEGETAL	1.881	18.60	36.9
30.000	FIRME	2.894	28.71	84.9	D TIERRA	0.727	9.34	38.7
	S SEL2	2.786	27.41	80.1	SUELO EST3	2.719	26.87	78.9
	TERRAPLEN	1.654	13.11	23.8	VEGETAL	1.926	19.02	55.9
40.000	FIRME	2.937	29.14	114.0	D TIERRA	0.171	4.48	43.2
	S SEL2	2.844	28.14	108.2	SUELO EST3	2.750	27.33	106.2
	TERRAPLEN	40.350	210.01	233.8	VEGETAL	2.065	19.95	75.9
50.000	FIRME	2.981	29.57	143.6	D TIERRA	1.534	8.51	51.7
	S SEL2	2.676	27.58	135.8	SUELO EST3	2.762	27.54	133.7
	TERRAPLEN	0.991	206.69	440.5	VEGETAL	1.889	19.76	95.6
60.000	FIRME	3.027	30.02	173.6	D TIERRA	0.623	10.77	62.5
	S SEL2	2.753	27.12	162.9	SUELO EST3	2.788	27.73	161.5
	TERRAPLEN	1.149	10.70	451.2	VEGETAL	1.931	19.09	114.7
70.000	FIRME	3.079	30.51	204.1	D TIERRA	0.745	6.84	69.3
	S SEL2	2.788	27.68	190.6	SUELO EST3	2.808	27.96	189.4
	TERRAPLEN	1.046	10.97	462.1	VEGETAL	1.956	19.42	134.1
80.000	FIRME	3.130	31.02	235.1	D TIERRA	0.717	7.32	76.7
	S SEL2	2.936	28.60	219.2	SUELO EST3	2.879	28.41	217.8
	TERRAPLEN	1.843	14.43	476.6	VEGETAL	2.043	19.98	154.1
90.000	FIRME	3.177	31.51	266.7	D TIERRA	0.712	7.15	83.8
	S SEL2	3.029	29.80	249.0	SUELO EST3	2.938	29.06	246.9
	TERRAPLEN	1.794	18.16	494.7	VEGETAL	2.099	20.69	174.8
100.000	FIRME	3.208	31.90	298.6	D TIERRA	0.735	7.24	91.0
	S SEL2	3.059	30.41	279.4	SUELO EST3	2.960	29.47	276.4
	TERRAPLEN	2.029	19.09	513.8	VEGETAL	2.125	21.10	195.9
110.000	FIRME	3.240	32.22	330.8	D TIERRA	0.960	8.48	99.5
	S SEL2	3.039	30.46	309.9	SUELO EST3	2.960	29.58	306.0
	TERRAPLEN	2.592	23.07	536.9	VEGETAL	2.156	21.38	217.3

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 2
PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	3.273	32.57	363.3	D TIERRA	1.061	10.11	109.6

130.000	S SEL2	3.067	30.54	340.4	SUELO EST3	2.985	29.73	335.7
	TERRAPLEN	1.970	22.82	559.7	VEGETAL	2.159	21.58	238.9
	FIRME	3.305	32.91	396.3	D TIERRA	0.877	9.69	119.3
140.000	S SEL2	3.136	31.03	371.5	SUELO EST3	3.026	30.08	365.8
	TERRAPLEN	2.061	20.18	579.9	VEGETAL	2.245	22.03	260.9
	FIRME	3.338	33.24	429.5	D TIERRA	1.032	9.54	128.9
150.000	S SEL2	3.159	31.50	403.0	SUELO EST3	3.049	30.39	396.2
	TERRAPLEN	1.788	19.27	599.2	VEGETAL	2.282	22.65	283.6
	FIRME	3.371	33.56	463.1	D TIERRA	1.323	11.77	140.6
160.000	S SEL2	3.167	31.65	434.6	SUELO EST3	3.065	30.58	426.7
	TERRAPLEN	1.154	14.73	613.9	VEGETAL	2.273	22.79	306.3
	FIRME	3.404	33.90	497.0	D TIERRA	1.597	14.60	155.2
170.000	S SEL2	3.094	31.33	465.9	SUELO EST3	3.032	30.50	457.2
	TERRAPLEN	1.280	12.19	626.1	VEGETAL	2.269	22.73	329.1
	FIRME	3.438	34.23	531.2	D TIERRA	1.801	16.98	172.2
180.000	S SEL2	3.156	31.27	497.2	SUELO EST3	3.080	30.58	487.8
	TERRAPLEN	1.321	13.03	639.1	VEGETAL	2.333	23.03	352.1
	FIRME	3.472	34.57	565.8	D TIERRA	2.480	21.40	193.6
190.000	S SEL2	3.125	31.43	528.6	SUELO EST3	3.064	30.74	518.6
	TERRAPLEN	0.654	9.90	649.0	VEGETAL	2.346	23.41	375.5
	FIRME	3.504	34.90	600.7	D TIERRA	3.509	29.95	223.6
200.000	S SEL2	3.082	31.06	559.7	SUELO EST3	3.026	30.47	549.0
	TERRAPLEN	0.354	5.05	654.1	VEGETAL	2.308	23.29	398.8
	FIRME	3.535	35.22	635.9	D TIERRA	4.353	39.32	262.9
210.000	S SEL2	3.087	30.87	590.6	SUELO EST3	3.030	30.30	579.3
	TERRAPLEN	0.012	1.84	655.9	VEGETAL	2.217	22.65	421.4
	FIRME	3.565	35.53	671.4	D TIERRA	4.985	46.71	309.6
220.000	S SEL2	3.050	30.71	621.3	SUELO EST3	3.036	30.35	609.7
	TERRAPLEN	0.000	0.06	656.0	VEGETAL	2.140	21.80	443.2
	FIRME	3.595	35.82	707.2	D TIERRA	4.986	49.88	359.5
230.000	S SEL2	2.876	29.65	650.9	SUELO EST3	3.017	30.29	640.0
	VEGETAL	2.062	21.03	464.3				
	FIRME	3.646	36.23	743.5	D TIERRA	5.229	51.11	410.6
	S SEL2	2.926	29.03	680.0	SUELO EST3	3.082	30.52	670.5
	VEGETAL	2.104	20.84	485.1				

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 3
PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	FIRME	3.680	36.66	780.1	D TIERRA	4.233	47.34	457.9
	S SEL2	3.345	31.37	711.3	SUELO EST3	3.248	31.67	702.2
	TERRAPLEN	0.003	0.02	656.0	VEGETAL	2.357	22.32	507.4
250.000	FIRME	3.716	37.01	817.1	D TIERRA	2.058	31.48	489.4
	S SEL2	3.467	34.08	745.4	SUELO EST3	3.289	32.71	734.9
	TERRAPLEN	1.928	9.65	665.6	VEGETAL	3.141	27.49	534.9
260.000	FIRME	3.752	37.37	854.5	D TIERRA	0.126	10.93	500.3
	S SEL2	3.584	35.28	780.7	SUELO EST3	3.310	33.01	767.9
	TERRAPLEN	16.194	90.46	756.1	VEGETAL	4.139	36.39	571.3
270.000	FIRME	3.788	37.73	892.2	D TIERRA	0.000	0.63	501.0
	S SEL2	3.618	36.03	816.7	SUELO EST3	3.331	33.22	801.1
	TERRAPLEN	27.005	215.72	971.8	VEGETAL	3.936	40.36	611.7
280.000	FIRME	3.825	38.09	930.3	S SEL2	3.639	36.31	853.0
	SUELO EST3	3.352	33.44	834.5	TERRAPLEN	33.910	304.35	1276.2
	VEGETAL	3.780	38.57	650.3				
290.000	FIRME	3.862	38.46	968.8	S SEL2	3.659	36.51	889.5
	SUELO EST3	3.373	33.65	868.2	TERRAPLEN	38.130	360.10	1636.3
	VEGETAL	3.827	38.04	688.3				
300.000	FIRME	3.899	38.84	1007.6	S SEL2	3.680	36.72	926.3
	SUELO EST3	3.394	33.85	902.0	TERRAPLEN	45.324	417.27	2053.5
	VEGETAL	4.157	39.93	728.2				
310.000	FIRME	3.936	39.21	1046.8	S SEL2	3.701	36.93	963.2
	SUELO EST3	3.414	34.06	936.1	TERRAPLEN	37.407	413.81	2467.3
	VEGETAL	3.620	38.91	767.1				
320.000	FIRME	3.974	39.58	1086.4	D TIERRA	0.312	1.56	502.5
	S SEL2	3.423	35.65	998.8	SUELO EST3	3.362	33.90	970.0
	TERRAPLEN	28.927	332.05	2799.4	VEGETAL	3.122	33.75	800.9
330.000	FIRME	3.923	39.52	1125.9	D TIERRA	0.454	3.83	506.4
	S SEL2	3.236	33.33	1032.2	SUELO EST3	3.179	32.73	1002.7
	TERRAPLEN	34.297	316.67	3116.1	VEGETAL	3.198	31.65	832.5
340.000	FIRME	4.042	39.86	1165.8	D TIERRA	0.148	3.01	509.4
	S SEL2	3.370	33.06	1065.2	SUELO EST3	3.314	32.49	1035.2
	TERRAPLEN	45.793	401.19	3517.2	VEGETAL	3.468	33.38	865.9
350.000	FIRME	4.088	40.68	1206.5	D TIERRA	0.018	0.83	510.2
	S SEL2	3.696	35.37	1100.6	SUELO EST3	3.498	34.09	1069.3
	TERRAPLEN	56.842	514.13	4031.4	VEGETAL	3.787	36.33	902.2

	SUELO EST3	3.533	34.92	1174.4	TERRAPLEN	79.612	763.75	6134.8
	VEGETAL	4.424	42.56	1025.9				
390.000	FIRME	4.019	39.22	1366.7	S SEL2	3.840	37.50	1251.4
	SUELO EST3	3.553	34.69	1209.1	TERRAPLEN	84.459	773.08	6907.9
	VEGETAL	4.597	42.65	1068.5				
400.000	FIRME	4.008	38.85	1405.6	S SEL2	3.838	37.16	1288.5
	SUELO EST3	3.551	34.38	1243.5	TERRAPLEN	100.224	846.78	7754.6
	VEGETAL	4.850	43.55	1112.1				
410.000	FIRME	4.134	38.91	1444.5	S SEL2	3.963	37.27	1325.8
	SUELO EST3	3.676	34.53	1278.0	TERRAPLEN	116.608	985.51	8740.2
	VEGETAL	4.854	44.41	1156.5				
420.000	FIRME	4.343	39.87	1484.3	S SEL2	4.158	38.17	1364.0
	SUELO EST3	3.870	35.46	1313.5	TERRAPLEN	49.953	777.63	9517.8
	VEGETAL	4.338	43.57	1200.1				
430.000	FIRME	4.544	41.44	1525.8	S SEL2	4.344	39.61	1403.6
	SUELO EST3	4.056	36.92	1350.4	TERRAPLEN	113.522	743.39	10261.2
	VEGETAL	6.012	47.33	1247.4				
434.729	FIRME	4.634	20.15	1545.9	S SEL2	4.425	19.23	1422.8
	SUELO EST3	4.138	17.97	1368.4	TERRAPLEN	142.745	534.28	10795.5
	VEGETAL	6.543	26.05	1273.5				

Istram 18.05.05.29 12/07/18 19:50:21 459

PROYECTO :

EJE: 48: Enlace Valladolid Norte: Ramal 2

pagina 5

* * *	RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	1545.9
D TIERRA	510.3
S SEL2	1422.8
SUELO EST3	1368.4
TERRAPLEN	10795.5
VEGETAL	1273.5

DESBROCE ENLACE VALLADOLID NORTE

Istram 18.05.05.29 23/01/19 12:03:12 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 363.785

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	28.373	28.470	0.901	0.922	0.000	0.000	0.000	0.000
10.000	29.327	29.452	0.338	0.350	288.380	6.195	289.489	6.358
20.000	28.429	28.596	0.409	0.430	577.034	9.934	579.607	10.260
30.000	29.181	29.384	0.000	0.000	864.953	11.982	869.379	12.412
40.000	28.847	29.035	0.000	0.000	1154.970	11.982	1161.348	12.412
50.000	26.180	26.450	0.000	0.000	1430.050	11.982	1438.717	12.412
60.000	26.540	26.947	0.000	0.000	1693.691	11.982	1705.737	12.412
70.000	26.749	27.401	0.000	0.000	1960.198	11.982	1977.528	12.412
80.000	28.747	29.652	0.000	0.000	2237.675	11.982	2262.783	12.412
90.000	29.284	30.371	0.000	0.000	2527.762	11.982	2562.817	12.412
100.000	21.968	23.094	8.044	8.056	2783.826	52.315	2829.924	52.802
110.000	20.604	21.869	10.147	10.211	2996.295	143.547	3054.328	144.413
120.000	20.276	21.623	9.678	9.791	3200.199	242.983	3271.272	244.740
130.000	20.913	22.146	9.820	10.006	3405.584	340.768	3489.539	344.028
140.000	21.034	22.128	10.503	10.684	3614.701	442.683	3710.272	447.782
150.000	20.485	21.537	11.696	11.857	3821.619	553.986	3927.902	560.796
160.000	19.079	20.181	13.517	13.701	4018.718	680.363	4135.746	688.897
170.000	17.310	18.356	15.644	16.211	4199.919	826.470	4327.652	838.757
180.000	15.733	16.685	17.440	17.918	4364.387	992.170	4502.070	1009.679
190.000	12.339	13.285	20.575	20.994	4504.060	1182.472	4651.182	1204.459
200.000	1.625	1.680	24.589	25.018	4573.546	1408.397	4725.646	1434.610
210.000	0.501	0.501	27.876	28.151	4584.174	1670.655	4736.549	1700.371
220.000	0.501	0.501	29.857	30.427	4589.211	1959.098	4741.586	1993.012
230.000	0.501	0.501	30.871	31.351	4594.247	2262.416	4746.622	2301.543
240.000	0.501	0.501	31.688	32.036	4599.289	2574.713	4751.663	2617.948
250.000	0.501	0.501	32.256	32.780	4604.402	2892.605	4756.777	2940.110
260.000	0.501	0.501	32.842	33.241	4609.602	3214.386	4761.978	3266.321
270.000	0.501	0.501	33.186	33.606	4614.891	3538.705	4767.268	3594.495
280.000	0.501	0.501	33.311	33.761	4620.267	3863.258	4772.649	3923.083
290.000	0.501	0.501	33.658	34.118	4625.731	4187.939	4778.119	4251.926
300.000	0.501	0.501	34.372	34.834	4631.228	4516.305	4783.623	4584.546
310.000	0.501	0.501	35.047	35.518	4636.724	4850.449	4789.125	4923.104
320.000	0.000	0.000	49.301	49.730	4639.472	5267.809	4791.876	5344.858
330.000	0.000	0.000	49.888	50.172	4639.472	5768.371	4791.876	5849.025
340.000	0.000	0.000	50.226	50.495	4639.472	6274.198	4791.876	6357.730
350.000	0.000	0.000	51.383	51.686	4639.472	6789.474	4791.876	6876.065
360.000	0.000	0.000	54.386	54.502	4639.472	7325.600	4791.876	7414.452

Istram 18.05.05.29 23/01/19 12:03:12 459

PROYECTO :

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 363.785

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
363.785	0.000	0.000	57.395	57.486	4639.472	7539.059	4791.876	7628.320

Istram 18.05.05.29 12/07/18 22:06:59 459

PROYECTO :

EJE: 45: Enlace Valladolid Norte: Conexión glorietas

* * * D E S B R O C E S * * *

PK inicial : 0.000
PK final : 72.672

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	18.461	18.558	11.522	11.640	0.000	0.000	0.000	0.000
10.000	16.666	16.698	5.754	5.794	175.635	86.383	176.281	87.169
13.300	18.866	18.901	2.653	2.658	234.263	100.255	235.019	101.114
59.300	35.025	35.455	0.000	0.000	234.263	100.255	235.019	101.114
60.000	35.187	35.657	0.000	0.000	258.838	100.255	259.908	101.114
70.000	40.710	40.725	0.000	0.000	638.321	100.255	641.818	101.114
72.672	43.971	43.990	0.000	0.000	751.455	100.255	754.996	101.114

Istram 18.05.05.29 12/07/18 19:51:07 459

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 188.496

pagina 1

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	38.595	39.288	0.000	0.000	0.000	0.000	0.000	0.000
10.000	41.319	41.509	0.000	0.000	266.401	0.000	270.278	0.000
20.000	42.074	42.358	0.000	0.000	556.189	0.000	562.284	0.000
30.000	42.743	42.934	0.000	0.000	855.949	0.000	864.717	0.000
40.000	44.538	44.556	0.000	0.000	1173.493	0.000	1183.604	0.000
50.000	45.272	45.272	0.000	0.000	1509.588	0.000	1519.794	0.000
60.000	46.623	46.625	0.000	0.000	1861.527	0.000	1871.737	0.000
70.000	46.989	46.992	0.000	0.000	2226.665	0.000	2236.886	0.000
80.000	46.852	46.859	0.000	0.000	2593.586	0.000	2603.833	0.000
90.000	46.839	46.850	0.000	0.000	2959.337	0.000	2969.635	0.000
100.000	46.104	46.111	0.000	0.000	3319.292	0.000	3329.640	0.000
110.000	44.748	44.751	0.000	0.000	3663.287	0.000	3673.656	0.000
120.000	44.416	44.418	0.000	0.000	3994.548	0.000	4004.918	0.000
130.000	44.181	44.185	0.000	0.000	4321.610	0.000	4331.991	0.000
140.000	43.292	43.294	0.000	0.000	4640.456	0.000	4650.863	0.000
150.000	42.675	42.688	0.000	0.000	4948.401	0.000	4958.891	0.000
160.000	42.538	42.583	0.000	0.000	5250.956	0.000	5261.768	0.000
170.000	42.995	43.029	0.000	0.000	5555.790	0.000	5566.996	0.000
180.000	38.002	38.523	0.000	0.000	5830.184	0.000	5843.845	0.000
188.496	38.595	39.288	0.000	0.000	6037.901	0.000	6056.144	0.000

Istram 18.05.05.29 12/07/18 19:51:07 459

PROYECTO :

EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 188.496

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	0.308	0.308	45.090	45.097	0.000	0.000	0.000	0.000
10.000	0.361	0.363	47.464	47.539	5.189	357.160	5.207	357.672
20.000	0.251	0.253	41.888	42.531	9.809	691.110	9.861	694.960
30.000	0.182	0.198	36.382	37.988	12.670	947.627	12.836	960.725
40.000	0.284	0.284	32.902	35.858	15.337	1148.142	15.603	1178.104
50.000	5.995	6.056	26.285	30.385	46.157	1295.933	46.698	1349.561
60.000	10.903	11.075	24.183	28.327	129.262	1402.242	130.819	1483.587
70.000	4.496	5.186	29.387	33.243	206.285	1523.468	212.008	1635.486
80.000	0.262	0.263	42.680	42.765	231.327	1747.761	240.484	1876.409
90.000	0.295	0.295	43.414	43.417	235.337	2056.627	244.503	2185.757
100.000	0.278	0.278	43.046	43.072	239.481	2368.102	248.650	2497.378
110.000	0.356	0.358	41.978	42.061	243.981	2669.360	253.166	2798.998
120.000	0.323	0.324	42.803	42.927	248.796	2968.879	257.998	3099.006
130.000	0.363	0.366	44.671	44.884	253.828	3287.839	263.051	3418.875
140.000	0.371	0.374	46.174	46.497	259.413	3631.801	268.677	3764.586
150.000	0.560	0.586	46.412	46.804	266.637	3988.980	276.128	4124.344
160.000	0.336	0.337	45.914	46.189	273.576	4344.161	283.276	4482.043
170.000	0.372	0.375	44.573	44.715	278.933	4685.402	288.663	4824.909
180.000	0.297	0.297	44.201	44.237	283.904	5013.779	293.657	5153.961
188.496	0.308	0.308	45.090	45.097	287.745	5296.053	297.499	5436.335

Istram 18.05.05.29 12/07/18 19:51:08 459

PROYECTO :

EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 491.925

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	--PLANTA--	--REAL--	--PLANTA--	--REAL--				
18.082	37.709	37.714	0.000	0.000	0.000	0.000	0.000	0.000
20.000	37.664	37.669	0.000	0.000	68.893	0.000	68.902	0.000
30.000	38.091	38.097	0.000	0.000	429.946	0.000	430.005	0.000
40.000	38.417	38.425	0.000	0.000	794.100	0.000	794.227	0.000
50.000	39.021	39.031	0.000	0.000	1162.178	0.000	1162.393	0.000
60.000	39.472	39.490	0.000	0.000	1535.298	0.000	1535.655	0.000
70.000	40.977	41.001	0.000	0.000	1921.091	0.000	1921.667	0.000
80.000	42.048	42.076	0.000	0.000	2323.552	0.000	2324.394	0.000
90.000	43.604	43.628	0.000	0.000	2743.482	0.000	2744.581	0.000
100.000	44.454	44.498	0.000	0.000	3179.961	0.000	3181.399	0.000
110.000	43.911	44.028	0.000	0.000	3621.596	0.000	3623.838	0.000
120.000	41.238	41.536	0.000	0.000	4047.340	0.000	4051.657	0.000
130.000	37.229	37.673	0.000	0.000	4439.675	0.000	4447.703	0.000
140.000	29.589	29.846	0.000	0.000	4773.766	0.000	4785.296	0.000
150.000	20.990	21.138	0.000	0.000	5026.663	0.000	5040.216	0.000
160.000	5.211	5.223	6.713	6.732	5157.672	33.564	5172.023	33.658
170.000	0.591	0.592	24.126	24.145	5186.686	187.756	5201.096	188.041
180.000	0.595	0.595	24.976	24.978	5192.617	433.263	5207.029	433.657
190.000	0.594	0.594	26.981	26.989	5198.559	693.047	5212.973	693.493
200.000	0.601	0.601	29.326	29.333	5204.528	974.389	5218.942	974.907
210.000	0.593	0.593	30.043	30.045	5210.492	1270.960	5224.908	1271.522
220.000	0.595	0.595	30.351	30.352	5216.426	1572.631	5230.842	1573.212

230.000	0.600	0.600	31.048	31.048	5222.393	1879.310	5236.809	1879.897
240.000	0.600	0.600	31.593	31.593	5228.387	2192.183	5242.803	2192.770
250.000	0.573	0.574	32.382	32.387	5234.246	2511.720	5248.665	2512.334
260.000	0.599	0.599	32.844	32.880	5240.102	2837.496	5254.523	2838.316
270.000	0.664	0.666	33.016	33.023	5246.413	3166.437	5260.847	3167.472
280.000	0.649	0.650	35.189	35.224	5252.972	3507.086	5267.428	3508.332
290.000	0.627	0.627	32.972	32.989	5259.345	3847.515	5273.812	3849.019
300.000	0.516	0.523	33.024	33.104	5265.050	4177.123	5279.553	4179.107
310.000	0.500	0.511	33.180	33.573	5270.118	4507.709	5284.711	4512.059
320.000	0.494	0.507	32.862	33.341	5275.076	4837.409	5289.785	4846.125
330.000	0.491	0.505	31.368	31.709	5279.988	5158.036	5294.827	5170.860
340.000	0.479	0.497	31.329	31.749	5284.825	5470.993	5299.819	5487.634
350.000	0.477	0.495	31.332	31.964	5289.589	5783.712	5304.761	5805.626
360.000	0.484	0.500	31.426	32.205	5294.379	6096.854	5309.719	6125.833
370.000	0.472	0.493	30.041	30.833	5299.144	6403.531	5314.667	6440.375

Istram 18.05.05.29 12/07/18 19:51:08 459
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

pagina 2

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****								
PK inicial		:	0.000					
PK final		:	491.925					
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
380.000	0.475	0.494	30.148	30.934	5303.859	6703.814	5319.585	6748.559
390.000	0.482	0.498	30.242	31.310	5308.621	7005.038	5324.526	7059.059
400.000	0.485	0.500	30.307	31.168	5313.433	7306.986	5329.497	7370.657
410.000	0.509	0.518	26.353	27.061	5318.384	7589.534	5334.567	7661.051
420.000	0.507	0.525	24.516	25.155	5323.449	7843.291	5339.764	7921.547
430.000	0.503	0.519	25.728	26.531	5328.483	8093.955	5344.966	8179.434
440.000	0.487	0.511	24.560	25.353	5333.417	8344.810	5350.094	8438.273
450.000	0.474	0.496	23.865	24.586	5338.203	8586.376	5355.111	8687.410
460.000	0.548	0.577	23.918	24.752	5343.290	8824.719	5360.454	8933.532
470.000	0.466	0.492	21.755	22.602	5348.342	9052.553	5365.778	9169.775
480.000	0.496	0.519	21.849	22.753	5353.135	9270.085	5370.816	9396.062
490.000	0.456	0.486	21.045	21.831	5357.873	9484.066	5375.826	9618.497
491.925	0.481	0.497	20.989	21.831	5358.771	9524.433	5376.770	9660.432

Istram 18.05.05.29 12/07/18 19:51:08 459
PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

pagina 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:	0.000									
PK final		:	449.741									
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL						
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	--PLANTA--	--REAL--	--PLANTA--	--REAL--								
0.000	2.969	2.980	6.140	6.193	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	2.052	2.067	7.152	7.248	25.067	66.461	25.200	67.207	25.200	67.207	25.200	67.207
20.000	1.665	1.673	7.737	7.859	43.624	140.894	43.873	142.732	43.873	142.732	43.873	142.732
30.000	0.772	0.781	8.858	9.009	55.791	223.844	56.124	227.048	56.124	227.048	56.124	227.048
40.000	0.480	0.490	6.250	10.725	62.038	299.335	62.468	325.646	62.468	325.646	62.468	325.646
50.000	2.537	2.565	6.909	7.124	77.095	365.091	77.716	414.824	77.716	414.824	77.716	414.824
60.000	0.705	0.716	8.948	9.032	93.282	444.335	94.099	495.558	94.099	495.558	94.099	495.558
70.000	0.890	0.902	8.888	8.964	101.254	533.444	102.188	585.468	102.188	585.468	102.188	585.468
80.000	1.092	1.097	9.124	9.212	111.162	623.424	112.181	676.268	112.181	676.268	112.181	676.268
90.000	0.564	0.565	9.929	10.008	119.438	718.605	120.489	772.283	120.489	772.283	120.489	772.283
100.000	0.542	0.544	10.084	10.163	124.959	818.583	126.029	873.050	126.029	873.050	126.029	873.050
110.000	1.639	1.644	9.139	9.231	135.865	914.602	136.971	969.924	136.971	969.924	136.971	969.924
120.000	1.300	1.303	9.493	9.579	150.558	1007.796	151.705	1064.008	151.705	1064.008	151.705	1064.008
130.000	0.548	0.549	10.675	10.721	159.797	1108.713	160.969	1165.580	160.969	1165.580	160.969	1165.580
140.000	0.566	0.567	10.845	10.881	165.372	1216.388	166.553	1273.666	166.553	1273.666	166.553	1273.666
150.000	0.551	0.553	10.812	10.855	170.963	1324.748	172.154	1382.424	172.154	1382.424	172.154	1382.424
160.000	1.888	1.891	9.458	9.504	183.160	1426.180	184.374	1484.303	184.374	1484.303	184.374	1484.303
170.000	1.627	1.630	10.036	10.098	200.732	1523.741	201.977	1582.409	201.977	1582.409	201.977	1582.409
180.000	2.827	2.833	8.904	8.974	223.001	1618.539	224.292	1677.869	224.292	1677.869	224.292	1677.869
190.000	5.995	6.003	5.545	5.619	267.114	1690.881	268.476	1750.934	268.476	1750.934	268.476	1750.934
200.000	7.964	7.975	3.121	3.170	336.928	1734.286	338.385	1794.954	338.385	1794.954	338.385	1794.954
210.000	9.707	9.724	0.995	1.012	425.327	1754.903	426.925	1815.904	426.925	1815.904	426.925	1815.904
220.000	9.597	9.606	0.714	0.714	521.906	1763.463	523.638	1824.551	523.638	1824.551	523.638	1824.551
230.000	10.519	10.542	0.000	0.000	622.550	1767.038	624.447	1828.127	624.447	1828.127	624.447	1828.127
240.000	5.313	5.365	6.471	6.518	701.751	1799.418	704.024	1860.744	704.024	1860.744	704.024	1860.744
250.000	1.744	1.933	13.960	14.375	737.030	1901.615	740.507	1965.251	740.507	1965.251	740.507	1965.251
260.000	0.580	0.580	20.114	21.638	748.636	2071.949	753.060	2145.266	753.060	2145.266	753.060	2145.266
270.000	0.572	0.572	19.106	20.284	754.393	2267.974	758.821	2354.782	758.821	2354.782	758.821	2354.782
280.000	0.587	0.587	18.311	19.262	760.188	2455.041	764.618	2552.488	764.618	2552.488	764.618	2552.488
290.000	0.640	0.642	18.496	19.201	766.325	2639.100	770.764	2744.826	770.764	2744.826	770.764	2744.826
300.000	0.658	0.662	20.127	20.648	772.816	2832.250	777.280	2944.106	777.280	2944.106	777.280	2944.106
310.000	0.540	0.542	17.561	17.832	778.811	3020.775	783.302	3136.594	783.302	3136.594	783.302	3136.594
320.000	0.725	0.742	14.887	16.009	785.144	3183.185	789.731	3305.975	789.731	3305.975	789.731	3305.975
330.000	1.066	1.213	14.922	16.297	794.108	3332.458	799.514	3467.741	799.514	3467.741	799.514	3467.741
340.000	0.689	0.776	16.648	18.221	802.893	3490.576	809.465	3640.606	809.465	3640.606	809.465	3640.606
350.000	0.439	0.467	18.495	19.953	808.544	3666.593	815.690	3831.785	815.690	3831.785	815.690	3831.785
360.000	0.448	0.473	19.857	21.413	812.991	3858.690	820.405	4038.962	820.405	4038.962	820.405	4038.962

Istram 18.05.05.29 12/07/18 19:51:08 459
PROYECTO :

pagina 2

EJE: 48: Enlace Valladolid Norte: Ramal 2												
=====												
* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												
=====												
PK inicial	:	0.000										
PK final	:	449.741										
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----	-----	-----	-----
370.000	0.444	0.470	21.093	22.676	817.440	4063.175	825.113	4259.133				
380.000	0.442	0.467	21.678	23.552	821.708	4271.695	829.639	4484.762				
390.000	0.450	0.473	22.536	24.276	825.825	4480.835	834.002	4711.490				
400.000	0.354	0.390	23.896	25.358	829.451	4694.947	837.915	4940.900				
410.000	0.368	0.399	23.899	25.513	832.764	4913.696	841.534	5173.841				
420.000	0.443	0.455	21.249	21.674	836.615	5127.680	845.592	5397.143				
430.000	0.584	0.589	29.478	29.839	841.136	5359.807	850.204	5633.037				
434.729	0.571	0.572	32.145	32.258	843.433	5487.780	852.514	5762.022				

FIRMES ENLACE VALLADOLID NORTE

Istram 18.05.05.29 23/01/19 11:50:05 459
PROYECTO :
EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	Suelo Cemento	4.242	0.00	0.0	0.0	AC22 bin D	2.298	0.00	0.0
	AC16 surf S	0.886	0.00	0.0	0.0	ZA	1.727	0.00	0.0
	AC16 surf S	0.230	0.00	0.0	0.0	Rellenos	1.252	0.00	0.0
10.000	Suelo Cemento	4.242	42.42	42.4	2.298	AC22 bin D	2.298	22.98	23.0
	AC16 surf S	0.886	8.86	8.9	1.727	ZA	1.727	17.28	17.3
	AC16 surf S	0.230	2.30	2.3	1.450	Rellenos	1.450	13.48	13.5
20.000	Suelo Cemento	4.242	42.42	84.8	2.298	AC22 bin D	2.298	22.98	46.0
	AC16 surf S	0.886	8.86	17.7	1.727	ZA	1.727	17.28	34.6
	AC16 surf S	0.230	2.30	4.6	1.114	Rellenos	1.114	12.78	26.3
30.000	Suelo Cemento	4.242	42.42	127.3	2.297	AC22 bin D	2.297	22.98	68.9
	AC16 surf S	0.885	8.86	26.6	1.727	ZA	1.727	17.28	51.8
	AC16 surf S	0.230	2.30	6.9	1.282	Rellenos	1.282	11.94	38.2
40.000	Suelo Cemento	4.242	42.42	169.7	2.298	AC22 bin D	2.298	22.97	91.9
	AC16 surf S	0.886	8.86	35.4	1.727	ZA	1.727	17.28	69.1
	AC16 surf S	0.230	2.30	9.2	1.156	Rellenos	1.156	12.15	50.4
50.000	Suelo Cemento	4.242	42.42	212.1	2.298	AC22 bin D	2.298	22.98	114.9
	AC16 surf S	0.886	8.86	44.3	1.718	ZA	1.718	17.24	86.4
	AC16 surf S	0.230	2.30	11.5	0.257	Rellenos	0.257	7.05	57.4
60.000	Suelo Cemento	4.242	42.42	254.5	2.298	AC22 bin D	2.298	22.98	137.9
	AC16 surf S	0.885	8.86	53.1	1.672	ZA	1.672	16.96	103.3
	AC16 surf S	0.230	2.30	13.8	0.503	Rellenos	0.503	3.82	61.2
69.200	Suelo Cemento	4.242	39.03	293.5	2.298	AC22 bin D	2.298	21.14	159.0
	AC16 surf S	0.885	8.15	61.3	1.700	ZA	1.700	15.52	118.8
	AC16 surf S	0.230	2.11	15.9	0.556	Rellenos	0.556	4.89	66.1
70.000	Suelo Cemento	4.242	3.39	296.9	2.298	AC22 bin D	2.298	1.84	160.8
	AC16 surf S	0.886	0.71	62.0	1.702	ZA	1.702	1.36	120.2
	AC16 surf S	0.230	0.18	16.1	0.561	Rellenos	0.561	0.45	66.6
72.200	Suelo Cemento	4.242	9.33	306.3	2.298	AC22 bin D	2.298	5.06	165.9
	AC16 surf S	0.885	1.95	64.0	1.727	ZA	1.727	3.77	124.0
	AC16 surf S	0.230	0.51	16.6	0.679	Rellenos	0.679	1.37	67.9
80.000	Suelo Cemento	4.242	33.09	339.4	2.298	AC22 bin D	2.298	17.92	183.8
	AC16 surf S	0.886	6.91	70.9	1.727	ZA	1.727	13.48	137.4
	AC16 surf S	0.230	1.79	18.4	1.174	Rellenos	1.174	7.23	75.2
90.000	Suelo Cemento	4.242	42.42	381.8	2.298	AC22 bin D	2.298	22.98	206.8
	AC16 surf S	0.886	8.86	79.7	1.727	ZA	1.727	17.28	154.7
	AC16 surf S	0.230	2.30	20.7	1.392	Rellenos	1.392	12.82	88.0

Istram 18.05.05.29 23/01/19 11:50:05 459
PROYECTO :
EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
100.000	Suelo Cemento	4.242	42.42	424.2	2.296	AC22 bin D	2.296	22.97	229.8
	AC16 surf S	0.886	8.86	88.6	1.727	ZA	1.727	17.28	172.0
	AC16 surf S	0.230	2.30	23.0	1.542	Rellenos	1.542	14.65	102.6
110.000	Suelo Cemento	4.242	42.42	466.6	2.296	AC22 bin D	2.296	22.96	252.7
	AC16 surf S	0.886	8.86	97.4	1.727	ZA	1.727	17.28	189.3
	AC16 surf S	0.230	2.30	25.3	1.569	Rellenos	1.569	15.54	118.2
120.000	Suelo Cemento	4.242	42.42	509.0	2.299	AC22 bin D	2.299	22.97	275.7
	AC16 surf S	0.885	8.86	106.3	1.550	ZA	1.550	16.39	205.7
	AC16 surf S	0.229	2.29	27.6	0.935	Rellenos	0.935	12.48	130.6
130.000	Suelo Cemento	4.242	42.42	551.5	2.298	AC22 bin D	2.298	22.99	298.7
	AC16 surf S	0.886	8.86	115.2	1.550	ZA	1.550	15.50	221.2
	AC16 surf S	0.229	2.29	29.9	0.934	Rellenos	0.934	9.29	139.9
140.000	Suelo Cemento	4.242	42.42	593.9	2.299	AC22 bin D	2.299	22.99	321.7
	AC16 surf S	0.885	8.85	124.0	1.550	ZA	1.550	15.50	236.7
	AC16 surf S	0.229	2.29	32.2	0.934	Rellenos	0.934	9.29	149.2
150.000	Suelo Cemento	4.242	42.42	636.3	2.297	AC22 bin D	2.297	22.98	344.7
	AC16 surf S	0.886	8.85	132.9	1.550	ZA	1.550	15.50	252.2
	AC16 surf S	0.229	2.29	34.5	0.934	Rellenos	0.934	9.29	158.5
160.000	Suelo Cemento	4.242	42.42	678.7	2.299	AC22 bin D	2.299	22.98	367.6
	AC16 surf S	0.885	8.85	141.7	1.550	ZA	1.550	15.50	267.7
	AC16 surf S	0.229	2.29	36.7	0.934	Rellenos	0.934	9.29	167.8
170.000	Suelo Cemento	4.242	42.42	721.2	2.298	AC22 bin D	2.298	22.99	390.6
	AC16 surf S	0.886	8.85	150.6	1.550	ZA	1.550	15.50	283.2
	AC16 surf S	0.229	2.29	39.0	0.934	Rellenos	0.934	9.29	177.1
180.000	Suelo Cemento	4.242	42.42	763.6	2.298	AC22 bin D	2.298	22.98	413.6
	AC16 surf S	0.885	8.85	159.4	1.549	ZA	1.549	15.49	298.7
	AC16 surf S	0.229	2.29	41.3	0.934	Rellenos	0.934	9.29	186.4
190.000	Suelo Cemento	4.242	42.42	806.0	2.296	AC22 bin D	2.296	22.97	436.6
	AC16 surf S	0.887	8.86	168.3	1.549	ZA	1.549	15.49	314.2
	AC16 surf S	0.229	2.29	43.6	0.935	Rellenos	0.935	9.29	195.7
200.000	Suelo Cemento	4.242	42.42	848.4	2.297	AC22 bin D	2.297	22.96	459.5
	AC16 surf S	0.886	8.86	177.1	1.549	ZA	1.549	15.49	329.6
	AC16 surf S	0.229	2.29	45.9	0.161	Rellenos	0.161	5.45	201.1
210.000	Suelo Cemento	4.242	42.42	890.8	2.298	AC22 bin D	2.298	22.97	482.5
	AC16 surf S	0.886	8.86	186.0	1.549	ZA	1.549	15.49	345.1
	AC16 surf S	0.229	2.29	48.2	0.529	Rellenos	0.529	3.43	204.5

Istram 18.05.05.29 23/01/19 11:50:05 459
PROYECTO :

pagina 3

EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
220.000	Suelo Cemento	4.242		42.42	933.3	AC22 bin D	2.296		22.97 505.5
	AC16 surf S	0.887		8.86	194.9	ZA	1.549		15.49 360.6
	AC16 surf S	0.229		2.29	50.5	Rellenos	0.530		5.27 209.8
230.000	Suelo Cemento	4.242		42.42	975.7	AC22 bin D	2.297		22.97 528.5
	AC16 surf S	0.886		8.86	203.7	ZA	1.549		15.49 376.1
	AC16 surf S	0.229		2.29	52.8	Rellenos	0.529		5.27 215.1
240.000	Suelo Cemento	4.242		42.42	1018.1	AC22 bin D	2.298		22.98 551.4
	AC16 surf S	0.888		8.87	212.6	ZA	1.544		15.47 391.6
	AC16 surf S	0.229		2.29	55.1	Rellenos	0.516		5.19 220.3
250.000	Suelo Cemento	4.242		42.42	1060.5	AC22 bin D	2.300		22.99 574.4
	AC16 surf S	0.893		8.90	221.5	ZA	1.522		15.34 406.9
	AC16 surf S	0.229		2.29	57.3	Rellenos	0.483		4.89 225.2
260.000	Suelo Cemento	4.242		42.42	1103.0	AC22 bin D	2.305		23.02 597.4
	AC16 surf S	0.898		8.96	230.5	ZA	1.493		15.11 422.0
	AC16 surf S	0.229		2.29	59.6	Rellenos	0.460		4.52 229.7
270.000	Suelo Cemento	4.242		42.42	1145.4	AC22 bin D	2.322		23.12 620.6
	AC16 surf S	0.902		9.00	239.5	ZA	1.494		14.99 437.0
	AC16 surf S	0.229		2.29	61.9	Rellenos	0.462		4.34 234.0
280.000	Suelo Cemento	4.242		42.42	1187.8	AC22 bin D	2.360		23.39 644.0
	AC16 surf S	0.911		9.07	248.5	ZA	1.494		15.02 452.0
	AC16 surf S	0.229		2.29	64.2	Rellenos	0.466		4.28 238.3
290.000	Suelo Cemento	4.242		42.42	1230.2	AC22 bin D	2.382		23.68 667.6
	AC16 surf S	0.916		9.14	257.7	ZA	1.495		15.04 467.1
	AC16 surf S	0.229		2.29	66.5	Rellenos	0.474		4.26 242.6
300.000	Suelo Cemento	4.242		42.42	1272.6	AC22 bin D	2.345		23.60 691.2
	AC16 surf S	0.908		9.13	266.8	ZA	1.494		15.04 482.1
	AC16 surf S	0.229		2.29	68.8	Rellenos	0.464		4.21 246.8
310.000	Suelo Cemento	4.242		42.42	1315.0	AC22 bin D	2.311		23.25 714.5
	AC16 surf S	0.899		9.04	275.8	ZA	1.494		15.04 497.2
	AC16 surf S	0.228		2.28	71.1	Rellenos	0.461		4.15 250.9
320.000	Suelo Cemento	4.242		42.42	1357.5	AC22 bin D	2.303		23.05 737.5
	AC16 surf S	0.895		8.97	284.8	ZA	1.703		16.17 513.3
	AC16 surf S	0.230		2.29	73.4	Rellenos	1.165		8.01 258.9
330.000	Suelo Cemento	4.242		42.42	1399.9	AC22 bin D	2.299		23.00 760.5
	AC16 surf S	0.889		8.92	293.7	ZA	1.729		17.41 530.8
	AC16 surf S	0.230		2.30	75.6	Rellenos	1.200		12.04 271.0

Istram 18.05.05.29 23/01/19 11:50:05 459

PROYECTO :
EJE: 46: Enlace Valladolid Norte: Acceso Valladolid

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** CAPAS DE FIRME * * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
340.000	Suelo Cemento	4.242		42.42	1442.3	AC22 bin D		2.293	22.95 783.5
	AC16 surf S	0.885		8.87	302.6	ZA		1.725	17.44 548.2
	AC16 surf S	0.230		2.30	77.9	Rellenos		1.199	12.15 283.1
350.000	Suelo Cemento	4.321		42.78	1485.1	AC22 bin D		2.328	23.09 806.6
	AC16 surf S	0.903		8.93	311.5	ZA		1.612	16.81 565.0
	AC16 surf S	0.217		2.24	80.2	Rellenos		1.184	11.99 295.1
360.000	Suelo Cemento	5.188		47.32	1532.4	AC22 bin D		2.765	25.36 831.9
	AC16 surf S	1.119		10.06	321.6	ZA		1.241	14.30 579.3
	AC16 surf S	0.172		1.94	82.1	Rellenos		1.129	11.53 306.6
363.785	Suelo Cemento	5.862		20.75	1553.2	AC22 bin D		3.105	11.03 843.0
	AC16 surf S	1.289		4.52	326.1	ZA		1.148	4.49 558.8
	AC16 surf S	0.160		0.62	82.8	Rellenos		1.117	4.20 310.8

13.300	Suelo Cemento	3.867	12.85	59.0	AC32 base G	1.789	5.94	27.6
	AC22 bin D	0.882	2.93	13.6	AC16 surf S	0.868	2.88	13.4
	Rellenos	0.788	2.61	9.4				
59.300	Suelo Cemento	3.857	0.00	59.0	AC32 base G	1.790	0.00	27.6
	AC22 bin D	0.883	0.00	13.6	AC16 surf S	0.867	0.00	13.4
	Rellenos	1.609	0.00	9.4				
60.000	Suelo Cemento	3.857	2.70	61.7	AC32 base G	1.790	1.25	28.8
	AC22 bin D	0.882	0.62	14.2	AC16 surf S	0.868	0.61	14.0
	Rellenos	1.609	1.13	10.5				
70.000	Suelo Cemento	4.831	43.44	105.2	AC32 base G	2.257	20.24	49.1
	AC22 bin D	1.116	9.99	24.2	AC16 surf S	1.102	9.85	23.9
	Rellenos	1.639	16.24	26.8				
72.672	Suelo Cemento	5.535	13.85	119.0	AC32 base G	2.596	6.48	55.5
	AC22 bin D	1.286	3.21	27.4	AC16 surf S	1.273	3.17	27.1
	Rellenos	1.654	4.40	31.2				

Istram 18.05.05.29 12/07/18 22:06:41 459 pagina 2

PROYECTO :

EJE: 45: Enlace Valladolid Norte: Conexión glorietas

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	119.0
AC32 base G	55.5
AC22 bin D	27.4
AC16 surf S	27.1
Rellenos	31.2

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 1

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	2.188	0.00	0.0	AC32 base G	1.005	0.00	0.0
	AC22 bin D	0.497	0.00	0.0	AC16 surf S	0.490	0.00	0.0
	Rellenos	0.771	0.00	0.0				
10.000	Suelo Cemento	2.208	19.67	19.7	AC32 base G	1.004	8.85	8.8
	AC22 bin D	0.496	4.36	4.4	AC16 surf S	0.491	4.30	4.3
	Rellenos	0.777	8.43	8.4				
20.000	Suelo Cemento	2.227	19.87	39.5	AC32 base G	1.005	8.85	17.7
	AC22 bin D	0.496	4.36	8.7	AC16 surf S	0.490	4.30	8.6
	Rellenos	0.782	8.49	16.9				
30.000	Suelo Cemento	2.241	20.05	59.6	AC32 base G	1.004	8.85	26.5
	AC22 bin D	0.496	4.36	13.1	AC16 surf S	0.490	4.30	12.9
	Rellenos	0.786	8.54	25.5				
40.000	Suelo Cemento	2.249	20.16	79.8	AC32 base G	1.005	8.85	35.4
	AC22 bin D	0.496	4.36	17.4	AC16 surf S	0.490	4.30	17.2
	Rellenos	0.788	8.57	34.0				
50.000	Suelo Cemento	2.250	20.21	100.0	AC32 base G	1.005	8.85	44.2
	AC22 bin D	0.496	4.36	21.8	AC16 surf S	0.490	4.29	21.5
	Rellenos	0.788	8.58	42.6				
60.000	Suelo Cemento	2.244	20.19	120.2	AC32 base G	1.005	8.85	53.1
	AC22 bin D	0.495	4.36	26.2	AC16 surf S	0.491	4.30	25.8
	Rellenos	0.787	8.58	51.2				
70.000	Suelo Cemento	2.233	20.10	140.3	AC32 base G	1.004	8.85	61.9
	AC22 bin D	0.497	4.36	30.5	AC16 surf S	0.490	4.30	30.1
	Rellenos	0.784	8.55	59.7				
80.000	Suelo Cemento	2.216	19.95	160.2	AC32 base G	1.004	8.85	70.8
	AC22 bin D	0.496	4.36	34.9	AC16 surf S	0.491	4.30	34.4
	Rellenos	0.780	8.51	68.3				
90.000	Suelo Cemento	2.198	19.76	180.0	AC32 base G	1.005	8.85	79.6
	AC22 bin D	0.496	4.36	39.2	AC16 surf S	0.490	4.30	38.7
	Rellenos	0.774	8.46	76.7				
100.000	Suelo Cemento	2.177	19.55	199.5	AC32 base G	1.005	8.85	88.5
	AC22 bin D	0.496	4.36	43.6	AC16 surf S	0.490	4.30	43.0
	Rellenos	0.767	8.39	85.1				
110.000	Suelo Cemento	2.159	19.35	218.9	AC32 base G	1.005	8.85	97.3
	AC22 bin D	0.496	4.36	48.0	AC16 surf S	0.491	4.30	47.3
	Rellenos	0.761	8.32	93.4				

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 2

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	2.144	19.17	238.0	AC32 base G	1.004	8.84	106.2
	AC22 bin D	0.497	4.36	52.3	AC16 surf S	0.491	4.31	51.6
	Rellenos	0.756	8.26	101.7				
130.000	Suelo Cemento	2.134	19.03	257.1	AC32 base G	1.005	8.84	115.0
	AC22 bin D	0.496	4.36	56.7	AC16 surf S	0.492	4.31	55.9
	Rellenos	0.752	8.20	109.9				
140.000	Suelo Cemento	2.130	18.96	276.0	AC32 base G	1.005	8.85	123.9
	AC22 bin D	0.496	4.36	61.0	AC16 surf S	0.492	4.31	60.2
	Rellenos	0.750	8.17	118.0				
150.000	Suelo Cemento	2.132	18.95	295.0	AC32 base G	1.005	8.85	132.7
	AC22 bin D	0.496	4.36	65.4	AC16 surf S	0.492	4.32	64.5

	Rellenos	0.751	8.17	126.2				
160.000	Suelo Cemento	2.141	19.01	314.0	AC32 base G	1.005	8.85	141.6
	AC22 bin D	0.496	4.36	69.8	AC16 surf S	0.491	4.31	68.9
	Rellenos	0.754	8.19	134.4				
170.000	Suelo Cemento	2.155	19.13	333.1	AC32 base G	1.005	8.85	150.4
	AC22 bin D	0.496	4.36	74.1	AC16 surf S	0.491	4.31	73.2
	Rellenos	0.759	8.24	142.6				
180.000	Suelo Cemento	2.172	19.30	352.4	AC32 base G	1.005	8.85	159.3
	AC22 bin D	0.496	4.36	78.5	AC16 surf S	0.491	4.31	77.5
	Rellenos	0.766	8.30	150.9				
188.496	Suelo Cemento	2.188	16.55	369.0	AC32 base G	1.005	7.52	166.8
	AC22 bin D	0.497	3.71	82.2	AC16 surf S	0.490	3.66	81.1
	Rellenos	0.771	7.11	158.0				

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 3

PROYECTO :

EJE: 44: Enlace Valladolid Norte: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	369.0
AC32 base G	166.8
AC22 bin D	82.2
AC16 surf S	81.1
Rellenos	158.0

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 1

PROYECTO :

EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	2.188	0.00	0.0	AC32 base G	1.005	0.00	0.0
	AC22 bin D	0.495	0.00	0.0	AC16 surf S	0.491	0.00	0.0
	Rellenos	0.323	0.00	0.0				
10.000	Suelo Cemento	2.208	19.67	19.7	AC32 base G	1.004	8.85	8.8
	AC22 bin D	0.497	4.36	4.4	AC16 surf S	0.491	4.31	4.3
	Rellenos	0.325	3.47	3.5				
20.000	Suelo Cemento	2.226	19.87	39.5	AC32 base G	1.005	8.84	17.7
	AC22 bin D	0.496	4.36	8.7	AC16 surf S	0.491	4.30	8.6
	Rellenos	0.327	3.49	7.0				
30.000	Suelo Cemento	2.241	20.04	59.6	AC32 base G	1.004	8.85	26.5
	AC22 bin D	0.496	4.36	13.1	AC16 surf S	0.490	4.30	12.9
	Rellenos	0.328	3.50	10.5				
40.000	Suelo Cemento	2.248	20.16	79.7	AC32 base G	1.004	8.85	35.4
	AC22 bin D	0.496	4.36	17.4	AC16 surf S	0.490	4.30	17.2
	Rellenos	0.329	3.51	14.0				
50.000	Suelo Cemento	2.249	20.21	99.9	AC32 base G	1.004	8.84	44.2
	AC22 bin D	0.496	4.36	21.8	AC16 surf S	0.491	4.30	21.5
	Rellenos	0.225	2.96	16.9				
60.000	Suelo Cemento	2.244	20.18	120.1	AC32 base G	1.005	8.85	53.1
	AC22 bin D	0.495	4.36	26.2	AC16 surf S	0.491	4.31	25.8
	Rellenos	0.787	5.48	22.4				
70.000	Suelo Cemento	2.233	20.09	140.2	AC32 base G	1.004	8.85	61.9
	AC22 bin D	0.496	4.36	30.5	AC16 surf S	0.490	4.30	30.1
	Rellenos	0.328	6.04	28.4				
80.000	Suelo Cemento	2.217	19.95	160.2	AC32 base G	1.005	8.85	70.8
	AC22 bin D	0.496	4.36	34.9	AC16 surf S	0.490	4.30	34.4
	Rellenos	0.326	3.50	31.9				
90.000	Suelo Cemento	2.197	19.76	179.9	AC32 base G	1.005	8.85	79.6
	AC22 bin D	0.496	4.36	39.2	AC16 surf S	0.491	4.30	38.7
	Rellenos	0.324	3.48	35.4				
100.000	Suelo Cemento	2.177	19.54	199.5	AC32 base G	1.005	8.85	88.5
	AC22 bin D	0.496	4.36	43.6	AC16 surf S	0.491	4.31	43.0
	Rellenos	0.323	3.45	38.9				
110.000	Suelo Cemento	2.160	19.35	218.8	AC32 base G	1.005	8.85	97.3
	AC22 bin D	0.496	4.36	47.9	AC16 surf S	0.491	4.31	47.3
	Rellenos	0.320	3.43	42.3				

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 2

PROYECTO :

EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	2.145	19.18	238.0	AC32 base G	1.005	8.85	106.2
	AC22 bin D	0.496	4.36	52.3	AC16 surf S	0.492	4.31	51.6
	Rellenos	0.318	3.41	45.7				
130.000	Suelo Cemento	2.134	19.04	257.0	AC32 base G	1.005	8.85	115.0
	AC22 bin D	0.496	4.36	56.7	AC16 surf S	0.491	4.31	55.9
	Rellenos	0.317	3.39	49.1				
140.000	Suelo Cemento	2.130	18.96	276.0	AC32 base G	1.005	8.86	123.9
	AC22 bin D	0.496	4.36	61.0	AC16 surf S	0.491	4.31	60.3
	Rellenos	0.317	3.38	52.5				
150.000	Suelo Cemento	2.133	18.95	294.9	AC32 base G	1.005	8.86	132.7
	AC22 bin D	0.496	4.36	65.4	AC16 surf S	0.491	4.31	64.6
	Rellenos	0.317	3.38	55.9				
160.000	Suelo Cemento	2.141	19.01	313.9	AC32 base G	1.005	8.85	141.6

	AC22 bin D	0.496	4.36	69.7	AC16 surf S	0.492	4.31	68.9
	Rellenos	0.318	3.39	59.3				
170.000	Suelo Cemento	2.154	19.12	333.1	AC32 base G	1.004	8.85	150.4
	AC22 bin D	0.497	4.36	74.1	AC16 surf S	0.491	4.31	73.2
	Rellenos	0.320	3.41	62.7				
180.000	Suelo Cemento	2.172	19.29	352.4	AC32 base G	1.005	8.85	159.3
	AC22 bin D	0.496	4.36	78.5	AC16 surf S	0.491	4.31	77.5
	Rellenos	0.322	3.43	66.1				
188.496	Suelo Cemento	2.188	16.54	368.9	AC32 base G	1.005	7.52	166.8
	AC22 bin D	0.495	3.70	82.2	AC16 surf S	0.491	3.66	81.2
	Rellenos	0.323	2.93	69.0				

Istram 18.05.05.29 12/07/18 19:50:19 459 pagina 3
PROYECTO :
EJE: 43: Enlace Valladolid Norte: Glorieta Izq.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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Suelo Cemento	368.9
AC32 base G	166.8
AC22 bin D	82.2
AC16 surf S	81.2
Rellenos	69.0

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 1
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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18.082	Suelo Cemento	1.585	0.00	0.0	AC22 bin D	0.692	0.00	0.0
	AC16 surf S	0.332	0.00	0.0	ZA	0.488	0.00	0.0
	AC16 surf S	0.076	0.00	0.0	Rellenos	1.747	0.00	0.0
20.000	Suelo Cemento	1.536	2.92	2.9	AC22 bin D	0.670	1.27	1.3
	AC16 surf S	0.321	0.61	0.6	ZA	0.534	0.90	0.9
	AC16 surf S	0.081	0.14	0.1	Rellenos	1.758	3.23	3.2
30.000	Suelo Cemento	1.418	14.44	17.4	AC22 bin D	0.611	6.25	7.5
	AC16 surf S	0.292	2.99	3.6	ZA	0.744	5.86	6.8
	AC16 surf S	0.111	0.89	1.0	Rellenos	1.782	16.98	20.2
40.000	Suelo Cemento	1.417	13.89	31.2	AC22 bin D	0.610	5.96	13.5
	AC16 surf S	0.291	2.85	6.4	ZA	0.770	6.95	13.7
	AC16 surf S	0.115	1.05	2.1	Rellenos	1.785	17.09	37.3
50.000	Suelo Cemento	1.417	13.88	45.1	AC22 bin D	0.609	5.96	19.4
	AC16 surf S	0.291	2.84	9.3	ZA	0.770	7.07	20.8
	AC16 surf S	0.115	1.06	3.1	Rellenos	1.784	17.10	54.4
60.000	Suelo Cemento	1.408	13.85	59.0	AC22 bin D	0.605	5.94	25.4
	AC16 surf S	0.289	2.84	12.1	ZA	0.770	7.09	27.9
	AC16 surf S	0.115	1.07	4.2	Rellenos	1.785	17.13	71.5
70.000	Suelo Cemento	1.391	13.78	72.8	AC22 bin D	0.597	5.91	31.3
	AC16 surf S	0.285	2.82	14.9	ZA	0.770	7.21	35.1
	AC16 surf S	0.115	1.08	5.3	Rellenos	1.785	17.27	88.8
80.000	Suelo Cemento	1.375	13.68	86.4	AC22 bin D	0.588	5.85	37.1
	AC16 surf S	0.280	2.79	17.7	ZA	0.770	7.35	42.4
	AC16 surf S	0.115	1.10	6.4	Rellenos	1.785	17.43	106.2
90.000	Suelo Cemento	1.359	13.58	100.0	AC22 bin D	0.580	5.80	42.9
	AC16 surf S	0.276	2.76	20.5	ZA	0.770	7.48	49.9
	AC16 surf S	0.115	1.12	7.5	Rellenos	1.785	17.58	123.8
100.000	Suelo Cemento	1.342	13.46	113.5	AC22 bin D	0.572	5.74	48.7
	AC16 surf S	0.272	2.73	23.2	ZA	0.770	7.60	57.5
	AC16 surf S	0.115	1.14	8.6	Rellenos	1.785	17.73	141.5
110.000	Suelo Cemento	1.337	13.39	126.9	AC22 bin D	0.569	5.70	54.4
	AC16 surf S	0.271	2.72	25.9	ZA	0.770	7.69	65.2
	AC16 surf S	0.115	1.15	9.8	Rellenos	1.785	17.84	159.4
120.000	Suelo Cemento	1.337	13.37	140.2	AC22 bin D	0.569	5.69	60.1
	AC16 surf S	0.271	2.71	28.7	ZA	0.770	7.70	72.9
	AC16 surf S	0.115	1.15	10.9	Rellenos	1.785	17.85	177.2

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 2
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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130.000	Suelo Cemento	1.337	13.37	153.6	AC22 bin D	0.569	5.69	65.8
	AC16 surf S	0.271	2.71	31.4	ZA	0.770	7.70	80.6
	AC16 surf S	0.115	1.15	12.1	Rellenos	1.785	17.85	195.1
140.000	Suelo Cemento	1.337	13.37	167.0	AC22 bin D	0.570	5.70	71.5
	AC16 surf S	0.271	2.71	34.1	ZA	0.770	7.70	88.3
	AC16 surf S	0.115	1.15	13.2	Rellenos	1.785	17.85	212.9
150.000	Suelo Cemento	1.337	13.37	180.3	AC22 bin D	0.569	5.70	77.2
	AC16 surf S	0.271	2.71	36.8	ZA	0.770	7.70	96.0
	AC16 surf S	0.115	1.15	14.4	Rellenos	1.785	17.85	230.8
160.000	Suelo Cemento	1.336	13.37	193.7	AC22 bin D	0.570	5.70	82.9
	AC16 surf S	0.271	2.71	39.5	ZA	0.770	7.70	103.7
	AC16 surf S	0.115	1.15	15.5	Rellenos	0.897	13.41	244.2
170.000	Suelo Cemento	1.337	13.37	207.1	AC22 bin D	0.569	5.70	88.6
	AC16 surf S	0.271	2.71	42.2	ZA	0.770	7.70	111.4
	AC16 surf S	0.115	1.15	16.7	Rellenos	0.969	9.33	253.5

180.000	Suelo Cemento	1.337	13.37	220.5	AC22 bin D	0.570	5.70	94.2
	AC16 surf S	0.271	2.71	44.9	ZA	0.770	7.70	119.1
	AC16 surf S	0.115	1.15	17.9	Rellenos	0.970	9.70	263.2
190.000	Suelo Cemento	1.337	13.37	233.8	AC22 bin D	0.570	5.70	99.9
	AC16 surf S	0.271	2.71	47.6	ZA	0.770	7.70	126.8
	AC16 surf S	0.115	1.15	19.0	Rellenos	0.970	9.70	272.9
200.000	Suelo Cemento	1.337	13.37	247.2	AC22 bin D	0.569	5.69	105.6
	AC16 surf S	0.271	2.71	50.3	ZA	0.770	7.68	134.5
	AC16 surf S	0.115	1.15	20.2	Rellenos	0.970	9.69	282.6
210.000	Suelo Cemento	1.336	13.36	260.6	AC22 bin D	0.570	5.69	111.3
	AC16 surf S	0.271	2.71	53.1	ZA	0.769	7.68	142.1
	AC16 surf S	0.115	1.15	21.3	Rellenos	0.970	9.68	292.3
220.000	Suelo Cemento	1.337	13.36	273.9	AC22 bin D	0.569	5.69	117.0
	AC16 surf S	0.271	2.71	55.8	ZA	0.770	7.68	149.8
	AC16 surf S	0.115	1.15	22.4	Rellenos	0.970	9.68	302.0
230.000	Suelo Cemento	1.337	13.36	287.3	AC22 bin D	0.570	5.69	122.7
	AC16 surf S	0.271	2.71	58.5	ZA	0.769	7.68	157.5
	AC16 surf S	0.115	1.15	23.6	Rellenos	0.970	9.68	311.6
240.000	Suelo Cemento	1.336	13.36	300.6	AC22 bin D	0.570	5.70	128.4
	AC16 surf S	0.271	2.71	61.2	ZA	0.770	7.68	165.2
	AC16 surf S	0.115	1.15	24.7	Rellenos	0.970	9.68	321.3

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 3
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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250.000	Suelo Cemento	1.337	13.36	314.0	AC22 bin D	0.570	5.70	134.1
	AC16 surf S	0.271	2.71	63.9	ZA	0.770	7.68	172.8
	AC16 surf S	0.115	1.15	25.9	Rellenos	0.970	9.69	331.0
260.000	Suelo Cemento	1.337	13.36	327.4	AC22 bin D	0.570	5.70	139.8
	AC16 surf S	0.271	2.71	66.6	ZA	0.770	7.68	180.5
	AC16 surf S	0.115	1.15	27.0	Rellenos	0.970	9.68	340.7
270.000	Suelo Cemento	1.337	13.36	340.7	AC22 bin D	0.570	5.70	145.5
	AC16 surf S	0.271	2.71	69.3	ZA	0.770	7.68	188.2
	AC16 surf S	0.115	1.15	28.2	Rellenos	0.970	9.68	350.4
280.000	Suelo Cemento	1.337	13.36	354.1	AC22 bin D	0.570	5.70	151.2
	AC16 surf S	0.271	2.71	72.0	ZA	0.769	7.68	195.9
	AC16 surf S	0.115	1.15	29.3	Rellenos	0.970	9.68	360.1
290.000	Suelo Cemento	1.337	13.36	367.4	AC22 bin D	0.570	5.70	156.9
	AC16 surf S	0.271	2.71	74.7	ZA	0.769	7.68	203.6
	AC16 surf S	0.115	1.15	30.5	Rellenos	0.970	9.68	369.7
300.000	Suelo Cemento	1.337	13.36	380.8	AC22 bin D	0.570	5.70	162.6
	AC16 surf S	0.271	2.71	77.4	ZA	0.770	7.68	211.2
	AC16 surf S	0.115	1.15	31.6	Rellenos	0.970	9.68	379.4
310.000	Suelo Cemento	1.337	13.36	394.2	AC22 bin D	0.570	5.69	168.3
	AC16 surf S	0.271	2.71	80.1	ZA	0.770	7.68	218.9
	AC16 surf S	0.115	1.15	32.8	Rellenos	0.970	9.68	389.1
320.000	Suelo Cemento	1.337	13.36	407.5	AC22 bin D	0.569	5.69	174.0
	AC16 surf S	0.271	2.71	82.8	ZA	0.770	7.68	226.6
	AC16 surf S	0.115	1.15	33.9	Rellenos	0.970	9.68	398.8
330.000	Suelo Cemento	1.337	13.36	420.9	AC22 bin D	0.570	5.69	179.7
	AC16 surf S	0.271	2.71	85.6	ZA	0.770	7.68	234.3
	AC16 surf S	0.115	1.15	35.1	Rellenos	0.970	9.68	408.5
340.000	Suelo Cemento	1.337	13.36	434.3	AC22 bin D	0.570	5.70	185.4
	AC16 surf S	0.271	2.71	88.3	ZA	0.769	7.68	241.9
	AC16 surf S	0.115	1.15	36.2	Rellenos	0.970	9.68	418.2
350.000	Suelo Cemento	1.337	13.36	447.6	AC22 bin D	0.570	5.69	191.1
	AC16 surf S	0.271	2.71	91.0	ZA	0.770	7.68	249.6
	AC16 surf S	0.115	1.15	37.4	Rellenos	0.970	9.68	427.9
360.000	Suelo Cemento	1.337	13.36	461.0	AC22 bin D	0.569	5.69	196.7
	AC16 surf S	0.271	2.71	93.7	ZA	0.770	7.68	257.3
	AC16 surf S	0.115	1.15	38.5	Rellenos	0.970	9.68	437.5

Istram 18.05.05.29 12/07/18 19:50:21 459 pagina 4
PROYECTO :
EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
370.000	Suelo Cemento	1.336	13.36	474.3	AC22 bin D	0.570	5.69	202.4
	AC16 surf S	0.271	2.71	96.4	ZA	0.770	7.68	265.0
	AC16 surf S	0.115	1.15	39.7	Rellenos	0.970	9.69	447.2
380.000	Suelo Cemento	1.337	13.36	487.7	AC22 bin D	0.569	5.69	208.1
	AC16 surf S	0.271	2.71	99.1	ZA	0.770	7.68	272.7
	AC16 surf S	0.115	1.15	40.8	Rellenos	0.969	9.68	456.9
390.000	Suelo Cemento	1.337	13.36	501.1	AC22 bin D	0.570	5.69	213.8
	AC16 surf S	0.271	2.71	101.8	ZA	0.769	7.68	280.3
	AC16 surf S	0.115	1.15	42.0	Rellenos	0.970	9.68	466.6
400.000	Suelo Cemento	1.333	13.34	514.4	AC22 bin D	0.567	5.68	219.5
	AC16 surf S	0.270	2.70	104.5	ZA	0.770	7.68	288.0
	AC16 surf S	0.115	1.15	43.1	Rellenos	0.969	9.68	476.3
410.000	Suelo Cemento	1.311	13.21	527.6	AC22 bin D	0.556	5.61	225.1
	AC16 surf S	0.264	2.67	107.2	ZA	0.769	7.68	295.7
	AC16 surf S	0.115	1.15	44.3	Rellenos	0.969	9.68	486.0
420.000	Suelo Cemento	1.285	12.97	540.6	AC22 bin D	0.546	5.50	230.6
	AC16 surf S	0.259	2.61	109.8	ZA	0.778	7.72	303.4
	AC16 surf S	0.115	1.15	45.4	Rellenos	0.974	9.71	495.7
430.000	Suelo Cemento	1.255	12.70	553.3	AC22 bin D	0.534	5.40	236.0

	AC16 surf S	0.254	2.56	112.4	ZA	0.801	7.88	311.3
	AC16 surf S	0.115	1.15	46.6	Rellenos	0.989	9.80	505.5
440.000	Suelo Cemento	1.227	12.41	565.7	AC22 bin D	0.523	5.28	241.3
	AC16 surf S	0.248	2.51	114.9	ZA	0.825	8.11	319.4
	AC16 surf S	0.115	1.15	47.7	Rellenos	1.003	9.95	515.4
450.000	Suelo Cemento	1.213	12.20	577.9	AC22 bin D	0.520	5.21	246.5
	AC16 surf S	0.246	2.47	117.3	ZA	0.848	8.34	327.7
	AC16 surf S	0.115	1.15	48.9	Rellenos	1.017	10.08	525.5
460.000	Suelo Cemento	1.206	12.09	590.0	AC22 bin D	0.520	5.20	251.7
	AC16 surf S	0.247	2.46	119.8	ZA	0.872	8.58	336.3
	AC16 surf S	0.115	1.15	50.0	Rellenos	1.031	10.23	535.7
470.000	Suelo Cemento	1.199	12.02	602.0	AC22 bin D	0.520	5.20	256.9
	AC16 surf S	0.247	2.46	122.3	ZA	0.896	8.82	345.1
	AC16 surf S	0.115	1.15	51.2	Rellenos	1.045	10.37	546.1
480.000	Suelo Cemento	1.192	11.95	613.9	AC22 bin D	0.520	5.20	262.1
	AC16 surf S	0.247	2.47	124.7	ZA	0.920	9.06	354.2
	AC16 surf S	0.115	1.15	52.3	Rellenos	1.060	10.51	556.6

Istram 18.05.05.29 12/07/18 19:50:21 459

pagina 5

PROYECTO :

EJE: 47: Enlace Valladolid Norte: Ramal 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
490.000	Suelo Cemento	1.185		11.88	625.8	AC22 bin D	0.520		5.20	267.3
	AC16 surf S	0.247		2.47	127.2	ZA	0.944		9.30	363.5
	AC16 surf S	0.115		1.15	53.5	Rellenos	1.074		10.65	567.3
491.925	Suelo Cemento	1.185		2.28	628.1	AC22 bin D	0.520		1.00	268.3
	AC16 surf S	0.247		0.48	127.7	ZA	0.946		1.82	365.3
	AC16 surf S	0.115		0.22	53.7	Rellenos	1.075		2.06	569.3

Istram 18.05.05.29 12/07/18 19:50:21 459

pagina 6

PROYECTO :

EJE: 47: Enlace Valladolid Norte: Ramal 1

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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Suelo Cemento	628.1
AC22 bin D	268.3
AC16 surf S	127.7
ZA	365.3
AC16 surf S	53.7
Rellenos	569.3

Istram 18.05.05.29 12/07/18 19:50:21 459

pagina 1

PROYECTO :

EJE: 48: Enlace Valladolid Norte: Ramal 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	Suelo Cemento	1.207		0.00	0.0	AC22 bin D	0.520		0.00	0.0
	AC16 surf S	0.246		0.00	0.0	Rellenos	0.797		0.00	0.0
10.000	Suelo Cemento	1.215		12.10	12.1	AC22 bin D	0.526		5.22	5.2
	AC16 surf S	0.249		2.47	2.5	Rellenos	0.821		8.08	8.1
20.000	Suelo Cemento	1.223		12.18	24.3	AC22 bin D	0.531		5.28	10.5
	AC16 surf S	0.252		2.50	5.0	Rellenos	0.845		8.33	16.4
30.000	Suelo Cemento	1.230		12.26	36.5	AC22 bin D	0.537		5.34	15.8
	AC16 surf S	0.256		2.54	7.5	ZA	0.004		0.02	0.0
	Rellenos	0.867		8.56	25.0					
40.000	Suelo Cemento	1.238		12.33	48.9	AC22 bin D	0.542		5.39	21.2
	AC16 surf S	0.258		2.57	10.1	ZA	0.011		0.07	0.1
	AC16 surf S	0.003		0.01	0.0	Rellenos	0.885		8.75	33.7
50.000	Suelo Cemento	1.245		12.41	61.3	AC22 bin D	0.548		5.45	26.7
	AC16 surf S	0.261		2.60	12.7	ZA	0.033		0.22	0.3
	AC16 surf S	0.006		0.04	0.1	Rellenos	0.888		8.86	42.6
60.000	Suelo Cemento	1.253		12.49	73.8	AC22 bin D	0.554		5.51	32.2
	AC16 surf S	0.264		2.62	15.3	ZA	0.055		0.44	0.7
	AC16 surf S	0.009		0.07	0.1	Rellenos	0.892		8.89	51.5
70.000	Suelo Cemento	1.265		12.58	86.4	AC22 bin D	0.560		5.57	37.8
	AC16 surf S	0.267		2.65	18.0	ZA	0.077		0.66	1.4
	AC16 surf S	0.012		0.11	0.2	Rellenos	0.897		8.94	60.4
80.000	Suelo Cemento	1.276		12.70	99.1	AC22 bin D	0.565		5.62	43.4
	AC16 surf S	0.270		2.68	20.6	ZA	0.100		0.89	2.3
	AC16 surf S	0.015		0.14	0.4	Rellenos	0.903		8.99	69.4
90.000	Suelo Cemento	1.285		12.80	111.9	AC22 bin D	0.570		5.67	49.1
	AC16 surf S	0.272		2.71	23.3	ZA	0.123		1.11	3.4
	AC16 surf S	0.019		0.17	0.5	Rellenos	0.908		9.05	78.5
100.000	Suelo Cemento	1.285		12.84	124.7	AC22 bin D	0.569		5.69	54.7
	AC16 surf S	0.272		2.72	26.1	ZA	0.146		1.34	4.8
	AC16 surf S	0.022		0.20	0.7	Rellenos	0.913		9.10	87.6
110.000	Suelo Cemento	1.285		12.84	137.5	AC22 bin D	0.569		5.69	60.4
	AC16 surf S	0.272		2.72	28.8	ZA	0.170		1.58	6.3
	AC16 surf S	0.025		0.23	1.0	Rellenos	0.919		9.15	96.7
120.000	Suelo Cemento	1.285		12.85	150.4	AC22 bin D	0.570		5.70	66.1
	AC16 surf S	0.272		2.72	31.5	ZA	0.194		1.82	8.1
	AC16 surf S	0.028		0.27	1.2	Rellenos	0.924		9.22	105.9

Istram 18.05.05.29 12/07/18 19:50:22 459

pagina 2

PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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130.000	Suelo Cemento	1.285	12.86	163.2	AC22 bin D	0.570	5.70	71.8		
	AC16 surf S	0.272	2.72	34.2	ZA	0.218	2.06	10.2		
	AC16 surf S	0.031	0.30	1.5	Rellenos	0.930	9.28	115.2		
140.000	Suelo Cemento	1.286	12.86	176.1	AC22 bin D	0.569	5.70	77.5		
	AC16 surf S	0.272	2.72	37.0	ZA	0.242	2.30	12.5		
	AC16 surf S	0.034	0.33	1.9	Rellenos	0.935	9.33	124.5		
150.000	Suelo Cemento	1.285	12.86	189.0	AC22 bin D	0.569	5.70	83.2		
	AC16 surf S	0.272	2.72	39.7	ZA	0.266	2.54	15.1		
	AC16 surf S	0.038	0.36	2.2	Rellenos	0.940	9.38	133.9		
160.000	Suelo Cemento	1.285	12.86	201.8	AC22 bin D	0.570	5.70	88.9		
	AC16 surf S	0.272	2.72	42.4	ZA	0.291	2.79	17.8		
	AC16 surf S	0.041	0.39	2.6	Rellenos	0.946	9.44	143.3		
170.000	Suelo Cemento	1.286	12.86	214.7	AC22 bin D	0.569	5.70	94.6		
	AC16 surf S	0.272	2.72	45.1	ZA	0.316	3.04	20.9		
	AC16 surf S	0.044	0.42	3.0	Rellenos	0.951	9.49	152.8		
180.000	Suelo Cemento	1.286	12.86	227.5	AC22 bin D	0.569	5.70	100.3		
	AC16 surf S	0.272	2.72	47.9	ZA	0.342	3.29	24.2		
	AC16 surf S	0.047	0.45	3.5	Rellenos	0.956	9.54	162.4		
190.000	Suelo Cemento	1.286	12.86	240.4	AC22 bin D	0.570	5.70	106.0		
	AC16 surf S	0.272	2.72	50.6	ZA	0.367	3.55	27.7		
	AC16 surf S	0.050	0.49	4.0	Rellenos	0.960	9.59	172.0		
200.000	Suelo Cemento	1.285	12.86	253.3	AC22 bin D	0.570	5.70	111.7		
	AC16 surf S	0.272	2.72	53.3	ZA	0.393	3.80	31.5		
	AC16 surf S	0.054	0.52	4.5	Rellenos	0.962	9.62	181.6		
210.000	Suelo Cemento	1.285	12.86	266.1	AC22 bin D	0.570	5.70	117.4		
	AC16 surf S	0.272	2.72	56.0	ZA	0.419	4.06	35.6		
	AC16 surf S	0.056	0.55	5.1	Rellenos	0.963	9.63	191.2		
220.000	Suelo Cemento	1.285	12.86	279.0	AC22 bin D	0.570	5.70	123.1		
	AC16 surf S	0.272	2.72	58.7	ZA	0.445	4.33	39.9		
	AC16 surf S	0.060	0.58	5.6	Rellenos	0.963	9.64	200.8		
230.000	Suelo Cemento	1.285	12.86	291.8	AC22 bin D	0.570	5.70	128.8		
	AC16 surf S	0.272	2.72	61.5	ZA	0.472	4.59	44.5		
	AC16 surf S	0.063	0.61	6.3	Rellenos	0.984	9.74	210.6		
240.000	Suelo Cemento	1.286	12.86	304.7	AC22 bin D	0.569	5.70	134.5		
	AC16 surf S	0.272	2.72	64.2	ZA	0.498	4.86	49.4		
	AC16 surf S	0.066	0.65	6.9	Rellenos	0.989	9.87	220.5		

Istram 18.05.05.29 12/07/18 19:50:22 459

pagina 3

PROYECTO :

EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
250.000	Suelo Cemento	1.285	12.86	317.6		AC22 bin D	0.570		5.70	140.2
	AC16 surf S	0.272	2.72	66.9		ZA	0.526		5.13	54.5
	AC16 surf S	0.069	0.68	7.6		Rellenos	0.995		9.93	230.4
260.000	Suelo Cemento	1.285	12.86	330.4		AC22 bin D	0.570		5.70	145.9
	AC16 surf S	0.272	2.72	69.6		ZA	0.553		5.40	59.9
	AC16 surf S	0.073	0.71	8.3		Rellenos	1.000		9.98	240.4
270.000	Suelo Cemento	1.285	12.86	343.3		AC22 bin D	0.570		5.70	151.6
	AC16 surf S	0.272	2.72	72.3		ZA	0.581		5.68	65.6
	AC16 surf S	0.075	0.74	9.0		Rellenos	1.005		10.04	250.4
280.000	Suelo Cemento	1.285	12.86	356.1		AC22 bin D	0.569		5.70	157.3
	AC16 surf S	0.272	2.72	75.1		ZA	0.608		5.95	71.5
	AC16 surf S	0.079	0.77	9.8		Rellenos	1.011		10.09	260.5
290.000	Suelo Cemento	1.285	12.86	369.0		AC22 bin D	0.570		5.70	163.0
	AC16 surf S	0.272	2.72	77.8		ZA	0.637		6.23	77.8
	AC16 surf S	0.082	0.80	10.6		Rellenos	1.016		10.15	270.6
300.000	Suelo Cemento	1.285	12.86	381.8		AC22 bin D	0.570		5.70	168.7
	AC16 surf S	0.272	2.72	80.5		ZA	0.665		6.52	84.3
	AC16 surf S	0.085	0.84	11.4		Rellenos	1.022		10.20	280.8
310.000	Suelo Cemento	1.285	12.86	394.7		AC22 bin D	0.570		5.70	174.4
	AC16 surf S	0.272	2.72	83.2		ZA	0.693		6.80	91.1
	AC16 surf S	0.088	0.87	12.3		Rellenos	1.027		10.26	291.1
320.000	Suelo Cemento	1.286	12.86	407.6		AC22 bin D	0.569		5.70	180.1
	AC16 surf S	0.272	2.72	86.0		ZA	0.722		7.09	98.2
	AC16 surf S	0.092	0.90	13.2		Rellenos	1.033		10.31	301.4
330.000	Suelo Cemento	1.286	12.86	420.4		AC22 bin D	0.570		5.70	185.8
	AC16 surf S	0.272	2.72	88.7		ZA	0.752		7.38	105.6
	AC16 surf S	0.095	0.93	14.1		Rellenos	0.949		9.92	311.3
340.000	Suelo Cemento	1.285	12.86	433.3		AC22 bin D	0.570		5.70	191.5
	AC16 surf S	0.272	2.72	91.4		ZA	0.781		7.67	113.2
	AC16 surf S	0.098	0.96	15.1		Rellenos	1.037		9.94	321.3
350.000	Suelo Cemento	1.285	12.85	446.1		AC22 bin D	0.570		5.70	197.2
	AC16 surf S	0.272	2.72	94.1		ZA	0.810		7.97	121.2
	AC16 surf S	0.101	0.99	16.1		Rellenos	1.050		10.44	331.7
360.000	Suelo Cemento	1.299	12.92	459.1		AC22 bin D	0.570		5.70	202.9
	AC16 surf S	0.272	2.72	96.8		ZA	0.801		8.07	129.3
	AC16 surf S	0.104	1.03	17.1		Rellenos	1.031		10.42	342.1

* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

370.000	Suelo Cemento	1.320	13.09	472.2	AC22 bin D	0.569	5.69	208.6	
	AC16 surf S	0.272	2.72	99.6	ZA	0.763	7.81	137.1	
	AC16 surf S	0.107	1.05	18.2	Rellenos	0.995	10.13	352.3	
380.000	Suelo Cemento	1.337	13.22	485.4	AC22 bin D	0.570	5.66	214.3	
	AC16 surf S	0.271	2.70	102.3	ZA	0.737	7.34	144.4	
	AC16 surf S	0.110	1.06	19.2	Rellenos	0.967	9.70	362.0	
390.000	Suelo Cemento	1.337	13.23	498.6	AC22 bin D	0.569	5.63	219.9	
	AC16 surf S	0.271	2.68	104.9	ZA	0.759	7.15	151.6	
	AC16 surf S	0.114	1.07	20.3	Rellenos	0.969	9.45	371.4	
400.000	Suelo Cemento	1.363	13.29	511.9	AC22 bin D	0.583	5.66	225.6	
	AC16 surf S	0.277	2.69	107.6	ZA	0.713	6.87	158.4	
	AC16 surf S	0.107	1.03	21.3	Rellenos	0.965	9.32	380.7	
410.000	Suelo Cemento	1.503	13.97	525.9	AC22 bin D	0.653	6.01	231.6	
	AC16 surf S	0.313	2.87	110.5	ZA	0.615	6.01	164.5	
	AC16 surf S	0.093	0.91	22.3	Rellenos	0.958	9.13	389.9	
420.000	Suelo Cemento	1.689	15.35	541.2	AC22 bin D	0.745	6.70	238.3	
	AC16 surf S	0.359	3.22	113.7	ZA	0.521	4.95	169.4	
	AC16 surf S	0.080	0.76	23.0	Rellenos	0.950	8.90	398.8	
430.000	Suelo Cemento	1.868	16.92	558.1	AC22 bin D	0.835	7.49	245.8	
	AC16 surf S	0.403	3.61	117.3	ZA	0.429	4.04	173.4	
	AC16 surf S	0.067	0.63	23.6	Rellenos	0.942	8.75	407.5	
434.729	Suelo Cemento	1.946	8.52	566.7	AC22 bin D	0.875	3.81	249.6	
	AC16 surf S	0.424	1.84	119.2	ZA	0.389	1.62	175.1	
	AC16 surf S	0.060	0.25	23.9	Rellenos	0.940	4.10	411.6	

Istram 18.05.05.29 12/07/18 19:50:22 459 pagina 5
PROYECTO :
EJE: 48: Enlace Valladolid Norte: Ramal 2

* * * RESUMEN DE VOLUMENES TOTALES * * *	
=====	
MATERIAL	VOLUMEN

Suelo Cemento	566.7
AC22 bin D	249.6
AC16 surf S	119.2
ZA	175.1
AC16 surf S	23.9
Rellenos	411.6

LISTADOS DE MEDICIÓN D VÍAS DE SERVICIO

TIERRAS VÍAS DE SERVICIO

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	FIRME	5.979	0.00	0.0	D TIERRA	9.560	0.00	0.0	
	SUELO EST2	2.801	0.00	0.0	SUELO EST1	2.924	0.00	0.0	
	TERRAPLEN	0.044	0.00	0.0	EXCAVA SANE0	7.805	0.00	0.0	
	TERRAP SANE0	7.805	0.00	0.0	VEGETAL	3.276	0.00	0.0	
10.000	FIRME	5.911	59.45	59.5	D TIERRA	9.089	93.25	93.2	
	SUELO EST2	2.770	27.85	27.9	SUELO EST1	2.892	29.08	29.1	
	TERRAPLEN	0.059	0.51	0.5	EXCAVA SANE0	7.716	77.61	77.6	
	TERRAP SANE0	7.716	77.61	77.6	VEGETAL	3.219	32.47	32.5	
20.000	FIRME	5.651	57.81	117.3	D TIERRA	8.673	88.81	182.1	
	SUELO EST2	2.667	27.18	55.0	SUELO EST1	2.791	28.42	57.5	
	TERRAPLEN	0.055	0.57	1.1	EXCAVA SANE0	7.419	75.67	153.3	
	TERRAP SANE0	7.419	75.67	153.3	VEGETAL	3.099	31.59	64.1	
20.893	FIRME	5.642	5.04	122.3	D TIERRA	8.654	7.74	189.8	
	SUELO EST2	2.664	2.38	57.4	SUELO EST1	2.788	2.49	60.0	
	TERRAPLEN	0.055	0.05	1.1	EXCAVA SANE0	7.407	6.62	159.9	
	TERRAP SANE0	7.407	6.62	159.9	VEGETAL	3.094	2.77	66.8	
30.000	FIRME	5.686	51.54	173.8	D TIERRA	8.211	76.70	266.5	
	SUELO EST2	2.697	24.39	81.8	SUELO EST1	2.822	25.53	85.5	
	TERRAPLEN	0.059	0.52	1.7	EXCAVA SANE0	7.443	67.56	227.5	
	TERRAP SANE0	7.443	67.56	227.5	VEGETAL	3.105	28.20	95.0	
40.000	FIRME	5.714	56.79	230.6	D TIERRA	8.258	81.86	348.3	
	SUELO EST2	2.684	26.83	108.6	SUELO EST1	2.809	28.07	113.6	
	TERRAPLEN	0.022	0.40	2.1	EXCAVA SANE0	0.097	37.57	265.0	
	TERRAP SANE0	0.097	37.57	265.0	VEGETAL	3.025	30.52	125.6	
50.000	FIRME	5.900	57.63	288.2	D TIERRA	8.607	83.06	431.4	
	SUELO EST2	2.802	27.29	135.9	SUELO EST1	2.927	28.54	142.1	
	TERRAPLEN	0.025	0.23	2.3	EXCAVA SANE0	7.530	37.81	302.8	
	TERRAP SANE0	7.530	37.81	302.8	VEGETAL	3.164	30.68	156.2	
60.000	FIRME	6.034	59.00	347.2	D TIERRA	9.247	86.99	518.4	
	SUELO EST2	2.861	28.14	164.1	SUELO EST1	2.987	29.39	171.5	
	TERRAPLEN	0.049	0.36	2.6	EXCAVA SANE0	0.106	37.82	340.7	
	TERRAP SANE0	0.106	37.82	340.7	VEGETAL	3.273	31.79	188.0	
61.393	FIRME	6.052	8.30	355.5	D TIERRA	9.348	12.55	530.9	
	SUELO EST2	2.864	3.96	168.0	SUELO EST1	2.989	4.13	175.7	
	TERRAPLEN	0.045	0.06	2.7	EXCAVA SANE0	0.093	0.15	340.8	
	TERRAP SANE0	0.093	0.15	340.8	VEGETAL	3.277	4.49	192.5	

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
70.000	FIRME	6.040	51.31	406.9	D TIERRA	9.499	78.60	609.5	
	SUELO EST2	2.840	24.34	192.4	SUELO EST1	2.966	25.42	201.1	
	TERRAPLEN	0.036	0.32	3.0	EXCAVA SANE0	0.053	0.70	341.5	
	TERRAP SANE0	0.053	0.70	341.5	VEGETAL	3.257	27.65	220.2	
80.000	FIRME	6.058	59.65	466.5	D TIERRA	7.922	84.28	693.8	
	SUELO EST2	2.906	28.52	220.9	SUELO EST1	3.030	29.77	230.8	
	TERRAPLEN	0.056	0.44	3.5	EXCAVA SANE0	7.826	38.93	380.4	
	TERRAP SANE0	7.826	38.93	380.4	VEGETAL	3.285	32.21	252.4	
87.351	FIRME	6.057	43.92	510.4	D TIERRA	7.877	56.06	749.9	
	SUELO EST2	2.912	21.26	242.1	SUELO EST1	3.037	22.17	253.0	
	TERRAPLEN	0.056	0.41	3.9	EXCAVA SANE0	7.835	56.84	437.3	
	TERRAP SANE0	7.835	56.84	437.3	VEGETAL	3.288	23.83	276.2	
90.000	FIRME	6.020	15.78	526.2	D TIERRA	7.997	20.33	770.2	
	SUELO EST2	2.875	7.62	249.8	SUELO EST1	3.001	7.95	261.0	
	TERRAPLEN	0.057	0.15	4.0	EXCAVA SANE0	7.766	20.41	457.7	
	TERRAP SANE0	7.766	20.41	457.7	VEGETAL	3.262	8.56	284.8	
100.000	FIRME	5.866	58.78	585.0	D TIERRA	8.301	79.52	849.7	
	SUELO EST2	2.760	28.00	277.8	SUELO EST1	2.886	29.26	290.2	
	TERRAPLEN	0.029	0.42	4.4	EXCAVA SANE0	7.460	75.28	533.0	
	TERRAP SANE0	7.460	75.28	533.0	VEGETAL	3.130	31.58	316.3	
110.000	FIRME	5.772	57.79	642.8	D TIERRA	8.606	83.47	933.2	
	SUELO EST2	2.714	27.24	305.0	SUELO EST1	2.838	28.49	318.7	
	TERRAPLEN	0.057	0.42	4.9	EXCAVA SANE0	7.475	74.12	607.1	
	TERRAP SANE0	7.475	74.12	607.1	VEGETAL	3.131	31.07	347.4	
120.000	FIRME	5.669	57.02	699.8	D TIERRA	8.754	86.36	1019.6	
	SUELO EST2	2.685	26.93	331.9	SUELO EST1	2.810	28.17	346.9	
	TERRAPLEN	0.057	0.57	5.4	EXCAVA SANE0	7.435	74.31	681.4	
	TERRAP SANE0	7.435	74.31	681.4	VEGETAL	3.112	31.11	378.5	
127.851	FIRME	5.626	44.30	744.1	D TIERRA	8.819	68.90	1088.5	
	SUELO EST2	2.654	20.95	352.9	SUELO EST1	2.778	21.92	368.8	
	TERRAPLEN	0.057	0.45	5.9	EXCAVA SANE0	7.399	58.18	739.6	
	TERRAP SANE0	7.399	58.18	739.6	VEGETAL	3.097	24.35	402.9	
130.000	FIRME	5.643	12.11	756.2	D TIERRA	8.821	18.95	1107.4	
	SUELO EST2	2.659	5.71	358.6	SUELO EST1	2.782	5.97	374.8	
	TERRAPLEN	0.057	0.12	6.0	EXCAVA SANE0	7.417	15.92	755.5	
	TERRAP SANE0	7.417	15.92	755.5	VEGETAL	3.104	6.66	409.5	

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
320.000	FIRME	5.034	50.31	1822.1	D TIERRA	1.477	21.18	2563.4	

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
140.000	FIRME	5.596	56.20	812.4	D TIERRA	7.243	80.32	1187.7
	SUELO EST2	2.613	26.36	384.9	SUELO EST1	2.736	27.59	402.4
	TERRAPLEN	0.063	0.60	6.6	EXCAVA SANE0	7.275	73.46	829.0
	TERRAP SANE0	7.275	73.46	829.0	VEGETAL	3.033	30.68	440.2
150.000	FIRME	5.717	56.57	869.0	D TIERRA	8.361	78.02	1265.8
	SUELO EST2	2.675	26.44	411.4	SUELO EST1	2.799	27.67	430.1
	TERRAPLEN	0.052	0.57	7.2	EXCAVA SANE0	7.472	73.74	902.7
	TERRAP SANE0	7.472	73.74	902.7	VEGETAL	3.125	30.79	471.0
160.000	FIRME	5.979	58.48	927.5	D TIERRA	10.083	92.22	1358.0
	SUELO EST2	2.801	27.38	438.8	SUELO EST1	2.924	28.62	458.7
	TERRAPLEN	0.037	0.44	7.6	EXCAVA SANE0	7.813	76.43	979.1
	TERRAP SANE0	7.813	76.43	979.1	VEGETAL	3.290	32.08	503.1
170.000	FIRME	5.979	59.79	987.3	D TIERRA	10.620	103.51	1461.5
	SUELO EST2	2.801	28.01	466.8	SUELO EST1	2.924	29.24	487.9
	TERRAPLEN	0.030	0.34	7.9	EXCAVA SANE0	7.824	78.18	1057.3
	TERRAP SANE0	7.824	78.18	1057.3	VEGETAL	3.304	32.97	536.1
180.000	FIRME	5.979	59.79	1047.0	D TIERRA	11.031	108.26	1569.7
	SUELO EST2	2.801	28.01	494.8	SUELO EST1	2.925	29.25	517.2
	TERRAPLEN	0.038	0.34	8.3	EXCAVA SANE0	7.848	78.36	1135.7
	TERRAP SANE0	7.848	78.36	1135.7	VEGETAL	3.318	33.11	569.2
190.000	FIRME	5.979	59.79	1106.8	D TIERRA	9.834	104.32	1674.1
	SUELO EST2	2.801	28.01	522.8	SUELO EST1	2.924	29.24	546.4
	TERRAPLEN	0.047	0.42	8.7	EXCAVA SANE0	7.815	78.32	1214.0
	TERRAP SANE0	7.815	78.32	1214.0	VEGETAL	3.280	32.99	602.2
200.000	FIRME	5.979	59.79	1166.6	D TIERRA	10.001	99.17	1773.2
	SUELO EST2	2.801	28.01	550.8	SUELO EST1	2.924	29.24	575.6
	TERRAPLEN	0.046	0.46	9.2	EXCAVA SANE0	7.817	78.16	1292.2
	TERRAP SANE0	7.817	78.16	1292.2	VEGETAL	3.284	32.82	635.0
210.000	FIRME	5.979	59.79	1226.4	D TIERRA	9.628	98.15	1871.4
	SUELO EST2	2.801	28.01	578.8	SUELO EST1	2.924	29.24	604.9
	TERRAPLEN	0.045	0.45	9.6	EXCAVA SANE0	7.803	78.10	1370.3
	TERRAP SANE0	7.803	78.10	1370.3	VEGETAL	3.271	32.78	667.8
220.000	FIRME	5.979	59.79	1286.2	D TIERRA	9.775	97.02	1968.4
	SUELO EST2	2.801	28.01	606.8	SUELO EST1	2.925	29.24	634.1
	TERRAPLEN	0.038	0.42	10.0	EXCAVA SANE0	7.802	78.03	1448.3
	TERRAP SANE0	7.802	78.03	1448.3	VEGETAL	3.278	32.75	700.5

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
230.000	FIRME	5.979	59.79	1346.0	D TIERRA	9.433	96.04	2064.4	
	SUELO EST2	2.801	28.01	634.8	SUELO EST1	2.924	29.24	663.4	
	TERRAPLEN	0.042	0.40	10.4	EXCAVA SANE0	7.800	78.01	1526.3	
240.000	TERRAP SANE0	7.800	78.01	1526.3	VEGETAL	3.272	32.75	733.2	
	FIRME	5.938	59.58	1405.6	D TIERRA	8.645	90.39	2154.8	
	SUELO EST2	2.782	27.91	662.7	SUELO EST1	2.905	29.15	692.5	
250.000	TERRAPLEN	0.054	0.48	10.9	EXCAVA SANE0	7.748	77.74	1604.1	
	TERRAP SANE0	7.748	77.74	1604.1	VEGETAL	3.238	32.55	765.8	
	FIRME	5.595	57.66	1463.2	D TIERRA	7.500	80.73	2235.6	
260.000	SUELO EST2	2.619	27.00	689.7	SUELO EST1	2.742	28.23	720.8	
	TERRAPLEN	0.063	0.58	11.5	EXCAVA SANE0	7.323	75.36	1679.4	
	TERRAP SANE0	7.323	75.36	1679.4	VEGETAL	3.053	31.45	797.3	
270.000	FIRME	5.359	54.77	1518.0	D TIERRA	6.706	71.03	2306.6	
	SUELO EST2	2.501	25.60	715.3	SUELO EST1	2.624	26.83	747.6	
	TERRAPLEN	0.062	0.63	12.1	EXCAVA SANE0	6.985	71.54	1751.0	
280.000	TERRAP SANE0	6.985	71.54	1751.0	VEGETAL	2.912	29.82	827.1	
	FIRME	5.198	52.78	1570.8	D TIERRA	5.831	62.68	2369.3	
	SUELO EST2	2.407	24.54	739.9	SUELO EST1	2.530	25.77	773.3	
290.000	TERRAPLEN	0.062	0.62	12.8	EXCAVA SANE0	6.679	68.32	1819.3	
	TERRAP SANE0	6.679	68.32	1819.3	VEGETAL	2.784	28.48	855.6	
	FIRME	4.949	50.74	1621.5	D TIERRA	4.999	54.15	2423.4	
300.000	SUELO EST2	2.329	23.68	763.5	SUELO EST1	2.450	24.90	798.2	
	TERRAPLEN	0.002	0.32	13.1	EXCAVA SANE0	0.000	33.39	1852.7	
	TERRAP SANE0	0.000	33.39	1852.7	VEGETAL	2.517	26.51	882.1	
310.000	FIRME	5.001	49.75	1671.3	D TIERRA	4.399	46.99	2470.4	
	SUELO EST2	2.384	23.56	787.1	SUELO EST1	2.507	24.79	823.0	
	TERRAPLEN	0.002	0.02	13.1	EXCAVA SANE0	0.018	0.09	1852.8	
297.854	TERRAP SANE0	0.018	0.09	1852.8	VEGETAL	2.572	25.45	907.5	
	FIRME	5.029	39.39	1710.7	D TIERRA	3.773	32.09	2502.5	
	SUELO EST2	2.439	18.94	806.0	SUELO EST1	2.563	19.91	842.9	
300.000	TERRAPLEN	0.015	0.07	13.2	EXCAVA SANE0	0.000	0.07	1852.8	
	TERRAP SANE0	0.000	0.07	1852.8	VEGETAL	2.630	20.43	927.9	
	FIRME	5.032	10.80	1721.5	D TIERRA	3.608	7.92	2510.4	
310.000	SUELO EST2	2.454	5.25	811.3	SUELO EST1	2.578	5.52	848.5	
	TERRAPLEN	0.020	0.04	13.2	VEGETAL	2.644	5.66	933.6	
	FIRME	5.029	50.31	1771.8	D TIERRA	2.759	31.83	2542.3	
300.000	SUELO EST2	2.545	24.99	836.3	SUELO EST1	2.664	26.21	874.7	
	TERRAPLEN	0.041	0.30	13.5	VEGETAL	2.717	26.81	960.4	

330.000	SUELO EST2	2.674	26.10	862.4	SUELO EST1	2.731	26.98	901.7
	TERRAPLEN	0.055	0.48	14.0	VEGETAL	2.805	27.61	988.0
	FIRME	5.037	50.35	1872.4	D TIERRA	0.430	9.53	2573.0
340.000	SUELO EST2	2.796	27.35	889.7	SUELO EST1	2.777	27.54	929.2
	TERRAPLEN	0.459	2.57	16.6	VEGETAL	2.897	28.51	1016.5
	FIRME	5.038	50.37	1922.8	D TIERRA	0.029	2.29	2575.2
350.000	SUELO EST2	2.893	28.45	918.2	SUELO EST1	2.825	28.01	957.2
	TERRAPLEN	2.178	13.20	29.8	VEGETAL	3.025	29.61	1046.1
	FIRME	5.040	50.39	1973.2	D TIERRA	0.000	0.14	2575.4
360.000	SUELO EST2	2.991	29.42	947.6	SUELO EST1	2.833	28.29	985.5
	TERRAPLEN	4.566	33.76	63.5	VEGETAL	3.175	31.01	1077.1
	FIRME	5.042	50.40	2023.6	SUELO EST2	3.021	30.06	977.7
370.000	SUELO EST1	2.834	28.33	1013.8	TERRAPLEN	6.790	56.84	120.4
	VEGETAL	3.307	32.42	1109.6				
	FIRME	5.037	50.39	2074.0	SUELO EST2	3.020	30.20	1007.9
380.000	SUELO EST1	2.832	28.33	1042.1	TERRAPLEN	10.978	88.93	209.3
	VEGETAL	3.520	34.14	1143.7				
	FIRME	5.031	50.33	2124.3	SUELO EST2	3.013	30.16	1038.0
390.000	SUELO EST1	2.831	28.31	1070.5	TERRAPLEN	12.617	118.21	327.5
	VEGETAL	3.551	35.37	1179.1				
	FIRME	5.026	50.27	2174.6	SUELO EST2	3.017	30.15	1068.2
390.747	SUELO EST1	2.830	28.30	1098.8	TERRAPLEN	9.302	109.96	437.5
	VEGETAL	3.565	35.61	1214.7				
	FIRME	5.025	3.75	2178.3	SUELO EST2	3.013	2.25	1070.4
400.000	SUELO EST1	2.830	2.11	1100.9	TERRAPLEN	8.856	6.81	444.3
	VEGETAL	3.539	2.66	1217.4				
	FIRME	5.025	46.49	2224.8	D TIERRA	0.033	0.15	2575.5
410.000	SUELO EST2	2.905	27.38	1097.8	SUELO EST1	2.826	26.16	1127.0
	TERRAPLEN	4.872	63.80	508.1	VEGETAL	3.362	31.96	1249.3
	FIRME	4.979	50.01	2274.8	D TIERRA	3.079	15.54	2591.1
420.000	SUELO EST2	2.456	26.81	1124.6	SUELO EST1	2.581	27.04	1154.1
	TERRAPLEN	0.037	24.68	532.8	VEGETAL	2.644	30.05	1279.4
	FIRME	5.320	51.50	2326.3	D TIERRA	7.764	54.35	2645.4
	SUELO EST2	2.669	25.64	1150.3	SUELO EST1	2.795	26.89	1181.0
	TERRAPLEN	0.034	0.35	533.1	VEGETAL	3.218	29.34	1308.7

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 6

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
425.440	FIRME	5.326	28.97	2355.3	D TIERRA	10.733	50.53	2696.0
430.000	SUELO EST2	2.676	14.55	1164.8	SUELO EST1	2.802	15.23	1196.2
	TERRAPLEN	0.035	0.19	533.3	VEGETAL	3.414	18.07	1326.8
	FIRME	5.359	24.37	2379.7	D TIERRA	6.562	39.60	2735.6
440.000	SUELO EST2	2.715	12.30	1177.1	SUELO EST1	2.841	12.87	1209.1
	TERRAPLEN	0.045	0.18	533.5	VEGETAL	3.406	15.58	1342.4
	FIRME	5.385	53.73	2433.4	D TIERRA	2.202	43.98	2779.5
450.000	SUELO EST2	2.970	28.43	1205.5	SUELO EST1	2.951	28.96	1238.0
	TERRAPLEN	0.203	1.24	534.7	VEGETAL	3.489	34.52	1376.9
	FIRME	5.398	53.93	2487.3	D TIERRA	1.391	18.03	2797.6
460.000	SUELO EST2	2.976	29.72	1235.2	SUELO EST1	2.942	29.46	1267.5
	TERRAPLEN	0.674	4.36	539.1	VEGETAL	3.496	34.94	1411.8
	FIRME	5.037	52.18	2539.5	D TIERRA	0.590	9.93	2807.5
470.000	SUELO EST2	2.778	28.76	1264.0	SUELO EST1	2.744	28.43	1295.9
	TERRAPLEN	1.717	11.90	551.0	VEGETAL	3.169	33.31	1445.1
	FIRME	5.036	50.36	2589.9	D TIERRA	0.000	2.95	2810.5
480.000	SUELO EST2	2.813	27.94	1291.9	SUELO EST1	2.777	27.60	1323.5
	TERRAPLEN	3.756	27.26	578.3	VEGETAL	3.361	32.62	1477.7
	FIRME	5.048	50.42	2640.3	D TIERRA	0.027	0.14	2810.6
490.000	SUELO EST2	2.988	29.00	1320.9	SUELO EST1	2.836	28.07	1351.6
	TERRAPLEN	5.500	46.14	624.4	VEGETAL	3.582	34.68	1512.4
	FIRME	5.073	50.61	2690.9	D TIERRA	0.319	1.73	2812.3
500.000	SUELO EST2	2.932	29.60	1350.5	SUELO EST1	2.844	28.40	1380.0
	TERRAPLEN	5.964	57.18	681.6	VEGETAL	3.637	36.07	1548.5
	FIRME	5.100	50.87	2741.8	D TIERRA	1.105	7.13	2819.5
505.328	SUELO EST2	2.884	29.08	1379.6	SUELO EST1	2.834	28.39	1408.4
	TERRAPLEN	5.811	58.76	740.3	VEGETAL	3.704	36.68	1585.2
	FIRME	5.113	27.21	2769.0	D TIERRA	1.357	6.56	2826.0
510.000	SUELO EST2	2.895	15.39	1395.0	SUELO EST1	2.842	15.12	1423.5
	TERRAPLEN	5.779	30.83	771.2	VEGETAL	3.710	19.74	1604.9
	FIRME	5.113	23.89	2792.9	D TIERRA	1.478	6.63	2832.6
520.000	SUELO EST2	2.922	13.59	1408.6	SUELO EST1	2.854	13.30	1436.8
	TERRAPLEN	5.360	25.99	797.2	VEGETAL	3.710	17.33	1622.2
	FIRME	5.113	51.13	2844.0	D TIERRA	1.228	13.54	2846.2
	SUELO EST2	2.979	29.50	1438.1	SUELO EST1	2.863	28.58	1465.4
	TERRAPLEN	4.517	49.32	846.5	VEGETAL	3.724	37.16	1659.4

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
530.000	FIRME	5.113	51.13	2895.1	D TIERRA	0.809	10.19	2856.4
540.000	SUELO EST2	3.015	29.97	1468.1	SUELO EST1	2.863	28.63	1494.0
	TERRAPLEN	5.267	48.86	895.3	VEGETAL	3.778	37.50	1696.9
	FIRME	5.113	51.13	2946.2	D TIERRA	1.026	9.17	2865.5
550.000	SUELO EST2	2.901	29.58	1497.7	SUELO EST1	2.845	28.54	1522.5
	TERRAPLEN	5.489	53.72	949.0	VEGETAL	3.711	37.43	1734.3
	FIRME	5.113	51.13	2997.4	D TIERRA	1.099	10.63	2876.2

560.000	SUELO EST2	2.816	28.58	1526.2	SUELO EST1	2.781	28.13	1550.7
	TERRAPLEN	5.381	54.29	1003.3	VEGETAL	3.633	36.71	1771.0
	FIRME	5.102	51.08	3048.5	D TIERRA	1.540	13.20	2889.4
570.000	SUELO EST2	2.773	27.94	1554.2	SUELO EST1	2.739	27.60	1578.3
	TERRAPLEN	4.074	47.22	1050.6	VEGETAL	3.559	35.95	1807.0
	FIRME	5.110	51.06	3099.5	D TIERRA	2.648	20.95	2910.3
580.000	SUELO EST2	2.796	27.84	1582.0	SUELO EST1	2.761	27.50	1605.8
	TERRAPLEN	2.730	33.98	1084.5	VEGETAL	3.446	35.01	1842.0
	FIRME	5.113	51.11	3150.6	D TIERRA	2.714	26.81	2937.1
590.000	SUELO EST2	2.828	28.12	1610.1	SUELO EST1	2.793	27.77	1633.5
	TERRAPLEN	2.209	24.66	1109.2	VEGETAL	3.395	34.20	1876.2
	FIRME	5.113	51.13	3201.8	D TIERRA	2.143	24.29	2961.4
600.000	SUELO EST2	2.877	28.52	1638.7	SUELO EST1	2.831	28.12	1661.7
	TERRAPLEN	1.972	20.88	1130.1	VEGETAL	3.384	33.89	1910.1
	FIRME	5.113	51.13	3252.9	D TIERRA	2.369	22.56	2984.0
610.000	SUELO EST2	2.872	28.74	1667.4	SUELO EST1	2.827	28.29	1690.0
	TERRAPLEN	2.294	21.31	1151.4	VEGETAL	3.376	33.79	1943.9
	FIRME	5.113	51.13	3304.0	D TIERRA	2.575	24.73	3008.7
620.000	SUELO EST2	2.836	28.54	1695.9	SUELO EST1	2.800	28.13	1718.1
	TERRAPLEN	2.733	25.11	1176.5	VEGETAL	3.352	33.63	1977.5
	FIRME	5.112	51.12	3355.1	D TIERRA	2.338	24.57	3033.3
630.000	SUELO EST2	2.807	28.21	1724.2	SUELO EST1	2.772	27.86	1745.9
	TERRAPLEN	2.924	28.25	1204.7	VEGETAL	3.318	33.34	2010.9
	FIRME	5.111	51.12	3406.2	D TIERRA	2.218	22.79	3056.1
640.000	SUELO EST2	2.802	28.04	1752.2	SUELO EST1	2.767	27.69	1773.6
	TERRAPLEN	2.540	27.29	1232.0	VEGETAL	3.285	33.01	2043.9
	FIRME	5.078	50.95	3457.2	D TIERRA	2.738	24.79	3080.9
	SUELO EST2	2.735	27.68	1779.9	SUELO EST1	2.701	27.34	1801.0
	TERRAPLEN	2.712	26.23	1258.3	VEGETAL	3.244	32.64	2076.5

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
650.000	FIRME	5.049	50.63	3507.8	D TIERRA	2.548	26.44	3107.3
	SUELO EST2	2.707	27.21	1807.1	SUELO EST1	2.672	26.86	1827.8
	TERRAPLEN	2.532	26.19	1284.5	VEGETAL	3.214	32.28	2108.8
660.000	FIRME	5.082	50.65	3558.5	D TIERRA	2.070	23.10	3130.4
	SUELO EST2	2.741	27.23	1834.3	SUELO EST1	2.706	26.89	1854.7
	TERRAPLEN	2.338	24.33	1308.8	VEGETAL	3.237	32.25	2141.0
670.000	FIRME	5.105	50.94	3609.4	D TIERRA	1.480	17.76	3148.2
	SUELO EST2	2.780	27.60	1861.9	SUELO EST1	2.746	27.25	1882.0
	TERRAPLEN	2.352	23.43	1332.2	VEGETAL	3.283	32.59	2173.6
680.000	FIRME	5.110	51.08	3660.5	D TIERRA	1.272	13.77	3161.9
	SUELO EST2	2.795	27.87	1889.8	SUELO EST1	2.760	27.53	1909.5
	TERRAPLEN	2.092	22.20	1354.4	VEGETAL	3.215	32.48	2206.1
690.000	FIRME	5.111	51.11	3711.6	D TIERRA	1.150	12.11	3174.0
	SUELO EST2	2.803	27.99	1917.8	SUELO EST1	2.768	27.64	1937.2
	TERRAPLEN	1.736	19.12	1373.5	VEGETAL	3.113	31.63	2237.7
700.000	FIRME	5.112	51.12	3762.7	D TIERRA	1.090	11.20	3185.2
	SUELO EST2	2.808	28.05	1945.8	SUELO EST1	2.773	27.71	1964.9
	TERRAPLEN	1.877	18.05	1391.6	VEGETAL	3.137	31.25	2269.0
710.000	FIRME	5.112	51.12	3813.8	D TIERRA	1.100	10.95	3196.2
	SUELO EST2	2.811	28.09	1973.9	SUELO EST1	2.776	27.75	1992.6
	TERRAPLEN	1.914	18.93	1410.5	VEGETAL	3.144	31.40	2300.4
720.000	FIRME	5.112	51.12	3865.0	D TIERRA	1.108	11.04	3207.2
	SUELO EST2	2.822	28.16	2002.1	SUELO EST1	2.786	27.81	2020.4
	TERRAPLEN	1.937	19.24	1429.8	VEGETAL	3.154	31.49	2331.9
730.000	FIRME	5.112	51.12	3916.1	D TIERRA	1.156	11.33	3218.6
	SUELO EST2	2.813	28.17	2030.3	SUELO EST1	2.778	27.82	2048.2
	TERRAPLEN	1.898	19.16	1448.9	VEGETAL	3.151	31.52	2363.4
740.000	FIRME	5.111	51.12	3967.2	D TIERRA	1.245	12.01	3230.6
	SUELO EST2	2.805	28.08	2058.3	SUELO EST1	2.770	27.74	2076.0
	TERRAPLEN	1.761	18.28	1467.2	VEGETAL	3.132	31.41	2394.8
750.000	FIRME	5.112	51.12	4018.3	D TIERRA	1.287	12.67	3243.2
	SUELO EST2	2.810	28.07	2086.4	SUELO EST1	2.774	27.72	2103.7
	TERRAPLEN	1.474	16.16	1483.3	VEGETAL	3.093	31.12	2425.9
760.000	FIRME	5.112	51.12	4069.4	D TIERRA	1.208	12.48	3255.7
	SUELO EST2	2.810	28.10	2114.5	SUELO EST1	2.776	27.75	2131.5
	TERRAPLEN	1.536	15.04	1498.4	VEGETAL	3.100	30.96	2456.9

817.071	SUELO EST2	2.958	29.89	2258.6	SUELO EST1	2.843	28.53	2272.0
	TERRAPLEN	2.332	20.26	1583.3	VEGETAL	3.320	33.06	2616.3
	FIRME	5.034	35.71	4360.5	D TIERRA	1.775	12.89	3349.9
820.000	SUELO EST2	2.990	21.03	2279.6	SUELO EST1	2.830	20.06	2292.1
	TERRAPLEN	2.887	18.43	1601.7	VEGETAL	3.401	23.76	2640.1
	FIRME	5.034	14.75	4375.3	D TIERRA	1.818	5.26	3355.2
830.000	SUELO EST2	2.999	8.77	2288.4	SUELO EST1	2.830	8.29	2300.4
	TERRAPLEN	2.927	8.53	1610.3	VEGETAL	3.414	9.98	2650.1
	FIRME	5.034	50.34	4425.6	D TIERRA	2.027	19.21	3374.4
840.000	SUELO EST2	2.930	29.64	2318.0	SUELO EST1	2.830	28.30	2328.7
	TERRAPLEN	2.733	28.36	1638.6	VEGETAL	3.340	33.78	2683.9
	FIRME	5.034	50.34	4475.9	D TIERRA	2.118	20.71	3395.1
850.000	SUELO EST2	2.898	29.14	2347.2	SUELO EST1	2.825	28.27	2357.0
	TERRAPLEN	2.536	26.40	1665.0	VEGETAL	3.301	33.21	2717.1
	FIRME	5.033	50.33	4526.3	D TIERRA	2.213	21.64	3416.7
860.000	SUELO EST2	2.762	28.30	2375.5	SUELO EST1	2.733	27.79	2384.7
	TERRAPLEN	2.397	24.72	1689.7	VEGETAL	3.213	32.58	2749.7
	FIRME	5.015	50.24	4576.5	D TIERRA	2.505	23.58	3440.3
870.000	SUELO EST2	2.719	27.41	2402.9	SUELO EST1	2.690	27.12	2411.9
	TERRAPLEN	2.146	22.77	1712.5	VEGETAL	3.151	31.83	2781.5
	FIRME	5.030	50.22	4626.7	D TIERRA	2.565	25.33	3465.6
	SUELO EST2	2.749	27.35	2430.2	SUELO EST1	2.720	27.05	2438.9
	TERRAPLEN	2.981	25.69	1738.2	VEGETAL	3.211	31.82	2813.3

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 10

PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
880.000	FIRME	5.034	50.32	4677.0	D TIERRA	2.505	25.33	3491.0
890.000	SUELO EST2	2.967	28.58	2458.8	SUELO EST1	2.830	27.75	2466.7
	TERRAPLEN	1.443	22.16	1760.4	VEGETAL	3.250	32.32	2845.6
	FIRME	5.034	50.34	4727.4	D TIERRA	2.475	24.89	3515.9
900.000	SUELO EST2	2.941	29.54	2488.3	SUELO EST1	2.830	28.30	2495.0
	TERRAPLEN	0.920	11.84	1772.2	VEGETAL	3.158	32.05	2877.7
	FIRME	5.034	50.34	4777.7	D TIERRA	2.691	25.83	3541.7
910.000	SUELO EST2	2.911	29.26	2517.6	SUELO EST1	2.828	28.29	2523.2
	TERRAPLEN	0.547	7.35	1779.5	VEGETAL	3.087	31.23	2908.9
	FIRME	5.034	50.34	4828.1	D TIERRA	2.702	26.97	3568.7
920.000	SUELO EST2	2.880	28.95	2546.6	SUELO EST1	2.819	28.23	2551.5
	TERRAPLEN	0.129	3.39	1782.9	VEGETAL	2.971	30.29	2939.2
	FIRME	5.034	50.34	4878.4	D TIERRA	2.342	25.23	3593.9
930.000	SUELO EST2	2.682	27.81	2574.4	SUELO EST1	2.779	27.99	2579.5
	TERRAPLEN	0.056	0.93	1783.9	VEGETAL	2.817	28.94	2968.1
	FIRME	5.034	50.34	4928.7	D TIERRA	1.948	21.46	3615.4
940.000	SUELO EST2	2.579	26.31	2600.7	SUELO EST1	2.699	27.39	2606.9
	TERRAPLEN	0.061	0.58	1784.4	VEGETAL	2.753	27.85	2996.0
	FIRME	5.032	50.33	4979.1	D TIERRA	1.896	19.22	3634.6
950.000	SUELO EST2	2.622	26.00	2626.7	SUELO EST1	2.719	27.09	2634.0
	TERRAPLEN	0.055	0.58	1785.0	VEGETAL	2.774	27.64	3023.6
	FIRME	5.032	50.32	5029.4	D TIERRA	1.941	19.18	3653.7
960.000	SUELO EST2	2.642	26.32	2653.0	SUELO EST1	2.727	27.23	2661.2
	TERRAPLEN	0.055	0.55	1785.6	VEGETAL	2.786	27.80	3051.4
	FIRME	5.031	50.31	5079.7	D TIERRA	2.153	20.47	3674.2
970.000	SUELO EST2	2.607	26.25	2679.2	SUELO EST1	2.709	27.18	2688.4
	TERRAPLEN	0.052	0.53	1786.1	VEGETAL	2.763	27.75	3079.2
	FIRME	5.027	50.29	5130.0	D TIERRA	2.330	22.41	3696.6
980.000	SUELO EST2	2.598	26.03	2705.3	SUELO EST1	2.699	27.04	2715.4
	TERRAPLEN	0.046	0.49	1786.6	VEGETAL	2.753	27.58	3106.8
	FIRME	5.022	50.25	5180.2	D TIERRA	2.604	24.66	3721.3
990.000	SUELO EST2	2.569	25.84	2731.1	SUELO EST1	2.679	26.89	2742.3
	TERRAPLEN	0.042	0.44	1787.0	VEGETAL	2.731	27.42	3134.2
	FIRME	5.015	50.19	5230.4	D TIERRA	2.912	27.57	3748.9
	SUELO EST2	2.537	25.53	2756.6	SUELO EST1	2.654	26.67	2769.0
	TERRAPLEN	0.038	0.40	1787.4	VEGETAL	2.707	27.19	3161.4

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 11

PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1000.000	FIRME	5.006	50.11	5280.5	D TIERRA	3.232	30.71	3779.6
1010.000	SUELO EST2	2.502	25.20	2781.8	SUELO EST1	2.625	26.40	2795.4
	TERRAPLEN	0.035	0.36	1787.8	VEGETAL	2.681	26.94	3188.3
	FIRME	4.996	50.01	5330.6	D TIERRA	3.562	33.96	3813.5
1020.000	SUELO EST2	2.465	24.84	2806.7	SUELO EST1	2.590	26.08	2821.4
	TERRAPLEN	0.033	0.34	1788.1	VEGETAL	2.653	26.67	3215.0
	FIRME	4.999	49.98	5380.5	D TIERRA	3.340	34.50	3848.0
1030.000	SUELO EST2	2.494	24.79	2831.5	SUELO EST1	2.617	26.04	2847.5
	TERRAPLEN	0.033	0.33	1788.5	VEGETAL	2.672	26.63	3241.6
	FIRME	5.002	50.00	5430.5	D TIERRA	3.171	32.55	3880.6
1040.000	SUELO EST2	2.515	25.05	2856.5	SUELO EST1	2.633	26.25	2873.7
	TERRAPLEN	0.034	0.34	1788.8	VEGETAL	2.686	26.79	3268.4
	FIRME	5.007	50.04	5480.6	D TIERRA	3.001	30.85	3911.4
1050.000	SUELO EST2	2.533	25.24	2881.8	SUELO EST1	2.648	26.41	2900.1
	TERRAPLEN	0.035	0.34	1789.1	VEGETAL	2.700	26.93	3295.3
	FIRME	5.011	50.09	5530.7	D TIERRA	2.916	29.58	3941.0
1053.386	SUELO EST2	2.540	25.37	2907.1	SUELO EST1	2.655	26.51	2926.7
	TERRAPLEN	0.036	0.36	1789.5	VEGETAL	2.706	27.03	3322.3
	FIRME	5.013	16.97	5547.6	D TIERRA	2.879	9.81	3950.8

1060.000	SUELO EST2	2.544	8.61	2915.7	SUELO EST1	2.658	8.99	2935.6
	TERRAPLEN	0.037	0.12	1789.6	VEGETAL	2.710	9.17	3331.5
	FIRME	5.018	33.17	5580.8	D TIERRA	2.731	18.55	3969.4
1070.000	SUELO EST2	2.558	16.87	2932.6	SUELO EST1	2.669	17.62	2953.3
	TERRAPLEN	0.039	0.25	1789.9	VEGETAL	2.721	17.96	3349.5
	FIRME	5.023	50.21	5631.0	D TIERRA	2.627	26.79	3996.2
1080.000	SUELO EST2	2.565	25.61	2958.2	SUELO EST1	2.677	26.73	2980.0
	TERRAPLEN	0.042	0.41	1790.3	VEGETAL	2.729	27.25	3376.7
	FIRME	5.024	50.24	5681.2	D TIERRA	2.719	26.73	4022.9
1090.000	SUELO EST2	2.551	25.58	2983.8	SUELO EST1	2.669	26.73	3006.7
	TERRAPLEN	0.043	0.43	1790.7	VEGETAL	2.722	27.25	3404.0
	FIRME	5.031	50.28	5731.5	D TIERRA	2.377	25.48	4048.4
1100.000	SUELO EST2	2.582	25.67	3009.5	SUELO EST1	2.697	26.83	3033.6
	TERRAPLEN	0.052	0.48	1791.2	VEGETAL	2.749	27.35	3431.3
	FIRME	5.034	50.32	5781.8	D TIERRA	1.987	21.82	4070.2
	SUELO EST2	2.620	26.01	3035.5	SUELO EST1	2.726	27.11	3060.7
	TERRAPLEN	0.063	0.58	1791.8	VEGETAL	2.779	27.64	3459.0

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 12

PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1110.000	FIRME	5.034	50.34	5832.2	D TIERRA	1.725	18.56	4088.8
	SUELO EST2	2.655	26.38	3061.9	SUELO EST1	2.749	27.38	3088.8
	TERRAPLEN	0.062	0.63	1792.4	VEGETAL	2.799	27.89	3486.9
1120.000	FIRME	5.034	50.34	5882.5	D TIERRA	1.384	15.55	4104.3
	SUELO EST2	2.697	26.76	3088.6	SUELO EST1	2.770	27.60	3115.6
	TERRAPLEN	0.062	0.62	1793.0	VEGETAL	2.824	28.11	3515.0
1130.000	FIRME	5.034	50.34	5932.9	D TIERRA	0.949	11.67	4116.0
	SUELO EST2	2.749	27.23	3115.9	SUELO EST1	2.792	27.81	3143.5
	TERRAPLEN	0.062	0.62	1793.6	VEGETAL	2.855	28.39	3543.4
1140.000	FIRME	5.034	50.34	5983.2	D TIERRA	0.545	7.47	4123.4
	SUELO EST2	2.801	27.75	3143.6	SUELO EST1	2.808	28.00	3171.4
	TERRAPLEN	0.104	0.83	1794.5	VEGETAL	2.887	28.71	3572.1
1144.383	FIRME	5.034	22.06	6005.3	D TIERRA	0.429	2.13	4125.6
	SUELO EST2	2.817	12.31	3155.9	SUELO EST1	2.813	12.32	3183.8
	TERRAPLEN	0.144	0.54	1795.0	VEGETAL	2.898	12.68	3584.7
1150.000	FIRME	5.045	28.31	6033.6	D TIERRA	0.327	2.12	4127.7
	SUELO EST2	2.843	15.90	3171.8	SUELO EST1	2.819	15.82	3199.6
	TERRAPLEN	0.308	1.27	1796.3	VEGETAL	2.920	16.34	3601.1
1160.000	FIRME	5.066	50.55	6084.1	D TIERRA	0.188	2.57	4130.3
	SUELO EST2	2.884	28.64	3200.5	SUELO EST1	2.831	28.25	3227.8
	TERRAPLEN	0.805	5.58	1801.9	VEGETAL	2.969	29.45	3630.5
1170.000	FIRME	5.088	50.76	6134.9	D TIERRA	0.158	1.72	4132.0
	SUELO EST2	2.893	28.89	3229.3	SUELO EST1	2.840	28.35	3256.2
	TERRAPLEN	1.273	10.43	1812.3	VEGETAL	3.007	29.89	3660.4
1180.000	FIRME	5.099	50.92	6185.8	D TIERRA	0.097	1.26	4133.3
	SUELO EST2	2.908	29.01	3258.4	SUELO EST1	2.851	28.45	3284.6
	TERRAPLEN	1.971	16.31	1828.6	VEGETAL	3.058	30.34	3690.8
1190.000	FIRME	5.108	51.02	6236.8	D TIERRA	0.051	0.73	4134.0
	SUELO EST2	2.925	29.17	3287.5	SUELO EST1	2.862	28.56	3313.2
	TERRAPLEN	2.779	23.92	1852.5	VEGETAL	3.113	30.88	3721.6
1200.000	FIRME	5.118	51.10	6287.9	D TIERRA	0.018	0.34	4134.3
	SUELO EST2	2.948	29.37	3316.9	SUELO EST1	2.874	28.67	3341.9
	TERRAPLEN	3.709	32.72	1885.3	VEGETAL	3.173	31.46	3753.1
1210.000	FIRME	5.127	51.18	6339.1	D TIERRA	0.007	0.13	4134.5
	SUELO EST2	2.963	29.55	3346.4	SUELO EST1	2.884	28.77	3370.6
	TERRAPLEN	4.530	41.60	1926.9	VEGETAL	3.224	32.02	3785.5

1280.000	EXCAVA SANE0	16.515	22.10	2097.0	TERRAP SANE0	16.515	22.10	2097.0
	VEGETAL	3.441	4.60	3986.5				
	FIRME	5.124	51.23	6697.9	SUELO EST2	3.070	30.71	3559.7
1290.000	SUELO EST1	2.881	28.83	3572.7	TERRAPLEN	10.849	100.61	2475.2
	EXCAVA SANE0	16.915	167.14	2264.2	TERRAP SANE0	16.915	167.14	2264.2
	VEGETAL	3.525	34.82	4021.3				
	FIRME	5.119	51.18	6749.1	SUELO EST2	3.064	30.65	3590.4
	SUELO EST1	2.875	28.76	3601.4	TERRAPLEN	13.482	121.64	2596.8
	EXCAVA SANE0	17.353	171.29	2435.5	TERRAP SANE0	17.353	171.29	2435.5
	VEGETAL	3.616	35.69	4057.0				

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 14
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1300.000	FIRME	5.111	51.13	6800.2	SUELO EST2	3.056	30.59	3620.9
	SUELO EST1	2.868	28.70	3630.1	TERRAPLEN	17.001	152.46	2749.3
	EXCAVA SANE0	17.963	176.53	2612.0	TERRAP SANE0	17.963	176.53	2612.0
1310.000	VEGETAL	3.743	36.78	4093.8				
	FIRME	5.088	50.98	6851.2	SUELO EST2	3.044	30.49	3651.4
	SUELO EST1	2.857	28.62	3658.7	TERRAPLEN	19.708	183.67	2932.9
1320.000	EXCAVA SANE0	19.042	185.04	2797.0	TERRAP SANE0	19.042	185.04	2797.0
	VEGETAL	3.967	38.55	4132.3				
	FIRME	5.067	50.77	6902.0	SUELO EST2	3.034	30.39	3681.8
1330.000	SUELO EST1	2.846	28.51	3687.2	TERRAPLEN	21.685	207.06	3140.0
	EXCAVA SANE0	19.433	192.41	2989.4	TERRAP SANE0	19.433	192.41	2989.4
	VEGETAL	4.049	40.09	4172.4				
1338.105	FIRME	5.047	50.57	6952.5	SUELO EST2	3.024	30.29	3712.1
	SUELO EST1	2.836	28.41	3715.7	TERRAPLEN	23.843	227.67	3367.7
	EXCAVA SANE0	19.855	196.45	3185.9	TERRAP SANE0	19.855	196.45	3185.9
1340.000	VEGETAL	4.136	40.93	4213.3				
	FIRME	5.031	40.84	6993.4	SUELO EST2	3.016	24.48	3736.6
	SUELO EST1	2.829	22.96	3738.6	TERRAPLEN	27.498	208.06	3575.7
1350.000	EXCAVA SANE0	20.577	163.85	3349.7	TERRAP SANE0	20.577	163.85	3349.7
	VEGETAL	4.287	34.13	4247.5				
	FIRME	5.035	9.54	7002.9	SUELO EST2	3.018	5.72	3742.3
1360.000	SUELO EST1	2.830	5.36	3744.0	TERRAPLEN	27.926	52.51	3628.2
	EXCAVA SANE0	20.670	39.08	3388.8	TERRAP SANE0	20.670	39.08	3388.8
	VEGETAL	4.306	8.14	4255.6				
1370.000	FIRME	5.056	50.45	7053.4	SUELO EST2	3.029	30.23	3772.5
	SUELO EST1	2.841	28.35	3772.3	TERRAPLEN	30.258	290.92	3919.2
	EXCAVA SANE0	21.164	209.17	3598.0	TERRAP SANE0	21.164	209.17	3598.0
	VEGETAL	4.410	43.58	4299.2				
	FIRME	5.079	50.67	7104.0	SUELO EST2	3.040	30.34	3802.9
	SUELO EST1	2.852	28.46	3800.8	TERRAPLEN	32.635	314.53	4233.7
	EXCAVA SANE0	21.656	214.12	3812.1	TERRAP SANE0	21.656	214.12	3812.1
	VEGETAL	4.512	44.61	4343.8				
	FIRME	5.104	50.90	7154.9	SUELO EST2	3.052	30.45	3833.3
	SUELO EST1	2.864	28.58	3829.4	TERRAPLEN	35.945	343.08	4576.8
	EXCAVA SANE0	22.313	219.90	4032.0	TERRAP SANE0	22.313	219.90	4032.0
	VEGETAL	4.649	45.81	4389.6				

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 15
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1380.000	FIRME	5.113	51.06	7206.0	SUELO EST2	3.061	30.55	3863.9
	SUELO EST1	2.872	28.67	3858.0	TERRAPLEN	38.312	371.64	4948.4
	EXCAVA SANE0	22.763	225.49	4257.5	TERRAP SANE0	22.763	225.49	4257.5
1390.000	VEGETAL	4.744	46.98	4436.6				
	FIRME	5.118	51.12	7257.1	SUELO EST2	3.068	30.62	3894.5
	SUELO EST1	2.879	28.74	3886.8	TERRAPLEN	40.746	395.92	5344.3
1398.105	EXCAVA SANE0	23.214	230.08	4487.6	TERRAP SANE0	23.214	230.08	4487.6
	VEGETAL	4.837	47.94	4484.5				
	FIRME	5.122	41.47	7298.6	SUELO EST2	3.074	24.87	3919.4
1400.000	SUELO EST1	2.886	23.35	3910.1	TERRAPLEN	43.037	340.30	5684.6
	EXCAVA SANE0	23.627	190.06	4677.6	TERRAP SANE0	23.627	190.06	4677.6
	VEGETAL	4.923	39.60	4524.1				
1410.000	FIRME	5.122	9.70	7308.3	SUELO EST2	3.074	5.82	3925.2
	SUELO EST1	2.885	5.46	3915.6	TERRAPLEN	43.366	82.08	5766.7
	EXCAVA SANE0	23.686	44.89	4722.5	TERRAP SANE0	23.686	44.89	4722.5
1420.000	VEGETAL	4.935	9.35	4533.5				
	FIRME	5.122	51.18	7359.5	SUELO EST2	3.074	30.71	3955.9
	SUELO EST1	2.885	28.83	3944.4	TERRAPLEN	43.688	436.44	6203.1
1430.000	EXCAVA SANE0	23.706	237.34	4959.9	TERRAP SANE0	23.706	237.34	4959.9
	VEGETAL	4.939	49.45	4582.9				
	FIRME	5.122	51.18	7410.6	SUELO EST2	3.074	30.71	3986.6
1433.600	SUELO EST1	2.885	28.83	3973.2	TERRAPLEN	53.084	485.25	6688.4
	EXCAVA SANE0	24.921	243.53	5203.4	TERRAP SANE0	24.921	243.53	5203.4
	VEGETAL	5.192	50.74	4633.7				
	FIRME	5.122	51.18	7461.8	SUELO EST2	3.074	30.71	4017.3
	SUELO EST1	2.885	28.83	4002.1	TERRAPLEN	35.035	442.70	7131.1
	EXCAVA SANE0	22.739	239.02	5442.4	TERRAP SANE0	22.739	239.02	5442.4
	VEGETAL	4.738	49.80	4683.5				
	FIRME	5.122	18.42	7480.2	SUELO EST2	3.074	11.06	4028.4
	SUELO EST1	2.885	10.38	4012.4	TERRAPLEN	30.030	117.75	7248.8
	EXCAVA SANE0	21.219	79.37	5521.8	TERRAP SANE0	21.219	79.37	5521.8
	VEGETAL	4.421	16.54	4700.0				

1440.000	FIRME	5.118	32.74	7513.0	SUELO EST2	3.069	19.64	4048.0
	SUELO EST1	2.880	18.43	4030.9	TERRAPLEN	32.963	201.96	7450.8
	EXCAVA SANE0	22.302	139.35	5661.2	TERRAP SANE0	22.302	139.35	5661.2
	VEGETAL	4.647	29.03	4729.0				

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 16
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1450.000	FIRME	5.113	51.12	7564.1	SUELO EST2	3.062	30.63	4078.7
	SUELO EST1	2.873	28.75	4059.6	TERRAPLEN	52.600	428.35	7879.2
	EXCAVA SANE0	25.243	237.83	5899.0	TERRAP SANE0	25.243	237.83	5899.0
1460.000	VEGETAL	5.260	49.55	4778.6				
	FIRME	5.108	51.08	7615.2	SUELO EST2	3.054	30.56	4109.2
	SUELO EST1	2.866	28.69	4088.3	TERRAPLEN	55.284	539.96	8419.1
1470.000	EXCAVA SANE0	25.673	254.73	6153.7	TERRAP SANE0	25.673	254.73	6153.7
	VEGETAL	5.349	53.08	4831.7				
	FIRME	5.084	50.95	7666.1	SUELO EST2	3.043	30.48	4139.7
1480.000	SUELO EST1	2.854	28.60	4116.9	TERRAPLEN	57.392	563.68	8982.8
	EXCAVA SANE0	25.987	258.38	6412.1	TERRAP SANE0	25.987	258.38	6412.1
	VEGETAL	5.415	53.83	4885.5				
1490.000	FIRME	5.111	50.97	7717.1	SUELO EST2	3.055	30.48	4170.2
	SUELO EST1	2.868	28.61	4145.5	TERRAPLEN	54.672	560.25	9543.1
	EXCAVA SANE0	25.559	257.70	6669.8	TERRAP SANE0	25.559	257.70	6669.8
1493.600	VEGETAL	5.325	53.69	4939.2				
	FIRME	5.541	53.25	7770.3	SUELO EST2	3.272	31.63	4201.8
	SUELO EST1	3.083	29.75	4175.3	TERRAPLEN	58.120	563.83	10106.9
1500.000	EXCAVA SANE0	26.777	261.62	6931.4	TERRAP SANE0	26.777	261.62	6931.4
	VEGETAL	5.579	54.51	4993.7				
	FIRME	5.844	20.49	7790.8	SUELO EST2	3.423	12.05	4213.9
1509.825	SUELO EST1	3.235	11.37	4186.6	TERRAPLEN	62.378	216.88	10323.8
	EXCAVA SANE0	27.819	98.27	7029.7	TERRAP SANE0	27.819	98.27	7029.7
	VEGETAL	5.796	20.47	5014.2				
	FIRME	7.445	42.52	7833.4	SUELO EST2	4.223	24.47	4238.3
	SUELO EST1	4.035	23.26	4209.9	TERRAPLEN	79.043	452.55	10776.3
	EXCAVA SANE0	32.462	192.90	7222.6	TERRAP SANE0	32.462	192.90	7222.6
	VEGETAL	6.763	40.19	5054.4				
	FIRME	14.239	106.52	7939.9	SUELO EST2	7.620	58.17	4296.5
	SUELO EST1	7.433	56.34	4266.2	TERRAPLEN	144.098	1096.18	11872.5
	EXCAVA SANE0	50.230	406.23	7628.8	TERRAP SANE0	50.230	406.23	7628.8
	VEGETAL	10.463	84.62	5139.0				

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 17
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
	MATERIAL			VOLUMEN				
	FIRME			7939.9				
	D TIERRA			4134.5				
	SUELO EST2			4296.5				
	SUELO EST1			4266.2				
	TERRAPLEN			11872.5				
	EXCAVA SANE0			7628.8				
	TERRAP SANE0			7628.8				
	VEGETAL			5139.0				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 1
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

70.000	SUELO EST1	3.440	34.38	236.0	TERRAPLEN	83.299	862.39	5768.2
	EXCAVA SANE0	31.304	317.68	2056.0	TERRAP SANE0	31.304	317.68	2056.0
	VEGETAL	6.522	66.19	428.3				
80.000	FIRME	6.229	62.22	496.5	SUELO EST2	3.627	36.22	283.5
	SUELO EST1	3.439	34.34	270.3	TERRAPLEN	79.040	817.00	6585.2
	EXCAVA SANE0	30.718	311.60	2367.6	TERRAP SANE0	30.718	311.60	2367.6
	VEGETAL	6.400	64.92	493.3				
	FIRME	6.229	62.19	558.7	SUELO EST2	3.628	36.21	319.7
	SUELO EST1	3.438	34.33	304.7	TERRAPLEN	64.787	724.00	7309.2
	EXCAVA SANE0	28.705	298.51	2666.1	TERRAP SANE0	28.705	298.51	2666.1
	VEGETAL	5.980	62.19	555.4				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 2
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * ***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	6.229	62.19	620.9	SUELO EST2	3.628	36.21	355.9
	SUELO EST1	3.438	34.33	339.0	TERRAPLEN	52.654	591.11	7900.3
	EXCAVA SANE0	26.878	279.06	2945.2	TERRAP SANE0	26.878	279.06	2945.2
100.000	VEGETAL	5.600	58.14	613.6				
	FIRME	6.229	62.19	683.1	SUELO EST2	3.628	36.21	392.1
	SUELO EST1	3.439	34.34	373.3	TERRAPLEN	45.821	495.78	8396.1
110.000	EXCAVA SANE0	0.000	134.91	3080.1	TERRAP SANE0	0.000	134.91	3080.1
	VEGETAL	5.396	55.20	668.8				
	FIRME	6.234	62.22	745.3	SUELO EST2	3.629	36.22	428.3
120.000	SUELO EST1	3.440	34.34	407.7	TERRAPLEN	43.395	449.46	8845.6
	VEGETAL	5.284	53.63	722.4				
	FIRME	6.251	62.35	807.6	SUELO EST2	3.631	36.25	464.6
130.000	SUELO EST1	3.443	34.37	442.0	TERRAPLEN	40.897	424.20	9269.8
	VEGETAL	5.226	52.77	775.2				
	FIRME	6.268	62.54	870.2	SUELO EST2	3.635	36.30	500.9
140.000	SUELO EST1	3.446	34.42	476.5	TERRAPLEN	37.128	391.96	9661.7
	VEGETAL	5.087	51.72	826.9				
	FIRME	6.264	62.63	932.8	SUELO EST2	3.632	36.31	537.2
150.000	SUELO EST1	3.444	34.44	510.9	TERRAPLEN	35.637	364.94	10026.7
	VEGETAL	5.035	50.70	877.6				
	FIRME	6.261	62.61	995.4	SUELO EST2	3.631	36.31	573.5
160.000	SUELO EST1	3.443	34.43	545.3	TERRAPLEN	36.691	362.03	10388.7
	VEGETAL	5.073	50.57	928.2				
	FIRME	6.259	62.60	1058.0	SUELO EST2	3.630	36.31	609.8
170.000	SUELO EST1	3.442	34.43	579.8	TERRAPLEN	33.969	353.35	10742.0
	VEGETAL	5.029	50.51	978.7				
	FIRME	6.260	62.59	1120.6	SUELO EST2	3.630	36.30	646.1
180.000	SUELO EST1	3.443	34.43	614.2	TERRAPLEN	30.619	322.93	11065.0
	VEGETAL	4.875	49.52	1028.2				
	FIRME	6.262	62.60	1183.2	SUELO EST2	3.632	36.30	682.4
190.000	SUELO EST1	3.443	34.43	648.6	TERRAPLEN	29.356	299.90	11364.9
	VEGETAL	4.803	48.39	1076.6				
	FIRME	6.266	62.62	1245.8	SUELO EST2	3.633	36.31	718.7
200.000	SUELO EST1	3.446	34.44	683.1	TERRAPLEN	24.079	267.49	11632.4
	VEGETAL	4.601	47.04	1123.6				
	FIRME	6.258	62.58	1308.4	SUELO EST2	3.632	36.30	755.0
	SUELO EST1	3.445	34.43	717.5	TERRAPLEN	19.341	217.78	11850.1
	VEGETAL	4.407	45.08	1168.7				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 3
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * ***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
210.000	FIRME	6.241	62.43	1370.8	SUELO EST2	3.630	36.27	791.3
	SUELO EST1	3.441	34.39	751.9	TERRAPLEN	17.238	184.05	12034.2
	VEGETAL	4.307	43.65	1212.4				
220.000	FIRME	6.229	62.26	1433.1	SUELO EST2	3.627	36.23	827.5
	SUELO EST1	3.439	34.35	786.2	TERRAPLEN	12.443	150.05	12184.2
	VEGETAL	4.088	42.10	1254.5				
230.000	FIRME	6.229	62.19	1495.3	D TIERRA	0.003	0.01	0.0
	SUELO EST2	3.523	35.71	863.2	SUELO EST1	3.437	34.33	820.6
	TERRAPLEN	7.094	99.38	12283.6	VEGETAL	3.860	39.88	1294.4
240.000	FIRME	6.229	62.19	1557.5	D TIERRA	0.194	0.94	1.0
	SUELO EST2	3.412	34.70	897.9	SUELO EST1	3.383	34.06	854.6
	TERRAPLEN	4.484	59.37	12343.0	VEGETAL	3.732	38.11	1332.5
250.000	FIRME	6.217	62.13	1619.6	D TIERRA	0.943	5.47	6.4
	SUELO EST2	3.331	33.79	931.7	SUELO EST1	3.305	33.44	888.1
	TERRAPLEN	5.669	52.80	12395.8	VEGETAL	4.159	39.80	1372.3
260.000	FIRME	6.177	61.88	1681.5	D TIERRA	1.467	11.66	18.1
	SUELO EST2	3.283	33.17	964.9	SUELO EST1	3.257	32.84	920.9
	TERRAPLEN	8.024	71.72	12467.5	VEGETAL	3.989	41.22	1413.5
270.000	FIRME	6.131	61.48	1743.0	D TIERRA	1.907	16.46	34.5
	SUELO EST2	3.250	32.77	997.7	SUELO EST1	3.223	32.44	953.3
	TERRAPLEN	8.921	87.97	12555.5	VEGETAL	3.848	39.54	1453.0
280.000	FIRME	6.073	60.99	1803.9	D TIERRA	2.073	19.54	54.1
	SUELO EST2	3.210	32.39	1030.1	SUELO EST1	3.182	32.06	985.4
	TERRAPLEN	9.384	94.01	12649.5	VEGETAL	3.740	38.19	1491.2
290.000	FIRME	6.052	60.61	1864.6	D TIERRA	1.465	17.44	71.5
	SUELO EST2	3.203	32.13	1062.2	SUELO EST1	3.175	31.82	1017.2
	TERRAPLEN	9.704	97.18	12746.7	VEGETAL	3.709	37.41	1528.6
300.000	FIRME	6.044	60.47	1925.0	D TIERRA	0.843	11.42	83.0
	SUELO EST2	3.221	32.16	1094.4	SUELO EST1	3.191	31.85	1049.1

310.000	TERRAPLEN	9.550	97.30	12844.0	VEGETAL	3.706	37.17	1565.8
	FIRME	6.036	60.40	1985.4	D TIERRA	0.340	5.89	88.8
	SUELO EST2	3.296	32.60	1127.0	SUELO EST1	3.266	32.29	1081.3
320.000	TERRAPLEN	8.989	93.08	12937.1	VEGETAL	3.735	37.24	1603.0
	FIRME	6.036	60.36	2045.8	D TIERRA	0.418	3.78	92.6
	SUELO EST2	3.345	33.21	1160.2	SUELO EST1	3.303	32.85	1114.2
	TERRAPLEN	8.663	88.42	13025.5	VEGETAL	3.754	37.46	1640.5

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 4
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * ***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
330.000	FIRME	6.036	60.36	2106.2	D TIERRA	0.738	5.78	98.4
	SUELO EST2	3.313	33.30	1193.5	SUELO EST1	3.281	32.92	1147.1
	TERRAPLEN	8.407	85.50	13111.0	VEGETAL	3.731	37.44	1677.9
340.000	FIRME	6.036	60.36	2166.5	D TIERRA	1.194	9.65	108.0
	SUELO EST2	3.270	32.92	1226.4	SUELO EST1	3.242	32.62	1179.7
	TERRAPLEN	7.832	81.35	13192.3	VEGETAL	3.708	37.21	1715.1
350.000	FIRME	6.029	60.32	2226.8	D TIERRA	1.683	14.37	122.4
	SUELO EST2	3.243	32.57	1259.0	SUELO EST1	3.213	32.28	1212.0
	TERRAPLEN	7.404	76.33	13268.6	VEGETAL	3.688	37.00	1752.1
360.000	FIRME	6.013	60.21	2287.0	D TIERRA	2.307	19.93	142.3
	SUELO EST2	3.214	32.29	1291.2	SUELO EST1	3.184	31.99	1244.0
	TERRAPLEN	7.499	74.67	13343.3	VEGETAL	3.679	36.85	1789.0
370.000	FIRME	5.991	60.02	2347.1	D TIERRA	2.899	26.00	168.3
	SUELO EST2	3.186	32.01	1323.2	SUELO EST1	3.157	31.71	1275.7
	TERRAPLEN	8.096	78.14	13421.5	VEGETAL	3.681	36.82	1825.8
380.000	FIRME	5.980	59.85	2406.9	D TIERRA	3.179	30.36	198.7
	SUELO EST2	3.175	31.81	1355.1	SUELO EST1	3.146	31.52	1307.2
	TERRAPLEN	7.963	80.47	13501.9	VEGETAL	3.662	36.73	1862.5
390.000	FIRME	5.968	59.74	2466.7	D TIERRA	3.248	32.10	230.8
	SUELO EST2	3.165	31.71	1386.8	SUELO EST1	3.137	31.42	1338.6
	TERRAPLEN	7.736	78.67	13580.6	VEGETAL	3.673	36.69	1899.2
400.000	FIRME	6.123	60.45	2527.1	D TIERRA	3.513	33.77	264.6
	SUELO EST2	3.221	31.94	1418.7	SUELO EST1	3.191	31.64	1370.3
	TERRAPLEN	7.514	76.42	13657.0	VEGETAL	3.864	37.70	1936.9
410.000	FIRME	5.963	60.43	2587.5	D TIERRA	3.071	32.89	297.5
	SUELO EST2	3.161	31.92	1450.6	SUELO EST1	3.133	31.62	1401.9
	TERRAPLEN	6.999	72.74	13729.8	VEGETAL	3.726	37.97	1974.9
420.000	FIRME	6.036	60.00	2647.5	D TIERRA	2.460	27.63	325.1
	SUELO EST2	3.313	32.38	1483.0	SUELO EST1	3.280	32.07	1434.0
	TERRAPLEN	6.665	68.49	13798.2	VEGETAL	3.876	38.03	2012.9
430.000	FIRME	6.036	60.36	2707.9	D TIERRA	1.610	20.33	345.4
	SUELO EST2	3.447	33.80	1516.8	SUELO EST1	3.331	33.06	1467.0
	TERRAPLEN	6.507	66.02	13864.3	VEGETAL	3.984	39.31	2052.2
440.000	FIRME	6.036	60.36	2768.3	D TIERRA	0.334	9.72	355.1
	SUELO EST2	3.401	34.24	1551.0	SUELO EST1	3.326	33.29	1500.3
	TERRAPLEN	5.985	62.62	13926.9	VEGETAL	4.019	40.03	2092.3

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 5
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****
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1060.000	SUELO EST2	3.417	34.08	3597.1	SUELO EST1	3.352	33.48	3502.6
	TERRAPLEN	8.304	87.62	17650.0	VEGETAL	3.602	36.39	4352.4
	FIRME	6.114	61.14	6518.5	D TIERRA	0.000	0.95	1005.8
1070.000	SUELO EST2	3.475	34.46	3631.6	SUELO EST1	3.364	33.58	3536.2
	TERRAPLEN	6.632	74.68	17724.6	VEGETAL	3.517	35.60	4388.0
	FIRME	6.189	61.52	6580.1	D TIERRA	4.437	22.19	1028.0
1080.000	SUELO EST2	3.252	33.64	3665.2	SUELO EST1	3.217	32.91	3569.1
	TERRAPLEN	0.857	37.44	17762.1	VEGETAL	3.872	36.95	4425.0
	FIRME	6.197	61.93	6642.0	D TIERRA	4.845	46.41	1074.4
1090.000	SUELO EST2	3.256	32.54	3697.8	SUELO EST1	3.222	32.20	3601.3
	TERRAPLEN	2.536	16.96	17779.1	VEGETAL	3.874	38.73	4463.7
	FIRME	6.144	61.71	6703.7	D TIERRA	4.982	49.14	1123.5
1100.000	SUELO EST2	2.937	30.96	3728.7	SUELO EST1	3.060	31.41	3632.7
	TERRAPLEN	0.038	12.87	17791.9	VEGETAL	3.221	35.48	4499.2
	FIRME	6.064	61.04	6764.7	D TIERRA	2.599	37.91	1161.4
1110.000	SUELO EST2	3.219	30.78	3759.5	SUELO EST1	3.185	31.22	3664.0
	TERRAPLEN	0.848	4.43	17796.4	VEGETAL	3.460	33.41	4532.6
	FIRME	6.055	60.60	6825.3	D TIERRA	1.889	22.44	1183.9
1120.000	SUELO EST2	3.212	32.16	3791.7	SUELO EST1	3.176	31.81	3695.8
	TERRAPLEN	3.184	20.16	17816.5	VEGETAL	3.547	35.03	4567.6
	FIRME	6.091	60.73	6886.1	D TIERRA	1.433	16.61	1200.5
1130.000	SUELO EST2	3.252	32.32	3824.0	SUELO EST1	3.216	31.96	3727.7
	TERRAPLEN	4.759	39.71	17856.2	VEGETAL	3.718	36.32	4603.9
	FIRME	6.077	60.84	6946.9	D TIERRA	1.899	16.66	1217.1
1140.000	SUELO EST2	3.233	32.42	3856.4	SUELO EST1	3.198	32.07	3759.8
	TERRAPLEN	8.245	65.02	17921.3	VEGETAL	3.899	38.09	4642.0
	FIRME	6.067	60.72	7007.6	D TIERRA	3.061	24.80	1241.9
1150.000	SUELO EST2	3.222	32.27	3888.7	SUELO EST1	3.188	31.93	3791.7
	TERRAPLEN	4.101	61.73	17983.0	VEGETAL	4.120	40.09	4682.1
	FIRME	6.064	60.65	7068.3	D TIERRA	3.817	34.39	1276.3
1160.000	SUELO EST2	3.220	32.21	3920.9	SUELO EST1	3.184	31.86	3823.6
	TERRAPLEN	0.308	22.04	18005.0	VEGETAL	3.485	38.03	4720.1
	FIRME	6.112	60.88	7129.2	D TIERRA	5.000	44.09	1320.4
	SUELO EST2	3.114	31.67	3952.5	SUELO EST1	3.227	32.06	3855.6
	TERRAPLEN	0.045	1.77	18006.8	VEGETAL	3.280	33.83	4754.0

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 11

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1170.000	FIRME	6.080	60.96	7190.1	D TIERRA	2.370	36.85	1357.3
	SUELO EST2	3.236	31.75	3984.3	SUELO EST1	3.202	32.15	3887.8
	TERRAPLEN	1.249	6.47	18013.3	VEGETAL	3.677	34.78	4788.8
1180.000	FIRME	6.110	60.95	7251.1	D TIERRA	2.703	25.36	1382.6
	SUELO EST2	3.191	32.14	4016.4	SUELO EST1	3.252	32.27	3920.1
	TERRAPLEN	0.060	6.54	18019.8	VEGETAL	3.323	35.00	4823.8
1190.000	FIRME	6.093	61.01	7312.1	D TIERRA	2.537	26.20	1408.8
	SUELO EST2	2.991	30.91	4047.3	SUELO EST1	3.115	31.83	3951.9
	TERRAPLEN	0.246	1.53	18021.3	VEGETAL	3.181	32.52	4856.3
1200.000	FIRME	6.099	60.96	7373.0	D TIERRA	2.529	25.33	1434.1
	SUELO EST2	3.019	30.05	4077.4	SUELO EST1	3.143	31.29	3983.2
	TERRAPLEN	0.228	2.37	18023.7	VEGETAL	3.209	31.95	4888.2
1210.000	FIRME	6.174	61.36	7434.4	D TIERRA	2.054	22.92	1457.1
	SUELO EST2	3.234	31.26	4108.7	SUELO EST1	3.207	31.75	4014.9
	TERRAPLEN	0.494	3.61	18027.3	VEGETAL	3.450	33.29	4921.5
1220.000	FIRME	6.228	62.01	7496.4	D TIERRA	1.417	17.36	1474.4
	SUELO EST2	3.273	32.54	4141.2	SUELO EST1	3.240	32.23	4047.2
	TERRAPLEN	1.792	11.43	18038.7	VEGETAL	3.659	35.54	4957.1
1230.000	FIRME	6.114	61.71	7558.1	D TIERRA	0.486	9.51	1483.9
	SUELO EST2	3.332	33.03	4174.2	SUELO EST1	3.297	32.68	4079.8
	TERRAPLEN	3.185	24.88	18063.6	VEGETAL	3.626	36.43	4993.5
1240.000	FIRME	6.114	61.14	7619.2	D TIERRA	0.894	6.90	1490.8
	SUELO EST2	3.339	33.35	4207.6	SUELO EST1	3.303	33.00	4112.8
	TERRAPLEN	1.521	23.53	18087.1	VEGETAL	3.542	35.84	5029.3
1250.000	FIRME	6.114	61.14	7680.4	D TIERRA	1.132	10.13	1501.0
	SUELO EST2	3.308	33.24	4240.8	SUELO EST1	3.280	32.92	4145.8
	TERRAPLEN	1.019	12.70	18099.8	VEGETAL	3.429	34.86	5064.2
1260.000	FIRME	6.114	61.14	7741.5	D TIERRA	0.197	6.65	1507.6
	SUELO EST2	3.411	33.60	4274.4	SUELO EST1	3.350	33.15	4178.9
	TERRAPLEN	1.314	11.67	18111.5	VEGETAL	3.607	35.18	5099.4
1270.000	FIRME	6.114	61.14	7802.7	D TIERRA	0.578	3.88	1511.5
	SUELO EST2	3.343	33.77	4308.2	SUELO EST1	3.305	33.28	4212.2
	TERRAPLEN	1.719	15.17	18126.7	VEGETAL	3.560	35.84	5135.2
1280.000	FIRME	6.112	61.13	7863.8	D TIERRA	1.877	12.28	1523.8
	SUELO EST2	3.290	33.16	4341.3	SUELO EST1	3.261	32.83	4245.0
	TERRAPLEN	0.387	10.53	18137.2	VEGETAL	3.411	34.85	5170.1

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 12

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1290.000	FIRME	6.112	61.12	7924.9	D TIERRA	3.457	26.67	1550.4
	SUELO EST2	3.139	32.14	4373.5	SUELO EST1	3.243	32.52	4277.5
	TERRAPLEN	0.255	3.21	18140.4	VEGETAL	3.296	33.53	5203.6
1300.000	FIRME	6.108	61.10	7986.0	D TIERRA	3.692	35.75	1586.2
	SUELO EST2	3.034	30.86	4404.3	SUELO EST1	3.157	32.00	4309.5
	TERRAPLEN	0.105	1.80	18142.2	VEGETAL	3.223	32.59	5236.2
1310.000	FIRME	6.094	61.01	8047.0	D TIERRA	3.404	35.48	1621.7

1320.000	SUELO EST2	3.125	30.80	4435.1	SUELO EST1	3.213	31.85	4341.4
	TERRAPLEN	0.035	0.70	18142.9	VEGETAL	3.271	32.47	5268.7
	FIRME	6.096	60.95	8108.0	D TIERRA	3.871	36.38	1658.0
1330.000	SUELO EST2	3.016	30.70	4465.8	SUELO EST1	3.139	31.76	4373.1
	TERRAPLEN	0.084	0.59	18143.5	VEGETAL	3.205	32.38	5301.0
	FIRME	6.090	60.93	8168.9	D TIERRA	3.122	34.97	1693.0
1340.000	SUELO EST2	2.995	30.05	4495.9	SUELO EST1	3.118	31.29	4404.4
	TERRAPLEN	0.389	2.36	18145.9	VEGETAL	3.185	31.95	5333.0
	FIRME	6.064	60.77	8229.7	D TIERRA	2.932	30.27	1723.3
1350.000	SUELO EST2	3.002	29.99	4525.9	SUELO EST1	3.123	31.21	4435.6
	TERRAPLEN	0.245	3.17	18149.0	VEGETAL	3.181	31.83	5364.8
	FIRME	6.049	60.56	8290.2	D TIERRA	3.491	32.11	1755.4
1360.000	SUELO EST2	2.965	29.83	4555.7	SUELO EST1	3.088	31.05	4466.7
	TERRAPLEN	0.052	1.48	18150.5	VEGETAL	3.154	31.67	5396.5
	FIRME	6.110	60.79	8351.0	D TIERRA	3.076	32.83	1788.2
1370.000	SUELO EST2	3.135	30.50	4586.2	SUELO EST1	3.237	31.62	4498.3
	TERRAPLEN	0.047	0.49	18151.0	VEGETAL	3.290	32.22	5428.7
	FIRME	6.087	60.98	8412.0	D TIERRA	3.498	32.87	1821.1
1380.000	SUELO EST2	3.065	31.00	4617.2	SUELO EST1	3.178	32.07	4530.4
	TERRAPLEN	0.032	0.40	18151.4	VEGETAL	3.230	32.60	5461.3
	FIRME	6.074	60.80	8472.8	D TIERRA	3.996	37.47	1858.6
1390.000	SUELO EST2	3.032	30.48	4647.7	SUELO EST1	3.150	31.64	4562.0
	TERRAPLEN	0.031	0.32	18151.7	VEGETAL	3.204	32.17	5493.5
	FIRME	6.105	60.90	8533.7	D TIERRA	3.521	37.58	1896.1
1400.000	SUELO EST2	3.073	30.53	4678.2	SUELO EST1	3.193	31.71	4593.7
	TERRAPLEN	0.042	0.36	18152.1	VEGETAL	3.247	32.26	5525.7
	FIRME	6.114	61.10	8594.8	D TIERRA	3.244	33.83	1930.0
	SUELO EST2	3.125	30.99	4709.2	SUELO EST1	3.243	32.18	4625.9
	TERRAPLEN	0.061	0.51	18152.6	VEGETAL	3.293	32.70	5558.4

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 13

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1410.000	FIRME	6.111	61.13	8656.0	D TIERRA	2.618	29.31	1959.3
	SUELO EST2	3.065	30.95	4740.2	SUELO EST1	3.188	32.15	4658.1
	TERRAPLEN	0.219	1.40	18154.0	VEGETAL	3.249	32.71	5591.1
1420.000	FIRME	6.114	61.13	8717.1	D TIERRA	1.512	20.65	1979.9
	SUELO EST2	3.175	31.20	4771.4	SUELO EST1	3.284	32.36	4690.4
	TERRAPLEN	0.354	2.86	18156.9	VEGETAL	3.323	32.86	5624.0
1430.000	FIRME	6.114	61.14	8778.2	D TIERRA	1.253	13.83	1993.8
	SUELO EST2	3.163	31.69	4803.0	SUELO EST1	3.274	32.79	47

1580.000	SUELO EST2	2.921	29.28	5232.3	SUELO EST1	3.044	30.51	5168.7
	TERRAPLEN	0.015	0.19	18169.8	VEGETAL	3.110	31.17	6110.5
	FIRME	6.103	60.67	9691.7	D TIERRA	4.909	47.00	2376.2
1590.000	SUELO EST2	2.921	29.21	5261.5	SUELO EST1	3.045	30.44	5199.1
	TERRAPLEN	0.043	0.29	18170.1	VEGETAL	3.194	31.52	6142.0
	FIRME	6.165	61.34	9753.1	D TIERRA	5.340	51.24	2427.4
1600.000	SUELO EST2	2.963	29.42	5291.0	SUELO EST1	3.086	30.65	5229.8
	TERRAPLEN	0.043	0.43	18170.5	VEGETAL	3.250	32.22	6174.2
	FIRME	6.206	61.86	9814.9	D TIERRA	5.745	55.43	2482.8
1610.000	SUELO EST2	2.980	29.71	5320.7	SUELO EST1	3.103	30.94	5260.7
	TERRAPLEN	0.040	0.42	18170.9	VEGETAL	3.277	32.63	6206.9
	FIRME	6.220	62.13	9877.1	D TIERRA	5.792	57.69	2540.5
1620.000	SUELO EST2	2.990	29.85	5350.5	SUELO EST1	3.113	31.08	5291.8
	TERRAPLEN	0.041	0.41	18171.3	VEGETAL	3.289	32.83	6239.7
	FIRME	6.250	62.35	9939.4	D TIERRA	5.622	57.07	2597.6
1630.000	SUELO EST2	3.015	30.02	5380.5	SUELO EST1	3.138	31.25	5323.1
	TERRAPLEN	0.046	0.44	18171.8	VEGETAL	3.319	33.04	6272.7
	FIRME	6.248	62.49	10001.9	D TIERRA	5.112	53.67	2651.2
1640.000	SUELO EST2	3.033	30.24	5410.8	SUELO EST1	3.156	31.47	5354.5
	TERRAPLEN	0.057	0.52	18172.3	VEGETAL	3.336	33.27	6306.0
	FIRME	6.214	62.31	10064.2	D TIERRA	4.674	48.93	2700.2
	SUELO EST2	3.027	30.30	5441.1	SUELO EST1	3.150	31.53	5386.1
	TERRAPLEN	0.065	0.61	18172.9	VEGETAL	3.322	33.29	6339.3

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 15

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1650.000	FIRME	6.162	61.88	10126.1	D TIERRA	4.150	44.12	2744.3
	SUELO EST2	3.021	30.24	5471.3	SUELO EST1	3.143	31.46	5417.5
	TERRAPLEN	0.063	0.64	18173.5	VEGETAL	3.294	33.08	6372.4
1660.000	FIRME	6.024	60.93	10187.0	D TIERRA	3.361	37.55	2781.8
	SUELO EST2	3.001	30.11	5501.4	SUELO EST1	3.115	31.29	5448.8
	TERRAPLEN	0.060	0.61	18174.2	VEGETAL	3.167	32.31	6404.7
1670.000	FIRME	6.057	60.41	10247.4	D TIERRA	2.812	30.86	2812.7
	SUELO EST2	3.038	30.20	5531.6	SUELO EST1	3.149	31.32	5480.1
	TERRAPLEN	0.142	1.01	18175.2	VEGETAL	3.201	31.84	6436.5
1680.000	FIRME	6.087	60.72	10308.2	D TIERRA	2.199	25.06	2837.8
	SUELO EST2	3.098	30.68	5562.3	SUELO EST1	3.197	31.73	5511.9
	TERRAPLEN	0.307	2.25	18177.4	VEGETAL	3.250	32.26	6468.8
1690.000	FIRME	6.108	60.97	10369.1	D TIERRA	1.593	18.96	2856.7
	SUELO EST2	3.158	31.28	5593.6	SUELO EST1	3.241	32.19	5544.1
	TERRAPLEN	0.529	4.18	18181.6	VEGETAL	3.301	32.76	6501.5
1700.000	FIRME	6.114	61.11	10430.2	D TIERRA	1.025	13.09	2869.8
	SUELO EST2	3.224	31.91	5625.5	SUELO EST1	3.279	32.60	5576.7
	TERRAPLEN	1.003	7.66	18189.3	VEGETAL	3.354	33.27	6534.8
1710.000	FIRME	6.114	61.14	10491.4	D TIERRA	0.550	7.87	2877.7
	SUELO EST2	3.304	32.64	5658.1	SUELO EST1	3.325	33.02	5609.7
	TERRAPLEN	1.518	12.61	18201.9	VEGETAL	3.403	33.78	6568.6
1720.000	FIRME	6.114	61.14	10552.5	D TIERRA	0.571	5.60	2883.3
	SUELO EST2	3.309	33.07	5691.2	SUELO EST1	3.349	33.37	5643.1
	TERRAPLEN	1.271	13.95	18215.8	VEGETAL	3.405	34.04	6602.6
1730.000	FIRME	6.114	61.14	10613.7	D TIERRA	0.971	7.71	2891.0
	SUELO EST2	3.255	32.82	5724.0	SUELO EST1	3.325	33.37	5676.4
	TERRAPLEN	0.794	10.33	18226.1	EXCAVA SANE0	8.498	42.49	3122.6
1740.000	TERRAP SANE0	8.498	42.49	3122.6	VEGETAL	3.372	33.89	6636.5
	FIRME	6.114	61.14	10674.8	D TIERRA	0.595	7.83	2898.8
	SUELO EST2	3.282	32.69	5756.7	SUELO EST1	3.341	33.33	5709.8
1750.000	TERRAPLEN	1.225	10.10	18236.2	EXCAVA SANE0	8.540	85.19	3207.7
	TERRAP SANE0	8.540	85.19	3207.7	VEGETAL	3.389	33.81	6670.3
	FIRME	6.114	61.14	10736.0	D TIERRA	1.323	9.59	2908.4
	SUELO EST2	3.194	32.38	5789.1	SUELO EST1	3.284	33.12	5742.9
	TERRAPLEN	1.151	11.88	18248.1	EXCAVA SANE0	8.404	84.72	3292.5
	TERRAP SANE0	8.404	84.72	3292.5	VEGETAL	3.335	33.62	6703.9

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 16

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1760.000	FIRME	6.104	61.09	10797.0	D TIERRA	1.682	15.02	2923.4
	SUELO EST2	3.122	31.58	5820.7	SUELO EST1	3.221	32.52	5775.4
	TERRAPLEN	0.786	9.69	18257.8	EXCAVA SANE0	8.247	83.26	3375.7
1770.000	TERRAP SANE0	8.247	83.26	3375.7	VEGETAL	3.275	33.05	6737.0
	FIRME	6.110	61.07	10858.1	D TIERRA	1.646	16.64	2940.1
	SUELO EST2	3.148	31.35	5852.0	SUELO EST1	3.242	32.32	5807.7
1780.000	TERRAPLEN	0.701	7.44	18265.2	EXCAVA SANE0	8.304	82.75	3458.5
	TERRAP SANE0	8.304	82.75	3458.5	VEGETAL	3.298	32.86	6769.9
	FIRME	6.114	61.12	10919.2	D TIERRA	1.367	15.06	2955.1
1790.000	SUELO EST2	3.176	31.62	5883.6	SUELO EST1	3.274	32.58	5840.3
	TERRAPLEN	0.484	5.93	18271.2	EXCAVA SANE0	8.377	83.41	3541.9
	TERRAP SANE0	8.377	83.41	3541.9	VEGETAL	3.324	33.11	6803.0
1800.000	FIRME	6.114	61.14	10980.4	D TIERRA	1.026	11.96	2967.1
	SUELO EST2	3.224	32.00	5915.6	SUELO EST1	3.311	32.92	5873.2
	TERRAPLEN	0.445	4.65	18275.8	EXCAVA SANE0	8.451	84.14	3626.0
	TERRAP SANE0	8.451	84.14	3626.0	VEGETAL	3.353	33.39	6836.4
	FIRME	6.114	61.14	11041.5	D TIERRA	0.820	9.23	2976.3
	SUELO EST2	3.268	32.46	5948.1	SUELO EST1	3.323	33.17	5906.4
	TERRAPLEN	0.947	6.96	18282.8	EXCAVA SANE0	8.519	84.85	3710.9

1810.000	TERRAP SANE0	8.519	84.85	3710.9	VEGETAL	3.381	33.67	6870.0
	FIRME	6.114	61.14	11102.7	D TIERRA	0.804	8.12	2984.4
	SUELO EST2	3.279	32.73	5980.8	SUELO EST1	3.295	33.09	5939.5
1820.000	TERRAPLEN	1.578	12.63	18295.4	EXCAVA SANE0	8.540	85.30	3796.2
	TERRAP SANE0	8.540	85.30	3796.2	VEGETAL	3.389	33.85	6903.9
	FIRME	6.114	61.14	11163.8	D TIERRA	0.687	7.45	2991.9
1830.000	SUELO EST2	3.250	32.65	6013.5	SUELO EST1	3.298	32.97	5972.5
	TERRAPLEN	0.784	11.81	18307.2	EXCAVA SANE0	8.491	85.16	3881.3
	TERRAP SANE0	8.491	85.16	3881.3	VEGETAL	3.370	33.79	6937.7
1840.000	FIRME	6.114	61.14	11224.9	D TIERRA	0.789	7.38	2999.3
	SUELO EST2	3.241	32.45	6045.9	SUELO EST1	3.300	32.99	6005.4
	TERRAPLEN	0.558	6.71	18313.9	EXCAVA SANE0	8.477	84.84	3966.2
	TERRAP SANE0	8.477	84.84	3966.2	VEGETAL	3.364	33.67	6971.3
	FIRME	6.114	61.14	11286.1	D TIERRA	0.828	8.09	3007.3
	SUELO EST2	3.233	32.37	6078.3	SUELO EST1	3.294	32.97	6038.4
	TERRAPLEN	0.674	6.17	18320.1	EXCAVA SANE0	8.464	84.71	4050.9
	TERRAP SANE0	8.464	84.71	4050.9	VEGETAL	3.359	33.62	7005.0

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 17

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1850.000	FIRME	6.114	61.14	11347.2	D TIERRA	0.749	7.89	3015.2
	SUELO EST2	3.246	32.39	6110.7	SUELO EST1	3.281	32.87	6071.3
	TERRAPLEN	1.233	9.54	18329.6	EXCAVA SANE0	8.488	84.76	4135.6
	TERRAP SANE0	8.488	84.76	4135.6	VEGETAL	3.368	33.64	7038.6
1860.000	FIRME	6.112	61.13	11408.4	D TIERRA	0.811	7.80	3023.0
	SUELO EST2	3.288	32.67	6143.4	SUELO EST1	3.264	32.72	6104.0
	TERRAPLEN	2.668	19.51	18349.1	EXCAVA SANE0	8.578	85.33	4221.0
	TERRAP SANE0	8.578	85.33	4221.0	VEGETAL	3.407	33.87	7072.5
1870.000	FIRME	6.107	61.09	11469.5	D TIERRA	0.949	8.80	3031.8
	SUELO EST2	3.257	32.73	6176.1	SUELO EST1	3.245	32.55	6136.6
	TERRAPLEN	2.203	24.36	18373.5	EXCAVA SANE0	8.490	85.34	4306.3
	TERRAP SANE0	8.490	85.34	4306.3	VEGETAL	3.372	33.89	7106.4
1880.000	FIRME	6.098	61.02	11530.5	D TIERRA	1.080	10.14	3042.0
	SUELO EST2	3.218	32.37	6208.5	SUELO EST1	3.227	32.36	6168.9
	TERRAPLEN	1.719	19.61	18393.1	EXCAVA SANE0	8.393	84.41	4390.7
	TERRAP SANE0	8.393	84.41	4390.7	VEGETAL	3.333	33.52	7139.9
1890.000	FIRME	6.094	60.96	11591.4	D TIERRA	1.164	11.22	3053.2
	SUELO EST2	3.178	31.98	6240.4	SUELO EST1	3.221	32.24	6201.2
	TERRAPLEN	1.136	14.28	18407.4	EXCAVA SANE0	8.318	83.55	4474.3
	TERRAP SANE0	8.318	83.55	4474.3	VEGETAL	3.303	33.18	7173.1
1900.000	FIRME	6.092	60.93	11652.4	D TIERRA	1.233	11.98	3065.2
	SUELO EST2	3.176	31.77	6272.2	SUELO EST1	3.217	32.19	6233.3
	TERRAPLEN	1.224	11.80	18419.2	EXCAVA SANE0	8.310	83.14	4557.4
	TERRAP SANE0	8.310	83.14	4557.4	VEGETAL	3.300	33.02	7206.1
1910.000	FIRME	6.089	60.91	11713.3	D TIERRA	1.313	12.73	3077.9
	SUELO EST2	3.161	31.69	6303.9	SUELO EST1	3.213	32.15	6265.5
	TERRAPLEN	1.176	12.00	18431.2	EXCAVA SANE0	8.285	82.97	4640.4
	TERRAP SANE0	8.285	82.97	4640.4	VEGETAL	3.290	32.95	7239.0
1920.000	FIRME	6.098	60.93	11774.2	D TIERRA	1.127	12.20	3090.1
	SUELO EST2	3.171	31.66	6335.6	SUELO EST1	3.227	32.20	6297.7
	TERRAPLEN	1.162	11.69	18442.9	EXCAVA SANE0	8.313	82.99	4723.4
	TERRAP SANE0	8.313	82.99	4723.4	VEGETAL	3.301	32.96	7272.0
1930.000	FIRME	6.114	61.06	11835.3	D TIERRA	0.955	10.41	3100.5
	SUELO EST2	3.262	32.17	6367.7	SUELO EST1	3.315	32.71	6330.4
	TERRAPLEN	1.198	11.80	18454.7	EXCAVA SANE0	8.509	84.11	4807.5
	TERRAP SANE0	8.509	84.11	4807.5	VEGETAL	3.377	33.39	7305.4

2010.000	SUELO EST2	2.932	29.50	6581.1	SUELO EST1	3.056	30.73	6551.7
	TERRAPLEN	0.027	0.30	18463.6	EXCAVA SANEO	0.139	1.50	5101.9
	TERRAP SANEO	0.139	1.50	5101.9	VEGETAL	3.121	31.35	7530.6
	FIRME	6.122	60.70	12321.0	D TIERRA	3.586	32.63	3285.5
	SUELO EST2	2.947	29.40	6610.5	SUELO EST1	3.070	30.63	6582.4
2020.000	TERRAPLEN	0.048	0.38	18464.0	EXCAVA SANEO	8.112	41.26	5143.1
	TERRAP SANEO	8.112	41.26	5143.1	VEGETAL	3.223	31.72	7562.4
	FIRME	6.162	61.42	12382.4	D TIERRA	4.108	38.47	3324.0
	SUELO EST2	2.964	29.55	6640.0	SUELO EST1	3.088	30.79	6613.1
	TERRAPLEN	0.043	0.46	18464.4	EXCAVA SANEO	8.181	81.47	5224.6
	TERRAP SANEO	8.181	81.47	5224.6	VEGETAL	3.250	32.36	7594.7

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 19
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2030.000	FIRME	6.183	61.73	12444.1	D TIERRA	4.810	44.59	3368.6
	SUELO EST2	2.964	29.64	6669.7	SUELO EST1	3.087	30.87	6644.0
	TERRAPLEN	0.037	0.40	18464.8	EXCAVA SANEO	8.197	81.89	5306.5
	TERRAP SANEO	8.197	81.89	5306.5	VEGETAL	3.256	32.53	7627.3
	FIRME	6.169	61.76	12505.9	D TIERRA	5.356	50.83	3419.4
2040.000	SUELO EST2	2.942	29.53	6699.2	SUELO EST1	3.066	30.76	6674.8
	TERRAPLEN	0.032	0.34	18465.1	EXCAVA SANEO	8.143	81.70	5388.2
	TERRAP SANEO	8.143	81.70	5388.2	VEGETAL	3.235	32.46	7659.7
	FIRME	6.187	61.78	12567.7	D TIERRA	6.713	60.35	3479.7
	SUELO EST2	2.934	29.38	6728.6	SUELO EST1	3.058	30.62	6705.4
2050.000	TERRAPLEN	0.030	0.31	18465.5	EXCAVA SANEO	0.143	41.43	5429.6
	TERRAP SANEO	0.143	41.43	5429.6	VEGETAL	3.239	32.37	7692.1
	FIRME	6.329	62.58	12630.3	D TIERRA	7.100	69.07	3548.8
	SUELO EST2	3.006	29.70	6758.3	SUELO EST1	3.129	30.94	6736.3
	TERRAPLEN	0.030	0.30	18465.8	EXCAVA SANEO	0.142	1.43	5431.1
2070.000	TERRAP SANEO	0.142	1.43	5431.1	VEGETAL	3.321	32.80	7724.9
	FIRME	6.196	62.63	12692.9	D TIERRA	7.016	70.58	3619.4
	SUELO EST2	2.954	29.80	6788.1	SUELO EST1	3.077	31.03	6767.4
	TERRAPLEN	0.031	0.31	18466.1	EXCAVA SANEO	8.189	41.66	5472.7
	TERRAP SANEO	8.189	41.66	5472.7	VEGETAL	3.253	32.87	7757.8
2080.000	FIRME	6.133	61.64	12754.5	D TIERRA	5.624	63.20	3682.6
	SUELO EST2	2.940	29.47	6817.6	SUELO EST1	3.064	30.70	6798.1
	TERRAPLEN	0.043	0.37	18466.4	EXCAVA SANEO	8.107	81.48	5554.2
	TERRAP SANEO	8.107	81.48	5554.2	VEGETAL	3.221	32.37	7790.1
	FIRME	5.954	60.43	12815.0	D TIERRA	5.950	57.87	3740.5
2090.000	SUELO EST2	2.831	28.86	6846.4	SUELO EST1	2.954	30.09	6828.2
	TERRAPLEN	0.002	0.22	18466.7	EXCAVA SANEO	0.000	40.53	5594.7
	TERRAP SANEO	0.000	40.53	5594.7	VEGETAL	3.020	31.21	7821.3
	FIRME	6.137	60.46	12875.4	D TIERRA	4.739	53.44	3793.9
	SUELO EST2	2.928	28.80	6875.2	SUELO EST1	3.052	30.03	6858.2
2100.000	TERRAPLEN	0.033	0.18	18466.8	EXCAVA SANEO	8.087	40.44	5635.2
	TERRAP SANEO	8.087	40.44	5635.2	VEGETAL	3.213	31.17	7852.5
	FIRME	6.142	61.40	12936.8	D TIERRA	4.407	45.73	3839.6
	SUELO EST2	2.938	29.33	6904.5	SUELO EST1	3.062	30.57	6888.8
	TERRAPLEN	0.036	0.35	18467.2	EXCAVA SANEO	8.110	80.99	5716.2
	TERRAP SANEO	8.110	80.99	5716.2	VEGETAL	3.222	32.18	7884.7

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 20
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2120.000	FIRME	6.111	61.27	12998.1	D TIERRA	3.622	40.15	3879.8
	SUELO EST2	2.931	29.34	6933.9	SUELO EST1	3.055	30.58	6919.3
	TERRAPLEN	0.043	0.40	18467.6	EXCAVA SANEO	8.068	80.89	5797.0
	TERRAP SANEO	8.068	80.89	5797.0	VEGETAL	3.205	32.14	7916.8
	FIRME	6.056	60.84	13058.9	D TIERRA	1.608	26.15	3905.9
2130.000	SUELO EST2	3.012	29.71	6963.6	SUELO EST1	3.131	30.93	6950.3
	TERRAPLEN	0.033	0.38	18468.0	EXCAVA SANEO	0.160	41.14	5838.2
	TERRAP SANEO	0.160	41.14	5838.2	VEGETAL	3.185	31.95	7948.8
	FIRME	6.071	60.63	13119.6	D TIERRA	1.084	13.46	3919.4
	SUELO EST2	3.061	30.36	6994.0	SUELO EST1	3.167	31.49	6981.8
2140.000	TERRAPLEN	0.302	1.68	18469.6	EXCAVA SANEO	8.109	41.34	5879.5
	TERRAP SANEO	8.109	41.34	5879.5	VEGETAL	3.220	32.03	7980.8
	FIRME	6.080	60.75	13180.3	D TIERRA	0.837	9.60	3929.0
	SUELO EST2	3.101	30.81	7024.8	SUELO EST1	3.192	31.80	7013.6
	TERRAPLEN	0.634	4.68	18474.3	EXCAVA SANEO	8.180	81.44	5961.0
2160.000	TERRAP SANEO	8.180	81.44	5961.0	VEGETAL	3.249	32.34	8013.1
	FIRME	6.084	60.82	13241.1	D TIERRA	0.676	7.56	3936.6
	SUELO EST2	3.138	31.19	7056.0	SUELO EST1	3.205	31.98	7045.5
	TERRAPLEN	1.081	8.58	18482.9	EXCAVA SANEO	8.242	82.11	6043.1
	TERRAP SANEO	8.242	82.11	6043.1	VEGETAL	3.273	32.61	8045.7
2170.000	FIRME	6.102	60.93	13302.1	D TIERRA	0.565	6.20	3942.8
	SUELO EST2	3.200	31.69	7087.6	SUELO EST1	3.234	32.20	7077.7
	TERRAPLEN	1.641	13.61	18496.5	EXCAVA SANEO	8.364	83.03	6126.1
	TERRAP SANEO	8.364	83.03	6126.1	VEGETAL	3.322	32.97	8078.7
	FIRME	6.109	61.06	13363.1	D TIERRA	0.487	5.26	3948.0
2180.000	SUELO EST2	3.243	32.21	7119.9	SUELO EST1	3.253	32.44	7110.2
	TERRAPLEN	2.203	19.22	18515.7	EXCAVA SANEO	8.457	84.11	6210.2
	TERRAP SANEO	8.457	84.11	6210.2	VEGETAL	3.358	33.40	8112.1
	FIRME	6.110	61.10	13424.2	D TIERRA	0.509	4.98	3953.0
	SUELO EST2	3.244	32.43	7152.3	SUELO EST1	3.253	32.53	7142.7
	TERRAPLEN	2.217	22.10	18537.8	EXCAVA SANEO	8.459	84.58	6294.8

2200.000	TERRAP SANEO	8.459	84.58	6294.8	VEGETAL	3.359	33.58	8145.7
	FIRME	6.112	61.11	13485.3	D TIERRA	0.493	5.01	3958.0
	SUELO EST2	3.265	32.54	7184.8	SUELO EST1	3.261	32.57	7175.3
	TERRAPLEN	2.511	23.64	18561.5	EXCAVA SANEO	8.507	84.83	6379.6
	TERRAP SANEO	8.507	84.83	6379.6	VEGETAL	3.378	33.69	8179.4

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 21
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2210.000	FIRME	6.114	61.13	13546.5	D TIERRA	0.383	4.38	3962.4
	SUELO EST2	3.335	33.00	7217.8	SUELO EST1	3.312	32.87	7208.1
	TERRAPLEN	3.104	28.08	18589.5	EXCAVA SANEO	8.661	85.84	6465.5
	TERRAP SANEO	8.661	85.84	6465.5	VEGETAL	3.437	34.08	8213.5
	FIRME	6.114	61.14	13607.6	D TIERRA	0.331	3.57	3966.0
2220.000	SUELO EST2	3.376	33.55	7251.4	SUELO EST1	3.333	33.23	7241.4
	TERRAPLEN	3.710	34.07	18623.6	EXCAVA SANEO	8.756	87.09	6552.5
	TERRAP SANEO	8.756	87.09	6552.5	VEGETAL	3.475	34.56	8248.0
	FIRME	6.114	61.14	13668.7	D TIERRA	0.215	2.73	3968.7
	SUELO EST2	3.434	34.05	7285.4	SUELO EST1	3.358	33.45	7274.8
2230.000	TERRAPLEN	4.327	40.18	18663.8	EXCAVA SANEO	8.892	88.24	6640.8
	TERRAP SANEO	8.892	88.24	6640.8	VEGETAL	3.529	35.02	8283.0
	FIRME	6.114	61.14	13729.9	D TIERRA	0.082	1.49	3970.2
	SUELO EST2	3.484	34.59	7320.0	SUELO EST1	3.363	33.60	7308.4
	TERRAPLEN	4.847	45.87	18709.7	EXCAVA SANEO	9.010	89.51	6730.3
2250.000	TERRAP SANEO	9.010	89.51	6730.3	VEGETAL	3.575	35.52	8318.6
	FIRME	6.114	61.14	13791.0	D TIERRA	0.089	0.86	3971.0
	SUELO EST2	3.487	34.85	7354.9	SUELO EST1	3.363	33.63	7342.1
	TERRAPLEN	5.177	50.12	18759.8	EXCAVA SANEO	9.040	90.25	6820.5
	TERRAP SANEO	9.040	90.25	6820.5	VEGETAL	3.588	35.81	8354.4
2260.000	FIRME	6.114	61.14	13852.2	D TIERRA	0.019	0.54	3971.6
	SUELO EST2	3.517	35.02	7389.9	SUELO EST1	3.363	33.63	7375.7
	TERRAPLEN	5.359	52.68	18812.5	EXCAVA SANEO	9.091	90.66	6911.2
	TERRAP SANEO	9.091	90.66	6911.2	VEGETAL	3.608	35.98	8390.3
	FIRME	6.114	61.14	13913.3	D TIERRA	0.000	0.09	3971.7
2270.000	SUELO EST2	3.537	35.27	7425.2	SUELO EST1	3.363	33.63	7409.3
	TERRAPLEN	5.352	53.56	18866.0	EXCAVA SANEO	9.125	91.08	7002.3
	TERRAP SANEO	9.125	91.08	7002.3	VEGETAL	3.621	36.14	8426.5
	FIRME	6.114	61.14	13974.4	SUELO EST2	3.550	35.44	7460.6
	SUELO EST1	3.364	33.64	7443.0	TERRAPLEN	5.018	51.85	18917.9
2280.000	EXCAVA SANEO	9.155	91.40	7093.7	TERRAP SANEO	9.155	91.40	7093.7
	VEGETAL	3.634	36.27	8462.8				
	FIRME	6.114	61.14	14035.6	SUELO EST2	3.556	35.53	7496.1
	SUELO EST1	3.363	33.64	7476.6	TERRAPLEN	5.264	51.41	18969.3
	EXCAVA SANEO	9.218	91.86	7185.5	TERRAP SANEO	9.218	91.86	7185.5
	VEGETAL	3.658	36.46	8499.2				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 22
PROYECTO :

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 23

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
2390.000	FIRME	6.114	61.14	14647.0	D TIERRA	0.327	2.72	3982.0	
	SUELO EST2	3.447	34.49	7844.8	SUELO EST1	3.360	33.61	7812.7	
	TERRAPLEN	4.947	47.51	19496.5	EXCAVA SANE0	9.022	90.08	8091.0	
	TERRAP SANE0	9.022	90.08	8091.0	VEGETAL	3.581	35.75	8858.6	
2400.000	FIRME	6.114	61.14	14708.1	D TIERRA	0.400	3.64	3985.6	
	SUELO EST2	3.437	34.42	7879.3	SUELO EST1	3.358	33.59	7846.3	
	TERRAPLEN	5.313	51.30	19547.8	EXCAVA SANE0	9.042	90.32	8181.4	
	TERRAP SANE0	9.042	90.32	8181.4	VEGETAL	3.588	35.84	8894.4	
2410.000	FIRME	6.114	61.14	14769.3	D TIERRA	0.235	3.18	3988.8	
	SUELO EST2	3.461	34.49	7913.7	SUELO EST1	3.363	33.61	7879.9	
	TERRAPLEN	5.887	56.00	19603.8	EXCAVA SANE0	9.129	90.85	8272.2	
	TERRAP SANE0	9.129	90.85	8272.2	VEGETAL	3.623	36.05	8930.5	
2420.000	FIRME	6.114	61.14	14830.4	D TIERRA	0.102	1.69	3990.5	
	SUELO EST2	3.478	34.70	7948.4	SUELO EST1	3.363	33.63	7913.5	
	TERRAPLEN	6.200	60.43	19664.2	EXCAVA SANE0	9.188	91.58	8363.8	
	TERRAP SANE0	9.188	91.58	8363.8	VEGETAL	3.646	36.34	8966.8	
2430.000	FIRME	6.114	61.14	14891.6	D TIERRA	0.031	0.67	3991.1	
	SUELO EST2	3.476	34.77	7983.2	SUELO EST1	3.363	33.63	7947.1	
	TERRAPLEN	6.613	64.06	19728.3	EXCAVA SANE0	9.231	92.09	8455.9	
	TERRAP SANE0	9.231	92.09	8455.9	VEGETAL	3.663	36.55	9003.4	
2440.000	FIRME	6.114	61.14	14952.7	D TIERRA	0.001	0.16	3991.3	
	SUELO EST2	3.472	34.74	8018.0	SUELO EST1	3.363	33.63	7980.8	
	TERRAPLEN	7.220	69.17	19797.4	EXCAVA SANE0	9.278	92.54	8548.4	
	TERRAP SANE0	9.278	92.54	8548.4	VEGETAL	3.682	36.73	9040.1	
2450.000	FIRME	6.114	61.14	15013.8	SUELO EST2	3.490	34.81	8052.8	
	SUELO EST1	3.364	33.63	8014.4	TERRAPLEN	7.875	75.48	19872.9	
	EXCAVA SANE0	9.344	93.11	8641.5	TERRAP SANE0	9.344	93.11	8641.5	
	VEGETAL	3.709	36.95	9077.1					
2460.000	FIRME	6.114	61.14	15075.0	SUELO EST2	3.529	35.09	8087.9	
	SUELO EST1	3.363	33.64	8048.1	TERRAPLEN	8.605	82.40	19955.3	
	EXCAVA SANE0	9.456	94.00	8735.5	TERRAP SANE0	9.456	94.00	8735.5	
	VEGETAL	3.753	37.31	9114.4					
2470.000	FIRME	6.114	61.14	15136.1	SUELO EST2	3.541	35.35	8123.2	
	SUELO EST1	3.364	33.64	8081.7	TERRAPLEN	9.172	88.88	20044.2	
	EXCAVA SANE0	9.517	94.87	8830.4	TERRAP SANE0	9.517	94.87	8830.4	
	VEGETAL	3.777	37.65	9152.0					

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 24

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
2480.000	FIRME	6.114	61.14	15197.3	SUELO EST2	3.551	35.46	8158.7	
	SUELO EST1	3.363	33.64	8115.3	TERRAPLEN	9.866	95.19	20139.4	
	EXCAVA SANE0	9.592	95.55	8926.0	TERRAP SANE0	9.592	95.55	8926.0	
	VEGETAL	3.806	37.92	9189.9					
2490.000	FIRME	6.114	61.14	15258.4	SUELO EST2	3.556	35.53	8194.2	
	SUELO EST1	3.364	33.64	8149.0	TERRAPLEN	10.421	101.43	20240.8	
	EXCAVA SANE0	9.662	96.27	9022.2	TERRAP SANE0	9.662	96.27	9022.2	
	VEGETAL	3.834	38.20	9228.1					
2500.000	FIRME	6.114	61.14	15319.5	SUELO EST2	3.556	35.56	8229.8	
	SUELO EST1	3.364	33.64	8182.6	TERRAPLEN	10.252	103.37	20344.2	
	EXCAVA SANE0	9.659	96.60	9118.8	TERRAP SANE0	9.659	96.60	9118.8	
	VEGETAL	3.833	38.34	9266.5					
2510.000	FIRME	6.114	61.14	15380.7	SUELO EST2	3.555	35.56	8265.3	
	SUELO EST1	3.364	33.64	8216.2	TERRAPLEN	9.559	99.06	20443.2	
	EXCAVA SANE0	9.608	96.33	9215.2	TERRAP SANE0	9.608	96.33	9215.2	
	VEGETAL	3.813	38.23	9304.7					
2520.000	FIRME	6.114	61.14	15441.8	SUELO EST2	3.556	35.56	8300.9	
	SUELO EST1	3.364	33.64	8249.9	TERRAPLEN	9.131	93.45	20536.7	
	EXCAVA SANE0	9.604	96.06	9311.2	TERRAP SANE0	9.604	96.06	9311.2	
	VEGETAL	3.811	38.12	9342.8					
2530.000	FIRME	6.114	61.14	15503.0	SUELO EST2	3.557	35.56	8336.4	
	SUELO EST1	3.364	33.64	8283.5	TERRAPLEN	8.846	89.89	20626.6	
	EXCAVA SANE0	9.611	96.08	9407.3	TERRAP SANE0	9.611	96.08	9407.3	
	VEGETAL	3.813	38.12	9380.9					
2540.000	FIRME	6.114	61.14	15564.1	SUELO EST2	3.557	35.57	8372.0	
	SUELO EST1	3.364	33.64	8317.1	TERRAPLEN	8.305	85.75	20712.3	
	EXCAVA SANE0	9.538	95.74	9503.0	TERRAP SANE0	9.538	95.74	9503.0	
	VEGETAL	3.785	37.99	9418.9					
2550.000	FIRME	6.114	61.14	15625.3	SUELO EST2	3.557	35.57	8407.6	
	SUELO EST1	3.364	33.64	8350.8	TERRAPLEN	7.729	80.17	20792.5	
	EXCAVA SANE0	9.458	94.98	9598.0	TERRAP SANE0	9.458	94.98	9598.0	
	VEGETAL	3.754	37.69	9456.6					
2560.000	FIRME	6.114	61.14	15686.4	SUELO EST2	3.557	35.57	8443.1	
	SUELO EST1	3.364	33.64	8384.4	TERRAPLEN	7.031	73.80	20866.3	
	EXCAVA SANE0	9.378	94.18	9692.2	TERRAP SANE0	9.378	94.18	9692.2	
	VEGETAL	3.722	37.38	9494.0					

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 25

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2570.000	FIRME	6.114	61.14	15747.5	SUELO EST2	3.554	35.56	8478.7
	SUELO EST1	3.364	33.64	8418.1	TERRAPLEN	5.985	65.08	20931.4
	EXCAVA SANE0	9.253	93.15	9785.4	TERRAP SANE0	9.253	93.15	9785.4
	VEGETAL	3.672	36.97	9531.0				
2580.000	FIRME	6.114	61.14	15808.7	SUELO EST2	3.544	35.49	8514.2
	SUELO EST1	3.364	33.64	8451.7	TERRAPLEN	5.060	55.22	20986.6
	EXCAVA SANE0	9.144	91.98	9877.3	TERRAP SANE0	9.144	91.98	9877.3
	VEGETAL	3.629	36.50	9567.5				
2590.000	FIRME	6.114	61.14	15869.8	SUELO EST2	3.529	35.37	8549.6
	SUELO EST1	3.363	33.64	8485.3	TERRAPLEN	4.304	46.82	21033.4
	EXCAVA SANE0	9.050	90.97	9968.3	TERRAP SANE0	9.050	90.97	9968.3
	VEGETAL	3.591	36.10	9603.6				
2600.000	FIRME	6.114	61.14	15931.0	SUELO EST2	3.509	35.19	8584.8
	SUELO EST1	3.363	33.63	8519.0	TERRAPLEN	3.591	39.48	21072.9
	EXCAVA SANE0	8.962	90.06	10058.4	TERRAP SANE0	8.962	90.06	10058.4
	VEGETAL	3.557	35.74	9639.3				
2610.000	FIRME	6.114	61.14	15992.1	D TIERRA	0.103	0.51	3991.8
	SUELO EST2	3.427	34.68	8619.4	SUELO EST1	3.360	33.62	8552.6
	TERRAPLEN	2.721	31.56	21104.5	EXCAVA SANE0	8.793	88.77	10147.1
	TERRAP SANE0	8.793	88.77	10147.1	VEGETAL	3.489	35.23	9674.5
2620.000	FIRME	6.114	61.14	16053.2	D TIERRA	0.459	2.81	3994.6
	SUELO EST2	3.343	33.85	8653.3	SUELO EST1	3.339	33.50	8586.1
	TERRAPLEN	2.086	24.04	21128.5	EXCAVA SANE0	8.641	87.17	10234.3
	TERRAP SANE0	8.641	87.17	10234.3	VEGETAL	3.429	34.59	9709.1
2630.000	FIRME	6.114	61.14	16114.4	D TIERRA	0.736	5.97	4000.6
	SUELO EST2	3.270	33.07	8686.3	SUELO EST1	3.313	33.26	8619.3
	TERRAPLEN	1.490	17.88	21146.4	EXCAVA SANE0	8.522	85.82	10320.1
	TERRAP SANE0	8.522	85.82	10320.1	VEGETAL	3.382	34.05	9743.2
2640.000	FIRME	6.114	61.14	16175.5	D TIERRA	1.053	8.94	4009.5
	SUELO EST2	3.188	32.29	8718.6	SUELO EST1	3.272	32.92	8652.3
	TERRAPLEN	0.801	11.45	21157.8	EXCAVA SANE0	8.390	84.56	10404.7
	TERRAP SANE0	8.390	84.56	10404.7	VEGETAL	3.332	33.57	9776.8
2650.000	FIRME	6.108	61.11	16236.6	D TIERRA	1.665	13.59	4023.1
	SUELO EST2	3.120	31.54	8750.2	SUELO EST1	3.226	32.49	8684.8
	TERRAPLEN	0.330	5.66	21163.5	EXCAVA SANE0	8.255	83.22	10487.9
	TERRAP SANE0	8.255	83.22	10487.9	VEGETAL	3.278	33.05	9809.8

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 26

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
2660.000	FIRME	6.093	61.00	16297.6	D TIERRA	2.260	19.63	4042.7	
	SUELO EST2	3.063	30.92	8781.1	SUELO EST1	3.180	32.03	8716.8	
	TERRAPLEN	0.147	2.39	21165.9	EXCAVA SANE0	8.139	81.97	10569.9	
	TERRAP SANE0	8.139	81.97	10569.9	VEGETAL	3.233	32.55	9842.4	
2670.000	FIRME	6.083	60.88	16358.5	D TIERRA	2.723	24.92	4067.7	
	SUELO EST2	3.019	30.41	8811.5	SUELO EST1	3.141	31.60	8748.4	
	TERRAPLEN	0.041	0.94	21166.8	EXCAVA SANE0	8.058	80.99	10650.9	
	TERRAP SANE0	8.058	80.99	10650.9	VEGETAL	3.200	32.16	9874.5	
2680.000	FIRME	6.055	60.69	16419.2	D TIERRA	3.598	31.60	4099.3	
	SUELO EST2	2.955	29.87	8841.4	SUELO EST1	3.078	31.09	8779.5	
	TERRAPLEN	0.023	0.32	21167.1	EXCAVA SANE0	0.127	40.92	10691.8	
	TERRAP SANE0	0.127	40.92	10691.8	VEGETAL	3.143	31.71	9906.2	
2690.000	FIRME	6.014	60.34	16479.6	D TIERRA	4.399	39.98	4139.3	
	SUELO EST2	2.901	29.28	8870.7	SUELO EST1	3.024	30.51	8810.0	
	TERRAPLEN	0.010	0.16	21167.3	EXCAVA SANE0	0.079	1.03	10692.8	
	TERRAP SANE0	0.079	1.03	10692.8	VEGETAL	3.089	31.16	9937.4	
2700.000	FIRME	6.163	60.89	16540.4	D TIERRA	5.151	47.75	4187.0	
	SUELO EST2	2.947	29.24	8899.9	SUELO EST1	3.070	30.47	8840.5	
	TERRAPLEN	0.036	0.23	21167.5	EXCAVA SANE0	8.145	41.12	10733.9	
	TERRAP SANE0	8.145	41.12	10733.9	VEGETAL	3.235	31.62	9969.0	
2710.000	FIRME	6.160	61.61	16602.1	D TIERRA	5.147	51.49	4238.5	
	SUELO EST2	2.946	29.46	8929.4	SUELO EST1	3.070	30.70	8871.2	
	TERRAPLEN	0.036	0.36	21167.9	EXCAVA SANE0	8.142	81.43	10815.4	
	TERRAP SANE0	8.142	81.43	10815.4	VEGETAL	3.234	32.34	10001.4	
2720.000	FIRME	6.197	61.78	16663.8	D TIERRA	5.083	51.15	4289.6	
	SUELO EST2	2.987	29.67	8959.0	SUELO EST1	3.111	30.90	8902.1	
	TERRAPLEN	0.046	0.41	21168.3	EXCAVA SANE0	8.258	82.00	10897.4	
	TERRAP SANE0	8.258	82.00	10897.4	VEGETAL	3.280	32.57	10033.9	
2730.000	FIRME	6.029	61.13	16725.0	D TIERRA	3.762	44.22	4333.9	
	SUELO EST2	2.961	29.74	8988.8	SUELO EST1	3.084	30.97	8933.0	
	TERRAPLEN	0.032	0.39	21168.7	EXCAVA SANE0	0.159	42.09	10939.5	
	TERRAP SANE0	0.159	42.09	10939.5	VEGETAL	3.145	32.12	10066.1	
2740.000	FIRME	6.082	60.56	16785.5	D TIERRA	2.318	30.40	4364.3	
	SUELO EST2	3.090	30.25	9019.0	SUELO EST1	3.189	31.36	8964.4	
	TERRAPLEN	0.073	0.53	21169.2	EXCAVA SANE0	8.166	41.62	10981.1	
	TERRAP SANE0	8.166	41.62	10981.1	VEGETAL	3.243	31.94	10098.0	

2760.000	TERRAP SANE0	8.383	82.75	11063.8	VEGETAL	3.329	32.86	10130.9
	FIRME	6.114	61.12	16907.6	D TIERRA	0.772	10.26	4392.5
	SUELO EST2	3.206	32.03	9082.5	SUELO EST1	3.294	32.74	9029.3
2770.000	TERRAPLEN	0.067	2.52	21174.3	EXCAVA SANE0	8.422	84.03	11147.8
	TERRAP SANE0	8.422	84.03	11147.8	VEGETAL	3.342	33.36	10164.2
	FIRME	6.114	61.14	16968.7	D TIERRA	0.088	4.30	4396.8
2780.000	SUELO EST2	3.376	32.91	9115.4	SUELO EST1	3.355	33.25	9062.6
	TERRAPLEN	1.160	6.13	21180.4	EXCAVA SANE0	0.000	42.11	11190.0
	TERRAP SANE0	0.000	42.11	11190.0	VEGETAL	3.449	33.96	10198.2
2790.000	FIRME	6.114	61.14	17029.9	D TIERRA	0.000	0.44	4397.2
	SUELO EST2	3.521	34.48	9149.9	SUELO EST1	3.364	33.60	9096.2
	TERRAPLEN	3.522	23.41	21203.8	VEGETAL	3.596	35.22	10233.4
2800.000	FIRME	6.114	61.14	17091.0	SUELO EST2	3.557	35.39	9185.3
	SUELO EST1	3.363	33.64	9129.8	TERRAPLEN	7.942	57.32	21261.1
	VEGETAL	3.819	37.07	10270.5				
2810.000	FIRME	6.110	61.12	17152.1	SUELO EST2	3.555	35.56	9220.8
	SUELO EST1	3.362	33.62	9163.5	TERRAPLEN	15.417	116.80	21377.9
	VEGETAL	4.159	39.89	10310.3				
2820.000	FIRME	6.075	60.93	17213.1	SUELO EST2	3.538	35.46	9256.3
	SUELO EST1	3.347	33.54	9197.0	TERRAPLEN	17.863	166.40	21544.3
	VEGETAL	4.245	42.02	10352.4				
2830.000	FIRME	6.041	60.58	17273.7	SUELO EST2	3.521	35.29	9291.6
	SUELO EST1	3.333	33.40	9230.4	TERRAPLEN	19.641	187.52	21731.9
	VEGETAL	4.322	42.84	10395.2				
2840.000	FIRME	6.036	60.39	17334.0	SUELO EST2	3.518	35.19	9326.8
	SUELO EST1	3.332	33.32	9263.7	TERRAPLEN	19.544	195.99	21927.9
	VEGETAL	4.453	43.88	10439.1				
2850.000	FIRME	6.036	60.36	17394.4	SUELO EST2	3.518	35.18	9362.0
	SUELO EST1	3.332	33.32	9297.0	TERRAPLEN	13.529	165.42	22093.3
	VEGETAL	4.088	42.71	10481.8				
	FIRME	6.036	60.36	17454.8	SUELO EST2	3.519	35.18	9397.2
	SUELO EST1	3.331	33.31	9330.3	TERRAPLEN	10.317	119.27	22212.6
	VEGETAL	3.994	40.41	10522.2				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 28

PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2860.000	FIRME	6.036	60.36	17515.1	SUELO EST2	3.511	35.15	9432.3
	SUELO EST1	3.331	33.31	9363.7	TERRAPLEN	4.399	73.62	22286.2
	VEGETAL	3.697	38.46	10560.7				
2870.000	FIRME	6.036	60.36	17575.5	D TIERRA	0.012	0.06	4397.3
	SUELO EST2	3.451	34.81	9467.1	SUELO EST1	3.331	33.31	9397.0
	TERRAPLEN	2.943	36.75	22322.9	VEGETAL	3.584	36.41	10597.1
2880.000	FIRME	6.036	60.36	17635.9	D TIERRA	1.147	5.79	4403.1
	SUELO EST2	3.409	34.30	9501.4	SUELO EST1	3.328	33.30	9430.3
	TERRAPLEN	1.727	23.38	22346.3	VEGETAL	3.530	35.57	10632.6
2890.000	FIRME	6.021	60.28	17696.1	D TIERRA	3.214	21.79	4424.9
	SUELO EST2	3.215	33.12	9534.5	SUELO EST1	3.195	32.62	9462.9
	TERRAPLEN	0.554	11.43	22357.7	VEGETAL	3.332	34.31	10667.0
2900.000	FIRME	5.978	59.99	17756.1	D TIERRA	3.942	35.75	4460.6
	SUELO EST2	3.123	31.69	9566.2	SUELO EST1	3.145	31.70	9494.6
	TERRAPLEN	0.049	3.02	22360.8	VEGETAL	3.240	32.86	10699.8
2910.000	FIRME	6.002	59.90	17816.0	D TIERRA	4.016	39.77	4500.4
	SUELO EST2	3.065	30.94	9597.2	SUELO EST1	3.160	31.53	9526.1
	TERRAPLEN	0.034	0.42	22361.2	VEGETAL	3.215	32.28	10732.1
2920.000	FIRME	6.036	60.19	17876.2	D TIERRA	5.329	46.71	4547.1
	SUELO EST2	3.137	31.02	9628.2	SUELO EST1	3.232	31.96	9558.1
	TERRAPLEN	0.057	0.45	22361.6	VEGETAL	3.287	32.51	10764.6
2930.000	FIRME	6.036	60.36	17936.6	D TIERRA	5.735	55.30	4602.4
	SUELO EST2	3.151	31.44	9659.6	SUELO EST1	3.253	32.42	9590.5
	TERRAPLEN	0.059	0.58	22362.2	EXCAVA SANE0	9.892	49.46	11239.4
2940.000	TERRAP SANE0	9.892	49.46	11239.4	VEGETAL	3.298	32.92	10797.5
	FIRME	6.036	60.36	17996.9	D TIERRA	6.789	62.60	4665.0
	SUELO EST2	3.226	31.88	9691.5	SUELO EST1	3.297	32.75	9623.2
2950.000	TERRAPLEN	0.059	0.59	22362.8	EXCAVA SANE0	10.028	99.60	11339.0
	TERRAP SANE0	10.028	99.60	11339.0	VEGETAL	3.343	33.20	10830.7
	FIRME	6.085	60.60	18057.5	D TIERRA	8.494	76.39	4741.4
2960.000	SUELO EST2	2.984	31.05	9722.6	SUELO EST1	3.108	32.03	9655.3
	TERRAPLEN	0.059	0.59	22363.4	EXCAVA SANE0	9.787	99.08	11438.1
	TERRAP SANE0	9.787	99.08	11438.1	VEGETAL	3.263	33.03	10863.8
	FIRME	6.087	60.86	18118.4	D TIERRA	8.554	85.21	4826.6
	SUELO EST2	2.978	29.81	9752.4	SUELO EST1	3.103	31.06	9686.3
	TERRAPLEN	0.059	0.59	22364.0	EXCAVA SANE0	9.779	97.83	11535.9
	TERRAP SANE0	9.779	97.83	11535.9	VEGETAL	3.260	32.61	10896.4

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 29

PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2970.000	FIRME	5.987	60.37	18178.8	D TIERRA	8.683	86.17	4912.8
	SUELO EST2	2.862	29.20	9781.6	SUELO EST1	2.987	30.45	9716.8
	TERRAPLEN	0.031	0.45	22364.4	EXCAVA SANE0	0.000	48.89	11584.8
2978.516	TERRAP SANE0	0.000	48.89	11584.8	VEGETAL	3.132	31.96	10928.3
	FIRME	5.970	50.91	18229.7	D TIERRA	7.341	68.22	4981.0
	SUELO EST2	3.077	25.29	9806.9	SUELO EST1	3.138	26.08	9742.9
	TERRAPLEN	0.032	0.27	22364.7	VEGETAL	3.209	27.01	10955.3

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 30

PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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FIRME	18229.7
D TIERRA	4981.0
SUELO EST2	9806.9
SUELO EST1	9742.9
TERRAPLEN	22364.7
EXCAVA SANE0	11584.8
TERRAP SANE0	11584.8
VEGETAL	10955.3

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 1

PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	6.089	0.00	0.0	D TIERRA	8.484	0.00	0.0
	SUELO EST2	3.019	0.00	0.0	SUELO EST1	3.141	0.00	0.0
	TERRAPLEN	0.039	0.00	0.0	EXCAVA SANE0	9.850	0.00	0.0
10.000	TERRAP SANE0	9.850	0.00	0.0	VEGETAL	2.627	0.00	0.0
	FIRME	6.083	60.84	60.8	D TIERRA	7.915	81.82	81.8
	SUELO EST2	3.138	30.81	30.8	SUELO EST1	3.168	31.56	31.6
20.000	TERRAPLEN	0.039	0.39	0.4	EXCAVA SANE0	0.000	49.25	49.2
	TERRAP SANE0	0.000	49.25	49.2	VEGETAL	2.682	26.55	26.6
	FIRME	5.933	60.07	120.9	D TIERRA	7.037	74.56	156.4
30.000	SUELO EST2	3.111	31.30	62.1	SUELO EST1	3.110	31.42	63.0
	TERRAPLEN	0.058	0.49	0.9	VEGETAL	2.579	26.33	52.9
	FIRME	5.960	59.46	180.4	D TIERRA	6.278	66.38	222.8
40.000	SUELO EST2	3.145	31.33	93.4	SUELO EST1	3.130	31.23	94.2
	TERRAPLEN	0.140	1.01	1.9	VEGETAL	2.608	25.97	78.9
	FIRME	6.012	59.86	240.2	D TIERRA	5.407	58.26	281.0
50.000	SUELO EST2	3.191	31.72	125.2	SUELO EST1	3.183	31.59	125.8
	TERRAPLEN	0.085	1.15	3.0	VEGETAL	2.644	26.29	105.1
	FIRME	6.034	60.22	300.5	D TIERRA	4.354	48.70	329.7
60.000	SUELO EST2	3.255	32.26	157.4	SUELO EST1	3.234	32.10	157.9
	TERRAPLEN	0.204	1.47	4.5	VEGETAL	2.699	26.73	131.9
	FIRME	6.036	60.34	360.8	D TIERRA	3.820	40.79	370.5
70.000	SUELO EST2	3.310	32.85	190.3	SUELO EST1	3.277	32.56	190.5
	TERRAPLEN	0.547	3.80	8.3	VEGETAL	2.763	27.32	159.2
	FIRME	6.036	60.35	421.2	D TIERRA	3.608	37.08	407.6
80.000	SUELO EST2	3.322	33.18	223.5	SUELO EST1	3.287	32.82	223.3
	TERRAPLEN	0.676	6.16	14.5	VEGETAL	2.778	27.72	186.9
	FIRME	6.036	60.35	481.5	D TIERRA	3.159	33.78	441.4
90.000	SUELO EST2	3.340	33.32	256.8	SUELO EST1	3.300	32.93	256.2
	TERRAPLEN	0.752	7.18	21.6	VEGETAL	2.791	27.86	214.8
	FIRME	6.036	60.35	541.9	D TIERRA	2.022	25.87	467.2
100.000	SUELO EST2	3.432	33.86	290.6	SUELO EST1	3.331	33.15	289.4
	TERRAPLEN	0.911	8.34	30.0	VEGETAL	2.848	28.20	243.0
	FIRME	6.034	60.34	602.2	D TIERRA	3.075	25.48	492.7
110.000	SUELO EST2	3.511	34.71	325.4	SUELO EST1	3.330	33.30	322.7
	TERRAPLEN	0.465	6.89	36.9	VEGETAL	2.860	28.54	271.5
	FIRME	6.035	60.34	662.5	D TIERRA	4.290	36.83	529.5
	SUELO EST2	3.470	34.91	360.3	SUELO EST1	3.331	33.30	356.0
	TERRAPLEN	0.339	4.02	40.9	VEGETAL	2.868	28.64	300.2

Istram 18.05.05.29

200.000	FIRME	6.036	60.36	1205.8	D TIERRA	4.364	42.74	958.6
	SUELO EST2	3.409	34.10	661.7	SUELO EST1	3.328	33.28	652.7
	TERRAPLEN	0.380	4.48	90.6	VEGETAL	2.864	28.76	556.9
210.000	FIRME	6.018	60.27	1266.0	D TIERRA	5.379	48.72	1007.3
	SUELO EST2	3.221	33.15	694.8	SUELO EST1	3.193	32.61	685.3
	TERRAPLEN	0.252	3.17	93.7	VEGETAL	2.734	28.00	584.9
220.000	FIRME	6.074	60.46	1326.5	D TIERRA	7.235	63.06	1070.4
	SUELO EST2	3.191	32.07	726.9	SUELO EST1	3.162	31.78	717.1
	TERRAPLEN	0.128	1.90	95.6	VEGETAL	2.749	27.42	612.3
230.000	FIRME	6.469	62.71	1389.2	D TIERRA	8.192	77.10	1147.5
	SUELO EST2	3.391	32.92	759.8	SUELO EST1	3.361	32.62	749.7
	TERRAPLEN	0.102	1.15	96.8	VEGETAL	2.939	28.44	640.8

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 3

PROYECTO :

EJE: 54: V微 de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	FIRME	6.060	62.64	1451.8	D TIERRA	8.266	82.26	1229.8
	SUELO EST2	3.180	32.86	792.7	SUELO EST1	3.153	32.57	782.3
	TERRAPLEN	0.059	0.80	97.6	VEGETAL	2.718	28.28	669.1
250.000	FIRME	5.976	60.18	1512.0	D TIERRA	7.120	76.92	1306.7
	SUELO EST2	3.102	31.42	824.1	SUELO EST1	3.144	31.49	813.7
	TERRAPLEN	0.016	0.37	98.0	VEGETAL	2.581	26.50	695.6
260.000	FIRME	5.956	59.66	1571.7	D TIERRA	7.049	70.84	1377.5
	SUELO EST2	3.049	30.76	854.9	SUELO EST1	3.124	31.34	845.1
	TERRAPLEN	0.015	0.16	98.1	VEGETAL	2.550	25.66	721.2
270.000	FIRME	6.046	60.01	1631.7	D TIERRA	7.174	71.11	1448.6
	SUELO EST2	3.170	31.10	886.0	SUELO EST1	3.143	31.34	876.4
	TERRAPLEN	0.051	0.33	98.4	VEGETAL	2.707	26.29	747.5
280.000	FIRME	6.040	60.43	1692.1	D TIERRA	6.655	69.13	1517.8
	SUELO EST2	3.168	31.70	917.7	SUELO EST1	3.139	31.41	907.8
	TERRAPLEN	0.228	1.40	99.8	VEGETAL	2.812	27.60	775.1
290.000	FIRME	5.984	60.12	1752.2	D TIERRA	5.734	61.94	1579.7
	SUELO EST2	3.148	31.59	949.3	SUELO EST1	3.150	31.45	939.3
	TERRAPLEN	0.014	1.21	101.1	VEGETAL	2.610	27.12	802.2
300.000	FIRME	6.036	60.10	1812.3	D TIERRA	2.721	42.29	1622.0
	SUELO EST2	3.282	32.15	981.4	SUELO EST1	3.251	32.01	971.3
	TERRAPLEN	1.396	7.04	108.1	VEGETAL	2.733	26.71	828.9
310.000	FIRME	6.036	60.36	1872.7	D TIERRA	2.350	25.38	1647.4
	SUELO EST2	3.319	33.00	1014.4	SUELO EST1	3.283	32.67	1004.0
	TERRAPLEN	1.699	15.45	123.5	VEGETAL	2.759	27.45	856.4
320.000	FIRME	6.038	60.37	1933.0	D TIERRA	2.110	22.32	1669.7
	SUELO EST2	3.344	33.31	1047.7	SUELO EST1	3.302	32.92	1036.9
	TERRAPLEN	2.160	19.27	142.8	VEGETAL	2.795	27.76	884.2
330.000	FIRME	6.072	60.55	1993.6	D TIERRA	2.150	21.29	1691.0
	SUELO EST2	3.303	33.24	1081.0	SUELO EST1	3.269	32.86	1069.7
	TERRAPLEN	2.594	23.78	166.6	VEGETAL	2.793	27.94	912.1
340.000	FIRME	6.093	60.82	2054.4	D TIERRA	2.286	22.18	1713.1
	SUELO EST2	3.263	32.83	1113.8	SUELO EST1	3.227	32.48	1102.2
	TERRAPLEN	2.897	27.47	194.1	VEGETAL	2.777	27.85	939.9
350.000	FIRME	6.104	60.98	2115.4	D TIERRA	2.130	22.07	1735.2
	SUELO EST2	3.275	32.69	1146.5	SUELO EST1	3.240	32.34	1134.6
	TERRAPLEN	3.285	30.93	225.0	VEGETAL	2.802	27.90	967.8

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 4

PROYECTO :

EJE: 54: V微 de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	FIRME	6.103	61.04	2176.4	D TIERRA	2.357	22.43	1757.6
	SUELO EST2	3.273	32.74	1179.2	SUELO EST1	3.239	32.39	1166.9
	TERRAPLEN	3.448	33.68	258.7	VEGETAL	2.816	28.09	995.9
370.000	FIRME	6.100	61.02	2237.4	D TIERRA	2.430	23.93	1781.6
	SUELO EST2	3.267	32.70	1211.9	SUELO EST1	3.232	32.36	1199.3
	TERRAPLEN	3.382	34.17	292.8	VEGETAL	2.826	28.21	1024.1
380.000	FIRME	6.105	61.02	2298.5	D TIERRA	2.518	24.74	1806.3
	SUELO EST2	3.276	32.72	1244.7	SUELO EST1	3.241	32.37	1231.7
	TERRAPLEN	3.170	32.78	325.6	VEGETAL	2.848	28.37	1052.5
390.000	FIRME	6.114	61.09	2359.6	D TIERRA	2.785	26.51	1832.8
	SUELO EST2	3.535	34.06	1278.7	SUELO EST1	3.363	33.02	1264.7
	TERRAPLEN	2.947	30.60	356.2	VEGETAL	3.010	29.29	1081.8
400.000	FIRME	6.114	61.14	2420.7	D TIERRA	3.364	30.74	1863.6
	SUELO EST2	3.556	35.45	1314.2	SUELO EST1	3.364	33.63	1298.3
	TERRAPLEN	2.846	28.98	385.2	VEGETAL	3.123	30.67	1112.5
410.000	FIRME	6.114	61.14	2481.8	D TIERRA	4.164	37.64	1901.2
	SUELO EST2	3.556	35.56	1349.7	SUELO EST1	3.364	33.64	1332.0
	TERRAPLEN	2.841	28.45	413.6	VEGETAL	3.191	31.57	1144.0
420.000	FIRME	6.114	61.14	2543.0	D TIERRA	4.846	45.04	1946.2
	SUELO EST2	3.556	35.56	1385.3	SUELO EST1	3.363	33.64	1365.6
	TERRAPLEN	2.755	27.99	441.6	VEGETAL	3.233	32.12	1176.2
430.000	FIRME	6.114	61.14	2604.1	D TIERRA	5.506	51.76	1998.0
	SUELO EST2	3.556	35.56	1420.8	SUELO EST1	3.364	33.63	1399.2
	TERRAPLEN	2.499	26.28	467.9	VEGETAL	3.276	32.54	1208.7
440.000	FIRME	6.114	61.14	2665.2	D TIERRA	5.063	52.85	2050.8
	SUELO EST2	3.556	35.56	1456.4	SUELO EST1	3.363	33.63	1432.9
	TERRAPLEN	2.798	26.48	494.4	VEGETAL	3.353	33.14	1241.9
450.000	FIRME	6.114	61.14	2726.4	D TIERRA	4.908	49.86	2100.7
	SUELO EST2	3.476	35.16	1491.6	SUELO EST1	3.364	33.63	1466.5
	TERRAPLEN	2.237	25.16	519.6	VEGETAL	3.121	32.37	1274.2

460.000	FIRME	6.114	61.14	2787.5	D TIERRA	5.399	51.54	2152.2
	SUELO EST2	3.372	34.24	1525.8	SUELO EST1	3.328	33.46	1500.0
	TERRAPLEN	2.656	24.45	544.0	VEGETAL	3.112	31.16	1305.4
470.000	FIRME	6.114	61.14	2848.7	D TIERRA	3.776	45.88	2198.1
	SUELO EST2	3.416	33.94	1559.7	SUELO EST1	3.352	33.40	1533.4
	TERRAPLEN	2.440	25.46	569.5	VEGETAL	3.114	31.12	1336.5

Istram 18.05.05.29 17/01/19 18:49:58 1880 pagina 5

PROYECTO :

EJE: 54: V微 de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	FIRME	6.114	61.14	2909.8	D TIERRA	1.803	27.90	2226.0
	SUELO EST2	3.537	34.76	1594.5	SUELO EST1	3.363	33.57	1566.9
	TERRAPLEN	2.177	23.07	592.5	VEGETAL	3.155	31.34	1367.8
490.000	FIRME	6.114	61.14	2970.9	D TIERRA	0.018	9.11	2235.1
	SUELO EST2	3.556	35.46	1630.0	SUELO EST1	3.363	33.63	1600.6
	TERRAPLEN	4.127	31.51	624.0	VEGETAL	3.290	32.22	1400.1
500.000	FIRME	6.114	61.14	3032.1	D TIERRA	0.000	0.09	2235.2
	SUELO EST2	3.556	35.56	1665.5	SUELO EST1	3.363	33.63	1634.2
	TERRAPLEN	9.615	68.71	692.8	VEGETAL	3.518	34.03	1434.1
510.000	FIRME	6.114	61.14	3093.2	SUELO EST2	3.556	35.56	1701.1
	SUELO EST1	3.364	33.63	1667.8	TERRAPLEN	12.935	112.75	805.5
	VEGETAL	3.637	35.77	1469.9				
520.000	FIRME	6.114	61.14	3154.3	SUELO EST2	3.556	35.56	1736.7
	SUELO EST1	3.363	33.63	1701.5	TERRAPLEN	14.352	136.43	941.9
	VEGETAL	3.732	36.84	1506.7				
530.000	FIRME	6.114	61.14	3215.5	SUELO EST2	3.556	35.56	1772.2
	SUELO EST1	3.364	33.63	1735.1	TERRAPLEN	12.556	134.53	1076.5
	VEGETAL	3.668	37.00	1543.7				
540.000	FIRME	6.114	61.14	3276.6	SUELO EST2	3.556	35.56	1807.8
	SUELO EST1	3.363	33.63	1768.7	TERRAPLEN	9.038	107.96	1184.4
	VEGETAL	3.536	36.02	1579.7				
550.000	FIRME	6.114	61.14	3337.8	D TIERRA	0.047	0.23	2235.5
	SUELO EST2	3.556	35.56	1843.3	SUELO EST1	3.364	33.63	1802.4
	TERRAPLEN	5.059	70.47	1254.9	VEGETAL	3.340	34.37	1614.1
560.000	FIRME	6.114	61.14	3398.9	D TIERRA	1.152	5.99	2241.4
	SUELO EST2	3.556	35.56	1878.9	SUELO EST1	3.363	33.63	1836.0
	TERRAPLEN	3.167	41.12	1296.0	VEGETAL	3.178	32.59	1646.7
570.000	FIRME	6.114	61.14	3460.0	D TIERRA	2.342	17.47	2258.9
	SUELO EST2	3.366	34.61	1913.5	SUELO EST1	3.325	33.44	1869.4
	TERRAPLEN	1.674	24.19	1320.2	VEGETAL	2.959	30.68	1677.4
580.000	FIRME	6.114	61.14	3521.2	D TIERRA	2.335	23.39	2282.3
	SUELO EST2	3.332	33.49	1947.0	SUELO EST1	3.297	33.11	1902.5
	TERRAPLEN	0.948	13.10	1333.3	VEGETAL	2.878	29.18	1706.6
590.000	FIRME	6.114	61.14	3582.3	D TIERRA	0.522	14.29	2296.6
	SUELO EST2	3.556	34.44	1981.4	SUELO EST1	3.363	33.30	1935.8
	TERRAPLEN	1.109	10.28	1343.6	VEGETAL	3.016	29.47	1736.0

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V_{de} de servicio Dch. P.K. 106+800

pagina 7

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** cubicacion segun distancias compensadas*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
720.000	FIRME	6.546	64.10	4380.7	D TIERRA	3.367	25.70	2360.0	
	SUELO EST2	3.267	32.65	2429.4	SUELO EST1	3.372	33.18	2367.9	
	TERRAPLEN	0.042	7.38	2732.3	VEGETAL	2.864	28.30	2140.2	
730.000	FIRME	6.532	65.39	4446.1	D TIERRA	6.179	47.73	2407.8	
	SUELO EST2	3.139	32.03	2461.4	SUELO EST1	3.262	33.17	2401.1	
	TERRAPLEN	0.023	0.33	2732.6	VEGETAL	2.807	28.35	2168.5	
740.000	FIRME	6.572	65.52	4511.6	D TIERRA	8.712	74.45	2482.2	
	SUELO EST2	3.093	31.16	2492.6	SUELO EST1	3.217	32.39	2433.5	
	TERRAPLEN	0.040	0.32	2732.9	VEGETAL	2.854	28.31	2196.8	
750.000	FIRME	6.549	65.60	4577.2	D TIERRA	8.713	87.12	2569.3	
	SUELO EST2	3.077	30.85	2523.5	SUELO EST1	3.201	32.09	2465.6	
	TERRAPLEN	0.040	0.40	2733.3	VEGETAL	2.851	28.52	2225.4	
760.000	FIRME	6.554	65.51	4642.7	D TIERRA	8.942	88.27	2657.6	
	SUELO EST2	3.081	30.79	2554.2	SUELO EST1	3.204	32.02	2497.6	
	TERRAPLEN	0.040	0.40	2733.7	VEGETAL	2.859	28.55	2253.9	
770.000	FIRME	6.506	65.30	4708.0	D TIERRA	7.188	80.65	2738.3	
	SUELO EST2	3.102	30.91	2585.2	SUELO EST1	3.225	32.15	2529.7	
	TERRAPLEN	0.021	0.30	2734.0	VEGETAL	2.802	28.30	2282.2	
780.000	FIRME	6.513	65.09	4773.1	D TIERRA	6.491	68.40	2806.7	
	SUELO EST2	3.110	31.06	2616.2	SUELO EST1	3.233	32.29	2562.0	
	TERRAPLEN	0.021	0.21	2734.2	VEGETAL	2.781	27.91	2310.1	
790.000	FIRME	6.515	65.14	4838.3	D TIERRA	6.480	64.86	2871.5	
	SUELO EST2	3.113	31.11	2647.3	SUELO EST1	3.236	32.35	2594.4	
	TERRAPLEN	0.021	0.21	2734.4	VEGETAL	2.780	27.80	2337.9	
800.000	FIRME	6.500	65.08	4903.4	D TIERRA	7.252	68.66	2940.2	
	SUELO EST2	3.096	31.04	2678.4	SUELO EST1	3.219	32.28	2626.7	
	TERRAPLEN	0.021	0.21	2734.6	VEGETAL	2.768	27.74	2365.7	
810.000	FIRME	6.510	65.05	4968.4	D TIERRA	6.429	68.40	3008.6	
	SUELO EST2	3.106	31.01	2709.4	SUELO EST1	3.229	32.24	2658.9	
	TERRAPLEN	0.021	0.21	2734.8	VEGETAL	2.758	27.63	2393.3	
820.000	FIRME	6.498	65.04	5033.4	D TIERRA	6.604	65.16	3073.7	
	SUELO EST2	3.093	31.00	2740.4	SUELO EST1	3.217	32.23	2691.1	
	TERRAPLEN	0.021	0.21	2735.1	VEGETAL	2.738	27.48	2420.8	
830.000	FIRME	6.490	64.94	5098.4	D TIERRA	7.710	71.57	3145.3	
	SUELO EST2	3.086	30.90	2771.3	SUELO EST1	3.210	32.13	2723.3	
	TERRAPLEN	0.021	0.21	2735.3	VEGETAL	2.749	27.44	2448.2	

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 8

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** cubicacion segun distancias compensadas*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
840.000	FIRME	6.045	62.68	5161.1	D TIERRA	7.405	75.58	3220.9
	SUELO EST2	2.926	30.06	2801.3	SUELO EST1	3.049	31.29	2754.6
	TERRAPLEN	0.004	0.13	2735.4	VEGETAL	2.492	26.21	2474.4
850.000	FIRME	6.176	61.11	5222.2	D TIERRA	5.218	63.11	3284.0
	SUELO EST2	3.245	30.85	2832.2	SUELO EST1	3.209	31.29	2785.9
	TERRAPLEN	1.120	5.62	2741.0	VEGETAL	2.837	26.64	2501.1
860.000	FIRME	6.093	61.35	5283.5	D TIERRA	0.663	29.41	3313.4
	SUELO EST2	3.255	32.50	2864.7	SUELO EST1	3.221	32.15	2818.0
	TERRAPLEN	5.209	31.65	2772.7	VEGETAL	2.901	28.69	2529.7
870.000	FIRME	6.114	61.04	5344.5	D TIERRA	0.000	3.32	3316.7
	SUELO EST2	3.525	33.90	2898.6	SUELO EST1	3.363	32.92	2850.9
	TERRAPLEN	6.349	57.79	2830.5	VEGETAL	3.049	29.75	2559.5
880.000	FIRME	6.114	61.14	5405.7	SUELO EST2	3.519	35.22	2933.8
	SUELO EST1	3.363	33.63	2884.6	TERRAPLEN	2.400	43.74	2874.2
	VEGETAL	2.858	29.54	2589.0				
890.000	FIRME	6.114	61.14	5466.8	SUELO EST2	3.553	35.36	2969.2
	SUELO EST1	3.363	33.63	2918.2	TERRAPLEN	3.409	29.04	2903.2
	VEGETAL	2.900	28.79	2617.8				
900.000	FIRME	6.114	61.14	5528.0	SUELO EST2	3.538	35.46	3004.6
	SUELO EST1	3.363	33.63	2951.8	TERRAPLEN	2.673	30.41	2933.7
	VEGETAL	2.870	28.85	2646.7				
910.000	FIRME	6.114	61.14	5589.1	SUELO EST2	3.510	35.24	3039.9
	SUELO EST1	3.363	33.63	2985.4	TERRAPLEN	1.952	23.12	2956.8
	VEGETAL	2.839	28.54	2675.2				
920.000	FIRME	6.114	61.14	5650.2	SUELO EST2	3.465	34.88	3074.7
	SUELO EST1	3.363	33.63	3019.1	TERRAPLEN	1.167	15.60	2972.4
	VEGETAL	2.806	28.22	2703.4				
930.000	FIRME	6.114	61.14	5711.4	D TIERRA	0.328	1.64	3318.4
	SUELO EST2	3.344	34.05	3108.8	SUELO EST1	3.355	33.59	3052.7
	TERRAPLEN	0.268	7.17	2979.5	VEGETAL	2.742	27.74	2731.2
940.000	FIRME	6.114	61.14	5772.5	D TIERRA	1.014	6.71	3325.1
	SUELO EST2	3.258	33.01	3141.8	SUELO EST1	3.328	33.42	3086.1
	TERRAPLEN	0.040	1.54	2981.1	VEGETAL	2.699	27.20	2758.4
950.000	FIRME	6.114	61.14	5833.6	D TIERRA	1.690	13.52	3338.6
	SUELO EST2	3.203	32.31	3174.1	SUELO EST1	3.303	33.16	3119.2
	TERRAPLEN	0.040	0.40	2981.5	VEGETAL	2.673	26.86	2785.2

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 9

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * cubicacion segun distancias compensadas * * *									
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

960.000	FIRME	6.114	61.14	5894.8	D TIERRA	2.726	22.08	3360.7	
	SUELO EST2	3.213	32.08	3206.2	SUELO EST1	3.287	32.95	3152.2	
	TERRAPLEN	0.038	0.39	2981.9	VEGETAL	2.677	26.75	2812.0	
970.000	FIRME	6.102	61.08	5955.9	D TIERRA	3.861	32.93	3393.6	
	SUELO EST2	3.013	31.13	3237.3	SUELO EST1	3.135	32.11	3184.3	
	TERRAPLEN	0.016	0.27	2982.1	EXCAVA SANE0	10.225	51.12	100.4	
980.000	TERRAP SANE0	10.225	51.12	100.4	VEGETAL	2.560	26.19	2838.2	
	FIRME	6.039	60.70	6016.6	D TIERRA	5.321	45.91	3439.5	
	SUELO EST2	2.911	29.62	3266.9	SUELO EST1	3.034	30.85	3215.2	
990.000	TERRAPLEN	0.002	0.09	2982.2	EXCAVA SANE0	0.000	51.12	151.5	
	TERRAP SANE0	0.000	51.12	151.5	VEGETAL	2.480	25.20	2863.4	
	FIRME	6.114	60.76	6077.3	D TIERRA	0.000	26.60	3466.1	
1000.000	SUELO EST2	3.551	32.31	3299.2	SUELO EST1	3.364	31.99	3247.1	
	TERRAPLEN	4.545	22.74	3005.0	EXCAVA SANE0	11.780	58.90	210.4	
	TERRAP SANE0	11.780	58.90	210.4	VEGETAL	2.945	27.13	2890.5	
1010.000	FIRME	6.150	61.32	6138.6	D TIERRA	4.859	24.29	3490.4	
	SUELO EST2	3.157	33.54	3332.8	SUELO EST1	3.192	32.78	3279.9	
	TERRAPLEN	0.039	22.92	3027.9	EXCAVA SANE0	10.788	112.84	323.2	
1020.000	TERRAP SANE0	10.788	112.84	323.2	VEGETAL	2.698	28.22	2918.7	
	FIRME	6.279	62.14	6200.8	D TIERRA	6.615	57.36	3547.8	
	SUELO EST2	3.191	31.74	3364.5	SUELO EST1	3.263	32.28	3312.2	
1030.000	TERRAPLEN	0.038	0.39	3028.3	EXCAVA SANE0	11.032	109.10	432.3	
	TERRAP SANE0	11.032	109.10	432.3	VEGETAL	2.758	27.28	2946.0	
	FIRME	6.547	64.13	6264.9	D TIERRA	6.787	66.99	3614.8	
1040.000	SUELO EST2	3.429	33.10	3397.6	SUELO EST1	3.394	33.28	3345.5	
	TERRAPLEN	1.752	8.96	3037.2	EXCAVA SANE0	12.285	116.59	548.9	
	TERRAP SANE0	12.285	116.59	548.9	VEGETAL	3.078	29.18	2975.2	
1050.000	FIRME	6.547	65.46	6330.4	D TIERRA	5.297	60.40	3675.1	
	SUELO EST2	3.311	33.70	3431.3	SUELO EST1	3.389	33.91	3379.4	
	TERRAPLEN	0.040	8.97	3046.2	EXCAVA SANE0	11.462	118.74	667.7	
1060.000	TERRAP SANE0	11.462	118.74	667.7	VEGETAL	2.867	29.72	3004.9	
	FIRME	6.979	67.63	6398.0	D TIERRA	17.001	111.49	3786.6	
	SUELO EST2	3.302	33.06	3464.4	SUELO EST1	3.424	34.07	3413.5	
1070.000	TERRAPLEN	0.040	0.40	3046.6	EXCAVA SANE0	0.000	57.31	725.0	
	TERRAP SANE0	0.000	57.31	725.0	VEGETAL	3.307	30.87	3035.8	

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 10

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** cubicacion segun distancias compensadas*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
1050.000	FIRME	6.161	65.70	6463.7	D TIERRA	5.393	111.98	3898.6	
	SUELO EST2	2.983	31.42	3495.8	SUELO EST1	3.106	32.65	3446.1	
	TERRAPLEN	0.036	0.38	3047.0	EXCAVA SANE0	10.444	52.22	777.2	
	TERRAP SANE0	10.444	52.22	777.2	VEGETAL	2.614	29.61	3065.4	
1060.000	FIRME	6.044	61.02	6524.7	D TIERRA	4.497	49.45	3948.1	
	SUELO EST2	3.048	30.16	3526.0	SUELO EST1	3.149	31.28	3477.4	
	TERRAPLEN	0.018	0.27	3047.3	EXCAVA SANE0	0.142	52.93	830.1	
	TERRAP SANE0	0.142	52.93	830.1	VEGETAL	2.563	25.88	3091.3	
1070.000	FIRME	6.135	60.90	6585.6	D TIERRA	3.127	38.11	3986.2	
	SUELO EST2	3.218	31.33	3557.3	SUELO EST1	3.184	31.66	3509.1	
	TERRAPLEN	2.765	13.93	3061.2	EXCAVA SANE0	11.849	59.96	890.1	
	TERRAP SANE0	11.849	59.96	890.1	VEGETAL	2.962	27.63	3118.9	
1080.000	FIRME	6.074	61.05	6646.7	D TIERRA	0.911	20.18	4006.4	
	SUELO EST2	3.230	32.24	3589.6	SUELO EST1	3.195	31.90	3541.0	
	TERRAPLEN	7.190	49.81	3111.0	EXCAVA SANE0	9.108	104.81	994.9	
	TERRAP SANE0	9.108	104.81	994.9	VEGETAL	2.950	29.57	3148.4	
1090.000	FIRME	6.089	60.82	6707.5	D TIERRA	0.627	7.68	4014.0	
	SUELO EST2	3.250	32.40	3622.0	SUELO EST1	3.215	32.05	3573.0	
	TERRAPLEN	6.029	66.13	3177.1	EXCAVA SANE0	11.662	103.87	1098.8	
	TERRAP SANE0	11.662	103.87	1098.8	VEGETAL	2.918	29.34	3177.8	
1100.000	FIRME	6.608	63.49	6771.0	D TIERRA	12.385	65.05	4079.1	
	SUELO EST2	3.116	31.83	3653.8	SUELO EST1	3.240	32.27	3605.3	
	TERRAPLEN	0.040	30.36	3207.5	EXCAVA SANE0	0.150	59.07	1157.8	
	TERRAP SANE0	0.150	59.07	1157.8	VEGETAL	2.924	29.21	3207.0	
1110.000	FIRME	6.979	67.94	6838.9	D TIERRA	97.333	548.62	4627.7	
	SUELO EST2	3.301	32.08	3685.9	SUELO EST1	3.425	33.32	3638.6	
	TERRAPLEN	0.039	0.39	3207.9	EXCAVA SANE0	0.000	0.75	1158.6	
	TERRAP SANE0	0.000	0.75	1158.6	VEGETAL	4.780	38.52	3245.5	
1120.000	FIRME	6.979	69.79	6908.7	D TIERRA	13.830	555.85	5183.5	
	SUELO EST2	3.302	33.01	3718.9	SUELO EST1	3.425	34.25	3672.9	
	TERRAPLEN	0.032	0.36	3208.2	EXCAVA SANE0	0.091	0.46	1159.0	
	TERRAP SANE0	0.091	0.46	1159.0	VEGETAL	3.083	39.32	3284.8	
1130.000	FIRME	6.114	65.47	6974.2	D TIERRA	0.000	69.15	5252.7	
	SUELO EST2	3.556	34.29	3753.2	SUELO EST1	3.363	33.94	3706.8	
	TERRAPLEN	9.593	48.13	3256.4	EXCAVA SANE0	12.556	63.24	1222.3	
	TERRAP SANE0	12.556	63.24	1222.3	VEGETAL	3.140	31.11	3316.0	

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V_{de} de servicio Dch. P.K. 106+800

pagina 11

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** ***** cubicacion segun distancias compensadas*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1140.000	FIRME	6.114	61.14	7035.3	SUBLO EST2	3.556	35.56	3788.7
	SUELO EST1	3.364	33.64	3740.4	TERRAPLEN	9.868	97.31	3353.7
	EXCAVA SANE0	12.593	125.75	1348.0	TERRAP SANE0	12.593	125.75	1348.0

1150.000	VEGETAL	3.149	31.44	3347.4				
	FIRME	6.114	61.14	7096.4	SUELO EST2	3.557	35.56	3824.3
	SUELO EST1	3.363	33.63	3774.1	TERRAPLEN	8.816	93.43	3447.1
	EXCAVA SANE0	12.436	125.15	1473.2	TERRAP SANE0	12.436	125.15	1473.2
1160.000	VEGETAL	3.109	31.29	3378.7				
	FIRME	6.114	61.14	7157.6	SUELO EST2	3.557	35.57	3859.9
	SUELO EST1	3.363	33.63	3807.7	TERRAPLEN	6.770	77.94	3525.1
	EXCAVA SANE0	12.129	122.83	1596.0	TERRAP SANE0	12.129	122.83	1596.0
1170.000	VEGETAL	3.033	30.71	3409.4				
	FIRME	6.114	61.14	7218.7	SUELO EST2	3.556	35.56	3895.4
	SUELO EST1	3.363	33.63	3841.3	TERRAPLEN	7.395	70.84	3595.9
	EXCAVA SANE0	12.219	121.74	1717.8	TERRAP SANE0	12.219	121.74	1717.8
1180.000	VEGETAL	3.055	30.44	3439.8				
	FIRME	6.114	61.14	7279.9	SUELO EST2	3.556	35.56	3931.0
	SUELO EST1	3.364	33.63	3875.0	TERRAPLEN	7.080	72.38	3668.3
	EXCAVA SANE0	12.169	121.94	1839.7	TERRAP SANE0	12.169	121.94	1839.7
1190.000	VEGETAL	3.042	30.49	3470.3				
	FIRME	6.114	61.14	7341.0	SUELO EST2	3.555	35.56	3966.5
	SUELO EST1	3.364	33.64	3908.6	TERRAPLEN	4.703	58.92	3727.2
	EXCAVA SANE0	11.804	119.87	1959.6	TERRAP SANE0	11.804	119.87	1959.6
1200.000	VEGETAL	2.952	29.97	3500.3				
	FIRME	6.082	60.98	7402.0	D TIERRA	0.480	2.40	5255.1
	SUELO EST2	3.235	33.95	4000.5	SUELO EST1	3.204	32.84	3941.4
	TERRAPLEN	1.131	29.17	3756.4	EXCAVA SANE0	10.743	112.74	2072.3
1210.000	TERRAP SANE0	10.743	112.74	2072.3	VEGETAL	2.688	28.20	5528.5
	FIRME	6.034	60.58	7462.6	D TIERRA	5.322	29.01	5284.1
	SUELO EST2	3.006	31.21	4031.7	SUELO EST1	3.121	31.63	3973.1
	TERRAPLEN	0.020	5.75	3762.1	EXCAVA SANE0	0.152	54.48	2126.8
1220.000	TERRAP SANE0	0.152	54.48	2126.8	VEGETAL	2.539	26.13	3554.6
	FIRME	6.086	60.60	7523.2	D TIERRA	5.509	54.15	5338.3
	SUELO EST2	3.218	31.12	4062.8	SUELO EST1	3.210	31.65	4004.7
	TERRAPLEN	0.179	0.99	3763.1	EXCAVA SANE0	10.654	54.03	2180.8
	TERRAP SANE0	10.654	54.03	2180.8	VEGETAL	2.666	26.02	3580.7

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 12

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
1230.000	FIRME	6.161		61.24		7584.4		D TIERRA	5.148		53.29		5391.5	
	SUELO EST2	3.197		32.07		4094.9		SUELO EST1	3.200		32.05		4036.8	
	TERRAPLEN	0.448		3.13		3766.2		EXCAVA SANE0	10.899		107.76		2288.6	
	TERRAP SANE0	10.899		107.76		2288.6		VEGETAL	2.725		26.95		3607.6	
1240.000	FIRME	6.313		62.37		7646.8		D TIERRA	5.392		52.72		5444.3	
	SUELO EST2	3.225		32.10		4127.0		SUELO EST1	3.282		32.41		4069.2	
	TERRAPLEN	0.146		2.97		3769.2		EXCAVA SANE0	11.130		110.14		2398.7	
	TERRAP SANE0	11.130		110.14		2398.7		VEGETAL	2.783		27.54		3635.1	
1250.000	FIRME	6.547		64.30		7711.1		D TIERRA	6.444		59.20		5503.5	
	SUELO EST2	3.236		32.30		4159.3		SUELO EST1	3.353		33.17		4102.4	
	TERRAPLEN	0.037		0.92		3770.1		EXCAVA SANE0	11.328		112.30		2511.0	
	TERRAP SANE0	11.328		112.30		2511.0		VEGETAL	2.837		28.10		3663.2	
1260.000	FIRME	6.546		65.47		7776.5		D TIERRA	8.346		73.97		5577.4	
	SUELO EST2	3.181		32.08		4191.4		SUELO EST1	3.304		33.28		4135.6	
	TERRAPLEN	0.035		0.36		3770.5		EXCAVA SANE0	0.141		57.35		2568.4	
	TERRAP SANE0	0.141		57.35		2568.4		VEGETAL	2.845		28.41		3691.7	
1270.000	FIRME	6.539		65.43		7842.0		D TIERRA	9.319		88.35		5665.8	
	SUELO EST2	3.152		31.67		4223.1		SUELO EST1	3.275		32.90		4168.5	
	TERRAPLEN	0.026		0.30		3770.8		EXCAVA SANE0	0.080		1.10		2569.5	
	TERRAP SANE0	0.080		1.10		2569.5		VEGETAL	2.848		28.47		3720.1	
1280.000	FIRME	6.536		65.38		7907.3		D TIERRA	10.278		98.02		5763.8	
	SUELO EST2	3.146		31.49		4254.6		SUELO EST1	3.269		32.72		4201.3	
	TERRAPLEN	0.024		0.25		3771.0		EXCAVA SANE0	0.067		0.73		2570.2	
	TERRAP SANE0	0.067		0.73		2570.2		VEGETAL	2.860		28.55		3748.7	
1290.000	FIRME	6.529		65.33		7972.7		D TIERRA	10.563		104.24		5868.1	
	SUELO EST2	3.132		31.39		4285.9		SUELO EST1	3.255		32.62		4233.9	
	TERRAPLEN	0.022		0.23		3771.3		EXCAVA SANE0	0.038		0.52		2570.7	
	TERRAP SANE0	0.038		0.52		2570.7		VEGETAL	2.862		28.61		3777.3	
1300.000	FIRME	6.538		65.34		8038.0		D TIERRA	10.306		104.38		5972.4	
	SUELO EST2	3.149		31.41		4317.3		SUELO EST1	3.273		32.64		4266.5	
	TERRAPLEN	0.025		0.23		3771.5		EXCAVA SANE0	0.074		0.56		2571.3	
	TERRAP SANE0	0.074		0.56		2571.3		VEGETAL	2.884		28.73		3806.0	
1310.000	FIRME	6.531		65.35		8103.4		D TIERRA	10.170		102.42		6074.9	
	SUELO EST2	3.136		31.43		4348.8		SUELO EST1	3.259		32.66		4299.2	
	TERRAPLEN	0.022		0.24		3771.7		EXCAVA SANE0	0.046		0.60		2571.9	
	TERRAP SANE0	0.046		0.60		2571.9		VEGETAL	2.876		28.80		3834.5	

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 13

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1320.000	FIRME	6.540	65.36	8168.7	D TIERRA	9.225	97.01	6171.9
	SUELO EST2	3.154	31.45	4380.2	SUELO EST1	3.277	32.68	4331.9
	TERRAPLEN	0.027	0.24	3772.0	EXCAVA SANE0	0.083	0.64	2572.5
	TERRAP SANE0	0.083	0.64	2572.5	VEGETAL	2.889	28.83	3863.6
1330.000	FIRME	6.544	65.42	8234.1	D TIERRA	8.275	87.53	6259.4
	SUELO EST2	3.169	31.61	4411.8	SUELO EST1	3.292	32.85	4364.7
	TERRAPLEN	0.032	0.29	3772.3	EXCAVA SANE0	0.115	0.99	2573.5
	TERRAP SANE0	0.115	0.99	2573.5	VEGETAL	2.892	28.91	3892.5
1340.000	FIRME	6.523	65.34	8299.5	D TIERRA	6.815	75.48	6334.9

1350.000	SUELO EST2	3.191	31.80	4443.6	SUELO EST1	3.315	33.03	4397.7
	TERRAPLEN	0.041	0.36	3772.6	EXCAVA SANE0	0.160	1.37	2574.9
	TERRAP SANE0	0.160	1.37	2574.9	VEGETAL	2.889	28.91	3921.5
	FIRME	6.484	65.04	8364.5	D TIERRA	5.208	60.14	6395.0
1360.000	SUELO EST2	3.232	32.12	4475.7	SUELO EST1	3.354	33.34	4431.1
	TERRAPLEN	0.040	0.41	3773.0	EXCAVA SANE0	0.161	1.61	2576.5
	TERRAP SANE0	0.161	1.61	2576.5	VEGETAL	2.883	28.87	3950.3
	FIRME	6.483	64.86	8429.4	D TIERRA	3.555	43.93	6438.9
1370.000	SUELO EST2	3.294	32.63	4508.4	SUELO EST1	3.407	33.81	4464.9
	TERRAPLEN	0.037	0.39	3773.4	EXCAVA SANE0	11.478	58.21	2634.7
	TERRAP SANE0	11.478	58.21	2634.7	VEGETAL	2.889	28.87	3979.2
	FIRME	6.498	64.95	8494.3	D TIERRA	2.261	29.27	6468.2
1380.000	SUELO EST2	3.348	33.22	4541.6	SUELO EST1	3.454	34.31	4499.2
	TERRAPLEN	0.390	2.14	3775.6	EXCAVA SANE0	11.557	115.26	2750.0
	TERRAP SANE0	11.557	115.26	2750.0	VEGETAL	2.893	28.93	4008.1
	FIRME	6.255	63.79	8558.1	D TIERRA	1.609	19.52	6487.7
1390.000	SUELO EST2	3.151	32.49	4574.1	SUELO EST1	3.272	33.62	4532.8
	TERRAPLEN	0.474	4.34	3779.9	EXCAVA SANE0	10.878	112.23	2862.2
	TERRAP SANE0	10.878	112.23	2862.2	VEGETAL	2.720	28.08	4036.2
	FIRME	6.181	62.15	8620.3	D TIERRA	1.375	14.97	6502.7
1400.000	SUELO EST2	3.081	31.13	4605.2	SUELO EST1	3.207	32.36	4565.2
	TERRAPLEN	0.611	5.46	3785.4	EXCAVA SANE0	10.462	106.64	2968.8
	TERRAP SANE0	10.462	106.64	2968.8	VEGETAL	2.617	26.67	4062.9
	FIRME	6.220	61.94	8682.2	D TIERRA	1.279	13.25	6516.0
	SUELO EST2	3.136	31.05	4636.3	SUELO EST1	3.261	32.31	4597.5
	TERRAPLEN	0.904	7.63	3793.0	EXCAVA SANE0	10.632	105.36	3074.2
	TERRAP SANE0	10.632	105.36	3074.2	VEGETAL	2.660	26.36	4089.2

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 14

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL. ACUMUL.
1410.000	FIRME		6.228		62.17	8744.4	D TIERRA		0.942		11.15	6527.1
	SUELO EST2		3.236		31.82	4668.1	SUELO EST1		3.350		33.02	4630.5
	TERRAPLEN		1.887		14.01	3807.0	EXCAVA SANE0		10.860		107.34	3181.6
1420.000	TERRAP SANE0		10.860		107.34	3181.6	VEGETAL		2.715		26.85	4116.1
	FIRME		6.228		62.20	8806.6	D TIERRA		1.213		10.96	6538.1
	SUELO EST2		3.245		32.35	4700.4	SUELO EST1		3.352		33.46	4664.0
1430.000	TERRAPLEN		2.001		19.42	3826.4	EXCAVA SANE0		10.880		108.54	3290.1
	TERRAP SANE0		10.880		108.54	3290.1	VEGETAL		2.721		27.14	4143.2
	FIRME		6.228		62.20	8868.8	D TIERRA		1.834		15.53	6553.6
1440.000	SUELO EST2		3.240		32.36	4732.8	SUELO EST1		3.347		33.44	4697.4
	TERRAPLEN		1.876		19.28	3845.7	EXCAVA SANE0		10.872		108.59	3398.7
	TERRAP SANE0		10.872		108.59	3398.7	VEGETAL		2.718		27.15	4170.4
1450.000	FIRME		6.236		62.25	8931.0	D TIERRA		2.803		23.55	6577.1
	SUELO EST2		3.230		32.28	4765.1	SUELO EST1		3.339		33.37	4730.8
	TERRAPLEN		0.761		13.07	3858.8	EXCAVA SANE0		10.853		108.46	3507.1
1460.000	TERRAP SANE0		10.853		108.46	3507.1	VEGETAL		2.713		27.11	4197.5
	FIRME		6.252		62.38	8993.4	D TIERRA		3.718		32.93	6610.1
	SUELO EST2		3.294		32.56	4797.6	SUELO EST1		3.370		33.50	4764.3
1470.000	TERRAPLEN		0.222		4.86	3863.6	EXCAVA SANE0		10.984		109.03	3616.2
	TERRAP SANE0		10.984		109.03	3616.2	VEGETAL		2.746		27.26	4224.7
	FIRME		6.268		62.56	9056.0	D TIERRA		4.698		42.30	6652.4
1480.000	SUELO EST2		3.416		33.51	4831.1	SUELO EST1		3.439		34.02	4798.3
	TERRAPLEN		0.061		1.40	3865.0	EXCAVA SANE0		11.213		110.89	3727.1
	TERRAP SANE0		11.213		110.89	3727.1	VEGETAL		2.803		27.72	4252.5
1490.000	FIRME		6.263		62.63	9118.6	D TIERRA		4.564		46.39	6698.8
	SUELO EST2		3.547		34.81	4866.0	SUELO EST1		3.445		34.41	4832.7
	TERRAPLEN		0.105		0.83	3865.9	EXCAVA SANE0		11.576		113.93	3841.0
1480.000	TERRAP SANE0		11.576		113.93	3841.0	VEGETAL		2.896		28.49	4281.0
	FIRME		6.260		62.61	9181.2	D TIERRA		4.164		43.63	6742.4
	SUELO EST2		3.604		35.76	4901.7	SUELO EST1		3.443		34.44	4867.1
1490.000	TERRAPLEN		0.509		3.09	3869.0	EXCAVA SANE0		11.990		117.86	3958.9
	TERRAP SANE0		11.990		117.86	3958.9	VEGETAL		2.998		29.47	4310.4
	FIRME		6.259		62.59	9243.8	D TIERRA		3.253		37.07	6779.5
1490.000	SUELO EST2		3.630		36.17	4937.9	SUELO EST1		3.442		34.43	4901.6
	TERRAPLEN		0.968		7.39	3876.4	EXCAVA SANE0		12.275		121.33	4080.2
	TERRAP SANE0		12.275		121.33	4080.2	VEGETAL		3.069		30.34	4340.0

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 15

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1500.000	FIRME	6.260	62.59	9306.4	D TIERRA	2.065	26.60	6806.1
	SUELO EST2	3.630	36.30	4974.2	SUELO EST1	3.443	34.43	4936.0
	TERRAPLEN	1.670	13.19	3889.5	EXCAVA SANE0	12.585	124.30	4204.5
	TERRAP SANE0	12.585	124.30	4204.5	VEGETAL	3.147	31.08	4371.8
1510.000	FIRME	6.263	62.60	9369.0	D TIERRA	1.078	15.75	6821.8
	SUELO EST2	3.632	36.31	5010.5	SUELO EST1	3.445	34.43	4970.4
	TERRAPLEN	2.935	23.16	3912.7	EXCAVA SANE0	12.816	127.04	4331.5
	TERRAP SANE0	12.816	127.04	4331.5	VEGETAL	3.204	31.76	4403.6
1520.000	FIRME	6.267	62.63	9431.6	D TIERRA	0.143	6.13	6828.0
	SUELO EST2	3.634	36.32	5046.8	SUELO EST1	3.446	34.44	5004.9
	TERRAPLEN	5.236	41.49	3954.2	EXCAVA SANE0	13.098	129.75	4461.3
	TERRAP SANE0	13.098	129.75	4461.3	VEGETAL	3.275	32.44	4436.1
1530.000	FIRME	6.253	62.56	9494.2	D TIERRA	0.000	0.72	6828.7
	SUELO EST2	3.609	36.19	5083.0	SUELO EST1	3.443	34.42	5039.3
	TERRAPLEN	8.178	68.64	4022.8	EXCAVA SANE0	13.187	131.86	4593.3

1540.000	TERRAP SANE0	13.187	131.86	4593.1	VEGETAL	3.297	32.97	4469.0
	FIRME	6.237	62.38	9556.5	D TIERRA	0.113	0.54	6829.2
	SUELO EST2	3.531	35.68	5118.7	SUELO EST1	3.439	34.37	5073.7
	TERRAPLEN	10.556	96.44	4119.3	EXCAVA SANE0	13.167	132.51	4725.6
1550.000	TERRAP SANE0	13.167	132.51	4725.6	VEGETAL	3.292	33.13	4502.1
	FIRME	6.228	62.23	9618.8	D TIERRA	0.181	1.41	6830.6
	SUELO EST2	3.500	35.15	5153.8	SUELO EST1	3.432	34.31	5108.0
	TERRAPLEN	13.769	125.54	4244.8	EXCAVA SANE0	13.264	133.20	4858.9
1560.000	TERRAP SANE0	13.264	133.20	4858.9	VEGETAL	3.316	33.30	4535.5
	FIRME	6.229	62.18	9681.0	D TIERRA	0.071	1.21	6831.8
	SUELO EST2	3.531	35.15	5189.0	SUELO EST1	3.437	34.29	5142.3
	TERRAPLEN	15.678	151.35	4396.2	EXCAVA SANE0	13.332	134.11	4993.0
1570.000	TERRAP SANE0	13.332	134.11	4993.0	VEGETAL	3.333	33.53	4569.0
	FIRME	6.228	62.18	9743.2	D TIERRA	0.000	0.34	6832.2
	SUELO EST2	3.569	35.48	5224.5	SUELO EST1	3.438	34.32	5176.6
	TERRAPLEN	18.190	173.22	4569.4	EXCAVA SANE0	13.492	135.24	5128.2
1580.000	TERRAP SANE0	13.492	135.24	5128.2	VEGETAL	3.373	33.81	4602.8
	FIRME	6.228	62.18	9805.3	SUELO EST2	3.605	35.83	5260.3
	SUELO EST1	3.438	34.33	5210.9	TERRAPLEN	19.584	192.49	4761.9
	EXCAVA SANE0	13.626	136.69	5264.9	TERRAP SANE0	13.626	136.69	5264.9
	VEGETAL	3.407	34.18	4637.0				

Istram 18.05.05.29 17/01/19 18:49:58 1880

PROYECTO :

EJE: 54: V de servicio Dch. P.K. 106+800

pagina 16

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1590.000	FIRME	6.228	62.18	9867.5	SUELO EST2	3.620	36.06	5296.4
	SUELO EST1	3.438	34.33	5245.2	TERRAPLEN	20.332	203.02	4964.9
	EXCAVA SANE0	13.745	137.94	5402.8	TERRAP SANE0	13.745	137.94	5402.8
	VEGETAL	3.437	34.49	4671.5				
	FIRME	6.228	62.18	9929.7	SUELO EST2	3.625	36.16	5332.5
1600.000	SUELO EST1	3.438	34.33	5279.6	TERRAPLEN	20.477	207.55	5172.4
	EXCAVA SANE0	13.828	138.94	5541.8	TERRAP SANE0	13.828	138.94	5541.8
	VEGETAL	3.457	34.74	4706.2				
	FIRME	6.228	62.18	9991.9	SUELO EST2	3.628	36.20	5368.7
1610.000	SUELO EST1	3.438	34.33	5313.9	TERRAPLEN	22.014	216.33	5388.8
	EXCAVA SANE0	14.059	140.56	5682.3	TERRAP SANE0	14.059	140.56	5682.3
	VEGETAL	3.515	35.14	4741.3				
	FIRME	6.228	62.18	10054.1	SUELO EST2	3.628	36.21	5404.9
1620.000	SUELO EST1	3.438	34.33	5348.2	TERRAPLEN	22.837	228.80	5617.6
	EXCAVA SANE0	14.288	142.94	5825.3	TERRAP SANE0	14.288	142.94	5825.3
	VEGETAL	3.573	35.74	4777.1				
	FIRME	6.228	62.18	10116.3	SUELO EST2	3.628	36.21	5441.1
1630.000	SUELO EST1	3.437	34.33	5382.6	TERRAPLEN	22.348	231.15	5848.7
	EXCAVA SANE0	14.350	144.49	5969.8	TERRAP SANE0	14.350	144.49	5969.8
	VEGETAL	3.588	36.13	4813.2				
	FIRME	6.234	62.22	10178.5	SUELO EST2	3.628	36.22	5477.4
1640.000	SUELO EST1	3.439	34.33	5416.9	TERRAPLEN	21.150	222.72	6071.4
	EXCAVA SANE0	14.479	145.37	6115.1	TERRAP SANE0	14.479	145.37	6115.1
	VEGETAL	3.620	36.35	4849.6				
	FIRME	6.251	62.35	10240.8	SUELO EST2	3.631	36.25	5513.6
1650.000	SUELO EST1	3.443	34.37	5451.3	TERRAPLEN	14.001	178.77	6250.2
	EXCAVA SANE0	13.757	141.89	6257.0	TERRAP SANE0	13.757	141.89	6257.0
	VEGETAL	3.440	35.48	4885.0				
	FIRME	6.267	62.54	10303.4	SUELO EST2	3.635	36.30	5549.9
1660.000	SUELO EST1	3.446	34.42	5485.7	TERRAPLEN	15.386	148.57	6398.8
	EXCAVA SANE0	14.527	141.92	6398.9	TERRAP SANE0	14.527	141.92	6398.9
	VEGETAL	3.631	35.48	4920.5				
	FIRME	6.263	62.62	10366.0	SUELO EST2	3.632	36.31	5586.2
1670.000	SUELO EST1	3.445	34.44	5520.1	TERRAPLEN	12.958	142.38	6541.1
	EXCAVA SANE0	14.233	143.93	6542.9	TERRAP SANE0	14.233	143.93	6542.9
	VEGETAL	3.558	35.98	4956.5				

Istram 18.05.05.29 17/01/19 18:49:58 1880

PROYECTO :

EJE: 54: V de servicio Dch. P.K. 106+800

pagina 17

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1680.000	FIRME	6.260	62.61	10428.6	SUELO EST2	3.630	36.30	5622.5
	SUELO EST1	3.444	34.44	5554.6	TERRAPLEN	11.028	119.94	6661.1
	EXCAVA SANE0	13.425	138.23	6681.1	TERRAP SANE0	13.425	138.23	6681.1
	VEGETAL	3.356	34.56	4991.1				
	FIRME	6.259	62.59	10491.2	SUELO EST2	3.630	36.30	5658.8
1690.000	SUELO EST1	3.443	34.43	5589.0	TERRAPLEN	11.206	111.14	6772.2
	EXCAVA SANE0	14.040	137.30	6818.4	TERRAP SANE0	14.040	137.30	6818.4
	VEGETAL	3.511	34.33	5025.4				
	FIRME	6.260	62.59	10553.8	SUELO EST2	3.631	36.30	5695.1
1700.000	SUELO EST1	3.443	34.43	5623.4	TERRAPLEN	9.381	102.96	6875.2
	EXCAVA SANE0	13.696	138.70	6957.1	TERRAP SANE0	13.696	138.70	6957.1
	VEGETAL	3.424	34.68	5060.1				
	FIRME	6.262	62.60	10616.4	SUELO EST2	3.632	36.31	5731.4
1710.000	SUELO EST1	3.444	34.43	5657.8	TERRAPLEN	8.309	88.53	6963.7
	EXCAVA SANE0	13.509	136.12	7093.2	TERRAP SANE0	13.509	136.12	7093.2
	VEGETAL	3.378	34.03	5094.1				
	FIRME	6.267	62.63	10679.0	SUELO EST2	3.633	36.31	5767.8
1720.000	SUELO EST1	3.446	34.44	5692.3	TERRAPLEN	12.737	105.04	7068.7
	EXCAVA SANE0	13.866	136.92	7230.1	TERRAP SANE0	13.866	136.92	7230.1
	VEGETAL	3.467	34.23	5128.3				
	FIRME	6.255	62.57	10741.6	SUELO EST2	3.632	36.30	5804.1

1740.000	SUELO EST1	3.443	34.43	5726.7	TERRAPLEN	11.731	121.65	7190.4
	EXCAVA SANE0	12.992	134.12	7364.3	TERRAP SANE0	12.992	134.12	7364.3
	VEGETAL	3.248	33.54	5161.9				
	FIRME	6.239	62.41	10804.0	SUELO EST2	3.629	36.27	5840.3
1750.000	SUELO EST1	3.441	34.39	5761.1	TERRAPLEN	12.309	119.50	7309.9
	EXCAVA SANE0	12.930	129.35	7493.6	TERRAP SANE0	12.930	129.35	7493.6
	VEGETAL	3.232	32.34	5194.2				
	FIRME	6.228	62.26	10866.3	SUELO EST2	3.627	36.23	5876.6
1760.000	SUELO EST1	3.439	34.36	5795.5	TERRAPLEN	12.847	125.24	7435.1
	EXCAVA SANE0	12.950	129.16	7622.8	TERRAP SANE0	12.950	129.16	7622.8
	VEGETAL	3.238	32.29	5226.5				
	FIRME	6.228	62.20	10928.5	SUELO EST2	3.627	36.22	5912.8
1770.000	SUELO EST1	3.438	34.34	5829.8	TERRAPLEN	12.887	128.38	7563.5
	EXCAVA SANE0	12.968	129.41	7752.2	TERRAP SANE0	12.968	129.41	7752.2
	VEGETAL	3.242	32.36	5258.9				

Istram 18.05.05.29 17/01/19 18:49:58 1880

PROYECTO :

EJE: 54: V de servicio Dch. P.K. 106+800

pagina 18

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** cubicacion segun distancias compensadas*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
1770.000	FIRME	6.228	62.20	10990.7	SUELO EST2	3.628	36.22	5949.0	
	SUELO EST1	3.438	34.34	5864.1	TERRAPLEN	13.395	131.17	7694.7	
	EXCAVA SANE0	12.972	129.53	7881.7	TERRAP SANE0	12.972	129.53	7881.7	
	VEGETAL	3.243	32.38	5291.2					
1780.000	FIRME	6.222	62.17	11052.8	SUELO EST2	3.623	36.20	5985.2	
	SUELO EST1	3.434	34.32	5898.5	TERRAPLEN	12.857	130.95	7825.6	
	EXCAVA SANE0	12.867	129.00	8010.7	TERRAP SANE0	12.867	129.00	8010.7	
	VEGETAL	3.217	32.25	5323.5					
1790.000	FIRME	6.196	62.03	11114.9	SUELO EST2	3.604	36.10	6021.3	
	SUELO EST1	3.415	34.21	5932.7	TERRAPLEN	11.922	123.47	7949.1	
	EXCAVA SANE0	12.712	127.68	8138.4	TERRAP SANE0	12.712	127.68	8138.4	
	VEGETAL	3.179	31.93	5355.4					
1800.000	FIRME	6.172	61.80	11176.7	SUELO EST2	3.586	35.93	6057.2	
	SUELO EST1	3.399	34.05	5966.7	TERRAPLEN	10.733	112.73	8061.8	
	EXCAVA SANE0	12.579	126.24	8264.6	TERRAP SANE0	12.579	126.24	8264.6	
	VEGETAL	3.145	31.57	5387.0					
1810.000	FIRME	6.124	61.46	11238.1	SUELO EST2	3.563	35.73	6093.0	
	SUELO EST1	3.375	33.86	6000.6	TERRAPLEN	8.199	94.15	8156.0	
	EXCAVA SANE0	12.332	124.38	8389.0	TERRAP SANE0	12.332	124.38	8389.0	
	VEGETAL	3.084	31.10	5418.1					
1820.000	FIRME	6.092	61.07	11299.2	SUELO EST2	3.515	35.38	6128.3	
	SUELO EST1	3.358	33.66	6034.2	TERRAPLEN	6.553	73.39	8229.4	
	EXCAVA SANE0	12.043	121.76	8510.8	TERRAP SANE0	12.043	121.76	8510.8	
	VEGETAL	3.011	30.44	5448.5					
1830.000	FIRME	6.075	60.83	11360.0	D TIERRA	0.578	2.90	6835.1	
	SUELO EST2	3.419	34.67	6163.0	SUELO EST1	3.342	33.50	6067.7	
	TERRAPLEN	5.797	61.58	8291.0	EXCAVA SANE0	0.000	60.19	8571.0	
	TERRAP SANE0	0.000	60.19	8571.0	VEGETAL	2.952	29.80	5478.3	
1840.000	FIRME	6.100	60.87	11420.9	D TIERRA	0.898	7.39	6842.5	
	SUELO EST2	3.376	33.97	6197.0	SUELO EST1	3.329	33.36	6101.1	
	TERRAPLEN	5.050	54.19	8345.2	VEGETAL	2.920	29.36	5507.7	
1850.000	FIRME	6.114	61.07	11482.0	D TIERRA	1.007	9.53	6852.0	
	SUELO EST2	3.360	33.67	6230.7	SUELO EST1	3.320	33.25	6134.3	
	TERRAPLEN	4.835	49.39	8394.6	VEGETAL	2.916	29.17	5536.9	
1860.000	FIRME	6.114	61.14	11543.1	D TIERRA	1.203	11.06	6863.1	
	SUELO EST2	3.346	33.52	6264.2	SUELO EST1	3.308	33.14	6167.5	
	TERRAPLEN	4.325	45.76	8440.3	VEGETAL	2.906	29.10	5566.0	

1960.000	TERRAPLEN	0.839	9.33	8653.2	VEGETAL	2.924	29.30	5831.3
	FIRME	6.114	61.14	12154.5	D TIERRA	5.915	56.59	7212.2
	SUELO EST2	3.504	35.30	6613.7	SUELO EST1	3.364	33.64	6502.5
1970.000	TERRAPLEN	0.633	7.35	8660.6	VEGETAL	2.856	28.90	5860.2
	FIRME	6.114	61.14	12215.7	D TIERRA	6.270	60.94	7273.1
	SUELO EST2	3.465	34.84	6648.6	SUELO EST1	3.363	33.63	6536.1
1980.000	TERRAPLEN	0.482	5.57	8666.1	VEGETAL	2.823	28.39	5888.6
	FIRME	6.114	61.14	12276.8	D TIERRA	6.451	63.62	7336.8
	SUELO EST2	3.407	34.36	6682.9	SUELO EST1	3.354	33.59	6569.7
	TERRAPLEN	0.347	4.14	8670.3	VEGETAL	2.784	28.04	5916.6

Istram 18.05.05.29 17/01/19 18:49:58 1880 pagina 20
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1990.000	FIRME	6.114	61.14	12337.9	D TIERRA	6.286	63.70	7400.5
	SUELO EST2	3.447	34.27	6717.2	SUELO EST1	3.363	33.58	6603.3
	TERRAPLEN	0.274	3.10	8673.4	VEGETAL	2.797	27.91	5944.5
2000.000	FIRME	6.114	61.14	12399.1	D TIERRA	6.091	61.90	7462.4
	SUELO EST2	3.429	34.38	6751.6	SUELO EST1	3.363	33.63	6636.9
	TERRAPLEN	0.221	2.47	8675.9	VEGETAL	2.784	27.90	5972.4
2010.000	FIRME	6.114	61.14	12460.2	D TIERRA	5.548	58.21	7520.6
	SUELO EST2	3.427	34.28	6785.9	SUELO EST1	3.363	33.63	6670.5
	TERRAPLEN	0.228	2.24	8678.1	VEGETAL	2.784	27.84	6000.3
2020.000	FIRME	6.114	61.14	12521.4	D TIERRA	4.886	52.19	7572.8
	SUELO EST2	3.308	33.68	6819.5	SUELO EST1	3.347	33.55	6704.1
	TERRAPLEN	0.189	2.08	8680.2	VEGETAL	2.724	27.54	6027.8
2030.000	FIRME	6.114	61.14	12582.5	D TIERRA	4.169	45.29	7618.1
	SUELO EST2	3.239	32.74	6852.3	SUELO EST1	3.309	33.28	6737.4
	TERRAPLEN	0.152	1.70	8681.9	VEGETAL	2.690	27.07	6054.9
2040.000	FIRME	6.114	61.14	12643.6	D TIERRA	3.622	38.97	7657.0
	SUELO EST2	3.255	32.47	6884.7	SUELO EST1	3.325	33.17	6770.5
	TERRAPLEN	0.172	1.62	8683.5	VEGETAL	2.698	26.94	6081.8
2050.000	FIRME	6.114	61.14	12704.8	D TIERRA	3.109	33.67	7690.7
	SUELO EST2	3.269	32.62	6917.4	SUELO EST1	3.336	33.30	6803.8
	TERRAPLEN	0.166	1.69	8685.2	VEGETAL	2.705	27.01	6108.8
2060.000	FIRME	6.114	61.14	12765.9	D TIERRA	2.227	26.69	7717.4
	SUELO EST2	3.294	32.82	6950.2	SUELO EST1	3.346	33.41	6837.2
	TERRAPLEN	0.195	1.80	8687.0	VEGETAL	2.717	27.11	6135.9
2070.000	FIRME	6.114	61.14	12827.1	D TIERRA	1.318	17.73	7735.1
	SUELO EST2	3.293	32.94	6983.1	SUELO EST1	3.342	33.44	6870.7
	TERRAPLEN	0.260	2.27	8689.3	VEGETAL	2.716	27.17	6163.1
2080.000	FIRME	6.114	61.14	12888.2	D TIERRA	0.637	9.78	7744.9
	SUELO EST2	3.332	33.12	7016.2	SUELO EST1	3.354	33.48	6904.1
	TERRAPLEN	0.345	3.03	8692.3	VEGETAL	2.735	27.26	6190.4
2090.000	FIRME	6.114	61.14	12949.3	D TIERRA	0.354	4.96	7749.9
	SUELO EST2	3.375	33.53	7049.8	SUELO EST1	3.357	33.55	6937.7
	TERRAPLEN	0.515	4.30	8696.6	VEGETAL	2.757	27.46	6217.8
2100.000	FIRME	6.114	61.14	13010.5	D TIERRA	0.342	3.48	7753.3
	SUELO EST2	3.391	33.83	7083.6	SUELO EST1	3.356	33.57	6971.3
	TERRAPLEN	0.821	6.68	8703.3	VEGETAL	2.768	27.62	6245.5

Istram 18.05.05.29 17/01/19 18:49:58 1880 pagina 21
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2110.000	FIRME	6.114	61.14	13071.6	D TIERRA	0.203	2.72	7756.1
	SUELO EST2	3.450	34.20	7117.8	SUELO EST1	3.361	33.59	7004.8
	TERRAPLEN	2.493	16.56	8719.8	VEGETAL	2.844	28.05	6273.5
2120.000	FIRME	6.114	61.14	13132.8	D TIERRA	0.065	1.34	7757.4
	SUELO EST2	3.475	34.62	7152.4	SUELO EST1	3.364	33.63	7038.5
	TERRAPLEN	2.998	27.44	8747.3	VEGETAL	2.858	28.51	6302.0
2130.000	FIRME	6.114	61.14	13193.9	D TIERRA	0.004	0.35	7757.7
	SUELO EST2	3.496	34.85	7187.3	SUELO EST1	3.364	33.64	7072.1
	TERRAPLEN	2.766	28.80	8776.1	VEGETAL	2.866	28.62	6330.6
2140.000	FIRME	6.114	61.14	13255.0	D TIERRA	0.000	0.02	7757.8
	SUELO EST2	3.520	35.08	7222.4	SUELO EST1	3.363	33.63	7105.7
	TERRAPLEN	9.368	60.64	8836.7	VEGETAL	3.038	29.52	6360.1
2150.000	FIRME	6.114	61.14	13316.2	SUELO EST2	3.541	35.30	7257.7
	SUELO EST1	3.363	33.63	7139.4	TERRAPLEN	5.381	73.72	8910.4
	VEGETAL	2.904	29.71	6389.8				
2160.000	FIRME	6.114	61.14	13377.3	SUELO EST2	3.553	35.47	7293.1
	SUELO EST1	3.364	33.63	7173.0	TERRAPLEN	5.802	55.91	8966.3
	VEGETAL	2.939	29.21	6419.1				
2170.000	FIRME	6.114	61.14	13438.5	SUELO EST2	3.557	35.55	7328.7
	SUELO EST1	3.363	33.63	7206.7	TERRAPLEN	12.833	93.15	9059.5
	VEGETAL	3.147	30.43	6449.5				
2180.000	FIRME	6.114	61.14	13499.6	SUELO EST2	3.556	35.57	7364.2
	SUELO EST1	3.364	33.64	7240.3	TERRAPLEN	14.357	135.91	9195.4
	VEGETAL	3.193	31.70	6481.2				
2190.000	FIRME	6.114	61.14	13560.7	SUELO EST2	3.557	35.56	7399.8
	SUELO EST1	3.364	33.64	7273.9	TERRAPLEN	15.906	151.27	9346.7
	VEGETAL	3.237	32.15	6513.3				
2200.000	FIRME	6.114	61.14	13621.9	SUELO EST2	3.556	35.56	7435.4
	SUELO EST1	3.363	33.63	7307.6	TERRAPLEN	9.776	128.39	9475.1
	VEGETAL	3.076	31.56	6544.9				
2210.000	FIRME	6.114	61.14	13683.0	SUELO EST2	3.556	35.56	7470.9
	SUELO EST1	3.364	33.64	7341.2	TERRAPLEN	10.789	102.83	9577.9

2220.000	VEGETAL	3.108	30.92	6575.8	SUELO EST2	3.556	35.56	7506.5
	FIRME	6.114	61.14	13744.2				
	SUELO EST1	3.364	33.64	7374.8				
	VEGETAL	3.161	31.35	6607.2	TERRAPLEN	12.318	115.54	9693.4

Istram 18.05.05.29 17/01/19 18:49:58 1880 pagina 22
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2230.000	FIRME	6.114	61.14	13805.3	SUELO EST2	3.556	35.56	7542.1
	SUELO EST1	3.364	33.64	7408.5	TERRAPLEN	14.107	132.13	9825.5
	VEGETAL	3.226	31.94	6639.1				
2240.000	FIRME	6.114	61.14	13866.4	SUELO EST2	3.556	35.56	7577.6
	SUELO EST1	3.364	33.64	7442.1	TERRAPLEN	16.288	151.98	9977.5
	VEGETAL	3.306	32.66	6671.8				
2250.000	FIRME	6.114	61.14	13927.6	SUELO EST2	3.556	35.56	7613.2
	SUELO EST1	3.364	33.64	7475.7	TERRAPLEN	18.764	175.27	10152.8
	VEGETAL	3.402	33.54	6705.3				
2260.000	FIRME	6.114	61.14	13988.7	SUELO EST2	3.557	35.56	7648.7
	SUELO EST1	3.364	33.64	7509.4	TERRAPLEN	21.517	201.41	10354.2
	VEGETAL	3.506	34.54	6739.8				
2270.000	FIRME	6.114	61.14	14049.9	SUELO EST2	3.555	35.56	7684.3
	SUELO EST1	3.364	33.64	7543.0	TERRAPLEN	24.804	231.61	10585.8
	VEGETAL	3.619	35.62	6775.5				
2280.000	FIRME	6.114	61.14	14111.0	SUELO EST2	3.556	35.56	7719.9
	SUELO EST1	3.364	33.64	7576.7	TERRAPLEN	28.723	267.64	10853.5
	VEGETAL	3.743	36.81	6812.3				
2290.000	FIRME	6.114	61.14	14172.1	SUELO EST2	3.556	35.56	7755.4
	SUELO EST1	3.364	33.64	7610.3	TERRAPLEN	33.141	309.33	11162.8
	VEGETAL	3.871	38.07	6850.3				
2300.000	FIRME	6.114	61.14	14233.3	SUELO EST2	3.555	35.56	7791.0
	SUELO EST1	3.364	33.64	7643.9	TERRAPLEN	48.861	410.00	11572.8
	VEGETAL	4.196	40.33	6890.7				
2310.000	FIRME	6.114	61.14	14294.4	SUELO EST2	3.556	35.56	7826.5
	SUELO EST1	3.363	33.64	7677.6	TERRAPLEN	53.804	513.29	12086.1
	VEGETAL	4.324	42.59	6933.3				
2320.000	FIRME	6.114	61.14	14355.6	SUELO EST2	3.557	35.56	7862.1
	SUELO EST1	3.364	33.63	7711.2	TERRAPLEN	58.648	562.22	12648.3
	VEGETAL	4.431	43.77	6977.0				
2330.000	FIRME	6.114	61.14	14416.7	SUELO EST2	3.556	35.56	7897.7
	SUELO EST1	3.364	33.64	7744.8	TERRAPLEN	50.011	543.27	13191.6
	VEGETAL	4.385	44.08	7021.1				
2340.000	FIRME	6.114	61.14	14477.8	SUELO EST2	3.556	35.56	7933.2
	SUELO EST1	3.364	33.64	7778.5	TERRAPLEN	54.509	522.59	13714.1
	VEGETAL	4.499	44.42	7065.5				

Istram 18.05.05.29 17/01/19 18:49:58 1880 pagina 23
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2350.000	FIRME	6.103	61.08	14538.9	SUELO EST2	3.551	35.53	7968.8
	SUELO EST1	3.359	33.61	7812.1	TERRAPLEN	59.653	570.80	14284.9
	VEGETAL	4.631	45.65	7111.2				
2360.000	FIRME	6.081	60.92	14599.9	SUELO EST2	3.540	35.45	8004.2
	SUELO EST1	3.350	33.54	7845.6	TERRAPLEN	79.095	693.73	14978.7
	VEGETAL	4.921	47.76	7158.9				
2370.000	FIRME	6.070	60.76	14660.6	SUELO EST2	3.535	35.37	8039.6

PROYECTO :
EJE: 54: V_{de} de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2470.000	FIRME	9.394		79.19	15290.4	SUELO EST2	5.199		44.62	8405.1
	SUELO EST1	5.009		42.73	8225.7	TERRAPLEN	99.951		990.33	26002.7
	VEGETAL	6.159		56.25	7762.7					
2474.177	FIRME	12.163		45.01	15335.4	SUELO EST2	6.582		24.60	8429.6
	SUELO EST1	6.393		23.81	8249.5	TERRAPLEN	105.084		420.11	26422.8
	VEGETAL	7.129		27.46	7790.2					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V_{de} de servicio Dch. P.K. 106+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	15335.4
D TIERRA	7757.8
SUELO EST2	8429.6
SUELO EST1	8249.5
TERRAPLEN	26422.8
EXCAVA SANE0	8571.0
TERRAP SANE0	8571.0
VEGETAL	7790.2

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V_{de} de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	12.678		0.00	0.0	SUELO EST2	6.763		0.00	0.0
	SUELO EST1	6.564		0.00	0.0	TERRAPLEN	128.401		0.00	0.0
	EXCAVA SANE0	30.352		0.00	0.0	TERRAP SANE0	30.352		0.00	0.0
	VEGETAL	7.143		0.00	0.0					
10.000	FIRME	7.400		101.06	101.1	SUELO EST2	4.074		54.52	54.5
	SUELO EST1	3.873		52.50	52.5	TERRAPLEN	109.157		1186.59	1186.6
	EXCAVA SANE0	24.765		275.33	275.3	TERRAP SANE0	24.765		275.33	275.3
	VEGETAL	5.827		64.79	64.8					
20.000	FIRME	6.364		68.95	170.0	SUELO EST2	3.605		38.44	93.0
	SUELO EST1	3.401		36.41	88.9	TERRAPLEN	99.866		1047.03	2233.6
	EXCAVA SANE0	24.116		244.51	519.8	TERRAP SANE0	24.116		244.51	519.8
	VEGETAL	5.674		57.53	122.3					
30.000	FIRME	6.504		64.39	234.4	SUELO EST2	3.660		36.33	129.3
	SUELO EST1	3.455		34.29	123.2	TERRAPLEN	98.773		994.74	3228.4
	EXCAVA SANE0	24.098		241.31	761.2	TERRAP SANE0	24.098		241.31	761.2
	VEGETAL	5.669		56.77	179.1					
40.000	FIRME	6.505		65.10	299.5	SUELO EST2	3.660		36.60	165.9
	SUELO EST1	3.455		34.56	157.8	TERRAPLEN	95.474		972.80	4201.2
	EXCAVA SANE0	23.799		239.73	1000.9	TERRAP SANE0	23.799		239.73	1000.9
	VEGETAL	5.599		56.40	235.5					
50.000	FIRME	6.504		65.10	364.6	SUELO EST2	3.660		36.60	202.5
	SUELO EST1	3.455		34.56	192.3	TERRAPLEN	90.800		932.76	5133.9
	EXCAVA SANE0	23.371		236.06	1236.9	TERRAP SANE0	23.371		236.06	1236.9
	VEGETAL	5.499		55.54	291.0					
60.000	FIRME	6.504		65.10	429.7	SUELO EST2	3.659		36.60	239.1
	SUELO EST1	3.455		34.56	226.9	TERRAPLEN	84.005		875.16	6009.1
	EXCAVA SANE0	22.116		227.46	1464.4	TERRAP SANE0	22.116		227.46	1464.4
	VEGETAL	5.204		53.52	344.6					
70.000	FIRME	6.504		65.10	494.8	SUELO EST2	3.660		36.60	275.7
	SUELO EST1	3.455		34.56	261.4	TERRAPLEN	75.262		797.03	6806.1
	EXCAVA SANE0	20.852		214.58	1679.0	TERRAP SANE0	20.852		214.58	1679.0
	VEGETAL	4.906		50.49	395.0					
80.000	FIRME	6.505		65.10	559.9	SUELO EST2	3.659		36.60	312.3
	SUELO EST1	3.455		34.56	296.0	TERRAPLEN	65.632		704.60	7510.7
	EXCAVA SANE0	19.589		201.75	1880.7	TERRAP SANE0	19.589		201.75	1880.7
	VEGETAL	4.609		47.47	442.5					

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V_{de} de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	6.504		65.10	625.0	SUELO EST2	3.660		36.60	348.9
	SUELO EST1	3.456		34.56	330.6	TERRAPLEN	55.726		606.50	8117.2
	EXCAVA SANE0	18.511		189.97	2070.7	TERRAP SANE0	18.511		189.97	2070.7
	VEGETAL	4.356		44.70	487.2					
100.000	FIRME	6.500		65.08	690.1	SUELO EST2	3.659		36.60	385.5
	SUELO EST1	3.454		34.56	365.1	TERRAPLEN	47.726		516.88	8634.1
	EXCAVA SANE0	17.926		181.73	2252.4	TERRAP SANE0	17.926		181.73	2252.4
	VEGETAL	4.218		42.77	530.0					
110.000	FIRME	6.463		64.86	754.9	SUELO EST2	3.646		36.53	422.0
	SUELO EST1	3.444		34.50	399.6	TERRAPLEN	46.648		471.28	9105.4
	EXCAVA SANE0	17.903		178.78	2431.2	TERRAP SANE0	17.903		178.78	2431.2

120.000	VEGETAL	4.212	42.07	572.0						
	FIRME	6.425	64.47	819.4	SUELO EST2	3.635	36.41	458.4		
	SUELO EST1	3.435	34.40	434.0	TERRAPLEN	35.689	411.22	9516.6		
	EXCAVA SANE0	17.044	174.50	2605.7	TERRAP SANE0	17.044	174.50	2605.7		
130.000	VEGETAL	4.010	41.05	613.1						
	FIRME	6.411	64.20	883.6	SUELO EST2	3.630	36.33	494.8		
	SUELO EST1	3.431	34.33	468.4	TERRAPLEN	30.287	329.74	9846.3		
	EXCAVA SANE0	16.670	168.48	2774.2	TERRAP SANE0	16.670	168.48	2774.2		
	VEGETAL	3.923	39.64	652.7						
140.000	FIRME	6.410	64.11	947.7	SUELO EST2	3.630	36.30	531.1		
	SUELO EST1	3.431	34.31	502.7	TERRAPLEN	34.237	322.46	10168.8		
	EXCAVA SANE0	16.779	167.17	2941.4	TERRAP SANE0	16.779	167.17	2941.4		
	VEGETAL	3.948	39.34	692.1						
150.000	FIRME	6.378	63.94	1011.7	SUELO EST2	3.626	36.28	567.3		
	SUELO EST1	3.426	34.28	536.9	TERRAPLEN	28.425	313.19	10482.0		
	EXCAVA SANE0	16.043	164.06	3105.4	TERRAP SANE0	16.043	164.06	3105.4		
	VEGETAL	3.775	38.60	730.7						
160.000	FIRME	6.346	63.62	1075.3	SUELO EST2	3.621	36.23	603.6		
	SUELO EST1	3.421	34.23	571.2	TERRAPLEN	22.514	254.67	10736.7		
	EXCAVA SANE0	15.231	156.36	3261.8	TERRAP SANE0	15.231	156.36	3261.8		
	VEGETAL	3.584	36.79	767.5						
170.000	FIRME	6.314	63.30	1138.6	SUELO EST2	3.616	36.18	639.8		
	SUELO EST1	3.416	34.18	605.4	TERRAPLEN	17.638	200.76	10937.4		
	EXCAVA SANE0	14.474	148.53	3410.3	TERRAP SANE0	14.474	148.53	3410.3		
	VEGETAL	3.406	34.95	802.4						

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V_{de} de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
180.000	FIRME	6.303		63.09	1201.7	SUELO EST2	3.614		36.15	675.9
	SUELO EST1	3.414		34.15	639.5	TERRAPLEN	13.228		154.33	11091.7
	EXCAVA SANE0	13.786		141.30	3551.6	TERRAP SANE0	13.786		141.30	3551.6
	VEGETAL	3.244		33.25	835.7					
190.000	FIRME	6.303		63.03	1264.7	D TIERRA	0.049		0.25	0.2
	SUELO EST2	3.603		36.09	712.0	SUELO EST1	3.415		34.15	673.7
	TERRAPLEN	8.515		108.72	11200.5	EXCAVA SANE0	12.399		130.92	3682.5
	TERRAP SANE0	12.399		130.92	3682.5	VEGETAL	3.077		31.61	867.3
200.000	FIRME	6.303		63.03	1327.8	D TIERRA	1.824		9.36	9.6
	SUELO EST2	3.440		35.22	747.2	SUELO EST1	3.410		34.12	707.8
	TERRAPLEN	0.000		42.58	11243.0	EXCAVA SANE0	0.000		61.99	3744.5
	TERRAP SANE0	0.000		61.99	3744.5	VEGETAL	2.806		29.42	896.7
210.000	FIRME	6.303		63.03	1390.8	D TIERRA	0.310		10.67	20.3
	SUELO EST2	3.357		33.99	781.2	SUELO EST1	3.321		33.66	741.4
	TERRAPLEN	1.598		7.99	11251.0	EXCAVA SANE0	9.532		47.66	3792.2
	TERRAP SANE0	9.532		47.66	3792.2	VEGETAL	2.785		27.96	924.6
220.000	FIRME	6.289		62.96	1453.7	D TIERRA	0.894		6.02	26.3
	SUELO EST2	3.264		33.11	814.3	SUELO EST1	3.281		33.01	774.5
	TERRAPLEN	0.148		8.73	11259.8	EXCAVA SANE0	4.727		71.30	3863.5
	TERRAP SANE0	4.727		71.30	3863.5	VEGETAL	2.704		27.44	952.1
230.000	FIRME	6.276		62.83	1516.6	D TIERRA	2.089		14.91	41.2
	SUELO EST2	3.180		32.22	846.5	SUELO EST1	3.255		32.68	807.1
	TERRAPLEN	0.000		0.74	11260.5	EXCAVA SANE0	0.000		23.63	3887.1
	TERRAP SANE0	0.000		23.63	3887.1	VEGETAL	2.654		26.79	978.9
240.000	FIRME	6.396		63.36	1579.9	D TIERRA	2.687		23.88	65.1
	SUELO EST2	3.141		31.61	878.1	SUELO EST1	3.234		32.45	839.6
	TERRAPLEN	0.022		0.11	11260.6	EXCAVA SANE0	0.183		0.91	3888.0
	TERRAP SANE0	0.183		0.91	3888.0	VEGETAL	2.729		26.91	1005.8
250.000	FIRME	6.388		63.92	1643.9	D TIERRA	2.522		26.04	91.1
	SUELO EST2	3.149		31.45	909.6	SUELO EST1	3.235		32.35	871.9
	TERRAPLEN	0.021		0.21	11260.8	EXCAVA SANE0	0.179		1.81	3889.8
	TERRAP SANE0	0.179		1.81	3889.8	VEGETAL	2.730		27.29	1033.1
260.000	FIRME	6.285		63.37	1707.2	D TIERRA	1.801		21.61	112.7
	SUELO EST2	3.122		31.35	940.9	SUELO EST1	3.187		32.11	904.0
	TERRAPLEN	0.027		0.24	11261.1	EXCAVA SANE0	0.234		2.07	3891.9
	TERRAP SANE0	0.234		2.07	3891.9	VEGETAL	2.683		27.07	1060.2

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V_{de} de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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320.000	SUELO EST2	3.360	33.51	1105.1	SUELO EST1	3.325	33.21	1068.5
	TERRAPLEN	1.449	11.88	11283.7	EXCAVA SANE0	9.322	87.79	4136.7
	TERRAP SANE0	9.322	87.79	4136.7	VEGETAL	2.787	27.76	1196.6
	FIRME	6.303	63.03	2085.0	D TIERRA	0.367	3.86	163.8
330.000	SUELO EST2	3.362	33.61	1138.7	SUELO EST1	3.322	33.24	1101.8
	TERRAPLEN	1.883	16.66	11300.3	EXCAVA SANE0	10.136	97.29	4234.0
	TERRAP SANE0	10.136	97.29	4234.0	VEGETAL	2.797	27.92	1224.5
	FIRME	6.303	63.03	2148.1	D TIERRA	0.370	3.69	167.4
340.000	SUELO EST2	3.359	33.61	1172.3	SUELO EST1	3.319	33.21	1135.0
	TERRAPLEN	2.150	20.17	11320.5	EXCAVA SANE0	10.569	103.53	4337.5
	TERRAP SANE0	10.569	103.53	4337.5	VEGETAL	2.803	28.00	1252.5
	FIRME	6.303	63.03	2211.1	D TIERRA	0.367	3.68	171.1
350.000	SUELO EST2	3.367	33.63	1205.9	SUELO EST1	3.327	33.23	1168.2
	TERRAPLEN	2.453	23.01	11343.5	EXCAVA SANE0	10.615	105.92	4443.4
	TERRAP SANE0	10.615	105.92	4443.4	VEGETAL	2.818	28.10	1280.6
	FIRME	6.303	63.03	2274.1	D TIERRA	0.360	3.63	174.8
	SUELO EST2	3.414	33.91	1239.9	SUELO EST1	3.370	33.49	1201.7
	TERRAPLEN	2.878	26.65	11370.2	EXCAVA SANE0	10.746	106.80	4550.2
	TERRAP SANE0	10.746	106.80	4550.2	VEGETAL	2.853	28.36	1309.0

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 5

PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
360.000	FIRME	6.303	63.03	2337.1	D TIERRA	0.339	3.50	178.3
	SUELO EST2	3.456	34.35	1274.2	SUELO EST1	3.396	33.83	1235.5
	TERRAPLEN	3.259	30.68	11400.8	EXCAVA SANE0	10.868	108.07	4658.3
	TERRAP SANE0	10.868	108.07	4658.3	VEGETAL	2.884	28.69	1337.6
370.000	FIRME	6.304	63.03	2400.2	D TIERRA	0.305	3.22	181.5
	SUELO EST2	3.493	34.74	1308.9	SUELO EST1	3.409	34.02	1269.5
	TERRAPLEN	3.467	33.63	11434.5	EXCAVA SANE0	10.978	109.23	4767.5
	TERRAP SANE0	10.978	109.23	4767.5	VEGETAL	2.909	28.97	1366.6
380.000	FIRME	6.303	63.03	2463.2	D TIERRA	0.264	2.85	184.3
	SUELO EST2	3.529	35.11	1344.1	SUELO EST1	3.415	34.12	1303.7
	TERRAPLEN	3.590	35.28	11469.7	EXCAVA SANE0	11.084	110.31	4877.8
	TERRAP SANE0	11.084	110.31	4877.8	VEGETAL	2.931	29.20	1395.8
390.000	FIRME	6.304	63.03	2526.2	D TIERRA	0.231	2.47	186.8
	SUELO EST2	3.552	35.40	1379.5	SUELO EST1	3.415	34.15	1337.8
	TERRAPLEN	3.818	37.04	11506.8	EXCAVA SANE0	11.174	111.29	4989.1
	TERRAP SANE0	11.174	111.29	4989.1	VEGETAL	2.947	29.39	1425.2
400.000	FIRME	6.303	63.03	2589.3	D TIERRA	0.197	2.14	188.9
	SUELO EST2	3.566	35.59	1415.0	SUELO EST1	3.414	34.14	1371.9
	TERRAPLEN	4.248	40.33	11547.1	EXCAVA SANE0	11.297	112.36	5101.5
	TERRAP SANE0	11.297	112.36	5101.5	VEGETAL	2.963	29.55	1454.7
410.000	FIRME	6.303	63.03	2652.3	D TIERRA	0.166	1.82	190.8
	SUELO EST2	3.579	35.72	1450.8	SUELO EST1	3.415	34.14	1406.1
	TERRAPLEN	4.534	43.91	11591.0	EXCAVA SANE0	11.382	113.39	5214.9
	TERRAP SANE0	11.382	113.39	5214.9	VEGETAL	2.978	29.70	1484.4
420.000	FIRME	6.303	63.03	2715.3	D TIERRA	0.138	1.52	192.3
	SUELO EST2	3.588	35.83	1486.6	SUELO EST1	3.414	34.14	1440.2
	TERRAPLEN	4.721	46.28	11637.3	EXCAVA SANE0	11.453	114.18	5329.0
	TERRAP SANE0	11.453	114.18	5329.0	VEGETAL	2.989	29.83	1514.3
430.000	FIRME	6.303	63.03	2778.4	D TIERRA	0.115	1.26	193.5
	SUELO EST2	3.594	35.91	1522.5	SUELO EST1	3.415	34.15	1474.4
	TERRAPLEN	4.816	47.69	11685.0	EXCAVA SANE0	11.504	114.78	5443.8
	TERRAP SANE0	11.504	114.78	5443.8	VEGETAL	2.995	29.92	1544.2
440.000	FIRME	6.303	63.03	2841.4	D TIERRA	0.130	1.22	194.8
	SUELO EST2	3.590	35.92	1558.4	SUELO EST1	3.414	34.15	1508.5
	TERRAPLEN	4.701	47.58	11732.6	EXCAVA SANE0	11.452	114.78	5558.6
	TERRAP SANE0	11.452	114.78	5558.6	VEGETAL	2.987	29.91	1574.1

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 6

PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
450.000	FIRME	6.304	63.03	2904.4	D TIERRA	0.163	1.46	196.2
	SUELO EST2	3.580	35.85	1594.3	SUELO EST1	3.415	34.15	1542.7
	TERRAPLEN	4.453	45.77	11778.3	EXCAVA SANE0	11.355	114.03	5672.6
	TERRAP SANE0	11.355	114.03	5672.6	VEGETAL	2.974	29.81	1603.9
460.000	FIRME	6.303	63.03	2967.5	D TIERRA	0.199	1.81	198.0
	SUELO EST2	3.567	35.74	1630.0	SUELO EST1	3.414	34.15	1576.8
	TERRAPLEN	3.946	41.99	11820.3	EXCAVA SANE0	11.228	112.92	5785.5
	TERRAP SANE0	11.228	112.92	5785.5	VEGETAL	2.954	29.64	1633.5
470.000	FIRME	6.303	63.03	3030.5	D TIERRA	0.239	2.19	200.2
	SUELO EST2	3.548	35.57	1665.6	SUELO EST1	3.414	34.14	1611.0
	TERRAPLEN	3.442	36.94	11857.3	EXCAVA SANE0	11.085	111.56	5897.1
	TERRAP SANE0	11.085	111.56	5897.1	VEGETAL	2.932	29.43	1663.0
480.000	FIRME	6.304	63.03	3093.5	D TIERRA	0.299	2.69	202.9
	SUELO EST2	3.520	35.34	1700.9	SUELO EST1	3.414	34.14	1645.1
	TERRAPLEN	3.056	32.49	11889.8	EXCAVA SANE0	10.932	110.08	6007.2
	TERRAP SANE0	10.932	110.08	6007.2	VEGETAL	2.910	29.21	1692.2
490.000	FIRME	6.303	63.03	3156.6	D TIERRA	0.322	3.10	206.0
	SUELO EST2	3.501	35.11	1736.1	SUELO EST1	3.411	34.12	1679.2
	TERRAPLEN	2.640	28.48	11918.2	EXCAVA SANE0	10.851	108.92	6116.1
	TERRAP SANE0	10.851	108.92	6116.1	VEGETAL	2.890	29.00	1721.2
500.000	FIRME	6.304	63.03	3219.6	D TIERRA	0.326	3.24	209.3
	SUELO EST2	3.486	34.94	1771.0	SUELO EST1	3.407	34.09	1713.3
	TERRAPLEN	2.226	24.33	11942.6	EXCAVA SANE0	10.793	108.22	6224.3

510.000	TERRAP SANE0	10.793	108.22	6224.3	VEGETAL	2.870	28.80	1750.0
	FIRME	6.303	63.03	3282.7	D TIERRA	0.338	3.32	212.6
	SUELO EST2	3.471	34.79	1805.8	SUELO EST1	3.402	34.05	1747.4
	TERRAPLEN	1.797	20.11	11962.7	EXCAVA SANE0	10.244	105.18	6329.5
520.000	TERRAP SANE0	10.244	105.18	6329.5	VEGETAL	2.853	28.62	1778.6
	FIRME	6.303	63.03	3345.7	D TIERRA	0.387	3.63	216.2
	SUELO EST2	3.454	34.62	1840.4	SUELO EST1	3.397	34.00	1781.4
	TERRAPLEN	1.343	15.70	11978.4	EXCAVA SANE0	9.383	98.14	6427.6
530.000	TERRAP SANE0	9.383	98.14	6427.6	VEGETAL	2.833	28.43	1807.0
	FIRME	6.304	63.03	3408.7	D TIERRA	0.475	4.31	220.5
	SUELO EST2	3.427	34.40	1874.8	SUELO EST1	3.386	33.92	1815.3
	TERRAPLEN	0.929	11.36	11989.8	EXCAVA SANE0	8.512	89.48	6517.1
	TERRAP SANE0	8.512	89.48	6517.1	VEGETAL	2.813	28.23	1835.3

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 7

PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500
***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
***** cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
540.000	FIRME	6.303		63.03		3471.8		D TIERRA	0.632		5.53		226.1	
	SUELO EST2	3.394		34.11		1908.9		SUELO EST1	3.374		33.80		1849.1	
	TERRAPLEN	0.491		7.10		11996.9		EXCAVA SANE0	7.315		79.13		6596.2	
	TERRAP SANE0	7.315		79.13		6596.2		VEGETAL	2.789		28.01		1863.3	
550.000	FIRME	6.304		63.03		3534.8		D TIERRA	0.916		7.74		233.8	
	SUELO EST2	3.350		33.72		1942.6		SUELO EST1	3.354		33.64		1882.7	
	TERRAPLEN	0.136		3.14		12000.0		EXCAVA SANE0	4.494		59.05		6655.3	
	TERRAP SANE0	4.494		59.05		6655.3		VEGETAL	2.762		27.75		1891.0	
560.000	FIRME	6.303		63.03		3597.8		D TIERRA	1.567		12.41		246.2	
	SUELO EST2	3.276		33.13		1975.8		SUELO EST1	3.323		33.39		1916.1	
	TERRAPLEN	0.000		0.68		12000.7		EXCAVA SANE0	0.000		22.47		6677.8	
	TERRAP SANE0	0.000		22.47		6677.8		VEGETAL	2.721		27.41		1918.4	
570.000	FIRME	6.298		63.00		3660.8		D TIERRA	4.245		29.06		275.3	
	SUELO EST2	3.192		32.34		2008.1		SUELO EST1	3.286		33.05		1949.1	
	VEGETAL	2.672		26.97		1945.4								
	FIRME	6.277		62.87		3723.7		D TIERRA	6.348		52.96		328.2	
580.000	SUELO EST2	3.030		31.11		2039.2		SUELO EST1	3.150		32.18		1981.3	
	VEGETAL	2.573		26.23		1971.6								
	FIRME	6.270		62.73		3786.4		D TIERRA	6.382		63.65		391.9	
	SUELO EST2	2.951		29.90		2069.1		SUELO EST1	3.070		31.10		2012.4	
590.000	TERRAPLEN	0.020		0.10		12000.8		EXCAVA SANE0	0.166		0.83		6678.6	
	TERRAP SANE0	0.166		0.83		6678.6		VEGETAL	2.586		25.79		1997.4	
	FIRME	6.333		63.02		3849.4		D TIERRA	2.766		45.74		437.6	
	SUELO EST2	3.135		30.43		2099.5		SUELO EST1	3.211		31.41		2043.8	
600.000	TERRAPLEN	0.020		0.20		12001.0		EXCAVA SANE0	0.165		1.65		6680.2	
	TERRAP SANE0	0.165		1.65		6680.2		VEGETAL	2.706		26.46		2023.9	
	FIRME	6.410		63.71		3913.2		D TIERRA	3.947		33.57		471.2	
	SUELO EST2	3.133		31.34		2130.9		SUELO EST1	3.234		32.23		2076.1	
610.000	TERRAPLEN	0.020		0.20		12001.2		EXCAVA SANE0	0.165		1.65		6681.9	
	TERRAP SANE0	0.165		1.65		6681.9		VEGETAL	2.728		27.17		2051.0	
	FIRME	6.759		65.85		3979.0		D TIERRA	5.317		46.32		517.5	
	SUELO EST2	3.251		31.92		2162.8		SUELO EST1	3.364		32.99		2109.1	
620.000	TERRAPLEN	0.018		0.19		12001.4		EXCAVA SANE0	0.146		1.56		6683.5	
	TERRAP SANE0	0.146		1.56		6683.5		VEGETAL	2.852		27.90		2078.9	
	FIRME	6.760		67.59		4046.6		D TIERRA	6.085		57.01		574.5	
	SUELO EST2	3.221		32.36		2195.2		SUELO EST1	3.340		33.52		2142.6	
630.000	TERRAPLEN	0.011		0.14		12001.5		EXCAVA SANE0	0.088		1.17		6684.6	
	TERRAP SANE0	0.088		1.17		6684.6		VEGETAL	2.844		28.48		2107.4	

720.000	FIRME	6.759	67.59	4654.5	D TIERRA	5.703	60.08	1217.9
	SUELO EST2	3.221	32.08	2481.2	SUELO EST1	3.340	33.27	2439.4
	TERRAPLEN	0.013	0.10	12003.0	EXCAVA SANE0	0.106	0.82	6686.7
	TERRAP SANE0	0.106	0.82	6686.7	VEGETAL	2.842	28.38	2363.2
730.000	FIRME	6.759	67.59	4722.1	D TIERRA	4.999	53.51	1271.4
	SUELO EST2	3.249	32.35	2513.5	SUELO EST1	3.362	33.51	2472.9
	TERRAPLEN	0.019	0.16	12003.1	EXCAVA SANE0	0.161	1.33	6688.0
	TERRAP SANE0	0.161	1.33	6688.0	VEGETAL	2.850	28.46	2391.6

Istram 18.05.05.29 17/01/19 18:49:59 1880

PROYECTO :

EJE: 55: V de servicio Dch. P.K. 108+500

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
740.000	FIRME	6.394	65.77	4787.9	D TIERRA	3.667	43.33	1314.8
	SUELO EST2	3.120	31.85	2545.4	SUELO EST1	3.225	32.94	2505.8
	TERRAPLEN	0.030	0.25	12003.4	EXCAVA SANE0	3.282	17.21	6705.2
	TERRAP SANE0	3.282	17.21	6705.2	VEGETAL	2.718	27.84	2419.5
750.000	FIRME	6.310	63.52	4851.4	D TIERRA	2.959	33.13	1347.9
	SUELO EST2	3.105	31.13	2576.5	SUELO EST1	3.193	32.09	2537.9
	TERRAPLEN	0.071	0.50	12003.9	EXCAVA SANE0	3.345	33.14	6738.3
	TERRAP SANE0	3.345	33.14	6738.3	VEGETAL	2.684	27.01	2446.5
760.000	FIRME	6.277	62.94	4914.3	D TIERRA	2.390	26.74	1374.6
	SUELO EST2	3.195	31.50	2608.0	SUELO EST1	3.259	32.26	2570.2
	TERRAPLEN	0.101	0.86	12004.7	EXCAVA SANE0	0.928	21.37	6759.7
	TERRAP SANE0	0.928	21.37	6759.7	VEGETAL	2.662	26.73	2473.2
770.000	FIRME	6.289	62.83	4977.2	D TIERRA	1.708	20.49	1395.1
	SUELO EST2	3.251	32.23	2640.2	SUELO EST1	3.280	32.69	2602.9
	TERRAPLEN	0.229	1.65	12006.4	EXCAVA SANE0	1.635	12.82	6772.5
	TERRAP SANE0	1.635	12.82	6772.5	VEGETAL	2.696	26.79	2500.0
780.000	FIRME	6.297	62.93	5040.1	D TIERRA	1.194	14.51	1409.6
	SUELO EST2	3.301	32.76	2673.0	SUELO EST1	3.300	32.90	2635.8
	TERRAPLEN	0.561	3.95	12010.3	EXCAVA SANE0	5.740	36.87	6809.4
	TERRAP SANE0	5.740	36.87	6809.4	VEGETAL	2.730	27.13	2527.1
790.000	FIRME	6.302	63.00	5103.1	D TIERRA	0.920	10.57	1420.2
	SUELO EST2	3.341	33.21	2706.2	SUELO EST1	3.322	33.11	2668.9
	TERRAPLEN	0.918	7.40	12017.7	EXCAVA SANE0	7.408	65.74	6875.1
	TERRAP SANE0	7.408	65.74	6875.1	VEGETAL	2.763	27.47	2554.6
800.000	FIRME	6.303	63.03	5166.1	D TIERRA	0.680	8.00	1428.2
	SUELO EST2	3.391	33.66	2739.9	SUELO EST1	3.350	33.36	2702.2
	TERRAPLEN	3.544	22.31	12040.0	EXCAVA SANE0	10.284	88.46	6963.6
	TERRAP SANE0	10.284	88.46	6963.6	VEGETAL	2.842	28.02	2582.6
810.000	FIRME	6.304	63.03	5229.1	D TIERRA	0.595	6.38	1434.6
	SUELO EST2	3.419	34.05	2773.9	SUELO EST1	3.373	33.61	2735.9
	TERRAPLEN	4.328	39.36	12079.4	EXCAVA SANE0	10.566	104.25	7067.8
	TERRAP SANE0	10.566	104.25	7067.8	VEGETAL	2.882	28.62	2611.2
820.000	FIRME	6.303	63.03	5292.2	D TIERRA	0.523	5.59	1440.2
	SUELO EST2	3.449	34.34	2808.3	SUELO EST1	3.393	33.83	2769.7
	TERRAPLEN	4.195	42.62	12122.0	EXCAVA SANE0	10.654	106.10	7173.9
	TERRAP SANE0	10.654	106.10	7173.9	VEGETAL	2.888	28.85	2640.1

Istram 18.05.05.29 17/01/19 18:49:59 1880

PROYECTO :

EJE: 55: V de servicio Dch. P.K. 108+500

pagina 10

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
830.000	FIRME	6.303	63.03	5355.2	D TIERRA	0.484	5.03	1445.2
	SUELO EST2	3.471	34.60	2842.9	SUELO EST1	3.402	33.97	2803.7
	TERRAPLEN	2.731	34.63	12156.6	EXCAVA SANE0	10.538	105.96	7279.9
	TERRAP SANE0	10.538	105.96	7279.9	VEGETAL	2.879	28.83	2668.9
840.000	FIRME	6.304	63.03	5418.2	D TIERRA	0.446	4.65	1449.9
	SUELO EST2	3.481	34.76	2877.6	SUELO EST1	3.406	34.04	2837.7
	TERRAPLEN	2.896	28.14	12184.8	EXCAVA SANE0	10.603	105.71	7385.6
	TERRAP SANE0	10.603	105.71	7385.6	VEGETAL	2.890	28.84	2697.8
850.000	FIRME	6.303	63.03	5481.3	D TIERRA	0.362	4.04	1453.9
	SUELO EST2	3.485	34.83	2912.5	SUELO EST1	3.407	34.06	2871.8
	TERRAPLEN	5.244	40.70	12225.5	EXCAVA SANE0	11.098	108.51	7494.1
	TERRAP SANE0	11.098	108.51	7494.1	VEGETAL	2.915	29.02	2726.8
860.000	FIRME	6.303	63.03	5544.3	D TIERRA	0.329	3.46	1457.4
	SUELO EST2	3.481	34.83	2947.3	SUELO EST1	3.406	34.06	2905.8
	TERRAPLEN	3.601	44.23	12269.7	EXCAVA SANE0	11.120	111.09	7605.2
	TERRAP SANE0	11.120	111.09	7605.2	VEGETAL	2.887	29.01	2755.8
870.000	FIRME	6.304	63.03	5607.3	D TIERRA	0.321	3.25	1460.6
	SUELO EST2	3.468	34.74	2982.0	SUELO EST1	3.400	34.03	2939.9
	TERRAPLEN	2.919	32.60	12302.3	EXCAVA SANE0	11.098	111.09	7716.3
	TERRAP SANE0	11.098	111.09	7716.3	VEGETAL	2.871	28.79	2784.6
880.000	FIRME	6.303	63.03	5670.4	D TIERRA	0.324	3.22	1463.8
	SUELO EST2	3.445	34.57	3016.6	SUELO EST1	3.390	33.95	2973.8
	TERRAPLEN	2.212	25.65	12328.0	EXCAVA SANE0	10.915	110.06	7826.4
	TERRAP SANE0	10.915	110.06	7826.4	VEGETAL	2.846	28.59	2813.2
890.000	FIRME	6.304	63.03	5733.4	D TIERRA	0.366	3.45	1467.3
	SUELO EST2	3.410	34.27	3050.9	SUELO EST1	3.369	33.79	3007.6
	TERRAPLEN	1.425	18.18	12346.1	EXCAVA SANE0	9.739	103.27	7929.6
	TERRAP SANE0	9.739	103.27	7929.6	VEGETAL	2.815	28.31	2841.5
900.000	FIRME	6.304	63.04	5796.5	D TIERRA	0.368	3.67	1471.0
	SUELO EST2	3.367	33.89	3084.8	SUELO EST1	3.339	33.54	3041.1
	TERRAPLEN	0.914	11.70	12357.8	EXCAVA SANE0	8.832	92.86	8022.5
	TERRAP SANE0	8.832	92.86	8022.5	VEGETAL	2.783	27.99	2869.5
910.000	FIRME	6.301	63.03	5859.5	D TIERRA	0.468	4.18	1475.1
	SUELO EST2	3.326	33.47	3118.2	SUELO EST1	3.312	33.26	3074.4

TERRAPLEN	0.425	6.70	12364.5	EXCAVA SANE0	7.693	82.63	8105.1
TERRAP SANE0	7.693	82.63	8105.1	VEGETAL	2.750	27.67	2897.1

Istram 18.05.05.29 17/01/19 18:49:59 1880

PROYECTO :

EJE: 55: V de servicio Dch. P.K. 108+500

pagina 11

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
920.000	FIRME	6.298	63.00	5922.5	D TIERRA	0.809	6.38	1481.5
	SUELO EST2	3.292	33.09	3151.3	SUELO EST1	3.299	33.06	3107.4
	TERRAPLEN	0.073	2.49	12367.0	EXCAVA SANE0	5.545	66.19	8171.3
	TERRAP SANE0	5.545	66.19	8171.3	VEGETAL	2.724	27.37	2924.5
930.000	FIRME	6.298	62.98	5985.5	D TIERRA	1.258	10.33	1491.9
	SUELO EST2	3.269	32.81	3184.1	SUELO EST1	3.302	33.00	3140.5
	TERRAPLEN	0.015	0.44	12367.5	EXCAVA SANE0	0.486	30.15	8201.5
	TERRAP SANE0	0.486	30.15	8201.5	VEGETAL	2.711	27.18	2951.7
940.000	FIRME	6.299	62.99	6048.4	D TIERRA	1.840	15.49	1507.3
	SUELO EST2	3.242	32.56	3216.7	SUELO EST1	3.303	33.02	3173.5
	TERRAPLEN	0.000	0.08	12367.5	EXCAVA SANE0	0.000	2.43	8203.9
	TERRAP SANE0	0.000	2.43	8203.9	VEGETAL	2.699	27.05	2978.7
950.000	FIRME	6.302	63.00	6111.4	D TIERRA	2.481	21.60	1529.0
	SUELO EST2	3.221	32.31	3249.0	SUELO EST1	3.305	33.04	3206.5
	VEGETAL	2.691	26.95	3005.7				
	FIRME	6.303	63.02	6174.5	D TIERRA	3.157	28.18	1557.1
960.000	SUELO EST2	3.199	32.10	3281.1	SUELO EST1	3.300	33.03	3239.5
	VEGETAL	2.682	26.86	3032.6				
	FIRME	6.303	63.03	6237.5	D TIERRA	3.745	34.50	1591.6
	SUELO EST2	3.174	31.86	3312.9	SUELO EST1	3.287	32.94	3272.5
980.000	VEGETAL	2.671	26.77	3059.3				
	FIRME	6.303	63.03	6300.5	D TIERRA	4.370	40.57	1632.2
	SUELO EST2	3.152	31.63	3344.6	SUELO EST1	3.272	32.79	3305.3
	VEGETAL	2.661	26.66	3086.0				
990.000	FIRME	6.303	63.03	6363.6	D TIERRA	4.985	46.77	1679.0
	SUELO EST2	3.136	31.44	3376.0	SUELO EST1	3.255	32.63	3337.9
	VEGETAL	2.651	26.56	3112.5				
	FIRME	6.300	63.02	6426.6	D TIERRA	5.597	52.91	1731.9
1000.000	SUELO EST2	3.143	31.39	3407.4	SUELO EST1	3.258	32.57	3370.5
	VEGETAL	2.649	26.50	3139.0				
	FIRME	6.293	62.96	6489.5	D TIERRA	6.256	59.26	1791.1
	SUELO EST2	3.147	31.45	3438.9	SUELO EST1	3.256	32.57	3403.0
1010.000	VEGETAL	2.646	26.48	3165.5				
	FIRME	6.282	62.87	6552.4	D TIERRA	6.951	66.03	1857.2
	SUELO EST2	3.179	31.63	3470.5	SUELO EST1	3.261	32.58	3435.6
	VEGETAL	2.656	26.51	3192.0				

Istram 18.05.05.29 17/01/19 18:49:59 1880

PROYECTO :

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
1130.000	FIRME	6.296	62.94	7245.4	D TIERRA	1.333	11.45	2053.3	
	SUELO EST2	3.329	33.26	3840.2	SUELO EST1	3.294	32.89	3805.0	
	TERRAPLEN	1.105	13.87	12425.4	EXCAVA SANE0	7.860	84.42	8634.7	
1140.000	TERRAP SANE0	7.860	84.42	8634.7	VEGETAL	2.761	27.61	3496.5	
	FIRME	6.275	62.85	7308.2	D TIERRA	2.471	19.01	2072.3	
	SUELO EST2	3.254	32.92	3873.1	SUELO EST1	3.258	32.76	3837.7	
	TERRAPLEN	0.001	5.53	12430.9	EXCAVA SANE0	0.445	41.53	8676.2	
1150.000	TERRAP SANE0	0.445	41.53	8676.2	VEGETAL	2.693	27.27	3523.8	
	FIRME	6.297	62.86	7371.1	D TIERRA	5.327	38.98	2111.3	
	SUELO EST2	3.042	31.48	3904.6	SUELO EST1	3.156	32.07	3869.8	
	TERRAPLEN	0.020	0.11	12431.0	EXCAVA SANE0	0.166	3.06	8679.3	
1160.000	TERRAP SANE0	0.166	3.06	8679.3	VEGETAL	2.648	26.71	3550.5	
	FIRME	6.327	63.12	7434.2	D TIERRA	5.938	56.32	2167.6	
	SUELO EST2	3.054	30.48	3935.1	SUELO EST1	3.169	31.63	3901.4	
	TERRAPLEN	0.020	0.20	12431.2	EXCAVA SANE0	0.166	1.66	8680.9	
1170.000	TERRAP SANE0	0.166	1.66	8680.9	VEGETAL	2.664	26.56	3577.0	
	FIRME	6.325	63.26	7497.5	D TIERRA	7.444	66.91	2234.5	
	SUELO EST2	2.953	30.04	3965.1	SUELO EST1	3.073	31.21	3932.6	
	TERRAPLEN	0.020	0.20	12431.4	EXCAVA SANE0	0.167	1.66	8682.6	
1180.000	TERRAP SANE0	0.167	1.66	8682.6	VEGETAL	2.600	26.32	3603.4	
	FIRME	6.410	63.67	7561.1	D TIERRA	8.009	77.26	2311.7	
	SUELO EST2	2.917	29.35	3994.4	SUELO EST1	3.037	30.55	3963.2	
	TERRAPLEN	0.040	0.30	12431.7	EXCAVA SANE0	11.313	57.39	8740.0	
1190.000	TERRAP SANE0	11.313	57.39	8740.0	VEGETAL	2.663	26.32	3629.7	
	FIRME	6.386	63.98	7625.1	D TIERRA	7.450	77.29	2389.0	
	SUELO EST2	3.003	29.60	4024.0	SUELO EST1	3.123	30.80	3994.0	
	TERRAPLEN	0.020	0.30	12432.0	EXCAVA SANE0	0.167	57.40	8797.4	
1200.000	TERRAP SANE0	0.167	57.40	8797.4	VEGETAL	2.648	26.56	3656.2	
	FIRME	6.271	63.28	7688.4	D TIERRA	6.133	67.91	2456.9	
	SUELO EST2	3.073	30.38	4054.4	SUELO EST1	3.192	31.57	4025.6	
	TERRAPLEN	0.000	0.10	12432.1	EXCAVA SANE0	0.000	0.83	8798.2	
1210.000	TERRAP SANE0	0.000	0.83	8798.2	VEGETAL	2.598	26.23	3682.5	
	FIRME	6.295	62.83	7751.2	D TIERRA	2.983	45.57	2502.5	
	SUELO EST2	3.281	31.77	4086.2	SUELO EST1	3.293	32.42	4058.0	
	VEGETAL	2.716	26.57	3709.0					
1220.000	FIRME	6.303	62.99	7814.2	D TIERRA	2.807	28.94	2531.5	
	SUELO EST2	3.346	33.14	4119.3	SUELO EST1	3.338	33.15	4091.1	
	VEGETAL	2.763	27.40	3736.4					

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 14
PROYECTO :
EJE: 55: V微 de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
1230.000	FIRME	6.303	63.03	7877.2	D TIERRA	2.978	28.92	2560.4	
	SUELO EST2	3.363	33.55	4152.9	SUELO EST1	3.366	33.52	4124.7	
	VEGETAL	2.768	27.66	3764.1					
1240.000	FIRME	6.304	63.03	7940.3	D TIERRA	2.137	25.57	2585.9	
	SUELO EST2	3.399	33.81	4186.7	SUELO EST1	3.368	33.67	4158.3	
	VEGETAL	2.797	27.83	3791.9					
1250.000	FIRME	6.303	63.03	8003.3	D TIERRA	1.620	18.77	2604.7	
	SUELO EST2	3.427	34.13	4220.8	SUELO EST1	3.388	33.78	4192.1	
	TERRAPLEN	0.020	0.10	12432.2	EXCAVA SANE0	1.817	9.09	8807.3	
1260.000	TERRAP SANE0	1.817	9.09	8807.3	VEGETAL	2.812	28.05	3820.0	
	FIRME	6.303	63.03	8066.3	D TIERRA	1.211	14.14	2618.8	
	SUELO EST2	3.461	34.44	4255.3	SUELO EST1	3.406	33.97	4226.1	
	TERRAPLEN	0.341	1.80	12434.0	EXCAVA SANE0	4.939	33.79	8841.1	
1270.000	TERRAP SANE0	4.939	33.79	8841.1	VEGETAL	2.826	28.19	3848.2	
	FIRME	6.303	63.03	8129.4	D TIERRA	1.096	11.53	2630.4	
	SUELO EST2	3.492	34.77	4290.0	SUELO EST1	3.415	34.10	4260.2	
	TERRAPLEN	0.224	2.83	12436.8	EXCAVA SANE0	5.207	50.74	8891.9	
1280.000	TERRAP SANE0	5.207	50.74	8891.9	VEGETAL	2.837	28.31	3876.5	
	FIRME	6.304	63.03	8192.4	D TIERRA	1.224	11.60	2642.0	
	SUELO EST2	3.489	34.91	4324.9	SUELO EST1	3.415	34.15	4294.3	
	TERRAPLEN	0.020	1.22	12438.1	EXCAVA SANE0	0.000	26.04	8917.9	
1290.000	TERRAP SANE0	0.000	26.04	8917.9	VEGETAL	2.831	28.34	3904.8	
	FIRME	6.308	63.06	8255.5	D TIERRA	1.220	12.22	2654.2	
	SUELO EST2	3.485	34.87	4359.8	SUELO EST1	3.415	34.15	4328.5	
	TERRAPLEN	0.004	0.12	12438.2	VEGETAL	2.828	28.30	3933.1	
1300.000	FIRME	6.345	63.27	8318.7	D TIERRA	1.273	12.47	2666.7	
	SUELO EST2	3.504	34.94	4394.8	SUELO EST1	3.421	34.18	4362.7	
	TERRAPLEN	0.000	0.02	12438.2	VEGETAL	2.841	28.35	3961.4	
1310.000	FIRME	6.407	63.76	8382.5	D TIERRA	1.732	15.03	2681.7	
	SUELO EST2	3.498	35.01	4429.8	SUELO EST1	3.439	34.30	4397.0	
	VEGETAL	2.841	28.41	3989.9					
1320.000	FIRME	6.471	64.40	8446.9	D TIERRA	2.134	19.32	2701.0	
	SUELO EST2	3.506	35.02	4464.8	SUELO EST1	3.461	34.50	4431.5	
	VEGETAL	2.852	28.46	4018.3					
1330.000	FIRME	6.509	64.92	8511.8	D TIERRA	2.747	24.37	2725.4	
	SUELO EST2	3.498	35.03	4499.8	SUELO EST1	3.469	34.65	4466.1	
	VEGETAL	2.855	28.54	4046.9					

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 15
PROYECTO :
EJE: 55: V微 de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1340.000	FIRME	6.579	65.48	8577.3	D TIERRA	3.391	30.56	2755.9
	SUELO EST2	3.478	34.93	4534.7	SUELO EST1	3.437	34.55	4500.7
	TERRAPLEN	0.001	0.01	12438.2	VEGETAL	2.897	28.79	4075.7
1350.000	FIRME	6.646	66.20	8643.5	D TIERRA	3.875	36.02	2792.0
	SUELO EST2	3.441	34.70	4569.4	SUELO EST1	3.404	34.25	4534.9
	TERRAPLEN	0.035	0.19	12438.4	VEGETAL	2.851	28.81	4104.5
1360.000	FIRME	6.653	66.60	8710.1	D TIERRA	4.473	41.27	2833.2
	SUELO EST2	3.408	34.39	4603.8	SUELO EST1	3.380	34.00	4568.9
	TERRAPLEN	0.024	0.31	12438.7	VEGETAL	2.817	28.43	4132.9
1370.000	FIRME	6.701	66.87	8777.0	D TIERRA	5.102	47.44	2880.7
	SUELO EST2	3.355	33.97	4637.8	SUELO EST1	3.333	33.66	4602.6
	TERRAPLEN	0.020	0.22	12438.9	VEGETAL	2.856	28.45	4161.4
1380.000	FIRME	6.741	67.29	8844.3	D TIERRA	5.857	54.45	2935.1
	SUELO EST2	3.266	33.24	4671.0	SUELO EST1	3.347	33.49	4636.1
	TERRAPLEN	0.020	0.19	12439.1	VEGETAL	2.815	28.41	4189.8
1390.000	FIRME	6.812	67.83	8912.1	D TIERRA	6.445	61.16	2996.3
	SUELO EST2	3.239	32.61	4703.6	SUELO EST1	3.350	33.56	4669.6
	TERRAPLEN	0.020	0.19	12439.3	VEGETAL	2.823	28.21	4218.0
1400.000	FIRME	6.687	67.57	8979.7	D TIERRA	2.369	43.90	3040.2
	SUELO EST2	3.343	32.94	4736.6	SUELO EST1	3.450	34.03	4703.7
	TERRAPLEN	0.500	2.62	12441.9	VEGETAL	2.794	28.09	4246.1
1410.000	FIRME	6.687	66.97	9046.6	D TIERRA	2.323	23.43	3063.6
	SUELO EST2	3.280	33.12	4769.7	SUELO EST1	3.398	34.25	4737.9
	TERRAPLEN	0.600	5.57	12447.5	VEGETAL	2.763	27.79	4273.8
1420.000	FIRME	6.687	66.97	9113.6	D TIERRA	2.263	22.78	3086.4
	SUELO EST2	3.258	32.70	4802.4	SUELO EST1	3.376	33.88	4771.8
	TERRAPLEN	0.728	6.76	12454.3	VEGETAL	2.750	27.57	4301.4
1430.000	FIRME	6.686	66.96	9180.6	D TIERRA	2.278	22.56	3109.0
	SUELO EST2	3.261	32.60	4835.0	SUELO EST1	3.379	33.78	4805.6
	TERRAPLEN	0.801	7.78	12462.0	VEGETAL	2.750	27.51	4328.9
1440.000	FIRME	6.687	66.97	9247.5	D TIERRA	2.182	22.24	3131.2
	SUELO EST2	3.365	33.14	4868.1	SUELO EST1	3.468	34.24	4839.8
	TERRAPLEN	0.631	7.26	12469.3	VEGETAL	2.805	27.79	4356.7
1450.000	FIRME	6.775	67.39	9314.9	D TIERRA	2.678	24.22	3155.4
	SUELO EST2	3.293	33.35	4901.5	SUELO EST1	3.366	34.22	4874.0
	TERRAPLEN	0.624	6.28	12475.6	VEGETAL	2.839	28.24	4385.0

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 16
PROYECTO :
EJE: 55: V微 de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1460.000	FIRME	6.720	67.55	9382.5	D TIERRA	4.152	33.83	3189.2
	SUELO EST2	3.320	33.18	4934.7	SUELO EST1	3.343	33.64	4907.7
	TERRAPLEN	0.020	3.19	12478.8	VEGETAL	2.835	28.41	4413.4
1470.000	FIRME	6.687	67.13	9449.6	D TIERRA	2.428	32.60	3221.8
	SUELO EST2	3.586	34.63	4969.3	SUELO EST1	3.531	34.43	4942.1
	TERRAPLEN	0.000	0.10	12478.9	VEGETAL	2.930	28.87	4442.2
1480.000	FIRME	6.611	66.57	9516.2	D TIERRA	3.251	28.29	3250.1
	SUELO EST2	3.661	36.29	5005.6	SUELO EST1	3.518	35.26	4977.4
	TERRAPLEN	0.021	0.11	12479.0	VEGETAL	3.015	29.77	4472.0
1490.000	FIRME	6.532	65.77	9581.9	D TIERRA	3.381	33.09	3283

* * * cubicacion segun distancias compensadas * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	14.857		0.00	0.0	D TIERRA	24.404		0.00	0.0
	SUELO EST2	6.618		0.00	0.0	SUELO EST1	6.714		0.00	0.0
10.000	FIRME	8.128		114.92	114.9	D TIERRA	0.000		122.02	122.0
	SUELO EST2	4.151		53.85	53.8	SUELO EST1	3.951		53.32	53.3
	TERRAPLEN	44.775		223.87	223.9					
20.000	FIRME	5.893		70.10	185.0	SUELO EST2	3.153		36.52	90.4
	SUELO EST1	2.954		34.53	87.9	TERRAPLEN	49.837		473.06	696.9
30.000	FIRME	5.898		58.96	244.0	SUELO EST2	3.156		31.55	121.9
	SUELO EST1	2.956		29.55	117.4	TERRAPLEN	46.654		482.47	1179.4
40.000	FIRME	5.944		59.21	303.2	SUELO EST2	3.176		31.66	153.6
	SUELO EST1	2.977		29.67	147.1	TERRAPLEN	45.337		460.11	1639.5
50.000	FIRME	5.991		59.67	362.9	SUELO EST2	3.199		31.88	185.4
	SUELO EST1	2.999		29.88	176.9	TERRAPLEN	40.309		428.63	2068.1
60.000	FIRME	6.040		60.15	423.0	SUELO EST2	3.225		32.12	217.6
	SUELO EST1	3.022		30.11	207.1	TERRAPLEN	29.723		351.03	2419.2
70.000	FIRME	6.089		60.64	483.7	SUELO EST2	3.250		32.37	249.9
	SUELO EST1	3.047		30.34	237.4	TERRAPLEN	26.575		282.07	2701.2
80.000	FIRME	6.137		61.13	544.8	SUELO EST2	3.275		32.62	282.6
	SUELO EST1	3.071		30.59	268.0	TERRAPLEN	26.504		265.90	2967.1
90.000	FIRME	6.141		61.39	606.2	SUELO EST2	3.277		32.75	315.3
	SUELO EST1	3.073		30.71	298.7	TERRAPLEN	17.138		219.43	3186.6
100.000	FIRME	6.141		61.41	667.6	SUELO EST2	3.277		32.76	348.1
	SUELO EST1	3.073		30.72	329.4	TERRAPLEN	6.497		119.12	3305.7
110.000	FIRME	6.141		61.41	729.0	D TIERRA	1.909		9.34	131.4
	SUELO EST2	3.047		31.66	379.7	SUELO EST1	3.013		30.43	359.8
	TERRAPLEN	0.101		33.35	3339.0					
120.000	FIRME	6.141		61.40	790.4	D TIERRA	1.874		18.48	149.8
	SUELO EST2	3.013		30.40	410.1	SUELO EST1	2.979		29.99	389.8
	TERRAPLEN	0.251		1.81	3340.9					
130.000	FIRME	6.096		61.19	851.6	D TIERRA	4.374		30.83	180.7
	SUELO EST2	2.852		29.43	439.6	SUELO EST1	2.893		29.42	419.3
	TERRAPLEN	0.000		1.29	3342.1					
140.000	FIRME	6.060		60.80	912.4	D TIERRA	5.825		50.72	231.4
	SUELO EST2	2.706		27.87	467.4	SUELO EST1	2.819		28.62	447.9
150.000	FIRME	6.019		60.42	972.8	D TIERRA	7.056		64.26	295.6
	SUELO EST2	2.594		26.54	494.0	SUELO EST1	2.714		27.70	475.6
160.000	FIRME	5.973		59.98	1032.8	D TIERRA	7.785		74.14	369.8
	SUELO EST2	2.536		25.66	519.6	SUELO EST1	2.656		26.86	502.4

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 2
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
170.000	FIRME	5.966		59.71	1092.5	D TIERRA	7.940		78.60	448.4
	SUELO EST2	2.524		25.30	544.9	SUELO EST1	2.644		26.50	529.0
180.000	FIRME	6.015		59.91	1152.4	D TIERRA	7.484		77.11	525.5
	SUELO EST2	2.564		25.44	570.4	SUELO EST1	2.685		26.64	555.6
190.000	FIRME	6.066		60.40	1212.8	D TIERRA	6.723		71.03	596.5
	SUELO EST2	2.628		25.96	596.3	SUELO EST1	2.748		27.16	582.8
200.000	FIRME	6.089		60.78	1273.6	D TIERRA	5.876		62.97	659.5
	SUELO EST2	2.701		26.65	623.0	SUELO EST1	2.821		27.85	610.6
210.000	FIRME	6.096		60.93	1334.5	D TIERRA	5.205		55.34	714.8
	SUELO EST2	2.779		27.42	650.4	SUELO EST1	2.878		28.51	639.1
220.000	FIRME	6.100		60.99	1395.5	D TIERRA	4.530		48.53	763.4
	SUELO EST2	2.850		28.19	678.6	SUELO EST1	2.901		28.93	668.0
230.000	FIRME	6.098		61.00	1456.5	D TIERRA	4.082		42.80	806.2
	SUELO EST2	2.872		28.69	707.3	SUELO EST1	2.897		29.04	697.1
240.000	FIRME	6.090		60.95	1517.4	D TIERRA	4.166		40.89	847.1
	SUELO EST2	2.840		28.66	735.9	SUELO EST1	2.886		28.98	726.1
250.000	FIRME	6.098		60.95	1578.4	D TIERRA	4.315		42.05	889.1
	SUELO EST2	2.832		28.46	764.4	SUELO EST1	2.893		28.97	755.0
260.000	FIRME	6.124		61.12	1639.5	D TIERRA	3.975		41.12	930.2
	SUELO EST2	2.877		28.64	793.0	SUELO EST1	2.930		29.18	784.2
270.000	FIRME	6.137		61.30	1700.8	D TIERRA	3.495		37.03	967.3
	SUELO EST2	2.918		29.06	822.1	SUELO EST1	2.960		29.50	813.7
280.000	FIRME	6.129		61.32	1762.1	D TIERRA	3.685		35.59	1002.8
	SUELO EST2	2.898		29.16	851.3	SUELO EST1	2.951		29.60	843.3
290.000	FIRME	6.082		61.05	1823.2	D TIERRA	3.810		37.24	1040.1
	SUELO EST2	2.864		28.87	880.1	SUELO EST1	2.939		29.49	872.8
300.000	FIRME	6.034		60.58	1883.8	D TIERRA	3.521		36.52	1076.6
	SUELO EST2	2.881		28.76	908.9	SUELO EST1	2.956		29.49	902.3
310.000	FIRME	5.987		60.10	1943.9	D TIERRA	0.276		18.91	1095.5
	SUELO EST2	3.156		30.20	939.1	SUELO EST1	2.996		29.76	932.1
	TERRAPLEN	1.673		8.47	3350.6					
320.000	FIRME	5.941		59.64	2003.5	D TIERRA	3.525		18.97	1114.5
	SUELO EST2	2.845		30.02	969.1	SUELO EST1	2.918		29.57	961.6
	TERRAPLEN	0.000		8.44	3359.0					
330.000	FIRME	5.896		59.19	2062.7	D TIERRA	2.870		31.96	1146.4
	SUELO EST2	2.886		28.66	997.8	SUELO EST1	2.930		29.24	990.9
340.000	FIRME	5.877		58.86	2121.6	D TIERRA	2.078		24.74	1171.2
	SUELO EST2	2.958		29.22	1027.0	SUELO EST1	2.944		29.37	1020.3

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 3
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	FIRME	5.876	58.76	2180.3		D TIERRA	1.823	19.50	1190.7	
	SUELO EST2	2.978	29.68	1056.7		SUELO EST1	2.946	29.45	1049.7	
360.000	FIRME	5.876	58.76	2239.1		D TIERRA	1.249	15.36	1206.0	
	SUELO EST2	3.034	30.06	1086.7		SUELO EST1	2.947	29.47	1079.2	
370.000	FIRME	5.877	58.76	2297.9		D TIERRA	1.421	13.35	1219.4	
	SUELO EST2	3.017	30.26	1117.0		SUELO EST1	2.946	29.47	1108.6	
380.000	FIRME	5.876	58.76	2356.6		D TIERRA	1.434	14.27	1233.7	
	SUELO EST2	3.016	30.17	1147.1		SUELO EST1	2.946	29.46	1138.1	
390.000	FIRME	5.876	58.76	2415.4		D TIERRA	1.477	14.55	1248.2	
	SUELO EST2	3.012	30.14	1177.3		SUELO EST1	2.947	29.47	1167.6	
400.000	FIRME	5.876	58.76	2474.1		D TIERRA	1.584	15.31	1263.5	
	SUELO EST2	3.001	30.06	1207.3		SUELO EST1	2.946	29.46	1197.0	
410.000	FIRME	5.876	58.76	2532.9		D TIERRA	1.794	16.89	1280.4	
	SUELO EST2	2.980	29.90	1237.3		SUELO EST1	2.945	29.45	1226.5	
420.000	FIRME	5.877	58.76	2591.7		D TIERRA	2.021	19.08	1299.5	
	SUELO EST2	2.956	29.68	1266.9		SUELO EST1	2.943	29.44	1255.9	
430.000	FIRME	5.876	58.76	2650.4		D TIERRA	2.487	22.54	1322.0	
	SUELO EST2	2.903	29.29	1296.2		SUELO EST1	2.935	29.39	1285.3	
440.000	FIRME	5.877	58.77	2709.2		D TIERRA	2.979	27.33	1349.4	
	SUELO EST2	2.846	28.74	1325.0		SUELO EST1	2.915	29.25	1314.6	
450.000	FIRME	5.876	58.77	2768.0		D TIERRA	3.369	31.74	1381.1	
	SUELO EST2	2.799	28.22	1353.2		SUELO EST1	2.891	29.03	1343.6	
460.000	FIRME	5.876	58.76	2826.7		D TIERRA	3.582	34.75	1415.9	
	SUELO EST2	2.773	27.86	1381.0		SUELO EST1	2.875	28.83	1372.4	
470.000	FIRME	5.876	58.76	2885.5		D TIERRA	3.745	36.63	1452.5	
	SUELO EST2	2.752	27.62	1408.7		SUELO EST1	2.861	28.68	1401.1	
480.000	FIRME	5.877	58.76	2944.3		D TIERRA	4.104	39.24	1491.7	
	SUELO EST2	2.706	27.29	1436.0		SUELO EST1	2.823	28.42	1429.5	
490.000	FIRME	5.877	58.77	3003.0		D TIERRA	4.374	42.39	1534.1	
	SUELO EST2	2.670	26.88	1462.8		SUELO EST1	2.790	28.07	1457.6	
500.000	FIRME	5.876	58.77	3061.8		D TIERRA	3.902	41.38	1575.5	
	SUELO EST2	2.732	27.01	1489.8		SUELO EST1	2.845	28.18	1485.8	
510.000	FIRME	5.876	58.76	3120.6		D TIERRA	4.301	41.01	1616.5	
	SUELO EST2	2.685	27.08	1516.9		SUELO EST1	2.802	28.24	1514.0	
520.000	FIRME	5.873	58.74	3179.3		D TIERRA	4.787	45.44	1662.0	
	SUELO EST2	2.631	26.58	1543.5		SUELO EST1	2.751	27.77	1541.8	
530.000	FIRME	5.877	58.75	3238.0		D TIERRA	4.052	44.20	1706.2	
	SUELO EST2	2.713	26.72	1570.2		SUELO EST1	2.828	27.90	1569.7	

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 4
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

540.000	FIRME	5.876		58.76	3296.8	D TIERRA	4.494		42.73	1748.9
	SUELO EST2	2.662		26.87	1597.1	SUELO EST1	2.781		28.05	1597.7
550.000	FIRME	5.871		58.73	3355.5	D TIERRA	4.933		47.14	1796.0
	SUELO EST2	2.620		26.41	1623.5	SUELO EST1	2.740		27.61	1625.3
560.000	FIRME	5.679		57.75	3413.3	D TIERRA	7.638		62.85	1858.9
	SUELO EST2	2.385		25.02	1648.5	SUELO EST1	2.505		26.23	1651.5
570.000	FIRME	5.681		56.80	3470.1	D TIERRA	7.629		76.33	1935.2
	SUELO EST2	2.386		23.86	1672.4	SUELO EST1	2.506		25.06	1676.6
580.000	FIRME	5.709		56.95	3527.0	D TIERRA	7.418		75.23	2010.4
	SUELO EST2	2.406		23.96	1696.3	SUELO EST1	2.526		25.16	1701.8
590.000	FIRME	5.638		56.74	3583.8	D TIERRA	8.000		77.09	2087.5
	SUELO EST2	2.356		23.81	1720.2	SUELO EST1	2.476		25.01	1726.8
600.000	FIRME	5.721		56.80	3640.6	D TIERRA	8.400		82.00	2169.5
	SUELO EST2	2.344		23.50	1743.7	SUELO EST1	2.464		24.70	1751.5
610.000	FIRME	5.765		57.43	3698.0	D TIERRA	8.882		86.41	2256.0
	SUELO EST2	2.364		23.54	1767.2	SUELO EST1	2.484		24.74	1776.2
620.000	FIRME	5.879		58.22	3756.2	D TIERRA	7.805		83.44	2339.4
	SUELO EST2	2.437		24.01	1791.2	SUELO EST1	2.557		25.21	1801.4
630.000	FIRME	5.889		58.84	3815.1	D TIERRA	8.051		79.28	2418.7
	SUELO EST2	2.455		24.46	1815.7	SUELO EST1	2.575		25.66	1827.1
640.000	FIRME	5.868		58.79	3873.9	D TIERRA	7.982		80.17	2498.8
	SUELO EST2	2.449		24.52	1840.2	SUELO EST1	2.569		25.72	1852.8
650.000	FIRME	5.821		58.45	3932.3	D TIERRA	7.235		76.08	2574.9
	SUELO EST2	2.439		24.44	1864.6	SUELO EST1	2.559		25.64	1878.4
660.000	FIRME	5.754		57.87	3990.2	D TIERRA	6.515		68.75	2643.7
	SUELO EST2	2.473		24.56	1889.2	SUELO EST1	2.593		25.76	1904.2
670.000	FIRME	5.797		57.75	4047.9	D TIERRA	6.113		63.14	2706.8
	SUELO EST2	2.516		24.94	1914.1	SUELO EST1	2.636		26.15	1930.3
680.000	FIRME	5.824		58.10	4106.0	D TIERRA	5.785		59.49	2766.3
	SUELO EST2	2.557		25.36	1939.5	SUELO EST1	2.677		26.57	1956.9
690.000	FIRME	5.841		58.33	4164.4	D TIERRA	5.092		54.39	2820.7
	SUELO EST2	2.627		25.92	1965.4	SUELO EST1	2.741		27.09	1984.0
700.000	FIRME	5.855		58.48	4222.8	D TIERRA	4.916		50.04	2870.7
	SUELO EST2	2.649		26.38	1991.8	SUELO EST1	2.762		27.51	2011.5
710.000	FIRME	5.861		58.58	4281.4	D TIERRA	4.632		47.74	2918.5
	SUELO EST2	2.701		26.75	2018.5	SUELO EST1	2.795		27.78	2039.3
720.000	FIRME	5.868		58.65	4340.1	D TIERRA	4.021		43.26	2961.7
	SUELO EST2	2.754		27.27	2045.8	SUELO EST1	2.821		28.08	2067.4

730.000	FIRME	5.874	58.71	4398.8	D TIERRA	3.655	38.38	3000.1
	SUELO EST2	2.807	27.80	2073.6	SUELO EST1	2.842	28.32	2095.7
740.000	FIRME	5.876	58.75	4457.5	D TIERRA	3.253	34.54	3034.7
	SUELO EST2	2.861	28.34	2102.0	SUELO EST1	2.858	28.50	2124.2
750.000	FIRME	5.877	58.76	4516.3	D TIERRA	3.596	34.25	3068.9
	SUELO EST2	2.872	28.66	2130.6	SUELO EST1	2.881	28.70	2152.9
760.000	FIRME	5.876	58.77	4575.1	D TIERRA	2.394	29.95	3098.9
	SUELO EST2	2.948	29.10	2159.7	SUELO EST1	2.903	28.92	2181.8
	TERRAPLEN	0.505	2.53	3361.6				
770.000	FIRME	5.876	58.76	4633.8	D TIERRA	1.945	21.69	3120.6
	SUELO EST2	2.984	29.66	2189.4	SUELO EST1	2.925	29.14	2211.0
	TERRAPLEN	0.901	7.03	3368.6				
780.000	FIRME	5.877	58.76	4692.6	D TIERRA	1.701	18.23	3138.8
	SUELO EST2	3.023	30.03	2219.4	SUELO EST1	2.941	29.33	2240.3
	TERRAPLEN	1.673	12.87	3381.5				
790.000	FIRME	5.877	58.77	4751.3	D TIERRA	1.784	17.43	3156.2
	SUELO EST2	3.012	30.18	2249.6	SUELO EST1	2.937	29.39	2269.7
	TERRAPLEN	1.058	13.66	3395.1				
800.000	FIRME	5.876	58.76	4810.1	D TIERRA	2.065	19.25	3175.5
	SUELO EST2	2.959	29.86	2279.5	SUELO EST1	2.911	29.24	2298.9
	TERRAPLEN	0.799	9.28	3404.4				
810.000	FIRME	5.876	58.76	4868.9	D TIERRA	2.313	21.89	3197.3
	SUELO EST2	2.894	29.26	2308.7	SUELO EST1	2.854	28.82	2327.7
	TERRAPLEN	0.450	6.24	3410.6				
820.000	FIRME	5.877	58.76	4927.6	D TIERRA	2.016	21.64	3219.0
	SUELO EST2	2.908	29.01	2337.7	SUELO EST1	2.870	28.62	2356.4
	TERRAPLEN	0.406	4.28	3414.9				
830.000	FIRME	5.876	58.76	4986.4	D TIERRA	3.864	29.40	3248.4
	SUELO EST2	2.761	28.34	2366.1	SUELO EST1	2.859	28.65	2385.0
	TERRAPLEN	0.000	2.03	3417.0				
840.000	FIRME	5.876	58.76	5045.2	D TIERRA	4.047	39.55	3287.9
	SUELO EST2	2.731	27.46	2393.5	SUELO EST1	2.836	28.47	2413.5
850.000	FIRME	5.875	58.76	5103.9	D TIERRA	1.630	28.38	3316.3
	SUELO EST2	2.858	27.95	2421.5	SUELO EST1	2.849	28.42	2441.9
	TERRAPLEN	0.038	0.19	3417.1				
860.000	FIRME	5.873	58.74	5162.7	D TIERRA	1.806	17.18	3333.5
	SUELO EST2	2.839	28.48	2450.0	SUELO EST1	2.839	28.44	2470.3
	TERRAPLEN	0.000	0.19	3417.3				

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V

pagina 6

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
870.000	FIRME	5.870	58.71	5221.4	D TIERRA	2.084	19.45	3353.0
	SUELO EST2	2.820	28.29	2478.3	SUELO EST1	2.829	28.34	2498.7
880.000	FIRME	5.869	58.69	5280.1	D TIERRA	2.377	22.31	3375.3
	SUELO EST2	2.800	28.10	2506.4	SUELO EST1	2.826	28.27	2527.0
890.000	FIRME	5.862	58.65	5338.7	D TIERRA	2.787	25.82	3401.1
	SUELO EST2	2.758	27.79	2534.1	SUELO EST1	2.810	28.18	2555.1
900.000	FIRME	5.849	58.55	5397.3	D TIERRA	3.267	30.27	3431.4
	SUELO EST2	2.702	27.30	2561.4	SUELO EST1	2.784	27.97	2583.1
910.000	FIRME	5.835	58.42	5455.7	D TIERRA	3.565	34.16	3465.5
	SUELO EST2	2.674	26.88	2588.3	SUELO EST1	2.763	27.73	2610.8
920.000	FIRME	5.821	58.28	5514.0	D TIERRA	3.977	37.72	3503.2
	SUELO EST2	2.637	26.56	2614.9	SUELO EST1	2.739	27.51	2638.3
930.000	FIRME	5.804	58.12	5572.1	D TIERRA	4.470	42.24	3545.5
	SUELO EST2	2.593	26.15	2641.0	SUELO EST1	2.706	27.22	2665.6
940.000	FIRME	5.778	57.91	5630.0	D TIERRA	4.927	46.99	3592.5
	SUELO EST2	2.549	25.71	2666.7	SUELO EST1	2.667	26.86	2692.4
950.000	FIRME	5.751	57.64	5687.6	D TIERRA	5.327	51.27	3643.7
	SUELO EST2	2.503	25.26	2692.0	SUELO EST1	2.623	26.45	2718.9
960.000	FIRME	5.747	57.49	5745.1	D TIERRA	5.623	54.75	3698.5
	SUELO EST2	2.486	24.94	2716.9	SUELO EST1	2.606	26.14	2745.0
970.000	FIRME	5.761	57.54	5802.7	D TIERRA	5.719	56.71	3755.2
	SUELO EST2	2.488	24.86	2741.8	SUELO EST1	2.608	26.07	2771.1
980.000	FIRME	5.771	57.66	5860.3	D TIERRA	5.475	55.97	3811.2
	SUELO EST2	2.500	24.94	2766.7	SUELO EST1	2.620	26.14	2797.2
990.000	FIRME	5.761	57.66	5918.0	D TIERRA	5.554	55.15	3866.3
	SUELO EST2	2.492	24.96	2791.7	SUELO EST1	2.612	26.16	2823.4
1000.000	FIRME	5.760	57.60	5975.6	D TIERRA	5.524	55.39	3921.7
	SUELO EST2	2.500	24.96	2816.7	SUELO EST1	2.620	26.16	2849.6
1010.000	FIRME	5.772	57.66	6033.3	D TIERRA	5.569	55.46	3977.2
	SUELO EST2	2.508	25.04	2841.7	SUELO EST1	2.628	26.24	2875.8
1020.000	FIRME	5.760	57.66	6090.9	D TIERRA	5.967	57.68	4034.8
	SUELO EST2	2.468	24.88	2866.6	SUELO EST1	2.589	26.08	2901.9
1030.000	FIRME	5.732	57.46	6148.4	D TIERRA	6.179	60.73	4095.6
	SUELO EST2	2.433	24.51	2891.1	SUELO EST1	2.553	25.71	2927.6
1040.000	FIRME	5.710	57.21	6205.6	D TIERRA	6.375	62.77	4158.3
	SUELO EST2	2.413	24.23	2915.3	SUELO EST1	2.533	25.43	2953.0
1050.000	FIRME	5.760	57.35	6262.9	D TIERRA	8.763	75.69	4234.0
	SUELO EST2	2.363	23.88	2939.2	SUELO EST1	2.483	25.08	2978.1

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1060.000	FIRME	5.725	57.42	6320.4	D TIERRA	6.653	77.08	4311.1
	SUELO EST2	2.431	23.97	2963.2	SUELO EST1	2.551	25.17	3003.3

1070.000	FIRME	5.736	57.30	6377.7	D TIERRA	6.678	66.65	4377.8
	SUELO EST2	2.436	24.33	2987.5	SUELO EST1	2.556	25.53	3028.8
1080.000	FIRME	5.751	57.43	6435.1	D TIERRA	6.470	65.74	4443.5
	SUELO EST2	2.447	24.42	3011.9	SUELO EST1	2.567	25.62	3054.4
1090.000	FIRME	5.756	57.54	6492.6	D TIERRA	6.487	64.79	4508.3
	SUELO EST2	2.455	24.51	3036.4	SUELO EST1	2.574	25.71	3080.1
1100.000	FIRME	5.746	57.51	6550.1	D TIERRA	6.439	64.63	4572.9
	SUELO EST2	2.447	24.51	3060.9	SUELO EST1	2.567	25.70	3105.8
1110.000	FIRME	5.745	57.45	6607.6	D TIERRA	6.446	64.43	4637.3
	SUELO EST2	2.454	24.50	3085.4	SUELO EST1	2.574	25.70	3131.5
1120.000	FIRME	5.755	57.50	6665.1	D TIERRA	6.601	65.24	4702.6
	SUELO EST2	2.468	24.61	3110.0	SUELO EST1	2.588	25.81	3157.3
1130.000	FIRME	5.679	57.17	6722.3	D TIERRA	7.784	71.92	4774.5
	SUELO EST2	2.384	24.26	3134.3	SUELO EST1	2.504	25.46	3182.8
1140.000	FIRME	5.787	57.33	6779.6	D TIERRA	6.303	70.43	4844.9
	SUELO EST2	2.496	24.40	3158.7	SUELO EST1	2.617	25.60	3208.4
1150.000	FIRME	5.802	57.94	6837.5	D TIERRA	5.899	61.01	4906.0
	SUELO EST2	2.526	25.11	3183.8	SUELO EST1	2.646	26.31	3234.7
1160.000	FIRME	5.809	58.05	6895.6	D TIERRA	5.606	57.53	4963.5
	SUELO EST2	2.544	25.35	3209.2	SUELO EST1	2.664	26.55	3261.3
1170.000	FIRME	5.790	57.99	6953.6	D TIERRA	5.722	56.64	5020.1
	SUELO EST2	2.519	25.32	3234.5	SUELO EST1	2.639	26.52	3287.8
1180.000	FIRME	5.730	57.60	7011.2	D TIERRA	6.026	58.74	5078.9
	SUELO EST2	2.451	24.85	3259.3	SUELO EST1	2.571	26.05	3313.8
1190.000	FIRME	5.633	56.82	7068.0	D TIERRA	8.276	71.51	5150.4
	SUELO EST2	2.353	24.02	3283.4	SUELO EST1	2.473	25.22	3339.1
1200.000	FIRME	5.681	56.57	7124.6	D TIERRA	7.761	80.18	5230.5
	SUELO EST2	2.385	23.69	3307.0	SUELO EST1	2.505	24.89	3364.0
1210.000	FIRME	5.791	57.36	7181.9	D TIERRA	6.570	71.65	5302.2
	SUELO EST2	2.482	24.33	3331.4	SUELO EST1	2.602	25.54	3389.5
1220.000	FIRME	5.837	58.14	7240.1	D TIERRA	5.796	61.83	5364.0
	SUELO EST2	2.552	25.17	3356.6	SUELO EST1	2.672	26.37	3415.9
1230.000	FIRME	5.859	58.48	7298.6	D TIERRA	5.218	55.07	5419.1
	SUELO EST2	2.607	25.79	3382.3	SUELO EST1	2.727	26.99	3442.8
1240.000	FIRME	5.868	58.64	7357.2	D TIERRA	4.758	49.88	5469.0
	SUELO EST2	2.658	26.32	3408.7	SUELO EST1	2.774	27.51	3470.4

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1250.000	FIRME	5.875	58.72	7415.9	D TIERRA	4.235	44.97	5514.0
	SUELO EST2	2.715	26.87	3435.5	SUELO EST1	2.821	27.98	3498.3
1260.000	FIRME	5.876	58.76	7474.7	D TIERRA	3.635	39.35	5553.3
	SUELO EST2	2.784	27.49	3463.0	SUELO EST1	2.867	28.44	3526.8
1270.000	FIRME	5.876	58.76	7533.4	D TIERRA	3.094	33.64	5586.9
	SUELO EST2	2.856	28.20	3491.2	SUELO EST1	2.900	28.84	3555.6
1280.000	FIRME	5.876	58.76	7592.2	D TIERRA	2.529	28.12	5615.1
	SUELO EST2	2.923	28.89	3520.1	SUELO EST1	2.919	29.09	3584.7
1290.000	FIRME	5.877	58.76	7651.0	D TIERRA	1.995	22.62	5637.7
	SUELO EST2	2.974	29.49	3549.6	SUELO EST1	2.932	29.25	3614.0
1300.000	FIRME	5.877	58.77	7709.7	D TIERRA	1.524	17.59	5655.3
	SUELO EST2	3.015	29.94	3579.5	SUELO EST1	2.942	29.37	3643.3
1310.000	FIRME	5.876	58.76	7768.5	D TIERRA	0.837	11.81	5667.1
	SUELO EST2	3.053	30.34	3609.9	SUELO EST1	2.946	29.44	3672.8
	TERRAPLEN	0.160	0.80	3418.1	EXCAVA SANO	4.196	20.98	21.0
	TERRAP SANO	4.196	20.98	21.0				
1320.000	FIRME	5.877	58.76	7827.3	D TIERRA	0.655	7.46	5674.5
	SUELO EST2	3.074	30.63	3640.5	SUELO EST1	2.946	29.46	3702.2
	TERRAPLEN	0.341	2.50	3420.6	EXCAVA SANO	4.636	44.16	65.1
	TERRAP SANO	4.636	44.16	65.1				
1330.000	FIRME	5.876	58.76	7886.0	D TIERRA	0.404	5.29	5679.8
	SUELO EST2	3.097	30.86	3671.4	SUELO EST1	2.947	29.47	3731.7
	TERRAPLEN	4.834	25.87	3446.5	EXCAVA SANO	6.212	54.24	119.4
	TERRAP SANO	6.212	54.24	119.4				
1340.000	FIRME	5.876	58.76	7944.8	D TIERRA	0.229	3.17	5683.0
	SUELO EST2	3.120	31.09	3702.5	SUELO EST1	2.947	29.47	3761.2
	TERRAPLEN	5.380	51.07	3497.6	EXCAVA SANO	6.402	63.07	182.5
	TERRAP SANO	6.402	63.07	182.5				
1350.000	FIRME	5.876	58.76	8003.6	D TIERRA	0.110	1.70	5684.7
	SUELO EST2	3.134	31.27	3733.7	SUELO EST1	2.947	29.47	3790.6
	TERRAPLEN	5.676	55.28	3552.9	EXCAVA SANO	7.160	67.81	250.3
	TERRAP SANO	7.160	67.81	250.3				
1360.000	FIRME	5.876	58.76	8062.3	D TIERRA	0.064	0.87	5685.6
	SUELO EST2	3.139	31.37	3765.1	SUELO EST1	2.947	29.47	3820.1
	TERRAPLEN	5.869	57.72	3610.6	EXCAVA SANO	7.553	73.56	323.8
	TERRAP SANO	7.553	73.56	323.8				

1390.000	TERRAPLEN	5.892	59.46	3729.4	EXCAVA SANE0	7.663	77.04	477.4
	TERRAP SANE0	7.663	77.04	477.4				
	FIRME	5.877	58.76	8238.6	D TIERRA	0.099	0.74	5687.3
	SUELO EST2	3.136	31.38	3859.3	SUELO EST1	2.946	29.47	3908.5
1400.000	TERRAPLEN	5.703	57.98	3787.4	EXCAVA SANE0	7.212	74.37	551.7
	TERRAP SANE0	7.212	74.37	551.7				
	FIRME	5.876	58.76	8297.4	D TIERRA	0.243	1.71	5689.0
	SUELO EST2	3.118	31.27	3890.6	SUELO EST1	2.947	29.46	3938.0
1410.000	TERRAPLEN	5.292	54.97	3842.3	EXCAVA SANE0	6.313	67.63	619.4
	TERRAP SANE0	6.313	67.63	619.4				
	FIRME	5.877	58.76	8356.1	D TIERRA	0.415	3.29	5692.3
	SUELO EST2	3.098	31.08	3921.6	SUELO EST1	2.946	29.46	3967.4
1420.000	TERRAPLEN	4.347	48.19	3890.5	EXCAVA SANE0	6.043	61.78	681.1
	TERRAP SANE0	6.043	61.78	681.1				
	FIRME	5.876	58.76	8414.9	D TIERRA	0.614	5.15	5697.5
	SUELO EST2	3.067	30.83	3952.5	SUELO EST1	2.947	29.46	3996.9
1430.000	TERRAPLEN	4.332	43.39	3933.9	EXCAVA SANE0	5.956	59.99	741.1
	TERRAP SANE0	5.956	59.99	741.1				
	FIRME	5.876	58.76	8473.7	D TIERRA	0.846	7.30	5704.8
	SUELO EST2	3.020	30.44	3982.9	SUELO EST1	2.940	29.43	4026.3
1440.000	TERRAPLEN	3.926	41.29	3975.2	EXCAVA SANE0	5.854	59.05	800.2
	TERRAP SANE0	5.854	59.05	800.2				
	FIRME	5.876	58.76	8532.4	D TIERRA	1.081	9.64	5714.4
	SUELO EST2	2.968	29.94	4012.9	SUELO EST1	2.917	29.28	4055.6
1450.000	TERRAPLEN	3.405	36.66	4011.9	EXCAVA SANE0	5.730	57.92	858.1
	TERRAP SANE0	5.730	57.92	858.1				
	FIRME	5.876	58.76	8591.2	D TIERRA	3.765	24.23	5738.7
	SUELO EST2	2.764	28.66	4041.5	SUELO EST1	2.858	28.87	4084.5
	TERRAPLEN	0.000	17.03	4028.9	EXCAVA SANE0	0.000	28.65	886.8
	TERRAP SANE0	0.000	28.65	886.8				

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 10
PROYECTO :
EJE: 56: V微 de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1460.000	FIRME	5.870	58.73	8649.9	D TIERRA	1.809	27.87	5766.5
	SUELO EST2	2.867	28.15	4069.7	SUELO EST1	2.829	28.43	4112.9
	TERRAPLEN	0.690	3.45	4032.3	EXCAVA SANE0	4.226	21.13	907.9
	TERRAP SANE0	4.226	21.13	907.9				
1470.000	FIRME	5.853	58.61	8708.5	D TIERRA	2.528	21.68	5788.2
	SUELO EST2	2.802	28.34	4098.0	SUELO EST1	2.796	28.13	4141.0
	TERRAPLEN	0.019	3.55	4035.9	EXCAVA SANE0	1.090	26.58	934.5
	TERRAP SANE0	1.090	26.58	934.5				
1480.000	FIRME	5.838	58.45	8767.0	D TIERRA	2.640	25.84	5814.1
	SUELO EST2	2.786	27.94	4126.0	SUELO EST1	2.777	27.87	4168.9
	TERRAPLEN	0.064	0.42	4036.3	EXCAVA SANE0	1.608	13.49	948.0
	TERRAP SANE0	1.608	13.49	948.0				
1490.000	FIRME	5.819	58.29	8825.3	D TIERRA	3.040	28.40	5842.5
	SUELO EST2	2.707	27.47	4153.4	SUELO EST1	2.758	27.68	4196.6
	TERRAPLEN	0.076	0.70	4037.0	EXCAVA SANE0	1.255	14.31	962.3
	TERRAP SANE0	1.255	14.31	962.3				
1500.000	FIRME	5.801	58.10	8883.4	D TIERRA	3.697	33.68	5876.1
	SUELO EST2	2.552	26.29	4179.7	SUELO EST1	2.672	27.15	4223.7
	TERRAPLEN	0.031	0.53	4037.5	EXCAVA SANE0	0.641	9.48	971.7
	TERRAP SANE0	0.641	9.48	971.7				
1510.000	FIRME	5.776	57.88	8941.2	D TIERRA	4.179	39.38	5915.5
	SUELO EST2	2.486	25.19	4204.9	SUELO EST1	2.606	26.39	4250.1
	TERRAPLEN	0.003	0.17	4037.7	EXCAVA SANE0	0.224	4.32	976.1
	TERRAP SANE0	0.224	4.32	976.1				
1520.000	FIRME	5.747	57.61	8998.9	D TIERRA	4.445	43.12	5958.6
	SUELO EST2	2.448	24.67	4229.6	SUELO EST1	2.568	25.87	4276.0
	TERRAPLEN	0.001	0.02	4037.7	EXCAVA SANE0	0.084	1.54	977.6
	TERRAP SANE0	0.084	1.54	977.6				
1530.000	FIRME	5.762	57.54	9056.4	D TIERRA	3.315	38.80	5997.4
	SUELO EST2	2.671	25.59	4255.2	SUELO EST1	2.714	26.41	4302.4
	TERRAPLEN	0.010	0.05	4037.8	EXCAVA SANE0	0.637	3.60	981.2
	TERRAP SANE0	0.637	3.60	981.2				
1540.000	FIRME	5.746	57.54	9113.9	D TIERRA	3.867	35.91	6033.4
	SUELO EST2	2.577	26.24	4281.4	SUELO EST1	2.681	26.98	4329.4
	TERRAPLEN	0.000	0.05	4037.8	EXCAVA SANE0	0.000	3.18	984.4
	TERRAP SANE0	0.000	3.18	984.4				
1550.000	FIRME	5.822	57.84	9171.8	D TIERRA	4.303	40.85	6074.2
	SUELO EST2	2.549	25.63	4307.0	SUELO EST1	2.658	26.70	4356.1

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 11
PROYECTO :
EJE: 56: V微 de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1560.000	FIRME	5.871	58.46	9230.2	D TIERRA	4.937	46.20	6120.4
	SUELO EST2	2.539	25.44	4332.5	SUELO EST1	2.657	26.58	4382.6
1570.000	FIRME	5.920	58.95	9289.2	D TIERRA	5.454	51.95	6172.4
	SUELO EST2	2.541	25.40	4357.9	SUELO EST1	2.661	26.59	4409.2
1580.000	FIRME	5.973	59.47	9348.7	D TIERRA	5.841	56.48	6228.8
	SUELO EST2	2.554	25.47	4383.4	SUELO EST1	2.674	26.67	4435.9
1590.000	FIRME	6.034	60.03	9408.7	D TIERRA	6.405	61.23	6290.1
	SUELO EST2	2.568	25.61	4409.0	SUELO EST1	2.688	26.81	4462.7
1600.000	FIRME	6.336	61.85	9470.6	D TIERRA	7.262	68.34	6358.4
	SUELO EST2	2.676	26.22	4435.2	SUELO EST1	2.795	27.42	4490.1

1610.000	FIRME	6.340	63.38	9533.9	D TIERRA	6.849	70.55	6429.0
1620.000	SUELO EST2	2.692	26.84	4462.0	SUELO EST1	2.813	28.04	4518.2
	FIRME	6.338	63.39	9597.3	D TIERRA	6.995	69.22	6498.2
1630.000	SUELO EST2	2.681	26.87	4488.9	SUELO EST1	2.801	28.07	4546.2
	FIRME	6.334	63.36	9660.7	D TIERRA	7.180	70.87	6569.1
1640.000	SUELO EST2	2.670	26.75	4515.6	SUELO EST1	2.790	27.95	4574.2
	FIRME	6.330	63.32	9724.0	D TIERRA	7.482	73.31	6642.4
1650.000	SUELO EST2	2.661	26.66	4542.3	SUELO EST1	2.781	27.86	4602.1
	FIRME	6.333	63.31	9787.3	D TIERRA	6.902	71.92	6714.3
1660.000	SUELO EST2	2.666	26.64	4568.9	SUELO EST1	2.787	27.84	4629.9
	FIRME	6.011	61.72	9849.0	D TIERRA	5.578	62.40	6776.7
1670.000	SUELO EST2	2.560	26.13	4595.1	SUELO EST1	2.680	27.33	4657.2
	FIRME	5.888	59.50	9908.5	D TIERRA	4.773	51.76	6828.4
1680.000	SUELO EST2	2.530	25.45	4620.5	SUELO EST1	2.650	26.65	4683.9
	FIRME	5.737	58.13	9966.7	D TIERRA	4.100	44.36	6872.8
1690.000	SUELO EST2	2.534	25.32	4645.8	SUELO EST1	2.650	26.50	4710.4
	FIRME	5.780	57.59	10024.2	D TIERRA	3.581	38.40	6911.2
1700.000	SUELO EST2	2.617	25.76	4671.6	SUELO EST1	2.712	26.81	4737.2
	FIRME	5.809	57.94	10082.2	D TIERRA	3.317	34.49	6945.7
1710.000	SUELO EST2	2.678	26.48	4698.1	SUELO EST1	2.747	27.29	4764.5
	FIRME	5.826	58.18	10140.4	D TIERRA	3.273	32.95	6978.6
1720.000	SUELO EST2	2.693	26.86	4724.9	SUELO EST1	2.762	27.54	4792.0
	FIRME	5.806	58.16	10198.5	D TIERRA	3.861	35.67	7014.3
1730.000	SUELO EST2	2.656	26.74	4751.7	SUELO EST1	2.739	27.50	4819.5
	FIRME	5.738	57.72	10256.2	D TIERRA	8.368	61.14	7075.5
1740.000	SUELO EST2	2.355	25.05	4776.7	SUELO EST1	2.475	26.07	4845.6
	FIRME	5.587	56.63	10312.9	D TIERRA	8.228	82.98	7158.4
	SUELO EST2	2.324	23.40	4800.1	SUELO EST1	2.444	24.60	4870.2

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 12
PROYECTO :
EJE: 56: V微 de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1750.000	FIRME	5.899	57.43	10370.3	D TIERRA	9.275	87.51	7246.0
	SUELO EST2	2.430	23.77	4823.9	SUELO EST1	2.550	24.97	4895.2
1760.000	FIRME	5.652	57.75	10428.0	D TIERRA	7.721	84.98	7330.9
	SUELO EST2	2.367	23.98	4847.9	SUELO EST1	2.487	25.19	4920.3
1770.000	FIRME	5.815	57.33	10485.4	D TIERRA	4.231	59.76	7390.7
	SUELO EST2	2.698	25.32	4873.2	SUELO EST1	2.754	26.21	4946.6
1780.000	FIRME	5.870	58.42	10543.8	D TIERRA	2.751	34.91	7425.6
	SUELO EST2	2.815	27.56	4900.7	SUELO EST1	2.829	27.91	4974.5
1790.000	FIRME	5.876	58.73	10602.5	D TIERRA	1.605	21.78	7447.4
	SUELO EST2	2.884	28.50	4929.2	SUELO EST1	2.856	28.43	5002.9
	TERRAPLEN	0.308	1.54	4039.4	EXCAVA SANE0	3.516	17.58	1002.0
	TERRAP SANE0	3.516	17.58	1002.0				
1800.000	FIRME	5.876	58.76	10661.3	D TIERRA	1.079	13.42	7460.8
	SUELO EST2	2.948	29.16	4958.4	SUELO EST1	2.903	28.80	5031.7
	TERRAPLEN	1.098	7.03	4046.4	EXCAVA SANE0	5.468	44.92	1046.9
1810.000	TERRAP SANE0	5.468	44.92	1046.9				
	FIRME	5.877	58.76	10720.1	D TIERRA	0.734	9.05	7469.9
	SUELO EST2	3.014	29.81	4988.2	SUELO EST1	2.938	29.21	5060.9
	TERRAPLEN	1.797	14.48	4060.9	EXCAVA SANE0	5.960	57.17	1104.1
1820.000	TERRAP SANE0	5.960	57.17	1104.1				
	FIRME	5.876	58.77	10778.8	D TIERRA	0.437	5.85	7475.7
	SUELO EST2	3.082	30.48	5018.7	SUELO EST1	2.947	29.43	5090.3
	TERRAPLEN	2.606	22.03	4082.9	EXCAVA SANE0	6.391	61.79	1165.9
1830.000	TERRAP SANE0	6.391	61.79	1165.9				
	FIRME	5.877	58.76	10837.6	D TIERRA	0.191	3.14	7478.8
	SUELO EST2	3.124	31.03	5049.7	SUELO EST1	2.947	29.47	5119.8
	TERRAPLEN	3.574	30.91	4113.8	EXCAVA SANE0	6.798	65.97	1231.8
1840.000	TERRAP SANE0	6.798	65.97	1231.8				
	FIRME	5.877	58.77	10896.4	D TIERRA	0.038	1.14	7480.0
	SUELO EST2	3.142	31.33	5081.1	SUELO EST1	2.946	29.47	5149.3
	TERRAPLEN	4.011	37.94	4151.7	EXCAVA SANE0	7.553	71.78	1303.6
1850.000	TERRAP SANE0	7.553	71.78	1303.6				
	FIRME	5.876	58.76	10955.1	D TIERRA	0.000	0.19	7480.2
	SUELO EST2	3.146	31.44	5112.5	SUELO EST1	2.946	29.46	5178.7
	TERRAPLEN	4.268	41.40	4193.2	EXCAVA SANE0	8.526	80.41	1384.0
1850.000	TERRAP SANE0	8.526	80.41	1384.0				

1910.000	EXCAVA SANE0	8.665	86.66	1811.1	TERRAP SANE0	8.665	86.66	1811.1
	FIRME	5.877	58.76	11307.7	SUELO EST2	3.146	31.46	5301.3
1920.000	SUELO EST1	2.947	29.47	5355.5	TERRAPLEN	5.955	60.54	4469.6
	EXCAVA SANE0	8.624	86.45	1897.5	TERRAP SANE0	8.624	86.45	1897.5
1930.000	FIRME	5.876	58.76	11366.5	D TIERRA	0.081	0.40	7480.6
	SUELO EST2	3.141	31.43	5332.7	SUELO EST1	2.947	29.47	5385.0
1940.000	TERRAPLEN	5.424	56.91	4526.5	EXCAVA SANE0	7.084	78.56	1976.1
	TERRAP SANE0	7.084	78.56	1976.1				
1950.000	FIRME	5.877	58.76	11425.2	D TIERRA	0.291	1.85	7482.4
	SUELO EST2	3.117	31.29	5364.0	SUELO EST1	2.946	29.47	5414.4
1960.000	TERRAPLEN	4.442	49.34	4575.9	EXCAVA SANE0	6.775	69.32	2045.4
	TERRAP SANE0	6.775	69.32	2045.4				
1970.000	FIRME	5.876	58.76	11484.0	D TIERRA	0.546	4.18	7486.6
	SUELO EST2	3.066	30.92	5394.9	SUELO EST1	2.946	29.46	5443.9
1980.000	TERRAPLEN	2.808	36.26	4612.1	EXCAVA SANE0	6.376	65.79	2111.2
	TERRAP SANE0	6.376	65.79	2111.2				
1990.000	FIRME	5.877	58.76	11542.8	D TIERRA	3.286	19.15	7505.8
	SUELO EST2	2.864	29.65	5424.5	SUELO EST1	2.920	29.33	5473.2
2000.000	TERRAPLEN	0.000	14.04	4626.2	EXCAVA SANE0	0.000	31.90	2143.1
	TERRAP SANE0	0.000	31.90	2143.1				
2010.000	FIRME	5.876	58.76	11601.5	D TIERRA	0.990	21.37	7527.1
	SUELO EST2	2.964	29.14	5453.7	SUELO EST1	2.925	29.23	5502.5
2020.000	TERRAPLEN	0.636	3.18	4629.4	EXCAVA SANE0	4.315	21.58	2164.7
	TERRAP SANE0	4.315	21.58	2164.7				

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
1970.000	FIRME	5.876	58.76	11660.3	D TIERRA	1.657	13.22	7540.4	
	SUELO EST2	2.878	29.21	5482.9	SUELO EST1	2.900	29.13	5531.6	
	TERRAPLEN	0.007	3.22	4632.6	EXCAVA SANE0	0.853	25.84	2190.5	
	TERRAP SANE0	0.853	25.84	2190.5					
1980.000	FIRME	5.875	58.76	11719.0	D TIERRA	2.765	22.11	7562.5	
	SUELO EST2	2.765	28.22	5511.1	SUELO EST1	2.842	28.72	5560.3	
	TERRAPLEN	0.000	0.03	4632.6	EXCAVA SANE0	0.000	4.26	2194.8	
	TERRAP SANE0	0.000	4.26	2194.8					
1990.000	FIRME	5.869	58.72	11777.8	D TIERRA	3.427	30.96	7593.4	
	SUELO EST2	2.701	27.33	5538.4	SUELO EST1	2.803	28.23	5588.5	
2000.000	FIRME	5.856	58.62	11836.4	D TIERRA	4.144	37.85	7631.3	
	SUELO EST2	2.629	26.65	5565.1	SUELO EST1	2.747	27.75	5616.3	
2010.000	FIRME	5.837	58.46	11894.8	D TIERRA	4.825	44.84	7676.1	
	SUELO EST2	2.582	26.06	5591.2	SUELO EST1	2.702	27.24	5643.5	
2020.000	FIRME	5.772	58.04	11952.9	D TIERRA	7.782	63.03	7739.1	
	SUELO EST2	2.461	25.21	5616.4	SUELO EST1	2.581	26.41	5670.0	
2030.000	FIRME	5.733	57.52	12010.4	D TIERRA	7.050	74.16	7813.3	
	SUELO EST2	2.425	24.43	5640.8	SUELO EST1	2.546	25.63	5695.6	
2040.000	FIRME	5.689	57.11	12067.5	D TIERRA	7.224	71.37	7884.7	
	SUELO EST2	2.391	24.08	5664.9	SUELO EST1	2.511	25.28	5720.9	
2050.000	FIRME	5.731	57.10	12124.6	D TIERRA	6.846	70.34	7955.0	
	SUELO EST2	2.447	24.19	5689.1	SUELO EST1	2.568	25.39	5746.3	
2060.000	FIRME	5.878	58.05	12182.7	D TIERRA	8.103	74.73	8029.7	
	SUELO EST2	2.459	24.53	5713.6	SUELO EST1	2.579	25.73	5772.0	
2070.000	FIRME	6.281	60.79	12243.5	D TIERRA	10.215	91.57	8121.3	
	SUELO EST2	2.603	25.31	5738.9	SUELO EST1	2.723	26.51	5798.5	
2080.000	FIRME	6.216	62.48	12305.9	D TIERRA	12.286	112.49	8233.8	
	SUELO EST2	2.519	25.61	5764.5	SUELO EST1	2.638	26.81	5825.3	
2090.000	FIRME	6.163	61.90	12367.8	D TIERRA	13.290	127.91	8361.7	
	SUELO EST2	2.500	25.10	5789.6	SUELO EST1	2.620	26.29	5851.6	
2100.000	FIRME	6.375	62.68	12430.5	D TIERRA	14.026	136.59	8498.3	
	SUELO EST2	2.578	25.39	5815.0	SUELO EST1	2.698	26.59	5878.2	
2110.000	FIRME	6.343	63.58	12494.1	D TIERRA	14.739	143.81	8642.1	
	SUELO EST2	2.562	25.70	5840.7	SUELO EST1	2.683	26.90	5905.1	
2120.000	FIRME	6.303	63.22	12557.3	D TIERRA	15.061	148.99	8791.1	
	SUELO EST2	2.541	25.52	5866.2	SUELO EST1	2.662	26.72	5931.8	
2130.000	FIRME	6.094	61.97	12619.3	D TIERRA	14.687	148.72	8939.8	
	SUELO EST2	2.486	25.13	5891.3	SUELO EST1	2.606	26.34	5958.2	

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 15

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
2140.000	FIRME	6.161	61.26	12680.6	D TIERRA	15.119	149.00	9088.8	
	SUELO EST2	2.519	25.02	5916.4	SUELO EST1	2.639	26.22	5984.4	
2150.000	FIRME	6.180	61.69	12742.3	D TIERRA	15.528	153.21	9242.0	
	SUELO EST2	2.529	25.23	5941.6	SUELO EST1	2.649	26.44	6010.8	
2160.000	FIRME	6.226	62.02	12804.3	D TIERRA	15.120	153.21	9395.2	
	SUELO EST2	2.557	25.42	5967.0	SUELO EST1	2.677	26.63	6037.4	
2170.000	FIRME	6.238	62.31	12866.6	D TIERRA	14.189	146.51	9541.7	
	SUELO EST2	2.565	25.60	5992.6	SUELO EST1	2.685	26.81	6064.2	
2180.000	FIRME	6.270	62.53	12929.1	D TIERRA	14.467	143.25	9685.0	
	SUELO EST2	2.589	25.76	6018.4	SUELO EST1	2.709	26.97	6091.2	
2190.000	FIRME	6.806	65.37	12994.5	D TIERRA	15.427	149.44	9834.4	
	SUELO EST2	2.752	26.70	6045.1	SUELO EST1	2.873	27.91	6119.1	
2200.000	FIRME	6.806	68.06	13062.5	D TIERRA	13.494	144.59	9979.0	
	SUELO EST2	2.752	27.52	6072.6	SUELO EST1	2.873	28.73	6147.8	
2210.000	FIRME	6.806	68.06	13130.6	D TIERRA	13.330	134.12	10113.1	
	SUELO EST2	2.752	27.52	6100.1	SUELO EST1	2.872	28.73	6176.6	

2220.000	FIRME	6.806	68.06	13198.7	D TIERRA	13.102	132.16	10245.3
	SUELO EST2	2.752	27.52	6127.7	SUELO EST1	2.873	28.73	6205.3
2230.000	FIRME	6.806	68.06	13266.7	D TIERRA	13.562	133.32	10378.6
	SUELO EST2	2.752	27.52	6155.2	SUELO EST1	2.872	28.73	6234.0
2240.000	FIRME	6.806	68.06	13334.8	D TIERRA	14.339	139.51	10518.1
	SUELO EST2	2.753	27.52	6182.7	SUELO EST1	2.873	28.72	6262.7
2250.000	FIRME	6.806	68.06	13402.8	D TIERRA	14.138	142.39	10660.5
	SUELO EST2	2.753	27.53	6210.2	SUELO EST1	2.872	28.73	6291.5
2260.000	FIRME	6.806	68.06	13470.9	D TIERRA	13.929	140.34	10800.9
	SUELO EST2	2.752	27.52	6237.8	SUELO EST1	2.873	28.73	6320.2
2270.000	FIRME	6.806	68.06	13539.0	D TIERRA	15.359	146.44	10947.3
	SUELO EST2	2.752	27.52	6265.3	SUELO EST1	2.873	28.73	6348.9
2280.000	FIRME	6.806	68.06	13607.0	D TIERRA	15.686	155.23	11102.5
	SUELO EST2	2.753	27.53	6292.8	SUELO EST1	2.872	28.73	6377.6
2290.000	FIRME	6.806	68.06	13675.1	D TIERRA	16.048	158.67	11261.2
	SUELO EST2	2.752	27.52	6320.3	SUELO EST1	2.873	28.73	6406.4
2300.000	FIRME	6.806	68.06	13743.1	D TIERRA	16.416	162.32	11423.5
	SUELO EST2	2.752	27.52	6347.9	SUELO EST1	2.873	28.73	6435.1
2310.000	FIRME	6.806	68.06	13811.2	D TIERRA	16.445	164.30	11587.8
	SUELO EST2	2.753	27.53	6375.4	SUELO EST1	2.872	28.73	6463.8
2320.000	FIRME	6.806	68.06	13879.3	D TIERRA	16.936	166.90	11754.7
	SUELO EST2	2.752	27.53	6402.9	SUELO EST1	2.873	28.73	6492.6

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 16

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
2330.000	FIRME	6.806	68.06	13947.3	D TIERRA	16.876	169.06	11923.8	
	SUELO EST2	2.752	27.52	6430.4	SUELO EST1	2.873	28.73	6521.3	
2340.000	FIRME	6.806	68.06	14015.4	D TIERRA	16.608	167.42	12091.2	
	SUELO EST2	2.753	27.53	6458.0	SUELO EST1	2.873	28.73	6550.0	
2350.000	FIRME	6.806	68.06	14083.4	D TIERRA	16.335	164.72	12255.9	
	SUELO EST2	2.752	27.53	6485.5	SUELO EST1	2.873	28.73	6578.7	
2360.000	FIRME	6.806	68.06	14151.5	D TIERRA	15.000	156.67	12412.6	
	SUELO EST2	2.752	27.52	6513.0	SUELO EST1	2.873	28.73	6607.5	
2370.000	FIRME	6.806	68.06	14219.6	D TIERRA	14.593	147.96	12560.6	
	SUELO EST2	2.753	27.52	6540.5	SUELO EST1	2.873	28.73	6636.2	
2380.000	FIRME	6.806	68.06	14287.6	D TIERRA	14.707	146.50	12707.1	
	SUELO EST2	2.752	27.53	6568.1	SUELO EST1	2.873	28.73	6664.9	
2390.000	FIRME	6.806	68.06	14355.7	D TIERRA	14.689	146.98	12854.0	
	SUELO EST2	2.752	27.52	6595.6	SUELO EST1	2.873	28.73	6693.6	
2400.000	FIRME	6.806	68.06	14423.7	D TIERRA	14.768	147.28	13001.3	
	SUELO EST2	2.753	27.52	6623.1	SUELO EST1	2.873	28.73	6722.4	
2410.000	FIRME	6.828	68.17	14491.9	D TIERRA	16.700	157.33	13158.7	

	TERRAPLEN	0.000	4.86	4725.8	EXCAVA SANE0	0.000	9.12	2416.4
	TERRAP SANE0	0.000	9.12	2416.4				
2560.000	FIRME	6.026	58.60	15460.7	D TIERRA	10.147	102.13	14774.5
	SUELO EST2	2.491	24.01	7072.1	SUELO EST1	2.611	25.20	7181.3
2570.000	FIRME	5.918	59.73	15520.4	D TIERRA	9.089	96.04	14870.6
	SUELO EST2	2.502	24.99	7097.1	SUELO EST1	2.622	26.19	7207.5
2580.000	FIRME	5.987	59.55	15579.9	D TIERRA	8.521	87.97	14958.5
	SUELO EST2	2.554	25.30	7122.4	SUELO EST1	2.674	26.50	7234.0
2590.000	FIRME	6.058	60.23	15640.2	D TIERRA	8.178	83.43	15042.0
	SUELO EST2	2.610	25.83	7148.2	SUELO EST1	2.730	27.03	7261.1
2600.000	FIRME	6.090	60.74	15700.9	D TIERRA	7.998	80.86	15122.8
	SUELO EST2	2.680	26.45	7174.7	SUELO EST1	2.800	27.65	7288.7
2610.000	FIRME	6.080	60.85	15761.8	D TIERRA	7.846	79.22	15202.0
	SUELO EST2	2.731	27.06	7201.7	SUELO EST1	2.843	28.22	7316.9
2620.000	FIRME	6.064	60.73	15822.5	D TIERRA	7.800	78.26	15280.3
	SUELO EST2	2.666	27.00	7228.7	SUELO EST1	2.786	28.16	7345.1
2630.000	FIRME	6.047	60.57	15883.0	D TIERRA	7.727	77.66	15358.0
	SUELO EST2	2.645	26.58	7255.3	SUELO EST1	2.766	27.78	7372.9
2640.000	FIRME	6.072	60.61	15943.7	D TIERRA	7.304	75.13	15433.1
	SUELO EST2	2.627	26.38	7281.7	SUELO EST1	2.747	27.58	7400.4

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V_{de} de servicio Dch. P.K. 110+800

pagina 18

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
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2650.000	FIRME	6.051	60.61	16004.3	D TIERRA	7.431	73.62	15506.7
	SUELO EST2	2.615	26.20	7307.9	SUELO EST1	2.735	27.40	7427.8
2660.000	FIRME	6.508	62.72	16067.0	D TIERRA	9.787	86.07	15592.8
	SUELO EST2	2.718	26.62	7334.5	SUELO EST1	2.838	27.81	7455.7
2670.000	FIRME	8.715	75.74	16142.7	D TIERRA	15.046	123.66	15716.4
	SUELO EST2	3.674	31.78	7366.3	SUELO EST1	3.794	32.98	7488.6
2680.000	FIRME	14.427	114.27	16257.0	D TIERRA	26.688	205.92	15922.4
	SUELO EST2	6.168	48.60	7414.9	SUELO EST1	6.289	49.79	7538.4
2680.539	FIRME	14.659	7.71	16264.7	D TIERRA	27.300	14.31	15936.7
	SUELO EST2	6.273	3.30	7418.2	SUELO EST1	6.393	3.36	7541.8

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V_{de} de servicio Dch. P.K. 110+800

pagina 19

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
	MATERIAL			VOLUMEN				
	-----			-----				
	FIRME			16264.7				
	D TIERRA			15936.7				
	SUELO EST2			7418.2				
	SUELO EST1			7541.8				
	TERRAPLEN			4725.8				
	EXCAVA SANE0			2416.4				
	TERRAP SANE0			2416.4				

Istram 18.05.05.29 18/01/19 11:22:07 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
-----	-----	-----	-----	-----	-----	-----	-----	-----
0.000	FIRME	6.436	0.00	0.0	D TIERRA	12.661	0.00	0.0
	SUELO EST2	3.029	0.00	0.0	SUELO EST1	3.155	0.00	0.0
10.000	FIRME	6.074	62.55	62.5	D TIERRA	11.031	118.46	118.5
	SUELO EST2	2.933	29.81	29.8	SUELO EST1	3.058	31.06	31.1
20.000	FIRME	5.963	60.18	122.7	D TIERRA	10.413	107.19	225.6
	SUELO EST2	3.115	30.25	60.1	SUELO EST1	3.122	30.91	62.0
30.000	FIRME	5.963	59.62	182.3	D TIERRA	9.505	99.47	325.1
	SUELO EST2	3.145	31.35	91.4	SUELO EST1	3.118	31.23	93.2
	TERRAPLEN	0.024	0.12	0.1	EXCAVA SANE0	0.335	1.70	1.7
	TERRAP SANE0	0.335	1.70	1.7				
40.000	FIRME	6.153	60.56	242.9	D TIERRA	9.536	94.82	419.9
	SUELO EST2	3.549	33.50	124.9	SUELO EST1	3.397	32.59	125.8
	TERRAPLEN	0.000	0.13	0.2	EXCAVA SANE0	0.000	1.72	3.4
	TERRAP SANE0	0.000	1.72	3.4				
50.000	FIRME	6.191	61.66	304.6	D TIERRA	8.209	88.20	508.1
	SUELO EST2	3.514	35.30	160.2	SUELO EST1	3.417	34.04	159.8
60.000	FIRME	6.239	62.07	366.6	D TIERRA	6.101	71.29	579.4
	SUELO EST2	3.370	34.45	194.7	SUELO EST1	3.343	33.78	193.6
	TERRAPLEN	0.136	0.66	0.9	EXCAVA SANE0	8.266	41.55	45.0
	TERRAP SANE0	8.266	41.55	45.0				
70.000	FIRME	7.978	70.95	437.6	D TIERRA	6.900	64.57	644.0
	SUELO EST2	4.084	37.39	232.0	SUELO EST1	4.058	37.04	230.6
	TERRAPLEN	0.675	4.00	4.9	EXCAVA SANE0	8.295	83.89	128.9
	TERRAP SANE0	8.295	83.89	128.9				
80.000	FIRME	12.632	102.75	540.3	D TIERRA	0.000	34.07	678.1
	SUELO EST2	0.000	20.50	252.6	SUELO EST1	0.000	20.33	251.0
	TERRAPLEN	0.000	3.35	8.3	EXCAVA SANE0	0.000	42.31	171.2
	TERRAP SANE0	0.000	42.31	171.2				
90.000	FIRME	15.788	141.98	682.3				
100.000	FIRME	15.879	158.48	840.8				
110.000	FIRME	15.969	159.35	1000.1				
120.000	FIRME	13.859	148.66	1148.8				

130.000	FIRME	8.305	110.02	1258.8	D TIERRA	7.856	38.14	716.2
	SUELO EST2	4.283	21.39	273.9	SUELO EST1	4.257	21.21	272.2
	TERRAPLEN	0.108	0.57	8.8	EXCAVA SANE0	1.247	6.61	177.8
	TERRAP SANE0	1.247	6.61	177.8				

Istram 18.05.05.29 18/01/19 11:22:07 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
-----	-----	-----	-----	-----	-----	-----	-----	-----
140.000	FIRME	6.442	73.34	1332.2	D TIERRA	7.788	76.59	792.8
	SUELO EST2	3.329	38.07	312.0	SUELO EST1	3.325	37.84	310.0
	TERRAPLEN	0.000	0.57	9.4	EXCAVA SANE0	0.000	6.61	184.4
	TERRAP SANE0	0.000	6.61	184.4				
150.000	FIRME	6.697	65.41	1397.6	D TIERRA	10.195	88.74	881.5
	SUELO EST2	3.369	33.52	345.5	SUELO EST1	3.417	33.69	343.7
160.000	FIRME	6.673	66.52	1464.1	D TIERRA	10.659	103.03	984.6
	SUELO EST2	3.293	33.29	378.8	SUELO EST1	3.395	34.02	377.7
170.000	FIRME	6.592	66.08	1530.2	D TIERRA	10.281	103.83	1088.4
	SUELO EST2	3.217	32.52	411.3	SUELO EST1	3.339	33.63	411.4
180.000	FIRME	6.192	63.81	1594.0	D TIERRA	8.727	94.62	1183.0
	SUELO EST2	3.025	31.21	442.5	SUELO EST1	3.150	32.44	443.8
190.000	FIRME	6.059	61.24	1655.2	D TIERRA	7.450	80.75	1263.8
	SUELO EST2	3.016	30.22	472.8	SUELO EST1	3.138	31.45	475.3
200.000	FIRME	6.060	60.60	1715.8	D TIERRA	6.435	69.39	1333.2
	SUELO EST2	3.066	30.41	503.2	SUELO EST1	3.186	31.63	506.9
210.000	FIRME	6.042	60.51	1776.3	D TIERRA	5.466	59.50	1392.7
	SUELO EST2	3.142	31.04	534.2	SUELO EST1	3.253	32.20	539.1
220.000	FIRME	6.084	60.62	1837.0	D TIERRA	4.878	51.71	1444.4
	SUELO EST2	3.229	31.86	566.1	SUELO EST1	3.289	32.71	571.8
230.000	FIRME	6.123	61.02	1898.0	D TIERRA	4.916	48.90	1493.3
	SUELO EST2	3.256	32.44	598.5	SUELO EST1	3.267	32.79	604.6
240.000	FIRME	6.163	61.40	1959.4	D TIERRA	4.252	45.63	1538.9
	SUELO EST2	3.302	32.83	631.3	SUELO EST1	3.276	32.73	637.3
250.000	FIRME	6.180	61.66	2021.0	D TIERRA	3.615	38.93	1577.8
	SUELO EST2	3.306	33.11	664.5	SUELO EST1	3.278	32.79	670.1
	TERRAPLEN	0.106	0.55	10.0	EXCAVA SANE0	1.326	6.84	191.2
	TERRAP SANE0	1.326	6.84	191.2				
260.000	FIRME	6.197	61.81	2082.9	D TIERRA	3.220	33.56	1611.4
	SUELO EST2	3.307	33.15	697.6	SUELO EST1	3.281	32.82	703.0
	TERRAPLEN	0.485	3.07	13.0	EXCAVA SANE0	2.579	20.26	211.5
	TERRAP SANE0	2.579	20.26	211.5				
270.000	FIRME	6.210	61.95	2144.8	D TIERRA	2.845	29.57	1641.0
	SUELO EST2	3.319	33.23	730.8	SUELO EST1	3.294	32.90	735.9
	TERRAPLEN	0.819	6.81	19.8	EXCAVA SANE0	3.255	30.34	241.8
	TERRAP SANE0	3.255	30.34	241.8				

Istram 18.05.05.29 18/01/19 11:22:07 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
-----	-----	-----	-----	-----	-----	-----	-----	-----
280.000	FIRME	6.190	61.91	2206.7	D TIERRA	3.803	32.46	1673.4
	SUELO EST2	3.292	33.16	764.0	SUELO EST1	3.265	32.83	768.7
	TERRAPLEN	0.249	5.59	25.4	EXCAVA SANE0	1.865	26.67	268.5
	TERRAP SANE0	1.865	26.67	268.5				
290.000	FIRME	6.213	61.93	2268.6	D TIERRA	7.425	55.46	1728.9
	SUELO EST2	3.169	32.41	796.4	SUELO EST1	3.209	32.42	801.1
	TERRAPLEN	0.000	1.31	26.7	EXCAVA SANE0	0.000	9.75	278.3
	TERRAP SANE0	0.000	9.75	278.3				
300.000	FIRME	6.228	62.11	2330.8	D TIERRA	1.717	45.14	1774.0
	SUELO EST2	3.377	32.82	829.2	SUELO EST1	3.351	32.83	833.9
	TERRAPLEN	1.407	7.30	34.0	EXCAVA SANE0	4.638	23.91	302.2
	TERRAP SANE0	4.638	23.91	302.2				
310.000	FIRME	6.698	64.40	2395.2	D TIERRA	8.975	52.40	1826.4

PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
370.000	FIRME	6.178	61.82	2769.4	D TIERRA	2.686	25.83	2058.4		
	SUELO EST2	3.328	33.35	1062.7	SUELO EST1	3.300	33.01	1065.0		
	TERRAPLEN	0.413	6.36	82.5	EXCAVA SANE0	2.586	30.57	484.6		
	TERRAP SANE0	2.586	30.57	484.6						
380.000	FIRME	6.142	61.56	2831.0	D TIERRA	3.778	31.98	2090.4		
	SUELO EST2	3.303	33.21	1095.9	SUELO EST1	3.275	32.89	1097.9		
	TERRAPLEN	0.001	2.12	84.6	EXCAVA SANE0	0.116	13.83	498.4		
	TERRAP SANE0	0.116	13.83	498.4						
390.000	FIRME	6.096	61.17	2892.1	D TIERRA	4.907	43.25	2133.6		
	SUELO EST2	3.245	32.78	1128.7	SUELO EST1	3.250	32.63	1130.6		
	EXCAVA SANE0	0.000	0.59	499.0	TERRAP SANE0	0.000	0.59	499.0		
400.000	FIRME	6.081	60.88	2953.0	D TIERRA	4.643	47.69	2181.3		
	SUELO EST2	3.231	32.39	1161.1	SUELO EST1	3.253	32.52	1163.1		
410.000	FIRME	6.082	60.82	3013.8	D TIERRA	4.717	46.79	2228.1		
	SUELO EST2	3.190	32.10	1193.2	SUELO EST1	3.254	32.54	1195.6		
420.000	FIRME	6.110	60.96	3074.8	D TIERRA	4.778	47.47	2275.6		
	SUELO EST2	3.162	31.76	1224.9	SUELO EST1	3.258	32.56	1228.2		
430.000	FIRME	6.113	61.11	3135.9	D TIERRA	4.987	48.82	2324.4		
	SUELO EST2	3.139	31.50	1256.4	SUELO EST1	3.246	32.52	1260.7		
440.000	FIRME	6.083	60.98	3196.9	D TIERRA	6.828	59.08	2383.5		
	SUELO EST2	2.983	30.61	1287.0	SUELO EST1	3.106	31.76	1292.5		
450.000	FIRME	6.064	60.74	3257.6	D TIERRA	7.286	70.57	2454.1		
	SUELO EST2	2.951	29.67	1316.7	SUELO EST1	3.074	30.90	1323.4		
460.000	FIRME	6.038	60.51	3318.1	D TIERRA	7.802	75.44	2529.5		
	SUELO EST2	2.914	29.32	1346.0	SUELO EST1	3.037	30.56	1353.9		
470.000	FIRME	6.077	60.58	3378.7	D TIERRA	9.593	86.97	2616.5		
	SUELO EST2	2.869	28.91	1374.9	SUELO EST1	2.993	30.15	1384.1		
480.000	FIRME	6.050	60.63	3439.3	D TIERRA	7.647	86.20	2702.7		
	SUELO EST2	2.925	28.97	1403.9	SUELO EST1	3.048	30.21	1414.3		
490.000	FIRME	6.090	60.70	3500.0	D TIERRA	6.779	72.13	2774.8		
	SUELO EST2	2.986	29.56	1433.5	SUELO EST1	3.109	30.79	1445.1		
500.000	FIRME	6.102	60.96	3561.0	D TIERRA	6.355	65.67	2840.5		
	SUELO EST2	3.015	30.01	1463.5	SUELO EST1	3.139	31.24	1476.3		
510.000	FIRME	6.111	61.07	3622.1	D TIERRA	5.674	60.15	2900.6		
	SUELO EST2	3.069	30.42	1493.9	SUELO EST1	3.191	31.65	1508.0		
520.000	FIRME	6.114	61.12	3683.2	D TIERRA	4.693	51.84	2952.5		
	SUELO EST2	3.166	31.17	1525.1	SUELO EST1	3.275	32.33	1540.3		

Istram 18.05.05.29 18/01/19 11:22:07 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
530.000	FIRME	6.114	61.14	3744.3	D TIERRA	3.813	42.53	2995.0		
	SUELO EST2	3.260	32.13	1557.2	SUELO EST1	3.330	33.03	1573.3		
540.000	FIRME	6.114	61.14	3805.5	D TIERRA	2.887	33.50	3028.5		
	SUELO EST2	3.355	33.08	1590.3	SUELO EST1	3.357	33.43	1606.7		
550.000	FIRME	6.114	61.14	3866.6	D TIERRA	1.916	24.02	3052.5		
	SUELO EST2	3.441	33.98	1624.3	SUELO EST1	3.363	33.60	1640.3		
560.000	FIRME	6.114	61.14	3927.7	D TIERRA	0.976	14.46	3067.0		
	SUELO EST2	3.501	34.71	1659.0	SUELO EST1	3.363	33.63	1674.0		
570.000	FIRME	6.114	61.14	3988.9	D TIERRA	2.736	18.56	3085.5		
	SUELO EST2	3.370	34.35	1693.3	SUELO EST1	3.360	33.62	1707.6		
580.000	FIRME	6.114	61.14	4050.0	D TIERRA	2.006	23.71	3109.2		
	SUELO EST2	3.436	34.03	1727.4	SUELO EST1	3.363	33.62	1741.2		
590.000	FIRME	6.114	61.14	4111.1	D TIERRA	1.572	17.89	3127.1		
	SUELO EST2	3.469	34.53	1761.9	SUELO EST1	3.363	33.63	1774.8		
600.000	FIRME	6.114	61.14	4172.3	D TIERRA	2.333	19.52	3146.6		
	SUELO EST2	3.370	34.20	1796.1	SUELO EST1	3.350	33.57	1808.4		
610.000	FIRME	6.108	61.11	4233.4	D TIERRA	5.458	38.95	3185.6		
	SUELO EST2	3.102	32.36	1828.4	SUELO EST1	3.215	32.83	1841.2		
620.000	FIRME	6.085	60.96	4294.4	D TIERRA	6.722	60.90	3246.5		
	SUELO EST2	2.991	30.46	1858.9	SUELO EST1	3.114	31.64	1872.9		
630.000	FIRME	6.046	60.66	4355.0	D TIERRA	7.682	72.02	3318.5		
	SUELO EST2	2.923	29.57	1888.5	SUELO EST1	3.046	30.80	1903.7		
640.000	FIRME	6.070	60.58	4415.6	D TIERRA	7.231	74.56	3393.1		
	SUELO EST2	2.955	29.39	1917.9	SUELO EST1	3.078	30.62	1934.3		
650.000	FIRME	6.088	60.79	4476.4	D TIERRA	6.741	69.86	3462.9		
	SUELO EST2	2.989	29.72	1947.6	SUELO EST1	3.112	30.95	1965.3		
660.000	FIRME	6.091	60.89	4537.3	D TIERRA	6.535	66.38	3529.3		
	SUELO EST2	3.003	29.96	1977.5	SUELO EST1	3.127	31.20	1996.5		
670.000	FIRME	6.078	60.85	4598.1	D TIERRA	6.218	63.77	3593.1		
	SUELO EST2	3.014	30.09	2007.6	SUELO EST1	3.136	31.31	2027.8		
680.000	FIRME	6.068	60.73	4658.8	D TIERRA	5.839	60.29	3653.4		
	SUELO EST2	3.050	30.32	2037.9	SUELO EST1	3.161	31.48	2059.2		
690.000	FIRME	6.162	61.15	4720.0	D TIERRA	7.504	66.72	3720.1		
	SUELO EST2	3.061	30.55	2068.5	SUELO EST1	3.172	31.66	2090.9		
700.000	FIRME	6.208	61.85	4781.8	D TIERRA	8.978	82.41	3802.5		
	SUELO EST2	2.913	29.87	2098.4	SUELO EST1	3.035	31.04	2121.9		

Istram 18.05.05.29 18/01/19 11:22:07 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
710.000	FIRME	6.264	62.36	4844.2	D TIERRA	3.995	64.86	3867.4		
	SUELO EST2	3.293	31.03	2129.4	SUELO EST1	3.259	31.47	2153.4		
	TERRAPLEN	0.157	0.78	85.4						
720.000	FIRME	6.114	61.89	4906.1	D TIERRA	0.047	20.21	3887.6		
	SUELO EST2	3.551	34.22	2163.6	SUELO EST1	3.363	33.11	2186.5		
	TERRAPLEN	3.293	17.25	102.6						
730.000	FIRME	6.114	61.14	4967.2	D TIERRA	0.000	0.23	3887.8		
	SUELO EST2	3.556	35.53	2199.1	SUELO EST1	3.363	33.63	2220.2		
	TERRAPLEN	6.704	49.98	152.6						
740.000	FIRME	6.114	61.14	5028.4	SUELO EST2	3.556	35.56	2234.7		
	SUELO EST1	3.364	33.64	2253.8	TERRAPLEN	8.510	76.07	228.7		
750.000	FIRME	6.114	61.14	5089.5	SUELO EST2	3.556	35.56	2270.3		
	SUELO EST1	3.364	33.64	2287.4	TERRAPLEN	14.619	115.64	344.3		
760.000	FIRME	6.114	61.14	5150.6	SUELO EST2	3.556	35.56	2305.8		
	SUELO EST1	3.363	33.63	2321.1	TERRAPLEN	15.415	150.17	494.5		
770.000	FIRME	6.114	61.14	5211.8	SUELO EST2	3.556	35.56	2341.4		
	SUELO EST1	3.363	33.63	2354.7	TERRAPLEN	15.912	156.64	651.1		
780.000	FIRME	6.114	61.14	5272.9	SUELO EST2	3.556	35.56	2376.9		
	SUELO EST1	3.363	33.63	2388.3	TERRAPLEN	6.577	112.44	763.6		
790.000	FIRME	6.114	61.14	5334.0	SUELO EST2	3.556	35.56	2412.5		
	SUELO EST1	3.363	33.63	2422.0	TERRAPLEN	16.142	113.60	877.1		
800.000	FIRME	6.114	61.14	5395.2	SUELO EST2	3.556	35.56	2448.1		
	SUELO EST1	3.363	33.63	2455.6	TERRAPLEN	19.880	180.11	1057.3		
810.000	FIRME	6.114	61.14	5456.3	SUELO EST2	3.556	35.56	2483.6		
	SUELO EST1	3.363	33.63	2489.2	TERRAPLEN	8.404	141.42	1198.7		
820.000	FIRME	6.114	61.14	5517.5	SUELO EST2	3.556	35.56	2519.2		
	SUELO EST1	3.363	33.63	2522.9	TERRAPLEN	17.462	129.33	1328.0		
830.000	FIRME	6.114	61.14	5578.6	SUELO EST2	3.556	35.56	2554.7		
	SUELO EST1	3.364	33.63	2556.5	TERRAPLEN	20.673	190.68	1518.7		
840.000	FIRME	6.114	61.14	5639.7	SUELO EST2	3.556	35.56	2590.3		
	SUELO EST1	3.364	33.64	2590.1	TERRAPLEN	20.519	205.96	1724.7		
850.000	FIRME	6.114	61.14	5700.9	SUELO EST2	3.555	35.56	2625.9		
	SUELO EST1	3.364	33.64	2623.8	TERRAPLEN	16.004	182.62	1907.3		
860.000	FIRME	6.114	61.14	5762.0	SUELO EST2	3.556	35.56	2661.4		
	SUELO EST1	3.364	33.64	2657.4	TERRAPLEN	14.679	153.42	2060.7		
870.000	FIRME	6.114	61.14	5823.1	SUELO EST2	3.556	35.56	2697.0		
	SUELO EST1	3.363	33.63	2691.0	TERRAPLEN	14.656	146.67	2207.4		

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
880.000	FIRME	6.114		61.14		5884.3		D TIERRA	0.108		0.54		3888.4	
	SUELO EST2	3.471		35.14		2732.1		SUELO EST1	3.363		33.63		2724.7	
	TERRAPLEN	14.819		147.37		2354.7								
890.000	FIRME	6.114		61.14		5945.4		D TIERRA	0.693		4.00		3892.4	
	SUELO EST2	3.482		34.77		2766.9		SUELO EST1	3.364		33.63		2758.1	
	TERRAPLEN	10.027		124.23		2479.0								
900.000	FIRME	6.114		61.14		6006.5		D TIERRA	2.017		13.55		3905.9	
	SUELO EST2	3.449		34.66		2801.5		SUELO EST1	3.361		33.62		2791.9	
	TERRAPLEN	2.352		61.90		2540.9								
910.000	FIRME	6.114		61.14		6067.7		D TIERRA	0.479		12.48		3918.4	
	SUELO EST2	3.556		35.03		2836.6		SUELO EST1	3.364		33.62		2825.6	
	TERRAPLEN	2.172		22.62		2563.5								
920.000	FIRME	6.114		61.14		6128.8		D TIERRA	3.247		18.63		3937.0	
	SUELO EST2	3.520		35.38		2871.9		SUELO EST1	3.363		33.63		2859.2	
	TERRAPLEN	0.135		11.53		2575.0								
930.000	FIRME	6.112		61.13		6189.9		D TIERRA	1.315		22.81		3959.8	
	SUELO EST2	3.302		34.11		2906.1		SUELO EST1	3.268		33.15		2892.3	
	TERRAPLEN	0.905		5.20		2580.2								
940.000	FIRME	6.114		61.13		6251.1		D TIERRA	1.302		13.09		3972.9	
	SUELO EST2	3.315		33.09		2939.1		SUELO EST1	3.281		32.74		2925.1	
	TERRAPLEN	1.122		10.13		2590.3								
950.000	FIRME	6.114		61.14		6312.2		D TIERRA	0.623		9.63		3982.5	
	SUELO EST2	3.424		33.70		2972.8		SUELO EST1	3.354		33.18		2958.3	
	TERRAPLEN	1.458		12.90		2603.2								
960.000	FIRME	6.114		61.14		6373.3		D TIERRA	0.453		5.38		3987.9	
	SUELO EST2	3.455		34.39		3007.2		SUELO EST1	3.362		33.58		2991.8	
	TERRAPLEN	2.448		19.53		2622.8								
970.000	FIRME	6.114		61.14		6434.5		D TIERRA	0.017		2.35		3990.3	
	SUELO EST2	3.552		35.03		3042.3		SUELO EST1	3.363		33.62		3025.5	
	TERRAPLEN	3.339		28.93		2651.7								
980.000	FIRME	6.114		61.14		6495.6		D TIERRA	0.000		0.09		3990.4	
	SUELO EST2	3.556		35.54		3077.8		SUELO EST1	3.363		33.63		3059.1	
	TERRAPLEN	4.096		37.18		2688.9								
990.000	FIRME	6.114		61.14		6556.7		SUELO EST2	3.556		35.56		3113.4	
	SUELO EST1	3.364		33.64		3092.7		TERRAPLEN	4.311		42.04		2730.9	
1000.000	FIRME	6.114		61.14		6617.9		SUELO EST2	3.556		35.56		3148.9	
	SUELO EST1	3.364		33.64		3126.4		TERRAPLEN	5.678		49.95		2780.9	

1020.000	SUELO EST1	3.363	33.64	3160.0	TERRAPLEN	6.441	60.60	2841.5
	FIRME	6.110	61.12	6740.1	SUELO EST2	3.555	35.56	3220.0
1030.000	SUELO EST1	3.362	33.62	3193.6	TERRAPLEN	6.535	64.88	2906.3
	FIRME	6.516	63.13	6803.3	D TIERRA	8.716	43.58	4033.9
1040.000	SUELO EST2	3.414	34.85	3254.9	SUELO EST1	3.381	33.71	3227.3
	TERRAPLEN	4.452	54.94	2961.3				
1050.000	FIRME	6.057	62.87	6866.1	D TIERRA	0.000	43.57	4077.5
	SUELO EST2	3.529	34.71	3289.6	SUELO EST1	3.340	33.61	3260.9
1060.000	TERRAPLEN	9.048	67.51	3028.8				
	FIRME	6.036	60.47	6926.6	D TIERRA	2.168	10.83	4088.3
1070.000	SUELO EST2	3.334	34.32	3323.9	SUELO EST1	3.296	33.18	3294.1
	TERRAPLEN	5.498	72.80	3101.6				
1080.000	FIRME	6.036	60.35	6987.0	D TIERRA	2.568	23.62	4112.0
	SUELO EST2	3.257	32.97	3356.9	SUELO EST1	3.227	32.62	3326.7
1090.000	TERRAPLEN	5.528	55.32	3156.9				
	FIRME	6.036	60.35	7047.3	D TIERRA	2.749	26.49	4138.4
1100.000	SUELO EST2	3.246	32.53	3389.4	SUELO EST1	3.217	32.23	3359.0
	TERRAPLEN	4.891	52.38	3209.3				
1110.000	FIRME	6.025	60.29	7107.6	D TIERRA	2.622	26.73	4165.2
	SUELO EST2	3.237	32.43	3421.8	SUELO EST1	3.209	32.14	3391.1
1120.000	TERRAPLEN	3.158	40.56	3249.9				
	FIRME	6.008	60.15	7167.7	D TIERRA	2.469	25.30	4190.5
1130.000	SUELO EST2	3.222	32.32	3454.2	SUELO EST1	3.194	32.02	3423.1
	TERRAPLEN	1.878	25.42	3275.3				
1140.000	FIRME	5.995	59.99	7227.7	D TIERRA	2.255	23.44	4213.9
	SUELO EST2	3.213	32.20	3486.4	SUELO EST1	3.186	31.90	3455.0
1150.000	TERRAPLEN	1.609	17.63	3292.9				
	FIRME	5.992	59.91	7287.6	D TIERRA	1.995	21.05	4235.0
1160.000	SUELO EST2	3.218	32.18	3518.6	SUELO EST1	3.192	31.90	3486.9
	TERRAPLEN	0.348	9.89	3302.8				
1170.000	FIRME	5.961	59.74	7347.4	D TIERRA	4.995	34.84	4269.8
	SUELO EST2	2.950	30.86	3549.4	SUELO EST1	3.075	31.34	3518.3
1180.000	TERRAPLEN	0.000	1.75	3304.5				
	FIRME	6.007	59.81	7407.2	D TIERRA	7.424	62.04	4331.9
1190.000	SUELO EST2	2.915	29.33	3578.7	SUELO EST1	3.041	30.59	3548.8
	FIRME	6.054	60.27	7467.5	D TIERRA	7.983	76.95	4408.8
1200.000	SUELO EST2	2.926	29.21	3607.9	SUELO EST1	3.053	30.47	3579.3

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1150.000	FIRME	6.117	60.81	7528.3	D TIERRA	8.407	81.83	4490.6
	SUELO EST2	2.951	29.38	3637.3	SUELO EST1	3.077	30.65	3610.0
1160.000	FIRME	6.460	62.80	7591.1	D TIERRA	10.891	96.22	4586.9
	SUELO EST2	3.057	30.02	3667.4	SUELO EST1	3.182	31.28	3641.3
1170.000	FIRME	5.891	61.70	7652.8	D TIERRA	6.209	85.27	4672.1
	SUELO EST2	2.869	29.62	3697.0	SUELO EST1	2.996	30.88	3672.4
1180.000	FIRME	6.044	59.65	7712.4	D TIERRA	6.259	62.23	4734.4
	SUELO EST2	3.153	30.13	3727.1	SUELO EST1	3.127	30.63	3702.8
1190.000	FIRME	6.024	60.31	7772.7	D TIERRA	3.691	49.74	4784.1
	SUELO EST2	3.507	33.31	3760.4	SUELO EST1	3.330	32.29	3735.0
	TERRAPLEN	0.336	1.66	3306.2				
1200.000	FIRME	6.037	60.29	7833.0	D TIERRA	3.860	37.84	4821.9
	SUELO EST2	3.510	35.08	3795.5	SUELO EST1	3.332	33.30	3768.3
	TERRAPLEN	0.150	2.42	3308.6				
1210.000	FIRME	6.040	60.37	7893.4	D TIERRA	4.141	40.05	4862.0
	SUELO EST2	3.500	35.05	3830.5	SUELO EST1	3.332	33.32	3801.7
	TERRAPLEN	0.388	2.72	3311.3				
1220.000	FIRME	6.037	60.38	7953.8	D TIERRA	3.532	38.38	4900.4
	SUELO EST2	3.504	35.02	3865.6	SUELO EST1	3.331	33.31	3835.0
	TERRAPLEN	0.338	3.66	3315.0				
1230.000	FIRME	6.044	60.40	8014.2	D TIERRA	4.282	39.06	4939.4
	SUELO EST2	3.282	33.93	3899.5	SUELO EST1	3.252	32.92	3867.9
	TERRAPLEN	0.241	2.91	3317.9				
1240.000	FIRME	6.049	60.46	8074.6	D TIERRA	5.358	48.18	4987.6
	SUELO EST2	3.244	32.64	3932.1	SUELO EST1	3.212	32.32	3900.2
	TERRAPLEN	0.159	2.01	3319.9				
1250.000	FIRME	6.023	60.36	8135.0	D TIERRA	7.609	64.83	5052.4
	SUELO EST2	3.197	32.20	3964.3	SUELO EST1	3.164	31.88	3932.1
	TERRAPLEN	0.181	1.70	3321.6				
1260.000	FIRME	6.078	60.50	8195.5	D TIERRA	6.708	71.58	5124.0
	SUELO EST2	3.247	32.22	3996.5	SUELO EST1	3.213	31.88	3964.0
	TERRAPLEN	0.289	2.35	3324.0				
1270.000	FIRME	6.547	63.12	8258.6	D TIERRA	9.410	80.59	5204.6
	SUELO EST2	3.429	33.38	4029.9	SUELO EST1	3.394	33.03	3997.0
	TERRAPLEN	0.210	2.49	3326.5				
1280.000	FIRME	6.546	65.47	8324.1	D TIERRA	11.262	103.36	5308.0
	SUELO EST2	3.385	34.07	4064.0	SUELO EST1	3.394	33.94	4030.9
	TERRAPLEN	0.000	1.05	3327.5				

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 10

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1290.000	FIRME	6.547	65.46	8389.6	D TIERRA	10.213	107.38	5415.3
	SUELO EST2	3.268	33.26	4097.3	SUELO EST1	3.372	33.83	4064.8
1300.000	FIRME	6.045	62.96	8452.5	D TIERRA	8.565	93.89	5509.2

1310.000	SUELO EST2	2.938	31.03	4128.3	SUELO EST1	3.062	32.17	4096.9
	FIRME	6.210	61.28	8513.8	D TIERRA	8.603	85.84	5595.1
1320.000	SUELO EST2	3.040	29.89	4158.2	SUELO EST1	3.163	31.12	4128.1
	FIRME	6.164	61.87	8575.7	D TIERRA	9.390	89.97	5685.0
1330.000	SUELO EST2	3.134	30.87	4189.0	SUELO EST1	3.201	31.82	4159.9
	FIRME	6.065	61.15	8636.8	D TIERRA	8.867	91.29	5776.3
1340.000	SUELO EST2	3.196	31.65	4220.7	SUELO EST1	3.194	31.97	4191.9
	FIRME	6.084	60.75	8697.6	D TIERRA	7.198	80.33	5856.7
1350.000	SUELO EST2	3.286	32.41	4253.1	SUELO EST1	3.252	32.23	4224.1
	TERRAPLEN	0.009	0.05	3327.6				
1360.000	FIRME	6.069	60.76	8758.3	D TIERRA	7.036	71.17	5927.8
	SUELO EST2	3.061	31.73	4284.8	SUELO EST1	3.184	32.18	4256.3
1370.000	TERRAPLEN	0.000	0.05	3327.6				
	FIRME	6.053	60.61	8818.9	D TIERRA	6.870	69.52	5997.4
1380.000	SUELO EST2	3.139	31.00	4315.8	SUELO EST1	3.248	32.16	4288.4
	FIRME	6.037	60.44	8879.4	D TIERRA	7.831	73.50	6070.9
1390.000	SUELO EST2	3.290	32.14	4348.0	SUELO EST1	3.323	32.85	4321.3
	FIRME	6.038	60.37	8939.7	D TIERRA	8.127	79.80	6150.7
1400.000	SUELO EST2	3.395	33.42	4381.4	SUELO EST1	3.332	33.27	4354.5
	FIRME	6.092	60.64	9000.4	D TIERRA	8.516	83.26	6233.9
1410.000	SUELO EST2	3.145	32.69	4414.1	SUELO EST1	3.218	32.74	4387.3
	FIRME	5.996	60.42	9060.8	D TIERRA	8.653	85.90	6319.8
1420.000	SUELO EST2	3.017	30.79	4444.9	SUELO EST1	3.134	31.74	4419.0
	FIRME	6.005	59.98	9120.8	D TIERRA	8.356	85.08	6404.9
1430.000	SUELO EST2	3.011	30.12	4475.0	SUELO EST1	3.136	31.33	4450.4
	FIRME	6.006	60.03	9180.8	D TIERRA	8.377	83.68	6488.6
1440.000	SUELO EST2	3.022	30.15	4505.2	SUELO EST1	3.148	31.40	4481.8
	FIRME	5.983	59.92	9240.7	D TIERRA	9.044	87.06	6575.6
1450.000	SUELO EST2	2.970	29.95	4535.1	SUELO EST1	3.096	31.21	4513.0
	FIRME	5.965	59.72	9300.5	D TIERRA	8.548	87.87	6663.5
1460.000	SUELO EST2	2.986	29.78	4564.9	SUELO EST1	3.108	31.02	4544.0
	FIRME	5.989	59.75	9360.2	D TIERRA	7.794	81.62	6745.1
	SUELO EST2	3.066	30.27	4595.2	SUELO EST1	3.167	31.38	4575.4
	FIRME	5.998	59.91	9420.1	D TIERRA	7.582	76.79	6821.9
	SUELO EST2	3.096	30.82	4626.0	SUELO EST1	3.190	31.79	4607.2

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 11

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1470.000	FIRME	6.000	59.97	9480.1	D TIERRA	7.573	75.69	6897.6
	SUELO EST2	3.080	30.89	4656.9	SUELO EST1	3.186	31.88	4639.0
1480.000	FIRME	5.987	59.91	9540.0	D TIERRA	7.633	75.95	6973.5
	SUELO EST2	3.077	30.79	4687.7	SUELO EST1	3.169	31.78	4670.8
1490.000	FIRME	5.984	59.83	9599.8	D TIERRA	7.649	76.31	7049.9
	SUELO EST2	3.050	30.64	4718.3	SUELO EST1	3.155	31.63	4702.4
1500.000	FIRME	6.007	59.93	9659.8	D TIERRA	7.522	75.76	7125.6
	SUELO EST2	3.129	30.90	4749.2	SUELO EST1	3.222	31.89	4734.3
1510.000	FIRME	6.004	60.03	9719.8	D TIERRA	7.465	74.84	7200.5
	SUELO EST2	3.080	31.05	4780.3	SUELO EST1	3.191	32.06	4766.4

1670.000	TERRAP SANE0	0.376	6.40	509.9				
	FIRME	6.008	62.35	10681.5	D TIERRA	3.846	48.64	8263.8
	SUELO EST2	3.516	34.25	5273.2	SUELO EST1	3.327	33.17	5270.2
	TERRAPLEN	1.501	7.75	3336.4	EXCAVA SANE0	7.686	40.35	550.3
1680.000	TERRAP SANE0	7.686	40.35	550.3				
	FIRME	6.008	60.05	10741.6	D TIERRA	3.898	38.62	8302.4
	SUELO EST2	3.515	35.14	5308.3	SUELO EST1	3.326	33.25	5303.4
	TERRAPLEN	2.357	19.52	3355.9	EXCAVA SANE0	7.996	78.44	628.7
1690.000	TERRAP SANE0	7.996	78.44	628.7				
	FIRME	6.008	60.05	10801.6	D TIERRA	3.776	38.25	8340.7
	SUELO EST2	3.516	35.14	5343.5	SUELO EST1	3.326	33.25	5336.7
	TERRAPLEN	3.116	27.66	3383.5	EXCAVA SANE0	8.216	81.09	709.8
1700.000	TERRAP SANE0	8.216	81.09	709.8				
	FIRME	6.008	60.05	10861.7	D TIERRA	3.174	34.62	8375.3
	SUELO EST2	3.516	35.14	5378.6	SUELO EST1	3.326	33.25	5369.9
	TERRAPLEN	4.787	39.98	3423.5	EXCAVA SANE0	8.963	86.00	795.8
1710.000	TERRAP SANE0	8.963	86.00	795.8				
	FIRME	6.008	60.05	10921.7	D TIERRA	3.234	31.94	8407.2
	SUELO EST2	3.516	35.14	5413.7	SUELO EST1	3.327	33.25	5403.2
	TERRAPLEN	3.190	40.36	3463.9	EXCAVA SANE0	8.459	87.24	883.0
1720.000	TERRAP SANE0	8.459	87.24	883.0				
	FIRME	6.008	60.05	10981.8	D TIERRA	3.096	31.58	8438.8
	SUELO EST2	3.516	35.14	5448.9	SUELO EST1	3.327	33.25	5436.4
	TERRAPLEN	2.054	26.55	3490.4	EXCAVA SANE0	7.944	82.09	965.1
1730.000	TERRAP SANE0	7.944	82.09	965.1				
	FIRME	6.008	60.05	11041.8	D TIERRA	3.439	32.61	8471.4
	SUELO EST2	3.515	35.14	5484.0	SUELO EST1	3.327	33.25	5469.7
	TERRAPLEN	2.083	20.98	3511.4	EXCAVA SANE0	2.281	51.32	1016.4
	TERRAP SANE0	2.281	51.32	1016.4				

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 13
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1740.000	FIRME	6.008	60.05	11101.9	D TIERRA	3.441	34.33	8505.7
	SUELO EST2	3.515	35.13	5519.2	SUELO EST1	3.326	33.25	5502.9
	TERRAPLEN	1.967	20.54	3532.0	EXCAVA SANE0	8.052	51.87	1068.3
1750.000	TERRAP SANE0	8.052	51.87	1068.3				
	FIRME	6.008	60.05	11161.9	D TIERRA	2.784	31.04	8536.8
	SUELO EST2	3.516	35.14	5554.3	SUELO EST1	3.327	33.25	5536.2
	TERRAPLEN	3.155	25.96	3557.9	EXCAVA SANE0	8.153	81.12	1149.4
1760.000	TERRAP SANE0	8.153	81.12	1149.4				
	FIRME	6.008	60.05	11222.0	D TIERRA	3.439	31.01	8567.8
	SUELO EST2	3.515	35.14	5589.4	SUELO EST1	3.326	33.25	5569.4
	TERRAPLEN	3.421	33.32	3591.2	EXCAVA SANE0	8.302	82.36	1231.8
1770.000	TERRAP SANE0	8.302	82.36	1231.8				
	FIRME	6.008	60.05	11282.0	D TIERRA	3.590	35.05	8602.8
	SUELO EST2	3.501	35.06	5624.5	SUELO EST1	3.326	33.25	5602.7
	TERRAPLEN	2.340	29.21	3620.4	EXCAVA SANE0	2.243	52.93	1284.7
1780.000	TERRAP SANE0	2.243	52.93	1284.7				
	FIRME	6.008	60.05	11342.1	D TIERRA	3.051	33.12	8636.0
	SUELO EST2	3.512	35.05	5659.5	SUELO EST1	3.326	33.25	5635.9
	TERRAPLEN	2.071	22.38	3642.8	EXCAVA SANE0	2.194	22.49	1307.2
1790.000	TERRAP SANE0	2.194	22.49	1307.2				
	FIRME	6.008	60.05	11402.1	D TIERRA	3.884	34.59	8670.6
	SUELO EST2	3.507	35.08	5694.6	SUELO EST1	3.326	33.25	5669.2
	TERRAPLEN	1.954	20.41	3663.2	EXCAVA SANE0	2.105	21.79	1329.0
1800.000	TERRAP SANE0	2.105	21.79	1329.0				
	FIRME	6.008	60.05	11462.2	D TIERRA	3.802	38.31	8708.9
	SUELO EST2	3.508	35.06	5729.7	SUELO EST1	3.327	33.25	5702.4
	TERRAPLEN	1.145	15.71	3678.9	EXCAVA SANE0	1.828	19.93	1348.9
1810.000	TERRAP SANE0	1.828	19.93	1348.9				
	FIRME	6.008	60.05	11522.2	D TIERRA	3.356	35.64	8744.5
	SUELO EST2	3.432	34.69	5764.4	SUELO EST1	3.327	33.25	5735.7
	TERRAPLEN	0.904	10.38	3689.3	EXCAVA SANE0	0.000	9.26	1358.2
1820.000	TERRAP SANE0	0.000	9.26	1358.2				
	FIRME	6.008	60.05	11582.3	D TIERRA	3.613	34.69	8779.2
	SUELO EST2	3.326	33.80	5798.2	SUELO EST1	3.290	33.07	5768.8
	TERRAPLEN	0.538	7.31	3696.6				
1830.000	TERRAP SANE0	0.538	7.31	3696.6				
	FIRME	6.018	60.11	11642.4	D TIERRA	3.853	37.24	8816.4
	SUELO EST2	3.433	33.80	5832.0	SUELO EST1	3.329	33.08	5801.8
	TERRAPLEN	0.103	3.25	3699.9				

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 14
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1840.000	FIRME	6.030	60.22	11702.6	D TIERRA	4.571	42.08	8858.5
	SUELO EST2	3.495	34.63	5866.6	SUELO EST1	3.331	33.29	5835.1
	TERRAPLEN	0.122	1.14	3701.0				
1850.000	TERRAP SANE0	0.122	1.14	3701.0				
	FIRME	6.042	60.34	11763.0	D TIERRA	4.023	42.92	8901.4
	SUELO EST2	3.519	35.06	5901.7	SUELO EST1	3.333	33.32	5868.4
	TERRAPLEN	0.114	1.19	3702.2				
1860.000	TERRAP SANE0	0.114	1.19	3702.2				
	FIRME	6.039	60.40	11823.4	D TIERRA	3.321	36.68	8938.1
	SUELO EST2	3.520	35.19	5936.9	SUELO EST1	3.333	33.32	5901.8
	TERRAPLEN	0.341	2.29	3704.5				
1870.000	TERRAP SANE0	0.341	2.29	3704.5				
	FIRME	6.037	60.37	11883.7	D TIERRA	2.879	30.98	8969.1
	SUELO EST2	3.519	35.19	5972.0	SUELO EST1	3.331	33.32	5935.1

1880.000	TERRAPLEN	0.752	5.49	3710.0				
	FIRME	6.035	60.35	11944.1	D TIERRA	2.831	28.54	8997.6
	SUELO EST2	3.480	35.00	6007.0	SUELO EST1	3.330	33.30	5968.4
	TERRAPLEN	0.976	8.67	3718.7				
1890.000	TERRAP SANE0	0.976	8.67	3718.7				
	FIRME	6.034	60.34	12004.4	D TIERRA	1.394	21.12	9018.7
	SUELO EST2	3.517	34.99	6042.0	SUELO EST1	3.330	33.30	6001.7
	TERRAPLEN	1.496	12.38	3731.0				
1900.000	TERRAP SANE0	1.496	12.38	3731.0				
	FIRME	6.034	60.34	12064.8	D TIERRA	0.391	8.92	9027.7
	SUELO EST2	3.518	35.18	6077.2	SUELO EST1	3.329	33.29	6035.0
	TERRAPLEN	2.652	20.74	3751.8				
1910.000	TERRAP SANE0	2.652	20.74	3751.8				
	FIRME	6.034	60.34	12125.1	D TIERRA	0.000	1.95	9029.6
	SUELO EST2	3.518	35.18	6112.4	SUELO EST1	3.330	33.30	6068.3
	TERRAPLEN	5.161	39.07	3790.8				
1920.000	TERRAP SANE0	5.161	39.07	3790.8				
	FIRME	6.037	60.35	12185.4	SUELO EST2	3.519	35.18	6147.6
	SUELO EST1	3.331	33.30	6101.6	TERRAPLEN	7.580	63.76	3854.6
	SUELO EST2	3.331	33.30	6101.6	SUELO EST2	3.520	35.19	6182.8
1930.000	TERRAP SANE0	7.580	63.76	3854.6				
	FIRME	6.040	60.37	12245.8	SUELO EST2	3.520	35.19	6182.8
	SUELO EST1	3.333	33.31	6134.9	TERRAPLEN	9.606	86.07	3940.7
	SUELO EST2	3.333	33.31	6134.9	SUELO EST2	3.521	35.20	6217.9
1940.000	TERRAP SANE0	9.606	86.07	3940.7				
	FIRME	6.038	60.38	12306.2	SUELO EST2	3.521	35.20	6217.9
	SUELO EST1	3.332	33.32	6168.2	TERRAPLEN	11.140	103.99	4044.7
	SUELO EST2	3.332	33.32	6168.2	TERRAPLEN	11.140	103.99	4044.7
1950.000	TERRAP SANE0	11.140	103.99	4044.7				
	FIRME	6.025	60.29	12366.5	SUELO EST2	3.519	35.18	6253.1
	SUELO EST1	3.330	33.30	6201.5	TERRAPLEN	13.650	124.39	4169.0
	SUELO EST2	3.330	33.30	6201.5	TERRAPLEN	13.650	124.39	4169.0
1960.000	TERRAP SANE0	13.650	124.39	4169.0				
	FIRME	6.012	60.15	12426.6	SUELO EST2	3.516	35.16	6288.3
	SUELO EST1	3.327	33.27	6234.8	TERRAPLEN	16.745	152.67	4321.7
	SUELO EST2	3.327	33.27	6234.8	TERRAPLEN	16.745	152.67	4321.7
1970.000	TERRAP SANE0	16.745	152.67	4321.7				
	FIRME	6.003	60.03	12486.7	SUELO EST2	3.515	35.13	6323.4
	SUELO EST1	3.325	33.24	6268.0	TERRAPLEN	21.130	190.44	4512.1
	SUELO EST2	3.325	33.24	6268.0	TERRAPLEN	21.130	190.44	4512.1
1980.000	TERRAP SANE0	21.130	190.44	4512.1				
	FIRME	6.003	59.99	12546.7	SUELO EST2	3.515	35.12	6358.5
	SUELO EST1	3.325	33.23	6301.3	TERRAPLEN	22.645	220.17	4732.3
	SUELO EST2	3.325	33.23	6301.3	TERRAPLEN	22.645	220.17	4732.3

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 15
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1990.000	FIRME	6.003	59.99	12606.7	SUELO EST2	3.515	35.12	6393.7
	SUELO EST1	3.326	33.24	6334.5	TERRAPLEN	21.955	224.42	4956.7
2000.000	FIRME	6.003	59.99	12666.6	SUELO EST2	3.515	35.12	6428.8
	SUELO EST1	3.325	33.24	6367.7	TERRAPLEN	20.319	212.83	5169.6
2010.000	FIRME	6.003	59.99	12726.6	SUELO EST2	3.515	35.12	6463.9
	SUELO EST1	3.325	33.23	6401.0	TERRAPLEN	18.348	194.69	5364.3
2020.000	FIRME	6.003	59.99	12786.6	SUELO EST2	3.515	35.12	6499.0
	SUELO EST1	3.326	33.23	6434.2	TERRAPLEN	15.693	171.45	5535.7
2030.000	FIRME	6.003	59.99	12846.6	SUELO EST2	3.515	35.12	6534.1
	SUELO EST1	3.326	33.23	6467.4	TERRAPLEN	12.378	141.48	5677.2
2040.000	FIRME	6.003	59.99	12906.6	D TIERRA	0.113	0.55	9030.2
	SUELO EST2	3.486	34.98	6569.1	SUELO EST1	3.325	33.23	6500.7
	TERRAPLEN	8.212	103.95	5781.1				
2050.000	FIRME	6.003	59.99	12966.6	D TIERRA	0.500	3.01	9033.2
	SUELO EST2	3.390	34.37	6603.5	SUELO EST1	3.320	33.20	6533.9
	TERRAPLEN	5.712	70.46	5851.6				
2060.000	FIRME	6.003	59.99	13026.6	D TIERRA	1.019	7.46	9040.6
	SUELO EST2	3.305	33.48	6637.0	SUELO EST1	3.275	32.96	6566.8
	TERRAPLEN	3.873	48.59	5900.2				
2070.000	FIRME	5.963	59.79	13086.4	D TIERRA	2.845	19.07	9059.7
	SUELO EST2	3.177	32.44	6669.4	SUELO EST1	3.151	32.13	6599.0
	TERRAPLEN	1.196	25.74	5925.9				
2080.000	FIRME	6.042	59.98	13146.3	D TIERRA	5.130	39.50	9099.2
	SUELO EST2	3.151	31.69	6701.1	SUELO EST1	3.125	31.40	6630.4
	TERRAPLEN	0.238	7.30	5933.2				
2090.000	FIRME	6.473	62.47	13208.8	D TIERRA	9.446	72.32	9171.5
	SUELO EST2	3.332	32.45	6733.6	SUELO EST1	3.305	32.15	6662.5
	TERRAPLEN	0.031	1.37	5934.6				
2100.000	FIRME	6.472	64.58	13273.4	D TIERRA	12.760	110.23	9281.8
	SUELO EST2	3.332	33.33	6766.9	SUELO EST1	3.305	33.03	6695.5
	TERRAPLEN	3.169	16.40	5951.0				
2110.000	FIRME	5.989	62.21	13335.6	D TIERRA	0.921	67.86	9349.6
	SUELO EST2	3.215	32.76	6799.6	SUELO EST1	3.188	32.46	6728.0
	TERRAPLEN	11.787	76.05	6027.1				
2120.000	FIRME	6.472	62.21	13397.8	D TIERRA	11.998	63.62	9413.2
	SUELO EST2	3.332	32.76	6832.4	SUELO EST1	3.305	32.46	6760.5
	TERRAPLEN	11.880	120.18	6147.2				

2180.000	TERRAPLEN	4.223	61.59	6644.1					
	FIRME	6.476	64.60	13785.3	D TIERRA	6.492	62.58	9861.6	
	SUELO EST2	3.337	33.36	7032.4	SUELO EST1	3.309	33.05	6958.7	
	TERRAPLEN	4.145	42.27	6686.4					
2190.000	FIRME	6.482	64.67	13850.0	D TIERRA	7.776	70.23	9931.8	
	SUELO EST2	3.346	33.43	7065.8	SUELO EST1	3.319	33.13	6991.8	
	TERRAPLEN	3.540	38.81	6725.2					
	FIRME	6.488	64.75	13914.7	D TIERRA	5.914	67.68	9999.5	
2200.000	SUELO EST2	3.356	33.53	7099.4	SUELO EST1	3.328	33.22	7025.0	
	TERRAPLEN	1.783	26.86	6752.1					
2210.000	FIRME	5.990	62.35	13977.1	D TIERRA	3.448	46.48	10045.9	
	SUELO EST2	3.179	32.70	7132.1	SUELO EST1	3.150	32.39	7057.4	
	TERRAPLEN	0.501	11.51	6763.6					
	FIRME	6.145	60.66	14037.7	D TIERRA	6.452	49.35	10095.3	
2220.000	SUELO EST2	3.212	31.98	7164.0	SUELO EST1	3.194	31.73	7089.2	
	TERRAPLEN	0.000	2.53	6766.1					
2230.000	FIRME	6.470	63.05	14100.8	D TIERRA	10.000	82.14	10177.4	
	SUELO EST2	3.235	32.24	7196.3	SUELO EST1	3.342	32.68	7121.8	
2240.000	FIRME	6.492	64.79	14165.6	D TIERRA	12.627	113.06	10290.5	
	SUELO EST2	3.148	31.91	7228.2	SUELO EST1	3.272	33.07	7154.9	
2250.000	FIRME	6.257	63.74	14229.3	D TIERRA	8.863	107.44	10397.9	
	SUELO EST2	3.007	30.77	7259.0	SUELO EST1	3.131	32.02	7186.9	
2260.000	FIRME	6.116	61.86	14291.2	D TIERRA	8.828	88.45	10486.4	
	SUELO EST2	2.906	29.57	7288.5	SUELO EST1	3.029	30.80	7217.7	

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 17

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
2270.000	FIRME	6.100	61.08	14352.3	D TIERRA	8.827	88.27	10574.7	
	SUELO EST2	2.893	29.00	7317.5	SUELO EST1	3.016	30.23	7248.0	
2280.000	FIRME	6.072	60.86	14413.1	D TIERRA	8.408	86.17	10660.8	
	SUELO EST2	2.877	28.85	7346.4	SUELO EST1	3.001	30.08	7278.0	
2290.000	FIRME	6.023	60.48	14473.6	D TIERRA	7.772	80.90	10741.7	
	SUELO EST2	2.898	28.87	7375.2	SUELO EST1	3.020	30.11	7308.1	
2300.000	FIRME	6.055	60.39	14534.0	D TIERRA	7.214	74.93	10816.7	
	SUELO EST2	2.932	29.15	7404.4	SUELO EST1	3.056	30.38	7338.5	
2310.000	FIRME	6.074	60.65	14594.6	D TIERRA	6.764	69.89	10886.6	
	SUELO EST2	2.959	29.46	7433.9	SUELO EST1	3.083	30.69	7369.2	
2320.000	FIRME	6.089	60.82	14655.5	D TIERRA	6.368	65.66	10952.2	
	SUELO EST2	2.985	29.72	7463.6	SUELO EST1	3.108	30.96	7400.2	
2330.000	FIRME	6.097	60.93	14716.4	D TIERRA	6.159	62.64	11014.8	
	SUELO EST2	3.003	29.94	7493.5	SUELO EST1	3.127	31.18	7431.4	
2340.000	FIRME	6.106	61.02	14777.4	D TIERRA	5.885	60.22	11075.1	
	SUELO EST2	3.030	30.17	7523.7	SUELO EST1	3.153	31.40	7462.8	
2350.000	FIRME	6.112	61.09	14838.5	D TIERRA	5.314	56.00	11131.1	
	SUELO EST2	3.071	30.51	7554.2	SUELO EST1	3.195	31.74	7494.5	
2360.000	FIRME	6.105	61.08	14899.6	D TIERRA	3.291	43.02	11174.1	
	SUELO EST2	3.173	31.22	7585.4	SUELO EST1	3.240	32.17	7526.7	
2370.000	FIRME	6.114	61.09	14960.7	D TIERRA	0.841	20.66	11194.8	
	SUELO EST2	3.364	32.69	7618.1	SUELO EST1	3.323	32.82	7559.5	
	TERRAPLEN	2.912	14.56	6780.7	EXCAVA SANE0	17.854	89.27	1447.5	
	TERRAP SANE0	17.854	89.27	1447.5					
2380.000	FIRME	6.114	61.14	15021.8	D TIERRA	0.025	4.33	11199.1	
	SUELO EST2	3.546	34.55	7652.6	SUELO EST1	3.364	33.43	7592.9	
	TERRAPLEN	8.837	58.74	6839.4	EXCAVA SANE0	25.880	218.67	1666.1	
	TERRAP SANE0	25.880	218.67	1666.1					
2390.000	FIRME	6.099	61.06	15082.9	D TIERRA	0.000	0.13	11199.2	
	SUELO EST2	3.549	35.48	7688.1	SUELO EST1	3.357	33.60	7626.5	
	TERRAPLEN	15.912	123.74	6963.1	EXCAVA SANE0	30.296	280.88	1947.0	
	TERRAP SANE0	30.296	280.88	1947.0					
2400.000	FIRME	6.073	60.86	15143.7	SUELO EST2	3.537	35.43	7723.6	
	SUELO EST1	3.347	33.52	7660.0	TERRAPLEN	20.669	182.90	7146.0	
	EXCAVA SANE0	32.464	313.80	2260.8	TERRAP SANE0	32.464	313.80	2260.8	
	FIRME	6.048	60.60	15204.3	SUELO EST2	3.524	35.30	7758.9	
2410.000	SUELO EST1	3.336	33.41	7693.4	TERRAPLEN	45.413	330.40	7476.4	
	EXCAVA SANE0	38.696	355.80	2616.6	TERRAP SANE0	38.696	355.80	2616.6	

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 18

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
2420.000	FIRME	6.036	60.42	15264.8	SUELO EST2	3.518	35.21	7794.1	
	SUELO EST1	3.331	33.33	7726.8	TERRAPLEN	69.002	572.03	8048.5	
	EXCAVA SANE0	39.251	389.71	3006.3	TERRAP SANE0	39.251	389.71	3006.3	
	FIRME	6.036	60.36	15325.1	SUELO EST2	3.519	35.19	7829.2	
2430.000	SUELO EST1	3.330	33.30	7760.1	TERRAPLEN	128.397	986.79	9035.3	
	EXCAVA SANE0	49.290	442.66	3449.0	TERRAP SANE0	49.290	442.66	3449.0	
2440.000	FIRME	6.036	60.36	15385.5	SUELO EST2	3.519	35.19	7864.4	
	SUELO EST1	3.331	33.31	7793.4	TERRAPLEN	187.672	1580.11	10615.4	
	EXCAVA SANE0	54.480	518.82	3967.8	TERRAP SANE0	54.480	518.82	3967.8	
	FIRME	6.036	60.36	15445.8	SUELO EST2	3.518	35.18	7899.6	
2450.000	SUELO EST1	3.331	33.31	7826.7	TERRAPLEN	143.397	1655.58	12270.9	
	EXCAVA SANE0	49.192	518.43	4486.2	TERRAP SANE0	49.192	518.43	4486.2	
2460.000	FIRME	6.036	60.36	15506.2	SUELO EST2	3.519	35.19	7934.8	
	SUELO EST1	3.331	33.31	7860.0	TERRAPLEN	37.487	904.67	13175.6	
2470.000	EXCAVA SANE0	36.426	428.14	4914.4	TERRAP SANE0	36.426	428.14	4914.4	
	FIRME	6.037	60.36	15566.6	SUELO EST2	3.518	35.18	7970.0	

2480.000	SUELO EST1	3.332	33.31	7893.3	TERRAPLEN	23.860	306.76	13482.4	
	EXCAVA SANE0	0.000	182.14	5096.5	TERRAP SANE0	0.000	182.14	5096.5	
	FIRME	6.037	60.37	15626.9	SUELO EST2	3.519	35.19	8005.2	
	SUELO EST1	3.331	33.31	7926.6	TERRAPLEN	17.370	206.17	13688.5	
2490.000	FIRME	6.037	60.37	15687.3	SUELO EST2	3.519	35.19	8040.4	
	SUELO EST1	3.331	33.31	7959.9	TERRAPLEN	9.413	133.93	13822.5	
2500.000	FIRME	6.037	60.37	15747.7	D TIERRA	0.366	1.83	11201.0	
	SUELO EST2	3.520	35.19	8075.6	SUELO EST1	3.331	33.31	7993.3	
	TERRAPLEN	2.823	61.20	13883.7					
	FIRME	6.037	60.37	15808.0	D TIERRA	4.966	26.65	11227.7	
2510.000	SUELO EST2	3.461	34.90	8110.5	SUELO EST1	3.332	33.32	8026.6	
	TERRAPLEN	0.000	14.13	13897.8					
2520.000	FIRME	5.923	59.80	15867.8	D TIERRA	10.685	78.23	11305.9	
	SUELO EST2	3.046	32.54	8143.0	SUELO EST1	3.101	32.17	8058.7	
2530.000	FIRME	6.023	59.73	15927.6	D TIERRA	10.510	105.97	11411.9	
	SUELO EST2	3.181	31.13	8174.1	SUELO EST1	3.201	31.51	8090.2	
2540.000	FIRME	6.795	64.08	15991.7	D TIERRA	17.225	138.69	11550.6	
	SUELO EST2	3.299	32.40	8206.5	SUELO EST1	3.424	33.12	8123.4	
2550.000	FIRME	6.486	66.40	16058.1	D TIERRA	18.522	178.78	11729.3	
	SUELO EST2	3.152	32.26	8238.8	SUELO EST1	3.277	33.51	8156.9	
2560.000	FIRME	6.321	64.04	16122.1	D TIERRA	19.983	192.61	11922.0	
	SUELO EST2	3.096	31.25	8270.0	SUELO EST1	3.221	32.50	8189.4	

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 19

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
2570.000	FIRME	6.407	63.65	16185.8	D TIERRA	19.363	196.84	12118.8	
2580.000	SUELO EST2	3.466	32.81	8302.9	SUELO EST1	3.433	33.28	8222.7	
	FIRME	6.407	64.08	16249.8	D TIERRA	20.190	197.92	12316.7	
	SUELO EST2	3.466	34.65	8337.5	SUELO EST1	3.433	34.33	8257.0	
2590.000	TERRAPLEN	0.693	3.45	13901.3					
	FIRME	6.407	64.08	16313.9	D TIERRA	18.604	194.20	12510.9	
	SUELO EST2	3.466	34.65	8372.2	SUELO EST1	3.432	34.33	8291.3	
2600.000	TERRAPLEN	2.431	15.54	13916.8					
	FIRME	6.407	64.08	16378.0	D TIERRA	19.153	189.09	12700.0	
	SUELO EST2	3.466	34.66	8406.8	SUELO EST1	3.433	34.33	8325.7	
2610.000	TERRAPLEN	3.962	31.82	13948.6					
	FIRME	6.407	64.08	16442.1	D TIERRA	16.401	178.11	12878.1	
	SUELO EST2	3.467	34.66	8441.5	SUELO EST1	3.432	34.33	8360.0	
2620.000	TERRAPLEN	5.914	49.16	13997.8					
	FIRME	6.407	64.08	16506.2	D TIERRA	17.093	167.80	13045.9	
	SUELO EST2	3.467	34.66	8476.1	SUELO EST1	3.432	34.32	8394.3	
2630.000	TERRAPLEN	6.023	59.43	14057.2					
	FIRME	6.407	64.08	16570.2	D TIERRA	15.601	163.80	13209.7	
	SUELO EST2	3.466	34.66	8510.8	SUELO EST1	3.432	34.33	8428.6	
2640.000	TERRAPLEN	6.185	60.78	14118.0					
	FIRME	6.407	64.08	16634.3	D TIERRA	14.273	149.67	13359.4	
	SUELO EST2	3.466	34.65	8545.4	SUELO EST1	3.433	34.33	8463.0	
2650.000	TERRAPLEN	6.087	61.11	14179.1					
	FIRME	6.407	64.08	16698.4	D TIERRA	14.288	143.10	13502.5	
	SUELO EST2	3.466	34.65	8580.1	SUELO EST1	3.433	34.33	8497.3	
2660.000	TERRAPLEN	5.561	58.01	14237.1					
	FIRME	6.407	64.08	16762.5	D TIERRA	16.089	152.21	13654.7	
	SUELO EST2	3.467	34.66	8614.8	SUELO EST1	3.432	34.33	8531.6	
2670.000	TERRAPLEN	5.321	54.21	14291.3					
	FIRME	6.407	64.08	16826.6	D TIERRA	17.506	168.36	13823.1	
	SUELO EST2	3.466	34.66	8649.4	SUELO EST1	3.433	34.33	8565.9	
2680.000	TERRAPLEN	5.127	52.05	14343.4					
	FIRME	6.407	64.08	16890.7	D TIERRA	17.709	176.51	13999.6	
	SUELO EST2	3.466	34.66	8684.1	SUELO EST1	3.432	34.33	8600.3	
2690.000	TERRAPLEN	4.222	46.58	14389.9					
	FIRME	6.407	64.08	16954.7	D TIERRA	17.672	177.34	14176.9	
	SUELO EST2	3.466	34.65	8718.7	SUELO EST1	3.433	34.33	8634.6	
	TERRAPLEN	4.332	42.63	14432.6					

2760.000	FIRME	6.407	64.08	17403.3	D TIERRA	12.442	134.68	15326.4
	SUELO EST2	3.425	34.21	8960.6	SUELO EST1	3.432	34.33	8874.9
	TERRAPLEN	0.706	9.57	14624.7				
2770.000	FIRME	6.407	64.08	17467.4	D TIERRA	20.002	162.54	15489.0
	SUELO EST2	3.427	34.25	8994.9	SUELO EST1	3.433	34.33	8909.2
	TERRAPLEN	0.068	3.86	14628.6				
2780.000	FIRME	6.407	64.08	17531.5	D TIERRA	22.387	212.23	15701.2
	SUELO EST2	3.437	34.32	9029.2	SUELO EST1	3.433	34.33	8943.6
	TERRAPLEN	0.018	0.43	14629.0				
2790.000	FIRME	6.407	64.08	17595.5	D TIERRA	20.564	214.98	15916.2
	SUELO EST2	3.444	34.40	9063.6	SUELO EST1	3.433	34.33	8977.9
	TERRAPLEN	0.001	0.10	14629.1				
2800.000	FIRME	6.407	64.08	17659.6	D TIERRA	17.580	190.93	16107.1
	SUELO EST2	3.457	34.50	9098.1	SUELO EST1	3.433	34.33	9012.2
	TERRAPLEN	0.020	0.11	14629.2				
2810.000	FIRME	6.407	64.08	17723.7	D TIERRA	16.504	170.60	16277.7
	SUELO EST2	3.464	34.60	9132.7	SUELO EST1	3.432	34.33	9046.6
	TERRAPLEN	0.051	0.35	14629.6				

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 21

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
2820.000	FIRME	6.407	64.08	17787.8	D TIERRA	15.546	160.41	16438.1	
	SUELO EST2	3.455	34.59	9167.3	SUELO EST1	3.433	34.33	9080.9	
	TERRAPLEN	0.007	0.29	14629.9					
2830.000	FIRME	6.407	64.08	17851.9	D TIERRA	13.716	146.44	16584.6	
	SUELO EST2	3.457	34.56	9201.8	SUELO EST1	3.432	34.33	9115.2	
	TERRAPLEN	0.000	0.03	14629.9					
2840.000	FIRME	6.119	62.63	17914.5	D TIERRA	9.495	116.13	16700.7	
	SUELO EST2	3.272	33.64	9235.5	SUELO EST1	3.239	33.36	9148.6	
	TERRAPLEN	0.001	0.01	14629.9					
2850.000	FIRME	6.026	60.72	17975.2	D TIERRA	7.939	87.19	16787.9	
	SUELO EST2	3.239	32.54	9268.0	SUELO EST1	3.206	32.22	9180.8	
	TERRAPLEN	6.030	60.27	18035.5	D TIERRA	7.995	79.67	16867.6	
2860.000	FIRME	3.192	32.14	9300.2	SUELO EST1	3.214	32.09	9212.9	
	SUELO EST2	6.029	60.29	18095.8	D TIERRA	8.666	83.29	16950.9	
	SUELO EST2	3.083	31.36	9331.5	SUELO EST1	3.189	32.01	9244.9	
2880.000	FIRME	5.995	60.12	18155.9	D TIERRA	8.933	87.98	17038.8	
	SUELO EST2	2.923	30.02	9361.6	SUELO EST1	3.047	31.18	9276.1	
	TERRAPLEN	5.880	59.37	18215.3	D TIERRA	9.266	90.99	17129.8	
2890.000	FIRME	2.820	28.71	9390.3	SUELO EST1	2.945	29.96	9306.0	
	SUELO EST2	6.042	59.61	18274.9	D TIERRA	10.085	96.74	17226.6	
	TERRAPLEN	2.874	28.47	9418.7	SUELO EST1	2.999	29.72	9335.7	
2910.000	FIRME	6.159	61.00	18335.9	D TIERRA	11.052	105.67	17332.2	
	SUELO EST2	2.927	29.00	9447.7	SUELO EST1	3.053	30.26	9366.0	
	TERRAPLEN	6.096	61.28	18397.2	D TIERRA	11.771	114.12	17446.3	
2920.000	FIRME	2.945	29.36	9477.1	SUELO EST1	3.070	30.61	9396.6	
	SUELO EST2	6.108	61.02	18458.2	D TIERRA	12.219	119.96	17566.3	
	TERRAPLEN	2.954	29.50	9506.6	SUELO EST1	3.079	30.75	9427.4	
2940.000	FIRME	6.033	60.70	18518.9	D TIERRA	6.814	95.17	17661.5	
	SUELO EST2	3.018	29.86	9536.5	SUELO EST1	3.143	31.11	9458.5	
	TERRAPLEN	6.022	60.27	18579.2	D TIERRA	7.205	70.09	17731.6	
2950.000	FIRME	2.979	29.99	9566.4	SUELO EST1	3.105	31.24	9489.7	
	SUELO EST2	6.096	60.59	18639.7	D TIERRA	8.959	80.83	17812.4	
	TERRAPLEN	2.965	29.72	9596.2	SUELO EST1	3.091	30.98	9520.7	
2970.000	FIRME	6.121	61.08	18700.8	D TIERRA	9.493	92.27	17904.7	
	SUELO EST2	2.975	29.70	9625.9	SUELO EST1	3.101	30.96	9551.6	
	TERRAPLEN	6.128	61.24	18762.1	D TIERRA	9.976	97.35	18002.0	
2980.000	FIRME	2.971	29.73	9655.6	SUELO EST1	3.096	30.98	9582.6	
	SUELO EST2								

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 22

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2990.000	FIRME	6.121	61.24	18823.3	D TIERRA	10.505	102.41	18104.4
3000.000	SUELO EST2	2.958	29.65	9685.2	SUELO EST1	3.083	30.89	9613.5
	FIRME	6.241	61.81	18885.1	D TIERRA	11.270	108.88	18213.3
3010.000	SUELO EST2	2.992	29.75	9715.0	SUELO EST1	3.117	31.00	9644.5
	FIRME	6.492	63.66	18948.8	D TIERRA	12.307	117.89	18331.2
3020.000	SUELO EST2	3.132	30.62	9745.6	SUELO EST1	3.257	31.87	9676.4
	FIRME	6.514	65.03	19013.8	D TIERRA	12.682	124.95	18456.2
3030.000	SUELO EST2	3.129	31.31	9776.9	SUELO EST1	3.254	32.56	9708.9
	FIRME	6.513	65.13	19078.9	D TIERRA	12.655	126.66	18582.8
3040.000	SUELO EST2	3.109	31.19	9808.1	SUELO EST1	3.235	32.44	9741.4
	FIRME	6.125	63.17	19142.1	D TIERRA	6.663	96.51	18679.3
3050.000	SUELO EST2	3.206	31.58	9839.7	SUELO EST1	3.186	32.10	9773.5
	FIRME	6.125	61.23	19203.3	D TIERRA	6.595	66.16	18745.5
3060.000	SUELO EST2	3.201	32.06	9871.7	SUELO EST1	3.176	31.82	9805.3
	FIRME	6.090	61.05	19264.4	D TIERRA	5.964	62.60	18808.1
	SUELO EST2	3.181	31.94	9903.7	SUELO EST1	3.153	31.66	9837.0
	TERRAPLEN	0.007	0.03	14629.9	EXCAVA SANE0	0.177	0.89	5097.4
3070.000	TERRAP SANE0	0.177	0.89	5097.4				
	FIRME	6.483	62.80	19327.2	D TIERRA	7.285	65.91	18874.0
	SUELO EST2	3.348	32.67	9936.4	SUELO EST1	3.321	32.37	9869.3
	TERRAPLEN	0.015	0.11	14630.1	EXCAVA SANE0	0.251	2.17	5099.6
3080.000	TERRAP SANE0	0.251	2.17	5099.6				
	FIRME	6.004	62.36	19389.6	D TIERRA	2.459	48.33	18922.3

3090.000	SUELO EST2	3.131	32.43	9968.8	SUELO EST1	3.104	32.13	9901.5
	TERRAPLEN	2.456	12.51	14642.6	EXCAVA SANE0	3.153	17.21	5116.8
	TERRAP SANE0	3.153	17.21	5116.8				
3100.000	FIRME	6.472	62.29	19451.9	D TIERRA	13.496	79.25	19001.6
	SUELO EST2	3.121	31.28	10000.1	SUELO EST1	3.246	31.75	9933.2
	TERRAPLEN	0.000	12.46	14655.0	EXCAVA SANE0	0.000	15.95	5132.7
3110.000	TERRAP SANE0	0.000	15.95	5132.7				
	FIRME	5.998	62.26	19514.1	D TIERRA	1.732	75.64	19077.2
	SUELO EST2	3.235	31.78	10031.8	SUELO EST1	3.209	32.26	9965.5
3120.000	TERRAPLEN	2.548	12.95	14668.0	EXCAVA SANE0	3.133	15.87	5148.6
	TERRAP SANE0	3.133	15.87	5148.6				
	FIRME	5.982	59.86	19574.0	D TIERRA	2.340	20.09	19097.3
	SUELO EST2	3.202	32.22	10064.1	SUELO EST1	3.176	31.93	9997.4
	TERRAPLEN	1.703	21.61	14689.6	EXCAVA SANE0	2.589	29.01	5177.6
	TERRAP SANE0	2.589	29.01	5177.6				

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

pagina 23

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
3120.000	FIRME	5.995	59.84	19633.8		D TIERRA	1.885	20.85	19118.2	
	SUELO EST2	3.227	32.18	10096.2		SUELO EST1	3.202	31.90	10029.3	
	TERRAPLEN	2.246	20.08	14709.7		EXCAVA SANE0	2.967	28.17	5205.8	
	TERRAP SANE0	2.967	28.17	5205.8						
3130.000	FIRME	5.978	59.83	19693.6		D TIERRA	2.461	21.46	19139.6	
	SUELO EST2	3.197	32.16	10128.4		SUELO EST1	3.170	31.87	10061.2	
	TERRAPLEN	1.547	19.29	14729.0		EXCAVA SANE0	2.478	27.61	5233.4	
	TERRAP SANE0	2.478	27.61	5233.4						
3140.000	FIRME	5.982	59.76	19753.4		D TIERRA	2.366	23.84	19163.4	
	SUELO EST2	3.203	32.04	10160.4		SUELO EST1	3.177	31.75	10092.9	
	TERRAPLEN	1.612	16.07	14745.0		EXCAVA SANE0	2.538	25.46	5258.9	
	TERRAP SANE0	2.538	25.46	5258.9						
3150.000	FIRME	5.987	59.81	19813.2		D TIERRA	2.226	22.67	19186.1	
	SUELO EST2	3.211	32.11	10192.6		SUELO EST1	3.185	31.82	10124.7	
	TERRAPLEN	1.725	16.98	14762.0		EXCAVA SANE0	2.634	26.24	5285.1	
	TERRAP SANE0	2.634	26.24	5285.1						
3160.000	FIRME	6.003	59.91	19873.1		D TIERRA	1.087	16.34	19202.5	
	SUELO EST2	3.309	32.63	10225.2		SUELO EST1	3.278	32.31	10157.1	
	TERRAPLEN	3.241	25.22	14787.2		EXCAVA SANE0	3.670	31.91	5317.0	
	TERRAP SANE0	3.670	31.91	5317.0						
3170.000	FIRME	6.003	59.99	19933.1		D TIERRA	0.445	7.53	19210.0	
	SUELO EST2	3.418	33.64	10258.8		SUELO EST1	3.325	33.00	10190.1	
	TERRAPLEN	4.787	40.70	14827.9		EXCAVA SANE0	4.568	41.57	5358.6	
	TERRAP SANE0	4.568	41.57	5358.6						
3180.000	FIRME	6.003	59.99	19993.1		D TIERRA	0.414	4.21	19214.2	
	SUELO EST2	3.424	34.21	10293.0		SUELO EST1	3.326	33.23	10223.3	
	TERRAPLEN	4.888	49.00	14876.9		EXCAVA SANE0	4.626	46.33	5404.9	
	TERRAP SANE0	4.626	46.33	5404.9						
3190.000	FIRME	6.003	59.99	20053.1		D TIERRA	0.417	4.08	19218.3	
	SUELO EST2	3.424	34.23	10327.3		SUELO EST1	3.326	33.23	10256.5	
	TERRAPLEN	4.888	49.51	14926.4		EXCAVA SANE0	4.621	46.59	5451.5	
	TERRAP SANE0	4.621	46.59	5451.5						
3200.000	FIRME	6.002	59.98	20113.1		D TIERRA	1.912	11.48	19229.8	
	SUELO EST2	3.253	33.40	10360.7		SUELO EST1	3.228	32.75	10289.3	
	TERRAPLEN	1.357	31.65	14958.1		EXCAVA SANE0	2.553	36.23	5487.7	
	TERRAP SANE0	2.553	36.23	5487.7						

3280.000	FIRME	13.460	108.88	20654.9	SUELO EST2	7.231	59.47	10664.5
	SUELO EST1	7.042	57.57	10584.3	TERRAPLEN	14.053	112.76	15335.6
	EXCAVA SANE0	11.770	98.55	5899.2	TERRAP SANE0	11.770	98.55	5899.2
3281.848	FIRME	14.126	25.64	20680.6	D TIERRA	0.303	0.27	19279.1
	SUELO EST2	7.487	13.68	10678.1	SUELO EST1	7.376	13.40	10597.7
	TERRAPLEN	12.610	24.95	15360.6	EXCAVA SANE0	11.042	21.28	5920.4
	TERRAP SANE0	11.042	21.28	5920.4				

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 25
PROYECTO :
EJE: 57: V₀ de servicio Dch. P.K. 113+500

* * * RESUMEN DE VOLUMENES TOTALES * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	6.259	0.00	0.0	SUELO EST2	3.617	0.00	0.0
	SUELO EST1	3.442	0.00	0.0	TERRAPLEN	2.424	0.00	0.0
	EXCAVA SANE0	5.767	0.00	0.0	TERRAP SANE0	5.767	0.00	0.0
	VEGETAL	2.957	0.00	0.0				
10.000	FIRME	6.224	62.41	62.4	D TIERRA	4.982	24.81	24.8
	SUELO EST2	3.088	33.53	33.5	SUELO EST1	3.213	33.29	33.3
	TERRAPLEN	0.021	12.13	12.1	EXCAVA SANE0	0.078	29.22	29.2
	TERRAP SANE0	0.078	29.22	29.2	VEGETAL	2.619	27.88	27.9
20.000	FIRME	6.184	62.02	124.4	D TIERRA	5.837	53.86	78.7
	SUELO EST2	3.056	30.76	64.3	SUELO EST1	3.180	32.01	65.3
	TERRAPLEN	0.021	0.22	12.3	EXCAVA SANE0	0.078	0.82	30.0
	TERRAP SANE0	0.078	0.82	30.0	VEGETAL	2.590	26.08	54.0
30.000	FIRME	6.194	61.85	186.3	D TIERRA	3.532	46.44	125.1
	SUELO EST2	3.239	31.55	95.8	SUELO EST1	3.254	32.22	97.5
	TERRAPLEN	0.021	0.22	12.6	EXCAVA SANE0	0.117	1.03	31.1
	TERRAP SANE0	0.117	1.03	31.1	VEGETAL	2.681	26.40	80.4
40.000	FIRME	6.291	62.33	248.6	D TIERRA	4.957	41.79	166.9
	SUELO EST2	3.239	32.49	128.3	SUELO EST1	3.250	32.57	130.1
	TERRAPLEN	0.041	0.32	12.9	EXCAVA SANE0	5.405	27.64	58.7
	TERRAP SANE0	5.405	27.64	58.7	VEGETAL	2.772	27.29	107.7
50.000	FIRME	6.697	64.70	313.3	D TIERRA	8.222	64.87	231.8
	SUELO EST2	3.309	32.77	161.1	SUELO EST1	3.405	33.28	163.4
	TERRAPLEN	0.036	0.39	13.3	EXCAVA SANE0	5.648	55.16	113.9
	TERRAP SANE0	5.648	55.16	113.9	VEGETAL	2.908	28.34	136.0
60.000	FIRME	6.697	66.62	379.9	D TIERRA	7.855	79.14	310.9
	SUELO EST2	3.305	33.03	194.1	SUELO EST1	3.404	34.00	197.4
	TERRAPLEN	0.037	0.36	13.6	EXCAVA SANE0	5.641	56.22	170.1
	TERRAP SANE0	5.641	56.22	170.1	VEGETAL	2.903	28.93	164.9
70.000	FIRME	6.297	64.73	444.7	D TIERRA	3.920	57.78	368.7
	SUELO EST2	3.280	32.96	227.1	SUELO EST1	3.253	33.28	230.7
	TERRAPLEN	0.990	5.30	18.9	EXCAVA SANE0	5.504	55.64	225.7
	TERRAP SANE0	5.504	55.64	225.7	VEGETAL	2.822	28.58	193.5
80.000	FIRME	6.120	62.00	506.7	D TIERRA	2.908	33.30	402.0
	SUELO EST2	3.231	32.68	259.8	SUELO EST1	3.205	32.35	263.0
	TERRAPLEN	0.706	8.78	27.7	EXCAVA SANE0	1.993	37.87	263.6
	TERRAP SANE0	1.993	37.87	263.6	VEGETAL	2.694	27.65	221.1

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 1
PROYECTO :
EJE: 75: V₀ de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	6.259	0.00	0.0	SUELO EST2	3.617	0.00	0.0
	SUELO EST1	3.442	0.00	0.0	TERRAPLEN	2.424	0.00	0.0
	EXCAVA SANE0	5.767	0.00	0.0	TERRAP SANE0	5.767	0.00	0.0
	VEGETAL	2.957	0.00	0.0				
10.000	FIRME	6.224	62.41	62.4	D TIERRA	4.982	24.81	24.8
	SUELO EST2	3.088	33.53	33.5	SUELO EST1	3.213	33.29	33.3
	TERRAPLEN	0.021	12.13	12.1	EXCAVA SANE0	0.078	29.22	29.2
	TERRAP SANE0	0.078	29.22	29.2	VEGETAL	2.619	27.88	27.9
20.000	FIRME	6.184	62.02	124.4	D TIERRA	5.837	53.86	78.7
	SUELO EST2	3.056	30.76	64.3	SUELO EST1	3.180	32.01	65.3
	TERRAPLEN	0.021	0.22	12.3	EXCAVA SANE0	0.078	0.82	30.0
	TERRAP SANE0	0.078	0.82	30.0	VEGETAL	2.590	26.08	54.0
30.000	FIRME	6.194	61.85	186.3	D TIERRA	3.532	46.44	125.1
	SUELO EST2	3.239	31.55	95.8	SUELO EST1	3.254	32.22	97.5
	TERRAPLEN	0.021	0.22	12.6	EXCAVA SANE0	0.117	1.03	31.1
	TERRAP SANE0	0.117	1.03	31.1	VEGETAL	2.681	26.40	80.4
40.000	FIRME	6.291	62.33	248.6	D TIERRA	4.957	41.79	166.9
	SUELO EST2	3.239	32.49	128.3	SUELO EST1	3.250	32.57	130.1
	TERRAPLEN	0.041	0.32	12.9	EXCAVA SANE0	5.405	27.64	58.7
	TERRAP SANE0	5.405	27.64	58.7	VEGETAL	2.772	27.29	107.7
50.000	FIRME	6.697	64.70	313.3	D TIERRA	8.222	64.87	231.8
	SUELO EST2	3.309	32.77	161.1	SUELO EST1	3.405	33.28	163.4
	TERRAPLEN	0.036	0.39	13.3	EXCAVA SANE0	5.648	55.16	113.9
	TERRAP SANE0	5.648	55.16	113.9	VEGETAL	2.908	28.34	136.0
60.000	FIRME	6.697	66.62	379.9	D TIERRA	7.855	79.14	310.9
	SUELO EST2	3.305	33.03	194.1	SUELO EST1	3.404	34.00	197.4
	TERRAPLEN	0.037	0.36	13.6	EXCAVA SANE0	5.641	56.22	170.1
	TERRAP SANE0	5.641	56.22	170.1	VEGETAL	2.903	28.93	164.9
70.000	FIRME	6.297	64.73	444.7	D TIERRA	3.920	57.78	368.7
	SUELO EST2	3.280	32.96	227.1	SUELO EST1	3.253	33.28	230.7
	TERRAPLEN	0.990	5.30	18.9	EXCAVA SANE0	5.504	55.64	225.7
	TERRAP SANE0	5.504	55.64	225.7	VEGETAL	2.822	28.58	193.5
80.000	FIRME	6.120	62.00	506.7	D TIERRA	2.908	33.30	402.0
	SUELO EST2	3.231	32.68	259.8	SUELO EST1	3.205	32.35	263.0
	TERRAPLEN	0.706	8.78	27.7	EXCAVA SANE0	1.993	37.87	263.6
	TERRAP SANE0	1.993	37.87	263.6	VEGETAL	2.694	27.65	221.1

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 2
PROYECTO :
EJE: 75: V₀ de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	6.137	61.23	567.9	D TIERRA	2.871	28.23	430.2
	SUELO EST2	3.243	32.50	292.3	SUELO EST1	3.217	32.18	295.2
	TERRAPLEN	0.299	5.23	32.9	EXCAVA SANE0	1.145	16.30	279.9
	TERRAP SANE0	1.145	16.30	279.9	VEGETAL	2.701	27.07	248.2
100.000	FIRME	6.232	61.76	629.7	D TIERRA	3.615	31.73	462.0
	SUELO EST2	3.245	32.57	324.9	SUELO EST1	3.219	32.24	327.4
	TERRAPLEN	0.539	4.38	37.3	EXCAVA SANE0	5.472	33.40	313.3
	TERRAP SANE0	5.472	33.40	313.3	VEGETAL	2.806	27.62	275.8
110.000	FIRME	6.208	62.11	691.8	D TIERRA	3.836	36.52	498.5
	SUELO EST2	3.225	32.48	357.3	SUELO EST1	3.207	32.19	359.6
	TERRAPLEN	0.361	4.68	42.0	EXCAVA SANE0	5.362	54.27	367.6
	TERRAP SANE0	5.362	54.27	367.6	VEGETAL	2.750	27.83	303.7
120.000	FIRME	6.114	61.56	753.3	D TIERRA	3.933	38.33	536.8
	SUELO EST2	3.182	32.13	389.5	SUELO EST1	3.206	32.11	391.7
	TERRAPLEN	0.021	1.96	44.0	EXCAVA SANE0	0.078	27.25	394.8
	TERRAP SANE0	0.078	27.25	394.8	VEGETAL	2.638	26.98	330.6
130.000	FIRME	6.119	61.14	814.5	D TIERRA	4.160	40.21	577.0
	SUELO EST2	3.059	31.25	420.7	SUELO EST1	3.179	31.95	423.7
	TERRAPLEN	0.022	0.22	44.2	EXCAVA SANE0	0.081	0.82	395.6

140.000	TERRAP SANE0	0.081	0.82	395.6	VEGETAL	2.586	26.15	356.8
	FIRME	6.106	61.11	875.6	D TIERRA	3.266	37.01	614.0
	SUELO EST2	3.149	31.06	451.8	SUELO EST1	3.241	32.11	455.8
	TERRAPLEN	0.026	0.24	44.4	EXCAVA SANE0	5.140	26.13	421.8
	TERRAP SANE0	5.140	26.13	421.8	VEGETAL	2.638	26.13	382.9
150.000	FIRME	6.071	60.88	936.4	D TIERRA	2.503	28.79	642.8
	SUELO EST2	3.199	31.75	483.5	SUELO EST1	3.293	32.67	488.5
	TERRAPLEN	0.041	0.34	44.8	EXCAVA SANE0	5.201	51.71	473.5
	TERRAP SANE0	5.201	51.71	473.5	VEGETAL	2.667	26.53	409.4
160.000	FIRME	6.033	60.52	997.0	D TIERRA	1.495	19.99	662.8
	SUELO EST2	3.318	32.59	516.1	SUELO EST1	3.318	33.05	521.5
	TERRAPLEN	0.044	0.43	45.2	EXCAVA SANE0	5.302	52.51	526.0
	TERRAP SANE0	5.302	52.51	526.0	VEGETAL	2.719	26.93	436.4
170.000	FIRME	6.036	60.34	1057.3	D TIERRA	0.431	9.62	672.4
	SUELO EST2	3.379	33.49	549.6	SUELO EST1	3.319	33.18	554.7
	TERRAPLEN	0.638	3.42	48.6	EXCAVA SANE0	5.469	53.86	579.8
	TERRAP SANE0	5.469	53.86	579.8	VEGETAL	2.805	27.62	464.0

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 3
PROYECTO :
EJE: 75: V₀ de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
180.000	FIRME	6.036	60.36	1117.7	D TIERRA	0.016	2.23	674.7
	SUELO EST2	3.452	34.16	583.8	SUELO EST1	3.331	33.25	587.9
	TERRAPLEN	1.779	12.11	60.7	EXCAVA SANE0	5.634	55.52	635.4
	TERRAP SANE0	5.634	55.52	635.4	VEGETAL	2.889	28.47	492.5
190.000	FIRME	6.036	60.36	1178.0	D TIERRA	0.597	3.06	677.7
	SUELO EST2	3.333	33.93	617.7	SUELO EST1	3.295	33.13	621.1
	TERRAPLEN	1.792	17.89	78.6	EXCAVA SANE0	5.598	56.17	691.5
	TERRAP SANE0	5.598	56.17	691.5	VEGETAL	2.871	28.81	521.3
200.000	FIRME	6.036	60.36	1238.4	D TIERRA	0.818	7.07	684.8
	SUELO EST2	3.333	33.33	651.0	SUELO EST1	3.295	32.95	654.0
	TERRAPLEN	2.627	22.14	100.8	EXCAVA SANE0	5.699	56.50	748.0
	TERRAP SANE0	5.699	56.50	748.0	VEGETAL	2.923	28.98	550.3
210.000	FIRME	6.036	60.36	1298.7	D TIERRA	0.860	8.38	693.2
	SUELO EST2	3.336	33.35	684.4	SUELO EST1	3.298	32.96	687.0
	TERRAPLEN	1.208	19.22	120.0	EXCAVA SANE0	5.553	56.27	804.3
	TERRAP SANE0	5.553	56.27	804.3	VEGETAL	2.848	28.86	579.1
220.000	FIRME	6.036	60.36	1359.1	D TIERRA	0.672	7.65	700.8
	SUELO EST2	3.358	33.48	717.8	SUELO EST1	3.310	33.04	720.0
	TERRAPLEN	1.149	11.81	131.8	EXCAVA SANE0	5.535	55.45	859.8
	TERRAP SANE0	5.535	55.45	859.8	VEGETAL	2.839	28.44	607.6
230.000	FIRME	6.036	60.36	1419.4	D TIERRA	0.091	3.80	704.6
	SUELO EST2	3.423	33.91	751.7	SUELO EST1	3.330	33.20	753.2
	TERRAPLEN	2.146	16.51	148.3	EXCAVA SANE0	5.701	56.19	915.9
	TERRAP SANE0	5.701	56.19	915.9	VEGETAL	2.924	28.82	636.4
240.000	FIRME	6.036	60.36	1479.8	D TIERRA	0.000	0.45	705.1
	SUELO EST2	3.486	34.54	786.3	SUELO EST1	3.331	33.31	786.5
	TERRAPLEN	4.477	33.17	181.5	EXCAVA SANE0	5.991	58.47	974.4
	TERRAP SANE0	5.991	58.47	974.4	VEGETAL	3.073	29.99	666.4
250.000	FIRME	6.055	60.45	1540.3	SUELO EST2	3.517	35.01	821.3
	SUELO EST1	3.340	33.35	819.9	TERRAPLEN	5.005	47.50	229.0
	EXCAVA SANE0	6.033	60.14	1034.6	TERRAP SANE0	6.033	60.14	1034.6
	VEGETAL	3.094	30.84	697.2				
260.000	FIRME	6.086	60.69	1600.9	SUELO EST2	3.538	35.27	856.6
	SUELO EST1	3.356	33.47	853.4	TERRAPLEN	5.636	53.42	282.4
	EXCAVA SANE0	6.036	60.38	1094.9	TERRAP SANE0	6.036	60.38	1094.9
	VEGETAL	3.096	30.97	728.2				

340.000	SUELO EST2	3.215	32.31	1090.0	SUELO EST1	3.189	32.00	1082.6
	TERRAPLEN	8.000	91.28	791.6	EXCAVA SANE0	4.021	41.20	1470.0
	TERRAP SANE0	4.021	41.20	1470.0	VEGETAL	3.163	32.00	945.9
	FIRME	6.058	60.65	2089.4	D TIERRA	1.775	16.48	777.4
350.000	SUELO EST2	3.200	32.17	1122.1	SUELO EST1	3.174	31.86	1114.5
	TERRAPLEN	7.991	82.53	874.1	EXCAVA SANE0	3.934	40.79	1510.8
	TERRAP SANE0	3.934	40.79	1510.8	VEGETAL	3.201	32.12	978.0
	FIRME	6.088	60.69	2150.1	D TIERRA	1.945	18.19	795.6
	SUELO EST2	3.223	32.21	1154.3	SUELO EST1	3.196	31.89	1146.4
	TERRAPLEN	4.994	67.12	941.2	EXCAVA SANE0	3.449	37.90	1548.7
	TERRAP SANE0	3.449	37.90	1548.7	VEGETAL	3.103	31.80	1009.8

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V^{de} de servicio Dch. P.K. 116+500

pagina 5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	FIRME	6.057	60.69	2210.8	D TIERRA	2.087	19.73	815.3
	SUELO EST2	3.199	32.21	1186.6	SUELO EST1	3.173	31.89	1178.2
	TERRAPLEN	2.865	40.61	981.8	EXCAVA SANE0	3.148	33.85	1582.5
	TERRAP SANE0	3.148	33.85	1582.5	VEGETAL	2.992	30.70	1040.5
370.000	FIRME	6.176	61.12	2271.9	D TIERRA	2.526	22.64	837.9
	SUELO EST2	3.221	32.19	1218.7	SUELO EST1	3.193	31.87	1210.1
	TERRAPLEN	1.496	22.40	1004.2	EXCAVA SANE0	5.537	43.83	1626.4
	TERRAP SANE0	5.537	43.83	1626.4	VEGETAL	2.840	29.28	1069.8
380.000	FIRME	6.590	63.72	2335.6	D TIERRA	5.213	38.07	876.0
	SUELO EST2	3.410	33.20	1251.9	SUELO EST1	3.382	32.88	1243.0
	TERRAPLEN	1.867	17.13	1021.3	EXCAVA SANE0	2.531	40.59	1667.0
	TERRAP SANE0	2.531	40.59	1667.0	VEGETAL	3.069	29.55	1099.4
390.000	FIRME	6.552	65.59	2401.2	D TIERRA	7.840	64.51	940.5
	SUELO EST2	3.411	34.12	1286.1	SUELO EST1	3.383	33.81	1276.8
	TERRAPLEN	1.582	17.50	1038.8	EXCAVA SANE0	1.550	20.70	1687.7
	TERRAP SANE0	1.550	20.70	1687.7	VEGETAL	3.138	31.01	1130.4
400.000	FIRME	6.515	65.26	2466.5	D TIERRA	11.260	94.91	1035.4
	SUELO EST2	3.413	34.14	1320.2	SUELO EST1	3.385	33.83	1310.6
	TERRAPLEN	0.871	12.41	1051.3	EXCAVA SANE0	0.921	12.51	1700.2
	TERRAP SANE0	0.921	12.51	1700.2	VEGETAL	3.186	31.60	1162.0
410.000	FIRME	6.512	65.10	2531.6	D TIERRA	15.502	133.48	1168.9
	SUELO EST2	3.412	34.13	1354.3	SUELO EST1	3.381	33.82	1344.4
	TERRAPLEN	0.427	6.54	1057.8	EXCAVA SANE0	0.569	7.50	1707.7
	TERRAP SANE0	0.569	7.50	1707.7	VEGETAL	3.230	32.07	1194.0
420.000	FIRME	6.522	65.16	2596.7	D TIERRA	18.555	170.19	1339.1
	SUELO EST2	3.170	32.91	1387.2	SUELO EST1	3.293	33.37	1377.8
	TERRAPLEN	0.033	2.30	1060.1	EXCAVA SANE0	0.048	3.09	1710.8
	TERRAP SANE0	0.048	3.09	1710.8	VEGETAL	3.017	31.23	1225.3
430.000	FIRME	6.509	65.15	2661.9	D TIERRA	15.395	169.69	1508.8
	SUELO EST2	3.105	31.37	1418.6	SUELO EST1	3.228	32.61	1410.4
	TERRAPLEN	0.022	0.28	1060.4	EXCAVA SANE0	0.000	0.24	1711.0
	TERRAP SANE0	0.000	0.24	1711.0	VEGETAL	2.948	29.82	1255.1
440.000	FIRME	6.634	65.71	2727.6	D TIERRA	14.258	148.22	1657.0
	SUELO EST2	3.131	31.18	1449.8	SUELO EST1	3.255	32.41	1442.8
	TERRAPLEN	0.040	0.31	1060.7	VEGETAL	2.991	29.69	1284.8
450.000	FIRME	6.711	66.72	2794.3	D TIERRA	15.683	149.69	1806.7
	SUELO EST2	3.172	31.52	1481.3	SUELO EST1	3.296	32.75	1475.6
	TERRAPLEN	0.040	0.40	1061.1	VEGETAL	3.057	30.24	1315.0

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V^{de} de servicio Dch. P.K. 116+500

pagina 6

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
460.000	FIRME	6.547	66.29	2860.6	D TIERRA	10.817	132.54	1939.2
	SUELO EST2	3.208	31.90	1513.2	SUELO EST1	3.330	33.13	1508.7
	TERRAPLEN	0.040	0.40	1061.5	VEGETAL	2.954	30.06	1345.1
470.000	FIRME	6.691	66.19	2926.8	D TIERRA	19.903	153.65	2092.9
	SUELO EST2	3.163	31.85	1545.1	SUELO EST1	3.286	33.08	1541.8
	TERRAPLEN	0.037	0.39	1061.9	VEGETAL	3.114	30.34	1375.4
480.000	FIRME	6.558	66.25	2993.0	D TIERRA	18.084	189.99	2282.9
	SUELO EST2	3.084	31.24	1576.3	SUELO EST1	3.208	32.47	1574.3
	TERRAPLEN	0.039	0.38	1062.3	VEGETAL	3.011	30.63	1406.0
490.000	FIRME	6.558	65.59	3058.6	D TIERRA	16.995	175.45	2458.3
	SUELO EST2	3.084	30.84	1607.1	SUELO EST1	3.207	32.07	1606.3
	TERRAPLEN	0.039	0.39	1062.7	VEGETAL	3.000	30.06	1436.1
500.000	FIRME	6.616	65.88	3124.5	D TIERRA	16.146	165.76	2624.1
	SUELO EST2	3.121	31.03	1638.2	SUELO EST1	3.245	32.26	1638.6
	TERRAPLEN	0.040	0.40	1063.0	VEGETAL	3.025	30.13	1466.2
510.000	FIRME	6.729	66.73	3191.2	D TIERRA	16.712	164.34	2788.4
	SUELO EST2	3.182	31.52	1669.7	SUELO EST1	3.306	32.75	1671.4
	TERRAPLEN	0.040	0.40	1063.4	VEGETAL	3.091	30.58	1496.8
520.000	FIRME	6.545	66.38	3257.6	D TIERRA	12.091	144.07	2932.5
	SUELO EST2	3.176	31.79	1701.5	SUELO EST1	3.299	33.02	1704.4
	TERRAPLEN	0.036	0.38	1063.8	VEGETAL	2.947	30.19	1527.0
530.000	FIRME	6.103	63.24	3320.9	D TIERRA	2.427	72.62	3005.1
	SUELO EST2	3.157	31.66	1733.1	SUELO EST1	3.233	32.66	1737.0
	TERRAPLEN	0.025	0.30	1064.1	VEGETAL	2.637	27.92	1554.9
540.000	FIRME	6.085	60.94	3381.8	D TIERRA	3.532	29.80	3034.9
	SUELO EST2	3.059	31.08	1764.2	SUELO EST1	3.173	32.03	1769.1
	TERRAPLEN	0.021	0.23	1064.4	VEGETAL	2.580	26.08	1581.0
550.000	FIRME	6.052	60.68	3442.5	D TIERRA	4.842	41.88	3076.8
	SUELO EST2	3.028	30.43	1794.7	SUELO EST1	3.141	31.57	1800.6

560.000	TERRAPLEN	0.017	0.19	1064.5	VEGETAL	2.554	25.67	1606.7
	FIRME	6.066	60.59	3503.1	D TIERRA	2.712	37.77	3114.6
	SUELO EST2	3.190	31.09	1825.7	SUELO EST1	3.187	31.64	1832.3
	TERRAPLEN	0.039	0.28	1064.8	VEGETAL	2.643	25.98	1632.7
570.000	FIRME	6.086	60.76	3563.8	D TIERRA	2.174	24.43	3139.0
	SUELO EST2	3.198	31.94	1857.7	SUELO EST1	3.210	31.99	1864.3
	TERRAPLEN	0.021	0.30	1065.1	VEGETAL	2.650	26.46	1659.1

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V^{de} de servicio Dch. P.K. 116+500

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
580.000	FIRME	6.093	60.90	3624.7	D TIERRA	2.297	22.36	3161.4
	SUELO EST2	3.182	31.90	1889.6	SUELO EST1	3.220	32.15	1896.4
	TERRAPLEN	0.021	0.21	1065.3	VEGETAL	2.644	26.47	1685.6
590.000	FIRME	6.105	60.99	3685.7	D TIERRA	2.117	22.07	3183.4
	SUELO EST2	3.185	31.84	1921.4	SUELO EST1	3.242	32.31	1928.7
	TERRAPLEN	0.026	0.24	1065.6	VEGETAL	2.653	26.48	1712.1
600.000	FIRME	6.102	61.04	3746.8	D TIERRA	2.412	22.65	3206.1
	SUELO EST2	3.159	31.72	1953.1	SUELO EST1	3.233	32.37	1961.1
	TERRAPLEN	0.024	0.25	1065.8	VEGETAL	2.637	26.45	1738.5
610.000	FIRME	6.097	61.00	3807.8	D TIERRA	2.731	25.72	3231.8
	SUELO EST2	3.108	31.33	1984.5	SUELO EST1	3.209	32.21	1993.3
	TERRAPLEN	0.028	0.26	1066.1	VEGETAL	2.610	26.23	1764.8
620.000	FIRME	6.106	61.02	3868.8	D TIERRA	2.477	26.04	3257.8
	SUELO EST2	3.058	30.83	2015.3	SUELO EST1	3.180	31.95	2025.3
	TERRAPLEN	0.039	0.34	1066.4	VEGETAL	2.591	26.00	1790.8
630.000	FIRME	6.089	60.98	3929.8	D TIERRA	2.102	22.89	3280.7
	SUELO EST2	2.993	30.26	2045.6	SUELO EST1	3.116	31.48	2056.7
	TERRAPLEN	0.016	0.27	1066.7	VEGETAL	2.545	25.68	1816.4
640.000	FIRME	6.027	60.58	3990.3	D TIERRA	1.816	19.59	3300.3
	SUELO EST2	2.949	29.71	2075.3	SUELO EST1	3.072	30.94	2087.7
	TERRAPLEN	0.023	0.19	1066.9	VEGETAL	2.510	25.28	1841.7
650.000	FIRME	6.035	60.31	4050.6	D TIERRA	2.380	20.98	3321.3
	SUELO EST2	2.963	29.56	2104.8	SUELO EST1	3.087	30.79	2118.5
	TERRAPLEN	0.021	0.22	1067.1	VEGETAL	2.518	25.14	1866.9
660.000	FIRME	6.073	60.54	4111.2	D TIERRA	5.795	40.87	3362.2
	SUELO EST2	2.875	29.19	2134.0	SUELO EST1	2.998	30.42	2148.9
	TERRAPLEN	0.021	0.21	1067.3	VEGETAL	2.520	25.19	1892.0
670.000	FIRME	6.089	60.81	4172.0	D TIERRA	7.969	68.82	3431.0
	SUELO EST2	2.875	28.75	2162.8	SUELO EST1	2.999	29.98	2178.9
	TERRAPLEN	0.020	0.20	1067.5	VEGETAL	2.532	25.26	1917.3
680.000	FIRME	6.212	61.51	4233.5	D TIERRA	7.765	78.67	3509.7
	SUELO EST2	2.916	28.95	2191.7	SUELO EST1	3.039	30.19	2209.1
	TERRAPLEN	0.039	0.30	1067.8	VEGETAL	2.636	25.84	1943.1
690.000	FIRME	5.940	60.76	4294.3	D TIERRA	6.618	71.91	3581.6
	SUELO EST2	2.821	28.68	2220.4	SUELO EST1	2.944	29.91	2239.0
	TERRAPLEN	0.001	0.20	1068.0	VEGETAL	2.408	25.22	1968.4

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V^{de} de servicio Dch. P.K. 116+500

pagina 8

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

700.000	FIRME	6.053	59.96	4354.2	D TIERRA	6.455	65.36	3646.9	
	SUELO EST2	2.856	28.38	2248.8	SUELO EST1	2.980	29.62	2268.6	
	TERRAPLEN	0.021	0.11	1068.1	VEGETAL	2.503	24.56	1992.9	
710.000	FIRME	5.992	60.22	4414.4	D TIERRA	6.006	62.30	3709.2	
	SUELO EST2	2.863	28.60	2277.4	SUELO EST1	2.986	29.83	2298.4	
	TERRAPLEN	0.001	0.11	1068.2	VEGETAL	2.442	24.73	2017.7	
720.000	FIRME	6.076	60.34	4474.8	D TIERRA	6.637	63.21	3772.4	
	SUELO EST2	2.875	28.69	2306.1	SUELO EST1	2.998	29.92	2328.4	
	TERRAPLEN	0.021	0.11	1068.4	VEGETAL	2.521	24.82	2042.5	
730.000	FIRME	6.029	60.53	4535.3	D TIERRA	5.433	60.35	3832.8	
	SUELO EST2	2.899	28.87	2334.9	SUELO EST1	3.022	30.10	2358.5	
	TERRAPLEN	0.002	0.11	1068.5	VEGETAL	2.471	24.96	2067.4	
740.000	FIRME	6.045	60.37	4595.7	D TIERRA	5.153	52.93	3885.7	
	SUELO EST2	2.918	29.08	2364.0	SUELO EST1	3.041	30.31	2388.8	
	TERRAPLEN	0.002	0.02	1068.5	VEGETAL	2.485	24.78	2092.2	
750.000	FIRME	6.052	60.48	4656.2	D TIERRA	5.071	51.12	3936.8	
	SUELO EST2	2.925	29.21	2393.2	SUELO EST1	3.048	30.44	2419.2	
	TERRAPLEN	0.002	0.02	1068.5	VEGETAL	2.492	24.88	2117.1	
760.000	FIRME	6.053	60.52	4716.7	D TIERRA	5.132	51.01	3987.9	
	SUELO EST2	2.927	29.26	2422.5	SUELO EST1	3.051	30.50	2449.7	
	TERRAPLEN	0.002	0.02	1068.5	VEGETAL	2.493	24.92	2142.0	
770.000	FIRME	6.090	60.71	4777.4	D TIERRA	1.696	34.14	4022.0	
	SUELO EST2	3.122	30.25	2452.7	SUELO EST1	3.207	31.29	2481.0	
	TERRAPLEN	0.551	2.77	1071.3	VEGETAL	2.613	25.53	2167.5	
780.000	FIRME	6.091	60.90	4838.3	D TIERRA	1.698	16.97	4039.0	
	SUELO EST2	3.124	31.23	2484.0	SUELO EST1	3.208	32.08	2513.1	
	TERRAPLEN	0.323	4.37	1075.7	VEGETAL	2.615	26.14	2193.7	
790.000	FIRME	6.080	60.85	4899.2	D TIERRA	1.921	18.09	4057.1	
	SUELO EST2	3.093	31.09	2515.1	SUELO EST1	3.189	31.99	2545.1	
	TERRAPLEN	0.073	1.98	1077.6	VEGETAL	2.595	26.05	2219.7	
800.000	FIRME	6.067	60.74	4959.9	D TIERRA	2.927	24.24	4081.3	
	SUELO EST2	3.055	30.74	2545.8	SUELO EST1	3.164	31.76	2576.8	
	TERRAPLEN	0.021	0.47	1078.1	VEGETAL	2.572	25.84	2245.6	
810.000	FIRME	6.061	60.64	5020.5	D TIERRA	3.104	30.16	4111.5	
	SUELO EST2	2.993	30.24	2576.1	SUELO EST1	3.115	31.40	2608.2	

TERRAPLEN	0.029	0.25	1078.4	EXCAVA SANE0	3.715	18.57	1729.6
TERRAP SANE0	3.715	18.57	1729.6	VEGETAL	2.540	25.56	2271.1

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 9

PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.		

820.000	FIRME	6.064	60.63	5081.2	D TIERRA	3.347	32.25	4143.7		
	SUELO EST2	2.979	29.86	2605.9	SUELO EST1	3.102	31.09	2639.3		
	TERRAPLEN	0.024	0.26	1078.6	EXCAVA SANE0	3.592	36.53	1766.1		
	TERRAP SANE0	3.592	36.53	1766.1	VEGETAL	2.535	25.37	2296.5		
830.000	FIRME	6.077	60.70	5141.9	D TIERRA	3.539	34.43	4178.1		
	SUELO EST2	2.974	29.77	2635.7	SUELO EST1	3.097	30.99	2670.3		
	TERRAPLEN	0.011	0.17	1078.8	EXCAVA SANE0	0.061	18.26	1784.4		
	TERRAP SANE0	0.061	18.26	1784.4	VEGETAL	2.529	25.32	2321.8		
840.000	FIRME	6.079	60.78	5202.6	D TIERRA	3.769	36.54	4214.7		
	SUELO EST2	2.965	29.70	2665.4	SUELO EST1	3.088	30.93	2701.2		
	TERRAPLEN	0.005	0.08	1078.9	EXCAVA SANE0	5.666	28.64	1813.0		
	TERRAP SANE0	5.666	28.64	1813.0	VEGETAL	2.522	25.26	2347.1		
850.000	FIRME	6.039	60.59	5263.2	D TIERRA	5.125	44.47	4259.1		
	SUELO EST2	2.910	29.38	2694.7	SUELO EST1	3.033	30.61	2731.8		
	TERRAPLEN	0.002	0.03	1078.9	EXCAVA SANE0	0.000	28.33	1841.3		
	TERRAP SANE0	0.000	28.33	1841.3	VEGETAL	2.479	25.01	2372.1		
860.000	FIRME	5.970	60.05	5323.3	D TIERRA	6.295	57.10	4316.2		
	SUELO EST2	2.845	28.78	2723.5	SUELO EST1	2.969	30.01	2761.9		
	TERRAPLEN	0.001	0.02	1078.9	VEGETAL	2.428	24.53	2396.6		
870.000	FIRME	6.192	60.81	5384.1	D TIERRA	7.744	70.19	4386.4		
	SUELO EST2	2.901	28.73	2752.3	SUELO EST1	3.025	29.97	2791.8		
	TERRAPLEN	0.040	0.20	1079.1	EXCAVA SANE0	5.894	29.47	1870.8		
	TERRAP SANE0	5.894	29.47	1870.8	VEGETAL	2.621	25.24	2421.9		
880.000	FIRME	6.071	61.32	5445.4	D TIERRA	6.058	69.01	4455.4		
	SUELO EST2	2.872	28.87	2781.1	SUELO EST1	2.995	30.10	2821.9		
	TERRAPLEN	0.020	0.30	1079.4	EXCAVA SANE0	0.085	29.89	1900.7		
	TERRAP SANE0	0.085	29.89	1900.7	VEGETAL	2.517	25.69	2447.6		
890.000	FIRME	6.009	60.40	5505.8	D TIERRA	5.085	55.71	4511.2		
	SUELO EST2	2.891	28.81	2809.9	SUELO EST1	3.014	30.04	2852.0		
	TERRAPLEN	0.002	0.11	1079.6	EXCAVA SANE0	0.020	0.53	1901.2		
	TERRAP SANE0	0.020	0.53	1901.2	VEGETAL	2.463	24.90	2472.5		
900.000	FIRME	6.036	60.22	5566.0	D TIERRA	4.742	49.13	4560.3		
	SUELO EST2	2.928	29.09	2839.0	SUELO EST1	3.052	30.33	2882.3		
	TERRAPLEN	0.008	0.05	1079.6	EXCAVA SANE0	0.051	0.36	1901.6		
	TERRAP SANE0	0.051	0.36	1901.6	VEGETAL	2.493	24.78	2497.2		

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 10

PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.		

910.000	FIRME	6.042	60.39	5626.4	D TIERRA	4.700	47.21	4607.5		
	SUELO EST2	2.917	29.22	2868.3	SUELO EST1	3.041	30.46	2912.7		
	TERRAPLEN	0.002	0.05	1079.7	EXCAVA SANE0	0.018	0.35	1901.9		
	TERRAP SANE0	0.018	0.35	1901.9	VEGETAL	2.484	24.89	2522.1		
920.000	FIRME	6.020	60.31	5686.7	D TIERRA	5.878	52.89	4660.4		
	SUELO EST2	2.891	29.04	2897.3	SUELO EST1	3.015	30.28	2943.0		
	TERRAPLEN	0.002	0.02	1079.7	EXCAVA SANE0	0.000	0.09	1902.0		
	TERRAP SANE0	0.000	0.09	1902.0	VEGETAL	2.464	24.74	2546.9		
930.000	FIRME	6.077	60.49	5747.2	D TIERRA	4.640	52.59	4713.0		
	SUELO EST2	2.961	29.26	2926.6	SUELO EST1	3.084	30.49	2973.5		
	TERRAPLEN	0.004	0.03	1079.7	EXCAVA SANE0	5.659	28.30	1930.3		
	TERRAP SANE0	5.659	28.30	1930.3	VEGETAL	2.519	24.92	2571.8		
940.000	FIRME	6.096	60.87	5808.1	D TIERRA	4.054	43.47	4756.4		
	SUELO EST2	2.999	29.80	2956.4	SUELO EST1	3.122	31.03	3004.6		
	TERRAPLEN	0.012	0.08	1079.8	EXCAVA SANE0	5.727	56.93	1987.3		
	TERRAP SANE0	5.727	56.93	1987.3	VEGETAL	2.549	25.34	2597.1		
950.000	FIRME	6.104	61.00	5869.1	D TIERRA	3.475	37.64	4794.1		
	SUELO EST2	3.026	30.13	2986.5	SUELO EST1	3.149	31.35	3035.9		
	TERRAPLEN	0.022	0.17	1080.0	EXCAVA SANE0	5.776	57.52	2044.8		
	TERRAP SANE0	5.776	57.52	2044.8	VEGETAL	2.571	25.60	2622.7		
960.000	FIRME	6.113	61.08	5930.2	D TIERRA	2.865	31.70	4825.8		
	SUELO EST2	3.086	30.56	3017.0	SUELO EST1	3.208	31.78	3067.7		
	TERRAPLEN	0.036	0.29	1080.2	EXCAVA SANE0	5.874	58.25	2103.0		
	TERRAP SANE0	5.874	58.25	2103.0	VEGETAL	2.613	25.92	2648.7		
970.000	FIRME	6.114	61.13	5991.3	D TIERRA	1.982	24.23	4850.0		
	SUELO EST2	3.126	31.06	3048.1	SUELO EST1	3.241	32.25	3099.9		
	TERRAPLEN	0.487	2.62	1082.9	EXCAVA SANE0	5.928	59.01	2162.0		
	TERRAP SANE0	5.928	59.01	2162.0	VEGETAL	2.635	26.24	2674.9		
980.000	FIRME	6.114	61.14	6052.4	D TIERRA	1.668	18.25	4868.3		
	SUELO EST2	3.169	31.48	3079.6	SUELO EST1	3.274	32.58	3132.5		
	TERRAPLEN	0.631	5.59	1088.4	EXCAVA SANE0	5.975	59.52	2221.6		
	TERRAP SANE0	5.975	59.52	2221.6	VEGETAL	2.656	26.46	2701.3		
990.000	FIRME	6.114	61.14	6113.6	D TIERRA	1.372	15.20	4883.5		
	SUELO EST2	3.209	31.89	3111.5	SUELO EST1	3.294	32.84	3165.4		
	TERRAPLEN	0.667	6.49	1094.9	EXCAVA SANE0	6.018	59.97	2281.5		
	TERRAP SANE0	6.018	59.97	2281.5	VEGETAL	2.675	26.66	2728.0		

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 11

PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
***** cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1180.000	FIRME	6.109		61.07	7270.3	D TIERRA	3.206		31.00	5499.1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1000.000	FIRME	6.114		61.14	6174.7	D TIERRA	1.557		14.64	4898.1
	SUELO EST2	3.201		32.05	3143.5	SUELO EST1	3.289		32.91	3198.3
	TERRAPLEN	0.550		6.09	1101.0	EXCAVA SANE0	6.011		60.15	2341.7
	TERRAP SANE0	6.011		60.15	2341.7	VEGETAL	2.671		26.73	2754.7
1010.000	FIRME	6.112		61.13	6235.8	D TIERRA	2.478		20.18	4918.3
	SUELO EST2	3.143		31.72	3175.2	SUELO EST1	3.245		32.67	3230.9
	TERRAPLEN	0.034		2.92	1103.9	EXCAVA SANE0	5.932		59.72	2401.4
	TERRAP SANE0	5.932		59.72	2401.4	VEGETAL	2.639		26.55	2781.3
1020.000	FIRME	6.100		61.06	6296.9	D TIERRA	3.095		27.86	4946.1
	SUELO EST2	3.076		31.09	3206.3	SUELO EST1	3.192		32.19	3263.1
	TERRAPLEN	0.024		0.29	1104.2	EXCAVA SANE0	5.836		58.84	2460.2
	TERRAP SANE0	5.836		58.84	2460.2	VEGETAL	2.596		26.17	2807.5
1030.000	FIRME	6.113		61.06	6358.0	D TIERRA	2.380		27.37	4973.5
	SUELO EST2	3.083		30.79	3237.1	SUELO EST1	3.205		31.99	3295.1
	TERRAPLEN	0.579		3.02	1107.2	EXCAVA SANE0	5.869		58.53	2518.7
	TERRAP SANE0	5.869		58.53	2518.7	VEGETAL	2.611		26.03	2833.5
1040.000	FIRME	6.103		61.08	6419.0	D TIERRA	2.871		26.26	4999.8
	SUELO EST2	3.031		30.57	3267.7	SUELO EST1	3.155		31.80	3326.9
	TERRAPLEN	0.369		4.74	1112.0	EXCAVA SANE0	5.790		58.30	2577.0
	TERRAP SANE0	5.790		58.30	2577.0	VEGETAL	2.576		25.93	2859.4
1050.000	FIRME	6.090		60.97	6480.0	D TIERRA	3.321		30.96	5030.7
	SUELO EST2	2.991		30.11	3297.8	SUELO EST1	3.114		31.34	3358.2
	TERRAPLEN	0.215		2.92	1114.9	EXCAVA SANE0	5.713		57.51	2634.6
	TERRAP SANE0	5.713		57.51	2634.6	VEGETAL	2.543		25.60	2885.0
1060.000	FIRME	6.067		60.79	6540.8	D TIERRA	3.832		35.76	5066.5
	SUELO EST2	2.949		29.70	3327.5	SUELO EST1	3.073		30.93	3389.2
	TERRAPLEN	0.158		1.86	1116.8	EXCAVA SANE0	3.495		46.04	2680.6
	TERRAP SANE0	3.495		46.04	2680.6	VEGETAL	2.510		25.27	2910.3
1070.000	FIRME	6.047		60.57	6601.4	D TIERRA	4.219		40.25	5106.8
	SUELO EST2	2.921		29.35	3356.8	SUELO EST1	3.044		30.58	3419.8
	TERRAPLEN	0.128		1.43	1118.2	EXCAVA SANE0	3.503		34.99	2715.6
	TERRAP SANE0	3.503		34.99	2715.6	VEGETAL	2.487		24.99	2935.3
10										

1190.000	SUELO EST2	3.111	31.01	3688.1	SUELO EST1	3.223	32.14	3764.2
	TERRAPLEN	0.053	0.45	1126.5	EXCAVA SANE0	5.890	58.75	3230.7
	TERRAP SANE0	5.890	58.75	3230.7	VEGETAL	2.620	26.13	3216.1
	FIRME	6.114	61.11	7331.4	D TIERRA	3.514	33.60	5532.7
1200.000	SUELO EST2	3.152	31.31	3719.4	SUELO EST1	3.266	32.45	3796.7
	TERRAPLEN	0.035	0.44	1126.9	EXCAVA SANE0	5.957	59.23	3290.0
	TERRAP SANE0	5.957	59.23	3290.0	VEGETAL	2.647	26.34	3242.4
	FIRME	6.112	61.13	7392.5	D TIERRA	3.907	37.11	5569.8
1210.000	SUELO EST2	3.167	31.59	3751.0	SUELO EST1	3.257	32.62	3829.3
	TERRAPLEN	0.030	0.33	1127.3	EXCAVA SANE0	5.961	59.59	3349.6
	TERRAP SANE0	5.961	59.59	3349.6	VEGETAL	2.652	26.49	3268.9
	FIRME	6.547	63.29	7455.8	D TIERRA	7.408	56.58	5626.4
1220.000	SUELO EST2	3.363	32.65	3783.6	SUELO EST1	3.394	33.25	3862.5
	TERRAPLEN	0.037	0.34	1127.6	EXCAVA SANE0	0.071	30.16	3379.7
	TERRAP SANE0	0.071	30.16	3379.7	VEGETAL	3.030	28.41	3297.3
	FIRME	6.547	65.47	7521.2	D TIERRA	8.141	77.75	5704.1
1230.000	SUELO EST2	3.423	33.93	3817.6	SUELO EST1	3.394	33.94	3896.5
	TERRAPLEN	0.056	0.47	1128.1	EXCAVA SANE0	0.217	1.44	3381.2
	TERRAP SANE0	0.217	1.44	3381.2	VEGETAL	3.093	30.61	3327.9
	FIRME	6.546	65.46	7586.7	D TIERRA	6.264	72.03	5776.2
1240.000	SUELO EST2	3.429	34.26	3851.8	SUELO EST1	3.394	33.94	3930.4
	TERRAPLEN	0.329	1.93	1130.0	EXCAVA SANE0	6.927	35.72	3416.9
	TERRAP SANE0	6.927	35.72	3416.9	VEGETAL	3.100	30.96	3358.9
	FIRME	6.546	65.46	7652.2	D TIERRA	6.092	61.78	5838.0
1250.000	SUELO EST2	3.429	34.29	3886.1	SUELO EST1	3.394	33.94	3964.3
	TERRAPLEN	0.103	2.16	1132.2	EXCAVA SANE0	6.734	68.30	3485.2
	TERRAP SANE0	6.734	68.30	3485.2	VEGETAL	3.012	30.56	3389.5
	FIRME	6.547	65.46	7717.6	D TIERRA	6.721	64.06	5902.0
1260.000	SUELO EST2	3.428	34.29	3920.4	SUELO EST1	3.394	33.94	3998.3
	TERRAPLEN	0.135	1.19	1133.4	EXCAVA SANE0	0.347	35.40	3520.6
	TERRAP SANE0	0.347	35.40	3520.6	VEGETAL	3.059	30.36	3419.8
	FIRME	6.547	65.47	7783.1	D TIERRA	7.328	70.25	5972.3
	SUELO EST2	3.428	34.28	3954.7	SUELO EST1	3.394	33.94	4032.2
	TERRAPLEN	0.271	2.03	1135.4	EXCAVA SANE0	0.563	4.55	3525.1
	TERRAP SANE0	0.563	4.55	3525.1	VEGETAL	3.144	31.02	3450.8

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V微 de servicio Dch. P.K. 116+500

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1270.000	FIRME	6.546	65.46	7848.6	D TIERRA	7.645	74.87	6047.1
	SUELO EST2	3.429	34.29	3989.0	SUELO EST1	3.393	33.94	4066.2
	TERRAPLEN	0.403	3.37	1138.7	EXCAVA SANE0	0.742	6.53	3531.7
	TERRAP SANE0	0.742	6.53	3531.7	VEGETAL	3.225	31.85	3482.7
1280.000	FIRME	6.546	65.46	7914.0	D TIERRA	8.196	79.21	6126.3
	SUELO EST2	3.429	34.29	4023.2	SUELO EST1	3.394	33.94	4100.1
	TERRAPLEN	0.640	5.21	1144.0	EXCAVA SANE0	0.975	8.59	3540.2
	TERRAP SANE0	0.975	8.59	3540.2	VEGETAL	3.269	32.47	3515.1
1290.000	FIRME	6.546	65.46	7979.5	D TIERRA	8.179	81.88	6208.2
	SUELO EST2	3.428	34.29	4057.5	SUELO EST1	3.394	33.94	4134.0
	TERRAPLEN	0.844	7.42	1151.4	EXCAVA SANE0	1.151	10.63	3550.9
	TERRAP SANE0	1.151	10.63	3550.9	VEGETAL	3.319	32.94	3548.1
1300.000	FIRME	6.547	65.46	8045.0	D TIERRA	8.423	83.01	6291.2
	SUELO EST2	3.428	34.28	4091.8	SUELO EST1	3.394	33.94	4168.0
	TERRAPLEN	0.871	8.58	1160.0	EXCAVA SANE0	7.420	42.86	3593.7
	TERRAP SANE0	7.420	42.86	3593.7	VEGETAL	3.318	33.18	3581.3
1310.000	FIRME	6.547	65.47	8110.4	D TIERRA	9.219	88.21	6379.4
	SUELO EST2	3.428	34.28	4126.1	SUELO EST1	3.394	33.94	4201.9
	TERRAPLEN	1.344	11.07	1171.0	EXCAVA SANE0	7.520	74.70	3668.4
	TERRAP SANE0	7.520	74.70	3668.4	VEGETAL	3.359	33.39	3614.7
1320.000	FIRME	6.546	65.46	8175.9	D TIERRA	9.407	93.13	6472.6
	SUELO EST2	3.429	34.29	4160.4	SUELO EST1	3.393	33.94	4235.9
	TERRAPLEN	1.617	14.80	1185.8	EXCAVA SANE0	7.559	75.39	3743.8
	TERRAP SANE0	7.559	75.39	3743.8	VEGETAL	3.372	33.66	3648.3
1330.000	FIRME	6.546	65.46	8241.4	D TIERRA	9.324	93.65	6566.2
	SUELO EST2	3.429	34.29	4194.7	SUELO EST1	3.394	33.94	4269.8
	TERRAPLEN	1.770	16.93	1202.8	EXCAVA SANE0	7.564	75.61	3819.4
	TERRAP SANE0	7.564	75.61	3819.4	VEGETAL	3.370	33.71	3682.0
1340.000	FIRME	6.546	65.46	8306.8	D TIERRA	9.267	92.95	6659.2
	SUELO EST2	3.428	34.29	4229.0	SUELO EST1	3.394	33.94	4303.7
	TERRAPLEN	1.741	17.55	1220.3	EXCAVA SANE0	7.559	75.61	3895.1
	TERRAP SANE0	7.559	75.61	3895.1	VEGETAL	3.364	33.67	3715.7
1350.000	FIRME	6.547	65.46	8372.3	D TIERRA	9.238	92.52	6751.7
	SUELO EST2	3.428	34.28	4263.2	SUELO EST1	3.394	33.94	4337.7
	TERRAPLEN	1.559	16.50	1236.8	EXCAVA SANE0	7.544	75.51	3970.6
	TERRAP SANE0	7.544	75.51	3970.6	VEGETAL	3.355	33.59	3749.3

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V微 de servicio Dch. P.K. 116+500

pagina 15

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1360.000	FIRME	6.281	64.14	8436.4	D TIERRA	8.483	88.61	6840.3
	SUELO EST2	3.302	33.65	4296.9	SUELO EST1	3.267	33.31	4371.0
	TERRAPLEN	1.581	15.70	1252.5	EXCAVA SANE0	7.301	74.22	4044.8
	TERRAP SANE0	7.301	74.22	4044.8	VEGETAL	3.245	33.00	3782.3
1370.000	FIRME	6.546	64.14	8500.6	D TIERRA	7.981	82.32	6922.6
	SUELO EST2	3.429	33.65	4330.5	SUELO EST1	3.393	33.30	4404.3
	TERRAPLEN	1.347	14.64	1267.2	EXCAVA SANE0	7.578	74.39	4119.2

1380.000	TERRAP SANE0	7.578	74.39	4119.2	VEGETAL	3.380	33.12	3815.4
	FIRME	6.135	63.40	8564.0	D TIERRA	4.635	63.08	6985.7
	SUELO EST2	3.218	33.23	4363.8	SUELO EST1	3.183	32.88	4437.2
	TERRAPLEN	2.263	18.05	1285.2	EXCAVA SANE0	7.150	73.64	4192.8
1390.000	TERRAP SANE0	7.150	73.64	4192.8	VEGETAL	3.178	32.79	3848.2
	FIRME	6.071	61.03	8625.0	D TIERRA	2.670	36.53	7022.2
	SUELO EST2	3.227	32.23	4396.0	SUELO EST1	3.192	31.88	4469.0
	TERRAPLEN	3.146	27.04	1312.3	EXCAVA SANE0	6.328	67.39	4260.2
1400.000	TERRAP SANE0	6.328	67.39	4260.2	VEGETAL	3.118	31.48	3879.7
	FIRME	6.088	60.79	8685.8	D TIERRA	1.759	22.15	7044.4
	SUELO EST2	3.248	32.37	4428.4	SUELO EST1	3.212	32.02	4501.1
	TERRAPLEN	3.672	34.09	1346.3	EXCAVA SANE0	7.067	66.98	4327.2
1410.000	TERRAP SANE0	7.067	66.98	4327.2	VEGETAL	3.143	31.30	3911.0
	FIRME	6.102	60.95	8746.7	D TIERRA	1.485	16.22	7060.6
	SUELO EST2	3.269	32.59	4461.0	SUELO EST1	3.235	32.24	4533.3
	TERRAPLEN	4.096	38.84	1385.2	EXCAVA SANE0	7.123	70.95	4398.1
1420.000	TERRAP SANE0	7.123	70.95	4398.1	VEGETAL	3.168	31.55	3942.5
	FIRME	6.109	61.05	8807.8	D TIERRA	1.391	14.38	7075.0
	SUELO EST2	3.289	32.79	4493.8	SUELO EST1	3.253	32.44	4565.7
	TERRAPLEN	3.964	40.30	1425.5	EXCAVA SANE0	7.166	71.45	4469.6
1430.000	TERRAP SANE0	7.166	71.45	4469.6	VEGETAL	3.187	31.77	3974.3
	FIRME	6.107	61.08	8868.9	D TIERRA	1.744	15.68	7090.7
	SUELO EST2	3.282	32.85	4526.6	SUELO EST1	3.247	32.50	4598.2
	TERRAPLEN	3.314	36.39	1461.9	EXCAVA SANE0	7.107	71.37	4541.0
1440.000	TERRAP SANE0	7.107	71.37	4541.0	VEGETAL	3.161	31.74	4006.0
	FIRME	6.546	63.27	8932.1	D TIERRA	5.391	35.68	7126.3
	SUELO EST2	3.428	33.55	4560.2	SUELO EST1	3.394	33.21	4631.4
	TERRAPLEN	2.661	29.88	1491.7	EXCAVA SANE0	2.126	46.17	4587.1
	TERRAP SANE0	2.126	46.17	4587.1	VEGETAL	3.479	33.20	4039.2

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 75: V微 de servicio Dch. P.K. 116+500

pagina 16

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1450.000	FIRME	6.547	65.46	8997.6	D TIERRA	9.571	74.81	7201.1
	SUELO EST2	3.428	34.28	4594.4	SUELO EST1	3.394	33.94	4665.4
	TERRAPLEN	1.815	22.38	1514.1	EXCAVA SANE0	1.654	18.90	4606.0
	TERRAP SANE0	1.654	18.90	4606.0	VEGETAL	3.540	35.10	4074.3
1460.000	FIRME	6.547	65.47	9063.1	D TIERRA	11.498	105.34	7306.5
	SUELO EST2	3.428	34.28	4628.7	SUELO EST1	3.394	33.94	4699.3
	TERRAPLEN	1.538	16.76	1530.9	EXCAVA SANE0	1.512	15.83	4621.8
	TERRAP SANE0	1.512	15.83	4621.8	VEGETAL	3.546	35.43	4109.8
1470.000	FIRME	6.546	65.46	9128.5	D TIERRA	11.770	116.34	7422.8
	SUELO EST2	3.429	34.29	4663.0	SUELO EST1	3.393	33.94	4733.3

1580.000	SUELO EST2	3.493	34.64	5003.7	SUELO EST1	3.364	33.60	5069.6
	TERRAPLEN	5.281	50.22	1910.1	EXCAVA SANEO	7.415	73.97	5072.3
	TERRAP SANEO	7.415	73.97	5072.3	VEGETAL	3.296	32.88	4487.6
	FIRME	6.114	61.14	9829.0	D TIERRA	0.007	0.17	8131.3
1590.000	SUELO EST2	3.509	35.01	5038.7	SUELO EST1	3.363	33.63	5103.2
	TERRAPLEN	4.790	50.36	1960.5	EXCAVA SANEO	7.363	73.89	5146.1
	TERRAP SANEO	7.363	73.89	5146.1	VEGETAL	3.272	32.84	4520.4
	FIRME	6.114	61.14	9890.1	D TIERRA	0.040	0.24	8131.6
1600.000	SUELO EST2	3.501	35.05	5073.8	SUELO EST1	3.363	33.63	5136.9
	TERRAPLEN	3.373	40.82	2001.3	EXCAVA SANEO	7.252	73.07	5219.2
	TERRAP SANEO	7.252	73.07	5219.2	VEGETAL	3.223	32.48	4552.9
	FIRME	6.114	61.14	9951.2	D TIERRA	0.271	1.56	8133.1
1610.000	SUELO EST2	3.461	34.81	5108.6	SUELO EST1	3.362	33.63	5170.5
	TERRAPLEN	1.589	24.81	2026.1	EXCAVA SANEO	6.939	70.95	5290.2
	TERRAP SANEO	6.939	70.95	5290.2	VEGETAL	3.084	31.54	4584.4
	FIRME	6.109	61.11	10012.4	D TIERRA	1.568	9.20	8142.3
1620.000	SUELO EST2	3.287	33.74	5142.3	SUELO EST1	3.253	33.08	5203.6
	TERRAPLEN	0.831	12.10	2038.2	EXCAVA SANEO	6.494	67.16	5357.3
	TERRAP SANEO	6.494	67.16	5357.3	VEGETAL	2.888	29.86	4614.3
	FIRME	6.114	61.11	10073.5	D TIERRA	1.812	16.90	8159.2
	SUELO EST2	3.366	33.26	5175.6	SUELO EST1	3.325	32.89	5236.5
	TERRAPLEN	1.017	9.24	2047.4	EXCAVA SANEO	6.737	66.16	5423.5
	TERRAP SANEO	6.737	66.16	5423.5	VEGETAL	2.994	29.41	4643.7

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 18

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1630.000	FIRME	6.110	61.12	10134.6	D TIERRA	2.588	22.00	8181.2
	SUELO EST2	3.292	33.29	5208.9	SUELO EST1	3.256	32.90	5269.4
	TERRAPLEN	1.018	10.17	2057.6	EXCAVA SANEO	6.628	66.82	5490.3
	TERRAP SANEO	6.628	66.82	5490.3	VEGETAL	2.948	29.71	4673.4
1640.000	FIRME	6.058	60.84	10195.4	D TIERRA	3.551	30.69	8211.9
	SUELO EST2	3.214	32.53	5241.4	SUELO EST1	3.179	32.18	5301.5
	TERRAPLEN	0.831	9.25	2066.9	EXCAVA SANEO	1.111	38.69	5529.0
	TERRAP SANEO	1.111	38.69	5529.0	VEGETAL	2.865	29.07	4702.5
1650.000	FIRME	6.040	60.49	10255.9	D TIERRA	4.061	38.06	8250.0
	SUELO EST2	3.198	32.06	5273.5	SUELO EST1	3.164	31.72	5333.3
	TERRAPLEN	0.771	8.01	2074.9	EXCAVA SANEO	1.039	10.75	5539.8
	TERRAP SANEO	1.039	10.75	5539.8	VEGETAL	2.839	28.52	4731.0
1660.000	FIRME	6.030	60.35	10316.3	D TIERRA	4.386	42.24	8292.2
	SUELO EST2	3.191	31.95	5305.4	SUELO EST1	3.156	31.60	5364.9
	TERRAPLEN	0.665	7.18	2082.1	EXCAVA SANEO	0.962	10.01	5549.8
	TERRAP SANEO	0.962	10.01	5549.8	VEGETAL	2.818	28.28	4759.3
1670.000	FIRME	6.042	60.36	10376.6	D TIERRA	4.395	43.91	8336.1
	SUELO EST2	3.201	31.96	5337.4	SUELO EST1	3.165	31.61	5396.5
	TERRAPLEN	0.713	6.89	2088.9	EXCAVA SANEO	0.979	9.71	5559.5
	TERRAP SANEO	0.979	9.71	5559.5	VEGETAL	2.823	28.21	4787.5
1680.000	FIRME	6.053	60.48	10437.1	D TIERRA	4.283	43.39	8379.5
	SUELO EST2	3.210	32.05	5369.5	SUELO EST1	3.175	31.70	5428.2
	TERRAPLEN	0.824	7.68	2096.6	EXCAVA SANEO	1.057	10.18	5569.7
	TERRAP SANEO	1.057	10.18	5569.7	VEGETAL	2.844	28.33	4815.8
1690.000	FIRME	6.096	60.75	10497.9	D TIERRA	3.845	40.64	8420.1
	SUELO EST2	3.260	32.35	5401.8	SUELO EST1	3.225	32.00	5460.2
	TERRAPLEN	0.895	8.59	2105.2	EXCAVA SANEO	6.511	37.84	5607.5
	TERRAP SANEO	6.511	37.84	5607.5	VEGETAL	2.896	28.70	4844.5
1700.000	FIRME	6.105	61.01	10558.9	D TIERRA	3.314	35.79	8455.9
	SUELO EST2	3.278	32.69	5434.5	SUELO EST1	3.242	32.34	5492.5
	TERRAPLEN	1.118	10.06	2115.3	EXCAVA SANEO	6.578	65.44	5672.9
	TERRAP SANEO	6.578	65.44	5672.9	VEGETAL	2.925	29.11	4873.6
1710.000	FIRME	6.112	61.09	10620.0	D TIERRA	2.570	29.42	8485.4
	SUELO EST2	3.303	32.91	5467.4	SUELO EST1	3.269	32.56	5525.1
	TERRAPLEN	1.009	10.63	2125.9	EXCAVA SANEO	6.495	65.37	5738.3
	TERRAP SANEO	6.495	65.37	5738.3	VEGETAL	2.889	29.07	4902.7

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 19

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1720.000	FIRME	6.114	61.13	10681.1	D TIERRA	1.832	22.01	8507.4
	SUELO EST2	3.337	33.20	5500.6	SUELO EST1	3.301	32.85	5557.9
	TERRAPLEN	1.248	11.28	2137.2	EXCAVA SANEO	6.523	65.09	5803.4
	TERRAP SANEO	6.523	65.09	5803.4	VEGETAL	2.900	28.94	4931.6
1730.000	FIRME	6.130	61.22	10742.3	D TIERRA	1.089	14.60	8522.0
	SUELO EST2	3.355	33.46	5534.1	SUELO EST1	3.319	33.10	5591.0
	TERRAPLEN	1.852	15.50	2152.7	EXCAVA SANEO	6.568	65.46	5868.9
	TERRAP SANEO	6.568	65.46	5868.9	VEGETAL	2.920	29.10	4960.7
1740.000	FIRME	6.175	61.53	10803.8	D TIERRA	0.619	8.54	8530.5
	SUELO EST2	3.419	33.87	5567.9	SUELO EST1	3.369	33.44	5624.4
	TERRAPLEN	1.906	18.79	2171.5	EXCAVA SANEO	6.578	65.73	5934.6
	TERRAP SANEO	6.578	65.73	5934.6	VEGETAL	2.924	29.22	4990.0
1750.000	FIRME	6.220	61.97	10865.8	D TIERRA	0.566	5.92	8536.4
	SUELO EST2	3.397	34.08	5602.0	SUELO EST1	3.360	33.65	5658.1
	TERRAPLEN	1.619	17.63	2189.1	EXCAVA SANEO	6.470	65.24	5999.8
	TERRAP SANEO	6.470	65.24	5999.8	VEGETAL	2.876	29.00	5019.0
1760.000	FIRME	6.265	62.42	10928.2	D TIERRA	0.618	5.92	8542.4
	SUELO EST2	3.418	34.07	5636.1	SUELO EST1	3.382	33.71	5691.8
	TERRAPLEN	1.409	15.14	2204.3	EXCAVA SANEO	6.438	64.54	6064.4

1770.000	TERRAP SANEO	6.438	64.54	6064.4	VEGETAL	2.862	28.69	5047.7
	FIRME	6.310	62.87	10991.1	D TIERRA	0.050	3.34	8545.7
	SUELO EST2	3.579	34.99	5671.1	SUELO EST1	3.461	34.22	5726.0
	TERRAPLEN	1.801	16.05	2220.3	EXCAVA SANEO	6.602	65.20	6129.6
1780.000	TERRAP SANEO	6.602	65.20	6129.6	VEGETAL	2.935	28.98	5076.6
	FIRME	6.334	63.22	11054.3	D TIERRA	0.000	0.25	8546.0
	SUELO EST2	3.647	36.13	5707.2	SUELO EST1	3.474	34.68	5760.7
	TERRAPLEN	2.839	23.20	2243.5	EXCAVA SANEO	6.708	66.55	6196.1
1790.000	TERRAP SANEO	6.708	66.55	6196.1	VEGETAL	2.982	29.58	5106.2
	FIRME	6.309	63.22	11117.5	SUELO EST2	3.635	36.41	5743.6
	SUELO EST1	3.463	34.69	5795.4	TERRAPLEN	3.510	31.74	2275.2
	EXCAVA SANEO	6.748	67.28	6263.4	TERRAP SANEO	6.748	67.28	6263.4
1800.000	VEGETAL	2.999	29.90	5136.1				
	FIRME	6.284	62.96	11180.5	D TIERRA	0.111	0.55	8546.5
	SUELO EST2	3.556	35.95	5779.6	SUELO EST1	3.452	34.58	5830.0
	TERRAPLEN	5.312	44.13	2319.4	EXCAVA SANEO	6.708	67.28	6330.7
	TERRAP SANEO	6.708	67.28	6330.7	VEGETAL	2.981	29.90	5166.0

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 20

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1810.000	FIRME	6.261	62.72	11243.2	D TIERRA	0.000	0.55	8547.1
	SUELO EST2	3.632	35.94	5815.5	SUELO EST1	3.443	34.47	5864.4
	TERRAPLEN	8.628	69.85	2389.2	EXCAVA SANEO	6.995	68.53	6399.2
	TERRAP SANEO	6.995	68.53	6399.2	VEGETAL	3.109	30.46	5196.5
1820.000	FIRME	6.265	62.62	11305.8	SUELO EST2	3.633	36.31	5851.8
	SUELO EST1	3.445	34.44	5898.9	TERRAPLEN	11.019	98.42	2487.6
	EXCAVA SANEO	7.205	71.02	6470.2	TERRAP SANEO	7.205	71.02	6470.2
	VEGETAL	3.202	31.56	5228.0				
1830.000	FIRME	6.260	62.60	11368.4	SUELO EST2	3.633	36.31	5888.1
	SUELO EST1	3.444	34.44	5933.3	TERRAPLEN	11.393	112.27	2599.9
	EXCAVA SANEO	7.231	72.20	6542.4	TERRAP SANEO	7.231	72.20	6542.4
	VEGETAL	3.214	32.09	5260.1				
1840.000	FIRME	6.243	62.48	11430.9	SUELO EST2	3.630	36.29	5924.4
	SUELO EST1	3.441	34.40	5967.7	TERRAPLEN	10.953	111.99	2711.9
	EXCAVA SANEO	7.265	72.51	6614.9	TERRAP SANEO	7.265	72.51	6614.9
	VEGETAL	3.229	32.23	5292.4				
1850.000	FIRME	6.228	62.30	11493.2	SUELO EST2	3.628	36.25	5960.7
	SUELO EST1	3.438	34.36	6002.1	TERRAPLEN	13.203	121.81	2833.7
	EXCAVA SANEO	8.008	76.54	6691.5	TERRAP SANEO	8.008	76.54	6691.5
	VEGETAL	3.559	34.02	5326.4				
1860.000	FIRME	6.228	62.22	11555.4	SUELO EST2	3.617	36.19	5996.9
	SUELO EST1	3.438	34.34	6036.4	TERRAPLEN	15.751	147.17	2980.9
	EXCAVA SANEO	7.850	79.69	6771.2	TERRAP SANEO	7.850	79.69	6771.2
	VEGETAL	3.489	35.42	5361.8				
1870.000	FIRME	6.228	62.22	11617.6	SUELO EST2	3.606	36.08	6032.9
	SUELO EST1	3.438	34.34	6070.8	TERRAPLEN	22.407	193.56	3174.4
	EXCAVA SANEO	7.909	79.28	6850.5	TERRAP SANEO	7.909	79.28	6850.5
	VEGETAL	3.516	35.24	5397.0				
1880.000	FIRME	6.228	62.22	11679.9	SUELO EST2	3.628	36.13	6069.1
	SUELO EST1	3.438	34.35	6105.1	TERRAPLEN	24.305	236.17	3410.6
	EXCAVA SANEO	8.344	81.73	6932.2	TERRAP SANEO	8.344	81.73	6932.2
	VEGETAL	3.709	36.33	5433.4				
1890.000	FIRME	6.228	62.22	11742.1	SUELO EST2	3.627	36.23	6105.3
	SUELO EST1	3.439	34.35	6139.5	TERRAPLEN	18.971	218.69	3629.3
	EXCAVA SANEO	7.867	81.42	7013.6	TERRAP SANEO	7.867	81.42	7013.6
	VEGETAL	3.497	36.19	5469.6				

310.000	TERRAP SANE0	1.984	18.94	40.6	VEGETAL	2.808	27.96	971.8
	MUROS	1.075	11.58	123.2				
	FIRME	5.883	59.20	2094.1	D TIERRA	5.151	79.08	4353.9
320.000	SUELO EST2	2.996	30.09	1045.7	SUELO EST1	2.957	29.68	1038.0
	TERRAPLEN	1.239	14.44	1386.6	EXCAVA SANE0	2.163	20.84	61.5
	TERRAP SANE0	2.163	20.84	61.5	VEGETAL	2.829	28.21	1000.1
330.000	MUROS	0.838	9.50	132.7				
	FIRME	6.295	60.90	2155.1	D TIERRA	1.380	32.55	4386.5
	SUELO EST2	3.334	31.68	1077.4	SUELO EST1	3.294	31.27	1069.3
340.000	TERRAPLEN	2.436	18.46	1405.0	EXCAVA SANE0	3.255	27.19	88.7
	TERRAP SANE0	3.255	27.19	88.7	VEGETAL	2.956	28.95	1029.0
	MUROS	0.000	4.17	136.8				
350.000	FIRME	6.266	62.81	2217.9	D TIERRA	1.667	15.17	4401.6
	SUELO EST2	3.287	33.12	1110.5	SUELO EST1	3.247	32.72	1102.0
	TERRAPLEN	3.298	28.79	1433.8	EXCAVA SANE0	3.333	33.05	121.7
360.000	TERRAP SANE0	3.333	33.05	121.7	VEGETAL	2.972	29.66	1058.7
	FIRME	6.231	62.49	2280.3	D TIERRA	2.510	20.81	4422.5
	SUELO EST2	3.253	32.72	1143.2	SUELO EST1	3.213	32.31	1134.3
370.000	TERRAPLEN	5.413	43.78	1477.6	EXCAVA SANE0	2.802	30.80	152.5
	TERRAP SANE0	2.802	30.80	152.5	VEGETAL	3.074	30.27	1088.9
	FIRME	6.181	12.41	2292.8	D TIERRA	3.489	5.98	4428.4
380.000	SUELO EST2	3.216	6.47	1149.7	SUELO EST1	3.177	6.39	1140.7
	TERRAPLEN	5.238	10.71	1488.3	EXCAVA SANE0	2.566	5.39	157.9
	TERRAP SANE0	2.566	5.39	157.9	VEGETAL	3.058	6.14	1095.1
390.000	FIRME	5.802	21.98	2314.7	D TIERRA	4.636	14.86	4443.3
	SUELO EST2	2.967	11.35	1161.1	SUELO EST1	2.927	11.20	1151.9
	TERRAPLEN	5.005	18.89	1507.2	EXCAVA SANE0	2.432	9.21	167.1
	TERRAP SANE0	2.432	9.21	167.1	VEGETAL	3.007	11.14	1106.2

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina 5
PROYECTO :
EJE: 60: V de servicio Dch. P.K. 117+500

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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FIRME	2314.7
RELL PIE TERRA	3.9
D TIERRA	4443.3
SUELO EST2	1161.1
SUELO EST1	1151.9
TERRAPLEN	1507.2
EXCAVA SANE0	167.1
TERRAP SANE0	167.1
VEGETAL	1106.2
MUROS	136.8

Istram 18.05.05.29 12/07/18 21:28:37 459 pagina 1
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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0.000	FIRME	5.665	0.00	0.0	D TIERRA	4.568	0.00	0.0
	SUELO EST2	2.783	0.00	0.0	SUELO EST1	2.896	0.00	0.0
	VEGETAL	2.949	0.00	0.0				
10.000	FIRME	5.659	56.62	56.6	D TIERRA	4.957	47.62	47.6
	SUELO EST2	2.746	27.64	27.6	SUELO EST1	2.864	28.80	28.8
	VEGETAL	2.920	29.34	29.3				
20.000	FIRME	5.651	56.55	113.2	D TIERRA	5.259	51.08	98.7
	SUELO EST2	2.713	27.29	54.9	SUELO EST1	2.833	28.48	57.3
	VEGETAL	2.894	29.07	58.4				
30.000	FIRME	5.644	56.47	169.6	D TIERRA	5.597	54.28	153.0
	SUELO EST2	2.684	26.98	81.9	SUELO EST1	2.804	28.18	85.5
	VEGETAL	2.869	28.81	87.2				
40.000	FIRME	5.646	56.45	226.1	D TIERRA	5.539	55.68	208.7
	SUELO EST2	2.598	26.41	108.3	SUELO EST1	2.718	27.61	113.1
	TERRAPLEN	0.031	0.16	0.2	VEGETAL	2.892	28.80	116.0
50.000	FIRME	5.664	56.55	282.6	D TIERRA	5.708	56.23	264.9
	SUELO EST2	2.606	26.02	134.3	SUELO EST1	2.726	27.22	140.3
	TERRAPLEN	0.031	0.31	0.5	VEGETAL	2.903	28.98	145.0
60.000	FIRME	5.660	56.62	339.3	D TIERRA	5.668	56.88	321.8
	SUELO EST2	2.605	26.05	160.4	SUELO EST1	2.725	27.25	167.5
	TERRAPLEN	0.031	0.31	0.8	VEGETAL	2.902	29.02	174.0
70.000	FIRME	5.634	56.47	395.7	D TIERRA	5.419	55.44	377.2
	SUELO EST2	2.597	26.01	186.4	SUELO EST1	2.718	27.21	194.8
	TERRAPLEN	0.031	0.31	1.1	VEGETAL	2.889	28.95	203.0
80.000	FIRME	5.649	56.41	452.1	D TIERRA	5.289	53.54	430.8
	SUELO EST2	2.714	26.56	213.0	SUELO EST1	2.834	27.76	222.5
	TERRAPLEN	0.000	0.16	1.3	VEGETAL	2.893	28.91	231.9
90.000	FIRME	5.660	56.54	508.7	D TIERRA	4.781	50.35	481.1
	SUELO EST2	2.766	27.40	240.4	SUELO EST1	2.881	28.57	251.1
	VEGETAL	2.933	29.13	261.0				
100.000	FIRME	5.668	56.64	565.3	D TIERRA	4.154	44.67	525.8
	SUELO EST2	2.832	27.99	268.4	SUELO EST1	2.930	29.05	280.1
	VEGETAL	2.983	29.58	290.6				
110.000	FIRME	5.671	56.69	622.0	D TIERRA	3.401	37.77	563.5
	SUELO EST2	2.911	28.71	297.1	SUELO EST1	2.965	29.47	309.6
	VEGETAL	3.039	30.11	320.7				

Istram 18.05.05.29 12/07/18 21:28:37 459 pagina 2
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
120.000	FIRME	5.671	56.71	678.7	D TIERRA	2.943	31.72	595.3	
	SUELO EST2	2.957	29.34	326.4	SUELO EST1	2.993	29.79	339.4	
	VEGETAL	3.068	30.53	351.2					
130.000	FIRME	5.671	56.71	735.4	D TIERRA	2.695	28.19	623.5	
	SUELO EST2	2.985	29.71	356.1	SUELO EST1	3.006	30.00	369.4	
	VEGETAL	3.086	30.77	382.0					
140.000	FIRME	5.672	56.71	792.2	D TIERRA	2.521	26.08	649.5	
	SUELO EST2	3.003	29.94	386.1	SUELO EST1	3.013	30.10	399.5	
	VEGETAL	3.097	30.92	412.9					
150.000	FIRME	5.671	56.71	848.9	D TIERRA	2.534	25.27	674.8	
	SUELO EST2	2.999	30.01	416.1	SUELO EST1	3.014	30.13	429.6	
	VEGETAL	3.095	30.96	443.9					
160.000	FIRME	5.672	56.71	905.6	D TIERRA	2.962	27.48	702.3	
	SUELO EST2	2.956	29.77	445.8	SUELO EST1	3.000	30.07	459.7	
	VEGETAL	3.067	30.81	474.7					
170.000	FIRME	5.671	56.71	962.3	D TIERRA	3.420	31.91	734.2	
	SUELO EST2	2.903	29.29	475.1	SUELO EST1	2.973	29.87	489.6	
	VEGETAL	3.034	30.50	505.2					
180.000	FIRME	5.670	56.71	1019.0	D TIERRA	3.826	36.23	770.4	
	SUELO EST2	2.860	28.81	503.9	SUELO EST1	2.947	29.60	519.2	
	VEGETAL	3.004	30.19	535.4					
190.000	FIRME	5.665	56.68	1075.7	D TIERRA	4.389	41.07	811.5	
	SUELO EST2	2.807	28.34	532.3	SUELO EST1	2.912	29.29	548.5	
	VEGETAL	2.963	29.84	565.2					
200.000	FIRME	5.656	56.61	1132.3	D TIERRA	4.886	46.37	857.9	
	SUELO EST2	2.758	27.83	560.1	SUELO EST1	2.873	28.92	577.4	
	VEGETAL	2.925	29.44	594.7					
210.000	FIRME	5.646	56.51	1188.8	D TIERRA	5.325	51.05	908.9	
	SUELO EST2	2.717	27.38	587.5	SUELO EST1	2.836	28.55	605.9	
	VEGETAL	2.893	29.09	623.8					
219.447	FIRME	5.623	53.23	1242.0	D TIERRA	5.262	50.01	958.9	
	SUELO EST2	2.601	25.12	612.6	SUELO EST1	2.721	26.25	632.2	
	TERRAPLEN	0.031	0.15	1.4	VEGETAL	2.888	27.31	651.1	
220.000	FIRME	5.624	3.11	1245.1	D TIERRA	5.263	2.91	961.8	
	SUELO EST2	2.598	1.44	614.0	SUELO EST1	2.718	1.50	633.7	
	TERRAPLEN	0.031	0.02	1.4	VEGETAL	2.887	1.60	652.7	

Istram 18.05.05.29 12/07/18 21:28:37 459 pagina 3
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	FIRME	5.623	56.19	1301.3	D TIERRA	5.262	52.58	1014.4
	SUELO EST2	2.598	25.97	640.0	SUELO EST1	2.719	27.17	660.9
	TERRAPLEN	0.031	0.31	1.7	VEGETAL	2.887	28.85	681.5
240.000	FIRME	5.647	56.30	1357.6	D TIERRA	5.350	53.01	1067.4
	SUELO EST2	2.710	26.52	666.5	SUELO EST1	2.830	27.72	688.6
	TERRAPLEN	0.000	0.16	1.9	VEGETAL	2.889	28.86	710.4
250.000	FIRME	5.655	56.46	1414.1	D TIERRA	5.035	51.88	1119.3
	SUELO EST2	2.742	27.24	693.8	SUELO EST1	2.860	28.43	717.0
	VEGETAL	2.914	28.99	739.4				
260.000	FIRME	5.664	56.55	1470.6	D TIERRA	4.556	47.91	1167.2
	SUELO EST2	2.785	27.62	721.4	SUELO EST1	2.896	28.76	745.8
	VEGETAL	2.948	29.29	768.6				
270.000	FIRME	5.671	56.63	1527.3	D TIERRA	3.993	42.71	1209.9
	SUELO EST2	2.837	28.09	749.5	SUELO EST1	2.936	29.14	774.9
	VEGETAL	2.989	29.66	798.3				
280.000	FIRME	5.672	56.67	1583.9	D TIERRA	3.483	37.35	1247.3
	SUELO EST2	2.895	28.64	778.1	SUELO EST1	2.977	29.54	804.5
	VEGETAL	3.029	30.07	828.4				
290.000	FIRME	5.672	56.67	1640.6	D TIERRA	3.076	32.76	1280.0
	SUELO EST2	2.944	29.17	807.3	SUELO EST1	3.002	29.87	834.3
	VEGETAL	3.059	30.42	858.8				
300.000	FIRME	5.672	56.68	1697.3	D TIERRA	2.773	29.22	1309.3
	SUELO EST2	2.979	29.59	836.9	SUELO EST1	3.017	30.07	864.4
	VEGETAL	3.082	30.68	889.5				
310.000	FIRME	5.672	56.68	1754.0	D TIERRA	2.546	26.57	1335.8
	SUELO EST2	3.001	29.88	866.8	SUELO EST1	3.025	30.19	894.6
	VEGETAL	3.096	30.86	920.3				
320.000	FIRME	5.672	56.68	1810.6	D TIERRA	2.505	25.23	1361.1
	SUELO EST2	3.004	30.01	896.8	SUELO EST1	3.026	30.23	924.8
	VEGETAL	3.098	30.94	951.3				
330.000	FIRME	5.672	56.68	1867.3	D TIERRA	2.719	26.09	1387.2
	SUELO EST2	2.981	29.91	926.7	SUELO EST1	3.020	30.21	955.0
	VEGETAL	3.083	30.88	982.2				
340.000	FIRME	5.672	56.68	1924.0	D TIERRA	3.168	29.41	1416.6
	SUELO EST2	2.933	29.55	956.2	SUELO EST1	3.002	30.09	985.1
	VEGETAL	3.053	30.66	1012.8				

360.000	SUELO EST2	2.874	29.01	985.2	SUELO EST1	2.967	29.82	1014.9
	VEGETAL	3.016	30.32	1043.1				
	FIRME	5.672	56.68	2037.4	D TIERRA	3.339	35.06	1485.8
370.000	SUELO EST2	2.914	28.92	1014.2	SUELO EST1	2.994	29.78	1044.7
	VEGETAL	3.041	30.26	1073.4				
	FIRME	5.672	56.68	2094.0	D TIERRA	2.001	26.67	1512.5
380.000	SUELO EST2	3.046	29.78	1043.9	SUELO EST1	3.024	30.06	1074.8
	VEGETAL	3.131	30.84	1104.2				
	FIRME	5.672	56.68	2150.7	D TIERRA	2.348	21.72	1534.2
390.000	SUELO EST2	3.016	30.29	1074.2	SUELO EST1	3.012	30.15	1104.9
	VEGETAL	3.109	31.18	1135.4				
	FIRME	5.668	56.65	2207.4	D TIERRA	5.001	36.71	1570.9
400.000	SUELO EST2	2.750	28.81	1103.0	SUELO EST1	2.870	29.38	1134.3
	VEGETAL	2.929	30.17	1165.6				
	FIRME	5.662	56.60	2264.0	D TIERRA	5.021	50.07	1621.0
410.000	SUELO EST2	2.737	27.41	1130.4	SUELO EST1	2.856	28.61	1162.9
	VEGETAL	2.915	29.20	1194.8				
	FIRME	5.665	56.59	2320.6	D TIERRA	4.825	49.19	1670.2
420.000	SUELO EST2	2.756	27.44	1157.9	SUELO EST1	2.875	28.64	1191.6
	VEGETAL	2.930	29.20	1224.0				
	FIRME	5.670	56.63	2377.2	D TIERRA	4.463	46.40	1716.6
430.000	SUELO EST2	2.793	27.73	1185.6	SUELO EST1	2.906	28.88	1220.5
	VEGETAL	2.958	29.42	1253.4				
	FIRME	5.673	56.67	2433.8	D TIERRA	3.963	42.09	1758.7
440.000	SUELO EST2	2.841	28.15	1213.8	SUELO EST1	2.943	29.22	1249.7
	VEGETAL	2.995	29.74	1283.1				
	FIRME	5.673	56.68	2490.5	D TIERRA	3.515	37.35	1796.0
450.000	SUELO EST2	2.894	28.65	1242.4	SUELO EST1	2.979	29.59	1279.3
	VEGETAL	3.028	30.09	1313.2				
	FIRME	5.673	56.68	2547.2	D TIERRA	3.225	33.67	1829.7
457.115	SUELO EST2	2.927	29.08	1271.5	SUELO EST1	2.999	29.87	1309.1
	VEGETAL	3.050	30.37	1343.6				
	FIRME	5.673	40.33	2587.5	D TIERRA	3.122	22.56	1852.3
	SUELO EST2	2.939	20.85	1292.4	SUELO EST1	3.005	21.34	1330.5
	VEGETAL	3.057	21.71	1365.3				

Istram 18.05.05.29 12/07/18 21:28:37 459 pagina 5
PROYECTO :
EJE: 49: V_{de} de servicio Dch. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
460.000	FIRME	5.673	16.38	2603.9	D TIERRA	3.105	8.99	1861.2
	SUELO EST2	2.941	8.49	1300.8	SUELO EST1	3.006	8.68	1339.2
	VEGETAL	3.058	8.83	1374.1				
470.000	FIRME	5.673	56.78	2660.7	D TIERRA	3.159	31.35	1892.6
	SUELO EST2	2.935	29.40	1330.2	SUELO EST1	3.003	30.07	1369.2
	VEGETAL	3.054	30.59	1404.7				
480.000	FIRME	5.673	56.78	2717.5	D TIERRA	3.383	32.74	1925.3
	SUELO EST2	2.909	29.24	1359.5	SUELO EST1	2.989	29.98	1399.2
	VEGETAL	3.038	30.49	1435.2				
490.000	FIRME	5.673	56.78	2774.3	D TIERRA	3.772	35.81	1961.1
	SUELO EST2	2.863	28.88	1388.4	SUELO EST1	2.960	29.77	1429.0
	VEGETAL	3.009	30.26	1465.5				
500.000	FIRME	5.671	56.77	2831.0	D TIERRA	4.275	40.27	2001.4
	SUELO EST2	2.811	28.39	1416.8	SUELO EST1	2.921	29.43	1458.4
	VEGETAL	2.972	29.93	1495.4				
510.000	FIRME	5.666	56.73	2887.8	D TIERRA	4.766	45.24	2046.7
	SUELO EST2	2.763	27.89	1444.6	SUELO EST1	2.881	29.03	1487.4
	VEGETAL	2.935	29.56	1525.0				
520.000	FIRME	5.661	56.68	2944.4	D TIERRA	5.079	49.26	2095.9
	SUELO EST2	2.731	27.49	1472.1	SUELO EST1	2.851	28.68	1516.1
	VEGETAL	2.911	29.25	1554.2				
530.000	FIRME	5.660	56.65	3001.1	D TIERRA	5.150	51.19	2147.1
	SUELO EST2	2.724	27.30	1499.4	SUELO EST1	2.844	28.50	1544.6
	VEGETAL	2.905	29.10	1583.3				
540.000	FIRME	5.663	56.66	3057.8	D TIERRA	4.982	50.70	2197.8
	SUELO EST2	2.741	27.35	1526.8	SUELO EST1	2.861	28.55	1573.2
	VEGETAL	2.918	29.14	1612.5				
550.000	FIRME	5.669	56.71	3114.5	D TIERRA	4.567	47.78	2245.6
	SUELO EST2	2.782	27.64	1554.4	SUELO EST1	2.898	28.81	1602.0
	VEGETAL	2.950	29.37	1641.8				
560.000	FIRME	5.673	56.76	3171.2	D TIERRA	3.884	42.29	2287.9
	SUELO EST2	2.849	28.18	1582.6	SUELO EST1	2.949	29.25	1631.2
	VEGETAL	3.001	29.78	1671.6				
570.000	FIRME	5.673	56.78	3228.0	D TIERRA	2.943	34.17	2322.0
	SUELO EST2	2.960	29.06	1611.7	SUELO EST1	3.015	29.84	1661.1
	VEGETAL	3.070	30.38	1702.0				

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 6
PROYECTO :
EJE: 49: V_{de} de servicio Dch. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
580.000	FIRME	5.674	56.78	3284.8	D TIERRA	1.848	23.98	2346.0
	SUELO EST2	3.076	30.20	1641.9	SUELO EST1	3.046	30.33	1691.4
	VEGETAL	3.145	31.10	1733.1				
590.000	FIRME	5.673	56.78	3341.6	D TIERRA	0.803	13.27	2359.3
	SUELO EST2	3.169	31.25	1673.1	SUELO EST1	3.053	30.52	1721.9
	TERRAPLEN	0.089	0.44	2.3	VEGETAL	3.218	31.84	1764.9
600.000	FIRME	5.674	56.78	3398.3	D TIERRA	0.338	5.72	2365.0

610.000	SUELO EST2	3.216	31.95	1705.1	SUELO EST1	3.054	30.56	1752.5
	TERRAPLEN	0.550	3.19	5.5	VEGETAL	3.274	32.48	1797.4
	FIRME	5.674	56.78	3455.1	D TIERRA	0.167	2.53	2367.6
620.000	SUELO EST2	3.235	32.28	1737.3	SUELO EST1	3.054	30.56	1783.0
	TERRAPLEN	1.020	7.85	13.4	VEGETAL	3.312	32.95	1830.3
	FIRME	5.673	56.78	3511.9	D TIERRA	0.107	1.37	2368.9
630.000	SUELO EST2	3.241	32.41	1769.7	SUELO EST1	3.054	30.56	1813.6
	TERRAPLEN	1.286	11.53	24.9	VEGETAL	3.331	33.24	1863.6
	FIRME	5.674	56.78	3568.7	D TIERRA	0.107	1.07	2370.0
640.000	SUELO EST2	3.242	32.44	1802.2	SUELO EST1	3.054	30.56	1844.2
	TERRAPLEN	1.287	12.87	37.8	VEGETAL	3.331	33.33	1896.9
	FIRME	5.673	56.78	3625.5	D TIERRA	0.166	1.37	2371.4
650.000	SUELO EST2	3.235	32.41	1834.6	SUELO EST1	3.054	30.56	1874.7
	TERRAPLEN	1.021	11.55	49.3	VEGETAL	3.312	33.24	1930.2
	FIRME	5.674	56.78	3682.3	D TIERRA	0.323	2.45	2373.8
660.000	SUELO EST2	3.218	32.29	1866.9	SUELO EST1	3.053	30.56	1905.3
	TERRAPLEN	0.578	8.00	57.3	VEGETAL	3.277	32.97	1963.1
	FIRME	5.674	56.79	3739.0	D TIERRA	0.591	4.58	2378.4
670.000	SUELO EST2	3.190	32.07	1899.0	SUELO EST1	3.054	30.56	1935.8
	TERRAPLEN	0.223	4.01	61.3	VEGETAL	3.239	32.61	1995.7
	FIRME	5.674	56.79	3795.8	D TIERRA	0.795	6.94	2385.3
730.000	SUELO EST2	3.203	31.99	1930.9	SUELO EST1	3.053	30.56	1966.4
	TERRAPLEN	0.028	1.25	62.6	VEGETAL	3.241	32.43	2028.2
	FIRME	5.674	340.73	4136.6	D TIERRA	0.201	29.91	2415.2
740.000	SUELO EST2	3.171	191.36	2122.3	SUELO EST1	3.054	183.36	2149.8
	TERRAPLEN	1.406	43.05	105.6	VEGETAL	3.232	194.37	2222.5
	FIRME	5.675	56.79	4193.4	D TIERRA	0.622	4.11	2419.4
	SUELO EST2	3.164	31.70	2154.0	SUELO EST1	3.054	30.56	2180.3
	TERRAPLEN	0.845	11.26	116.9	VEGETAL	3.222	32.30	2254.8

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 7
PROYECTO :
EJE: 49: V_{de} de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

750.000	FIRME	5.675	56.79	4250.1	D TIERRA	1.007	8.15	2427.5
	SUELO EST2	3.177	31.73	2185.7	SUELO EST1	3.054	30.56	2210.9
	TERRAPLEN	0.263	5.54	122.4	VEGETAL	3.222	32.25	2287.1
760.000	FIRME	5.674	56.79	4306.9	D TIERRA	1.683	13.46	2441.0
	SUELO EST2	3.152	31.67	2217.4	SUELO EST1	3.054	30.57	2241.4
	TERRAPLEN	0.000	1.32	123.8	VEGETAL	3.197	32.12	2319.2
770.000	FIRME	5.675	56.79	4363.7	D TIERRA	2.628	21.58	2462.5
	SUELO EST2	3.096	31.26	2248.7	SUELO EST1	3.053	30.56	2272.0
	VEGETAL	3.155	31.79	2351.0				
780.000	FIRME	5.659	56.72	4420.4	D TIERRA	3.393	30.13	2492.7
	SUELO EST2	2.822	29.61	2278.3	SUELO EST1	2.908	29.83	2301.8
	VEGETAL	2.965	30.63	2381.6				
790.000	FIRME	5.662	56.65	4477.1	D TIERRA	3.785	35.92	2528.6
	SUELO EST2	2.796	28.11	2306.4	SUELO EST1	2.899	29.06	2330.9
	VEGETAL	2.951	29.60	2411.2				
800.000	FIRME	5.664	56.67	4533.8	D TIERRA	4.347	40.70	2569.3
	SUELO EST2	2.773	27.87	2334.2	SUELO EST1	2.886	28.95	2359.8
	VEGETAL	2.938	29.47	2440.7				
810.000	FIRME	7.830	67.50	4601.3	D TIERRA	6.785	55.69	2625.0
	SUELO EST2	3.781	32.78	2367.0	SUELO EST1	3.901	33.95	2393.8
	VEGETAL	3.966	34.53	2475.2				
820.000	FIRME	6.923	73.78	4675.0	D TIERRA	6.535	66.63	2691.6
	SUELO EST2	3.317	35.50	2402.5	SUELO EST1	3.437	36.70	2430.5
	VEGETAL	3.502	37.35	2512.6				
830.000	FIRME	6.259	65.94	4741.0	D TIERRA	6.042	62.92	2754.5
	SUELO EST2	2.988	31.54	2434.1	SUELO EST1	3.108	32.74	2463.2
	VEGETAL	3.173	33.39	2546.0				
840.000	FIRME	5.819	60.43	4801.4	D TIERRA	5.782	59.16	2813.7
	SUELO EST2	2.672	28.32	2462.4	SUELO EST1	2.792	29.52	2492.8
	TERRAPLEN	0.031	0.16	123.9	VEGETAL	2.962	30.70	2576.7
850.000	FIRME	5.693	57.60	4859.0	D TIERRA	6.168	59.80	2873.5
	SUELO EST2	2.599	26.37	2488.8	SUELO EST1	2.719	27.57	2520.3
	TERRAPLEN	0.031	0.31	124.2	VEGETAL	2.901	29.34	2606.0
860.000	FIRME	5.695	56.98	4916.0	D TIERRA	6.305	62.42	2935.9
	SUELO EST2	2.597	26.00	2514.8	SUELO EST1	2.717	27.20	2547.5
	TERRAPLEN	0.031	0.31	124.5	VEGETAL	2.903	29.04	2635.0

920.000	SUELO EST2	2.813	27.90	2649.3	SUELO EST1	2.921	29.03	2688.0
	VEGETAL	2.973	29.56	2780.4				
	FIRME	5.671	56.74	5256.1	D TIERRA	3.740	39.96	3245.8
930.000	SUELO EST2	2.865	28.41	2677.7	SUELO EST1	2.960	29.43	2717.4
	VEGETAL	3.010	29.94	2810.3				
	FIRME	5.670	56.75	5312.8	D TIERRA	3.232	34.89	3280.7
940.000	SUELO EST2	2.926	28.98	2706.7	SUELO EST1	2.997	29.81	2747.2
	VEGETAL	3.048	30.31	2840.6				
	FIRME	5.671	56.75	5369.6	D TIERRA	2.703	29.70	3310.4
950.000	SUELO EST2	2.985	29.58	2736.3	SUELO EST1	3.022	30.12	2777.4
	VEGETAL	3.085	30.69	2871.3				
	FIRME	5.695	56.88	5426.5	D TIERRA	2.160	24.34	3334.8
957.925	SUELO EST2	3.048	30.19	2766.5	SUELO EST1	3.042	30.35	2807.7
	VEGETAL	3.126	31.08	2902.4				
	FIRME	5.723	45.28	5471.7	D TIERRA	1.756	15.53	3350.3
960.000	SUELO EST2	3.091	24.34	2790.8	SUELO EST1	3.054	24.17	2831.9
	VEGETAL	3.157	24.92	2927.3				
	FIRME	5.731	11.88	5483.6	D TIERRA	1.668	3.55	3353.9
970.000	SUELO EST2	3.100	6.42	2797.2	SUELO EST1	3.056	6.34	2838.2
	VEGETAL	3.164	6.56	2933.9				
	FIRME	5.767	57.44	5541.1	D TIERRA	1.354	15.09	3369.0
	SUELO EST2	3.132	31.14	2828.4	SUELO EST1	3.065	30.58	2868.8
	VEGETAL	3.190	31.74	2965.6				

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 9
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
980.000	FIRME	5.747	57.45	5598.5	D TIERRA	1.356	13.51	3382.5
	SUELO EST2	3.129	31.25	2859.6	SUELO EST1	3.062	30.57	2899.4
	TERRAPLEN	0.001	0.01	125.0	VEGETAL	3.189	31.83	2997.4
990.000	FIRME	5.705	57.07	5655.6	D TIERRA	1.600	14.70	3397.2
	SUELO EST2	3.102	31.06	2890.7	SUELO EST1	3.052	30.47	2929.8
	VEGETAL	3.169	31.69	3029.1				
1000.000	FIRME	5.663	56.59	5712.2	D TIERRA	2.017	17.95	3415.1
	SUELO EST2	3.060	30.68	2921.4	SUELO EST1	3.039	30.32	2960.2
	VEGETAL	3.138	31.40	3060.5				
1010.000	FIRME	5.683	56.42	5768.6	D TIERRA	2.637	23.07	3438.2
	SUELO EST2	2.988	30.09	2951.5	SUELO EST1	3.003	30.04	2990.2
	VEGETAL	3.091	30.99	3091.5				
1020.000	FIRME	5.702	56.56	5825.2	D TIERRA	3.441	30.10	3468.3
	SUELO EST2	2.749	28.50	2980.0	SUELO EST1	2.868	29.16	3019.4
	VEGETAL	2.933	29.93	3121.4				
1030.000	FIRME	5.713	56.64	5881.8	D TIERRA	3.791	35.77	3504.1
	SUELO EST2	2.840	27.74	3007.7	SUELO EST1	2.925	28.75	3048.1
	VEGETAL	2.982	29.35	3150.8				
1040.000	FIRME	5.747	56.80	5938.6	D TIERRA	2.642	31.72	3535.8
	SUELO EST2	2.973	28.84	3036.5	SUELO EST1	2.966	29.21	3077.3
	TERRAPLEN	0.009	0.04	125.1	VEGETAL	3.082	30.07	3180.9
1041.259	FIRME	5.751	7.17	5945.8	D TIERRA	2.374	3.10	3538.9
	SUELO EST2	2.981	3.72	3040.3	SUELO EST1	2.970	3.70	3081.0
	TERRAPLEN	0.027	0.02	125.1	VEGETAL	3.090	3.85	3184.7
1050.000	FIRME	5.754	49.81	5995.6	D TIERRA	1.474	16.49	3555.4
	SUELO EST2	3.081	26.27	3066.5	SUELO EST1	3.040	26.02	3107.0
	TERRAPLEN	0.225	1.10	126.2	VEGETAL	3.179	27.16	3211.9
1060.000	FIRME	5.754	57.00	6052.6	D TIERRA	0.324	8.78	3564.1
	SUELO EST2	3.233	31.28	3097.8	SUELO EST1	3.080	30.30	3137.3
	TERRAPLEN	1.818	10.21	136.4	VEGETAL	3.345	32.33	3244.2
1070.000	FIRME	5.754	57.01	6109.6	D TIERRA	0.000	1.57	3565.7
	SUELO EST2	3.285	32.27	3130.1	SUELO EST1	3.079	30.49	3167.8
	TERRAPLEN	4.821	33.09	169.5	VEGETAL	3.529	34.05	3278.2
1080.000	FIRME	5.754	57.01	6166.6	SUELO EST2	3.284	32.52	3162.6
	SUELO EST1	3.081	30.49	3198.3	TERRAPLEN	8.583	66.66	236.2
	VEGETAL	3.719	35.91	3314.2				

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 10
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
***** cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1090.000	FIRME	5.754	57.00	6223.6	SUELO EST2	3.284	32.52	3195.1
	SUELO EST1	3.081	30.50	3228.8	TERRAPLEN	13.629	110.32	346.5
	VEGETAL	3.964	38.07	3352.2				
1100.000	FIRME	5.754	57.00	6280.6	SUELO EST2	3.284	32.51	3227.6
	SUELO EST1	3.080	30.50	3259.3	TERRAPLEN	19.739	165.63	512.1
	VEGETAL	4.253	40.71	3392.9				
1110.000	FIRME	5.754	57.00	6337.6	SUELO EST2	3.285	32.52	3260.1
	SUELO EST1	3.080	30.49	3289.8	TERRAPLEN	27.497	234.34	746.4
	VEGETAL	4.603	43.88	3436.8				
1120.000	FIRME	5.754	57.00	6394.6	SUELO EST2	3.284	32.52	3292.7
	SUELO EST1	3.080	30.49	3320.3	TERRAPLEN	34.902	309.14	1055.6
	VEGETAL	4.831	46.72	3483.5				
1130.000	FIRME	5.754	57.01	6451.6	SUELO EST2	3.284	32.51	3325.2
	SUELO EST1	3.080	30.50	3350.8	TERRAPLEN	46.378	402.36	1457.9
	VEGETAL	5.142	49.34	3532.9				
1140.000	FIRME	5.754	57.00	6508.6	SUELO EST2	3.284	32.51	3357.7
	SUELO EST1	3.081	30.50	3381.3	TERRAPLEN	58.884	521.33	1979.3
	VEGETAL	5.648	53.40	3586.3				
1150.000	FIRME	5.754	57.00	6565.6	SUELO EST2	3.284	32.52	3390.2

1160.000	SUELO EST1	3.080	30.50	3411.8	TERRAPLEN	65.045	613.63	2592.9
	VEGETAL	5.844	56.88	3643.2				
	FIRME	5.754	57.01	6622.6	SUELO EST2	3.284	32.52	3422.7
1170.000	SUELO EST1	3.081	30.50	3442.3	TERRAPLEN	76.153	699.58	3292.5
	VEGETAL	6.155	59.42	3702.6				
	FIRME	5.742	56.94	6679.6	SUELO EST2	3.280	32.50	3455.2
1180.000	SUELO EST1	3.077	30.48	3472.8	TERRAPLEN	78.912	769.35	4061.8
	VEGETAL	6.414	62.33	3764.9				
	FIRME	5.589	56.13	6735.7	SUELO EST2	3.212	32.15	3487.4
1190.000	SUELO EST1	3.011	30.14	3502.9	TERRAPLEN	76.482	771.18	4833.0
	VEGETAL	6.390	63.54	3828.4				
	FIRME	5.684	55.84	6791.5	SUELO EST2	3.262	32.05	3519.4
1193.642	SUELO EST1	3.062	30.07	3533.0	TERRAPLEN	73.974	746.34	5579.3
	VEGETAL	6.255	62.71	3891.1				
	FIRME	5.812	20.73	6812.3	SUELO EST2	3.324	11.87	3531.3
	SUELO EST1	3.123	11.15	3544.1	TERRAPLEN	66.803	253.81	5833.2
	VEGETAL	5.906	21.91	3913.1				

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 11
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL				VOLUMEN			
-----				-----			
FIRME				6812.3			
D TIERRA				3565.7			
SUELO EST2				3531.3			
SUELO EST1				3544.1			
TERRAPLEN				5833.2			
VEGETAL				3913.1			

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 1
PROYECTO :
EJE: 52: V de servicio Izq. P.K 102+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	15.067	0.00	0.0	D TIERRA	17.144	0.00	0.0
	SUELO EST2	7.423	0.00	0.0	SUELO EST1	7.548	0.00	0.0
	TERRAPLEN	0.033	0.00	0.0	EXCAVA SANO	0.302	0.00	0.0
10.000	TERRAP SANO	0.302	0.00	0.0	VEGETAL	7.697	0.00	0.0
	FIRME	8.150	113.37	113.4	D TIERRA	0.000	82.85	82.9
	SUELO EST2	4.575	58.61	58.6	SUELO EST1	4.388	58.29	58.3
20.000	TERRAPLEN	39.539	195.44	195.4	EXCAVA SANO	28.168	140.68	140.7
	TERRAP SANO	28.168	140.68	140.7	VEGETAL	5.869	66.25	66.2
	FIRME	6.746	74.13	187.5	SUELO EST2	3.873	42.05	100.7
30.000	SUELO EST1	3.686	40.19	98.5	TERRAPLEN	13.784	264.40	459.8
	EXCAVA SANO	21.069	244.79	385.5	TERRAP SANO	21.069	244.79	385.5
	VEGETAL	4.389	51.00	117.2				
40.000	FIRME	6.736	67.39	254.9	SUELO EST2	3.869	38.70	139.4
	SUELO EST1	3.680	36.82	135.3	TERRAPLEN	40.132	270.79	730.6
	EXCAVA SANO	25.736	234.50	620.0	TERRAP SANO	25.736	234.50	620.0
50.000	VEGETAL	5.362	48.86	166.1				
	FIRME	6.742	67.34	322.2	SUELO EST2	3.871	38.67	178.0
	SUELO EST1	3.684	36.80	172.1	TERRAPLEN	35.974	382.71	1113.3
60.000	EXCAVA SANO	25.045	254.73	874.7	TERRAP SANO	25.045	254.73	874.

110.000	EXCAVA SANE0	19.581	199.04	2200.9	TERRAP SANE0	19.581	199.04	2200.9
	VEGETAL	4.079	41.47	495.5				
	FIRME	6.769	67.65	792.9	SUELO EST2	3.810	38.14	447.3
	SUELO EST1	3.697	36.95	429.7	TERRAPLEN	4.359	54.57	2347.5
120.000	EXCAVA SANE0	19.155	193.88	2394.8	TERRAP SANE0	19.155	193.88	2394.8
	VEGETAL	3.991	40.39	535.9				
	FIRME	6.776	67.72	860.6	SUELO EST2	3.840	38.25	485.6
	SUELO EST1	3.701	36.99	466.7	TERRAPLEN	3.356	38.74	2386.3
128.903	EXCAVA SANE0	18.968	190.69	2585.5	TERRAP SANE0	18.968	190.69	2585.5
	VEGETAL	3.952	39.73	575.6				
	FIRME	6.783	60.36	920.9	SUELO EST2	3.882	34.37	520.0
	SUELO EST1	3.705	32.96	499.7	TERRAPLEN	3.557	30.80	2417.1
130.000	EXCAVA SANE0	19.039	169.20	2754.7	TERRAP SANE0	19.039	169.20	2754.7
	VEGETAL	3.967	35.26	610.9				
	FIRME	6.784	7.44	928.4	SUELO EST2	3.885	4.26	524.2
	SUELO EST1	3.705	4.06	503.7	TERRAPLEN	3.592	3.92	2421.0
140.000	EXCAVA SANE0	19.050	20.89	2775.6	TERRAP SANE0	19.050	20.89	2775.6
	VEGETAL	3.969	4.35	615.2				
	FIRME	6.794	67.89	996.3	SUELO EST2	3.895	38.90	563.1
	SUELO EST1	3.710	37.07	540.8	TERRAPLEN	4.027	38.09	2459.1
150.000	EXCAVA SANE0	19.164	191.06	2966.7	TERRAP SANE0	19.164	191.06	2966.7
	VEGETAL	3.993	39.81	655.0				
	FIRME	6.807	67.99	1064.3	SUELO EST2	3.885	38.89	602.0
	SUELO EST1	3.716	37.12	577.9	TERRAPLEN	4.376	42.11	2501.2
	EXCAVA SANE0	19.254	192.12	3158.8	TERRAP SANE0	19.254	192.12	3158.8
	VEGETAL	4.012	40.03	695.1				

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :

EJE: 52: V^{de} de servicio Izq. P.K 102+200

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

160.000	FIRME	6.821	68.11	1132.4	SUELO EST2	3.880	38.81	640.8
	SUELO EST1	3.723	37.18	615.1	TERRAPLEN	5.405	49.22	2550.4
	EXCAVA SANE0	19.486	193.80	3352.6	TERRAP SANE0	19.486	193.80	3352.6
	VEGETAL	4.060	40.38	735.5				
170.000	FIRME	6.813	68.11	1200.5	SUELO EST2	3.821	38.49	679.3
	SUELO EST1	3.723	37.20	652.3	TERRAPLEN	5.162	53.49	2603.9
	EXCAVA SANE0	19.406	194.70	3547.3	TERRAP SANE0	19.406	194.70	3547.3
	VEGETAL	4.043	40.57	776.0				
180.000	FIRME	6.806	68.02	1268.5	SUELO EST2	3.914	38.65	718.0
	SUELO EST1	3.725	37.20	689.5	TERRAPLEN	14.310	98.29	2702.2
	EXCAVA SANE0	21.104	202.86	3750.1	TERRAP SANE0	21.104	202.86	3750.1
	VEGETAL	4.398	42.27	818.3				
184.480	FIRME	6.803	30.44	1298.9	SUELO EST2	3.915	17.51	735.5
	SUELO EST1	3.725	16.67	706.2	TERRAPLEN	18.381	74.03	2776.2
	EXCAVA SANE0	22.036	96.91	3847.1	TERRAP SANE0	22.036	96.91	3847.1
	VEGETAL	4.591	20.19	838.5				
190.000	FIRME	6.803	37.49	1336.4	SUELO EST2	3.915	21.57	757.0
	SUELO EST1	3.725	20.53	726.7	TERRAPLEN	20.901	109.75	2886.0
	EXCAVA SANE0	22.410	123.12	3970.2	TERRAP SANE0	22.410	123.12	3970.2
	VEGETAL	4.669	25.65	864.1				
200.000	FIRME	6.825	68.02	1404.5	D TIERRA	4.560	22.39	105.2
	SUELO EST2	3.494	37.06	794.1	SUELO EST1	3.516	36.21	762.9
	TERRAPLEN	0.076	105.97	2991.9	EXCAVA SANE0	17.825	201.54	4171.7
	TERRAP SANE0	17.825	201.54	4171.7	VEGETAL	3.714	41.99	906.1
202.056	FIRME	7.273	14.44	1418.9	D TIERRA	9.985	14.69	119.9
	SUELO EST2	3.635	7.34	801.4	SUELO EST1	3.704	7.42	770.3
	TERRAPLEN	0.057	0.14	2992.1	EXCAVA SANE0	18.912	37.70	4209.4
	TERRAP SANE0	18.912	37.70	4209.4	VEGETAL	3.965	7.88	914.0

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :

EJE: 52: V^{de} de servicio Izq. P.K 102+200

pagina 4

* * * RESUMEN DE VOLUMENES TOTALES * * *									

MATERIAL					VOLUMEN				
-----					-----				
FIRME					1418.9				
D TIERRA					119.9				
SUELO EST2					801.4				
SUELO EST1					770.3				
TERRAPLEN					2992.1				
EXCAVA SANE0					4209.4				
TERRAP SANE0					4209.4				
VEGETAL					914.0				

Istram 18.05.05.29 24/01/19 11:46:22 459

PROYECTO :

EJE: 58: V^{de} de servicio Izq. P.K. 114+900

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	FIRME	3.607	0.00	0.0	D TIERRA	6.761	0.00	0.0
	SUELO SEL 2	1.618	0.00	0.0	SUELO SEL 1	1.744	0.00	0.0
10.000	FIRME	3.615	36.11	36.1	D TIERRA	6.516	66.38	66.4
	SUELO SEL 2	1.623	16.21	16.2	SUELO SEL 1	1.748	17.46	17.5
20.000	FIRME	3.665	36.40	72.5	D TIERRA	6.324	64.20	130.6
	SUELO SEL 2	1.654	16.38	32.6	SUELO SEL 1	1.779	17.64	35.1
30.000	FIRME	3.595	36.30	108.8	D TIERRA	6.537	64.30	194.9
	SUELO SEL 2	1.613	16.34	48.9	SUELO SEL 1	1.738	17.59	52.7

40.000	FIRME	3.669	36.32	145.1	D TIERRA	6.585	65.61	260.5
	SUELO SEL 2	1.658	16.36	65.3	SUELO SEL 1	1.783	17.61	70.3
50.000	FIRME	3.758	37.14	182.3	D TIERRA	6.408	64.97	325.5
	SUELO SEL 2	1.726	16.92	82.2	SUELO SEL 1	1.851	18.17	88.5
60.000	FIRME	3.826	37.92	220.2	D TIERRA	6.136	62.72	388.2
	SUELO SEL 2	1.800	17.63	99.8	SUELO SEL 1	1.926	18.89	107.3
70.000	FIRME	3.819	38.22	258.4	D TIERRA	5.984	60.60	448.8
	SUELO SEL 2	1.795	17.98	117.8	SUELO SEL 1	1.920	19.23	126.6
80.000	FIRME	3.811	38.15	296.6	D TIERRA	5.678	58.31	507.1
	SUELO SEL 2	1.787	17.91	135.7	SUELO SEL 1	1.913	19.16	145.7
90.000	FIRME	3.805	38.08	334.6	D TIERRA	5.357	55.18	562.3
	SUELO SEL 2	1.776	17.81	153.5	SUELO SEL 1	1.902	19.07	164.8
100.000	FIRME	3.776	37.90	372.5	D TIERRA	5.489	54.23	616.5
	SUELO SEL 2	1.745	17.60	171.1	SUELO SEL 1	1.870	18.86	183.7
110.000	FIRME	3.745	37.60	410.1	D TIERRA	5.735	56.12	672.6
	SUELO SEL 2	1.715	17.30	188.4	SUELO SEL 1	1.840	18.55	202.2
120.000	FIRME	3.719	37.32	447.5	D TIERRA	5.776	57.55	730.2
	SUELO SEL 2	1.693	17.04	205.5	SUELO SEL 1	1.818	18.29	220.5
130.000	FIRME	3.730	37.24	484.7	D TIERRA	6.224	60.00	790.2
	SUELO SEL 2	1.702	16.97	222.4	SUELO SEL 1	1.827	18.22	238.7
140.000	FIRME	3.711	37.20	521.9	D TIERRA	6.244	62.34	852.5
	SUELO SEL 2	1.687	16.94	239.4	SUELO SEL 1	1.812	18.19	256.9
150.000	FIRME	3.704	37.07	559.0	D TIERRA	6.117	61.81	914.3
	SUELO SEL 2	1.682	16.84	256.2	SUELO SEL 1	1.807	18.09	275.0
160.000	FIRME	3.604	36.54	595.5	D TIERRA	6.087	61.02	975.3
	SUELO SEL 2	1.617	16.50	272.7	SUELO SEL 1	1.742	17.74	292.8
170.000	FIRME	3.577	35.90	631.4	D TIERRA	6.367	62.27	1037.6
	SUELO SEL 2	1.601	16.09	288.8	SUELO SEL 1	1.726	17.34	310.1
180.000	FIRME	3.579	35.78	667.2	D TIERRA	6.366	63.66	1101.3
	SUELO SEL 2	1.602	16.01	304.8	SUELO SEL 1	1.727	17.26	327.4

Istram 18.05.05.29 24/01/19 11:46:22 459

PROYECTO :

EJE: 58: V^{de} de servicio Izq. P.K. 114+900

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

190.000	FIRME	3.654	36.17	703.4	D TIERRA	6.562	64.64	1165.9
	SUELO SEL 2	1.652	16.27	321.1	SUELO SEL 1	1.777	17.52	344.9
200.000	FIRME	3.645	36.50	739.9	D TIERRA	6.718	66.40	1232.3
	SUELO SEL 2	1.644	16.48	337.6	SUELO SEL 1	1.769	17.73	362.6
210.000	FIRME	3.657	36.51	776.4	D TIERRA	6.694	67.06	1299.4
	SUELO SEL 2	1.649	16.47	354.1	SUELO SEL 1	1.775	17.72	380.3
220.000	FIRME	3.714	36.85	813.2	D TIERRA	6.615	66.55	1365.9
	SUELO SEL 2	1.689	16.69	370.7	SUELO SEL 1	1.814	17.94	398.3
230.000	FIRME	3.783	37.48	850.7	D TIERRA	6.283	64.49	1430.4
	SUELO SEL 2	1.749	17.19	387.9	SUELO SEL 1	1.874	18.44	416.7
240.000	FIRME	3.836	38.09	888.8	D TIERRA	5.988	61.35	1491.8
	SUELO SEL 2	1.823	17.86	405.8	SUELO SEL 1	1.948	19.11	435.8
250.000	FIRME	3.771	38.04	926.8	D TIERRA	5.020	55.04	1546.8
	SUELO SEL 2	1.808	18.16	423.9	SUELO SEL 1	1.932	19.40	455.2
260.000	FIRME	3.876	38.24	965.1	D TIERRA	5.619	53.20	1600.0
	SUELO SEL 2	1.978	18.93	442.9	SUELO SEL 1	2.095	20.13	475.4
270.000	FIRME	3.871	38.74	1003.8	D TIERRA	5.822	57.21	1657.2
	SUELO SEL 2	1.893	19.35	462.2	SUELO SEL 1	2.018	20.56	495.9
280.000	FIRME	3.753	38.12	1041.9	D TIERRA	5.517	56.69	1713.9
	SUELO SEL 2	1.748	18.20	480.4	SUELO SEL 1	1.872	19.45	515.4
290.000	FIRME	3.849	38.01	1079.9	D TIERRA	5.827	56.72	1770.6
	SUELO SEL 2	1.834	17.91	498.3	SUELO SEL 1	1.960	19.16	534.5
300.000	FIRME	3.792	38.20	1118.1	D TIERRA	6.135	59.81	1830.4
	SUELO SEL 2	1.763	17.98	516.3	SUELO SEL 1	1.888	19.24	553.8
310.000	FIRME	3.803	37.98	1156.1	D TIERRA	6.358	62.46	1892.9
	SUELO SEL 2	1.770	17.66	534.0	SUELO SEL 1	1.895	18.91	572.7
320.000	FIRME	3.785	37.94	1194.1	D TIERRA	6.509	64.33	1957.2
	SUELO SEL 2	1.753	17.61	551.6	SUELO SEL 1	1.878	18.86	591.5
330.000	FIRME	3.768	37.77	1231.8	D TIERRA	6.582	65.46	2022.7
	SUELO SEL 2	1.735	17.44	569.0	SUELO SEL 1	1.860	18.69	610.2
340.000	FIRME	3.765	37.67	1269.5	D TIERRA	6.317	64.49	2087.2
	SUELO SEL 2	1.732	17.34	586.4	SUELO SEL 1	1.857	18.59	628.8
350.000	FIRME	3.769	37.67	1307.2	D TIERRA	6.285	63.01	2150.2
	SUELO SEL 2	1.735	17.33	603.7	SUELO SEL 1	1.860	18.59	647.4
360.000	FIRME	3.795	37.82	1345.0	D TIERRA	6.267	62.76	2212.9
	SUELO SEL 2	1.769	17.52	621.2	SUELO SEL 1	1.894	18.77	666.2
370.000	FIRME	3.785	37.90	1382.9	D TIERRA	6.071	61.69	2274.6
	SUELO SEL 2	1.754	17.62	638.8	SUELO SEL 1	1.880	18.87	685.0

440.000	FIRME	3.831	37.87	1648.9	D TIERRA	5.879	58.28	2698.8
	SUELO SEL 2	1.806	17.63	764.5	SUELO SEL 1	1.931	18.88	819.5
450.000	FIRME	3.703	37.67	1686.6	D TIERRA	5.854	58.66	2757.5
	SUELO SEL 2	1.687	17.46	782.0	SUELO SEL 1	1.811	18.71	838.2
460.000	FIRME	3.645	36.74	1723.3	D TIERRA	5.853	58.53	2816.0
	SUELO SEL 2	1.644	16.65	798.6	SUELO SEL 1	1.769	17.90	856.1
470.000	FIRME	3.624	36.35	1759.7	D TIERRA	5.752	58.02	2874.0
	SUELO SEL 2	1.629	16.36	815.0	SUELO SEL 1	1.754	17.61	873.7
480.000	FIRME	3.611	36.17	1795.9	D TIERRA	5.806	57.79	2931.8
	SUELO SEL 2	1.621	16.25	831.2	SUELO SEL 1	1.746	17.50	891.2
490.000	FIRME	3.606	36.08	1831.9	D TIERRA	5.986	58.96	2990.8
	SUELO SEL 2	1.619	16.20	847.4	SUELO SEL 1	1.744	17.45	908.6
500.000	FIRME	3.627	36.16	1868.1	D TIERRA	5.940	59.63	3050.4
	SUELO SEL 2	1.632	16.25	863.7	SUELO SEL 1	1.757	17.50	926.1
510.000	FIRME	3.663	36.45	1904.6	D TIERRA	5.806	58.73	3109.1
	SUELO SEL 2	1.656	16.44	880.1	SUELO SEL 1	1.781	17.69	943.8
520.000	FIRME	3.634	36.48	1941.0	D TIERRA	5.994	59.00	3168.1
	SUELO SEL 2	1.634	16.45	896.6	SUELO SEL 1	1.759	17.70	961.5
530.000	FIRME	3.609	36.21	1977.3	D TIERRA	6.093	60.44	3228.6
	SUELO SEL 2	1.619	16.27	912.8	SUELO SEL 1	1.744	17.51	979.0
540.000	FIRME	3.581	35.95	2013.2	D TIERRA	6.133	61.13	3289.7
	SUELO SEL 2	1.603	16.11	928.9	SUELO SEL 1	1.728	17.36	996.4
550.000	FIRME	3.593	35.87	2049.1	D TIERRA	5.988	60.61	3350.3
	SUELO SEL 2	1.611	16.07	945.0	SUELO SEL 1	1.737	17.32	1013.7
560.000	FIRME	3.609	36.01	2085.1	D TIERRA	5.910	59.49	3409.8
	SUELO SEL 2	1.624	16.18	961.2	SUELO SEL 1	1.749	17.43	1031.1

Istram 18.05.05.29 24/01/19 11:46:22 459 pagina 4
PROYECTO :
EJE: 58: V微 de servicio Izq. P.K. 114+900

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
570.000	FIRME	3.620	36.14	2121.2	D TIERRA	5.716	58.13	3467.9
	SUELO SEL 2	1.632	16.28	977.5	SUELO SEL 1	1.757	17.53	1048.7
580.000	FIRME	3.631	36.25	2157.5	D TIERRA	5.660	56.88	3524.8
	SUELO SEL 2	1.639	16.36	993.8	SUELO SEL 1	1.764	17.61	1066.3
590.000	FIRME	3.648	36.39	2193.9	D TIERRA	5.725	56.93	3581.7
	SUELO SEL 2	1.651	16.45	1010.3	SUELO SEL 1	1.776	17.70	1084.0
600.000	FIRME	3.656	36.52	2230.4	D TIERRA	5.620	56.72	3638.5
	SUELO SEL 2	1.659	16.55	1026.8	SUELO SEL 1	1.784	17.80	1101.8
610.000	FIRME	3.658	36.57	2267.0	D TIERRA	5.669	56.45	3694.9
	SUELO SEL 2	1.659	16.59	1043.4	SUELO SEL 1	1.784	17.84	1119.6
620.000	FIRME	3.666	36.62	2303.6	D TIERRA	5.816	57.43	3752.3
	SUELO SEL 2	1.660	16.59	1060.0	SUELO SEL 1	1.785	17.84	1137.5
630.000	FIRME	3.686	36.76	2340.3	D TIERRA	5.744	57.80	3810.1
	SUELO SEL 2	1.673	16.67	1076.7	SUELO SEL 1	1.797	17.91	1155.4
640.000	FIRME	3.700	36.93	2377.3	D TIERRA	5.575	56.59	3866.7
	SUELO SEL 2	1.682	16.78	1093.5	SUELO SEL 1	1.807	18.02	1173.4
650.000	FIRME	3.696	36.98	2414.3	D TIERRA	5.526	55.50	3922.2
	SUELO SEL 2	1.678	16.80	1110.3	SUELO SEL 1	1.802	18.04	1191.4
660.000	FIRME	3.701	36.99	2451.2	D TIERRA	5.608	55.67	3977.9
	SUELO SEL 2	1.682	16.80	1127.1	SUELO SEL 1	1.805	18.03	1209.5
670.000	FIRME	3.646	36.74	2488.0	D TIERRA	5.609	56.08	4034.0
	SUELO SEL 2	1.646	16.64	1143.7	SUELO SEL 1	1.769	17.87	1227.3
680.000	FIRME	3.618	36.32	2524.3	D TIERRA	5.771	56.90	4090.9
	SUELO SEL 2	1.628	16.37	1160.1	SUELO SEL 1	1.751	17.60	1244.9
690.000	FIRME	3.614	36.16	2560.5	D TIERRA	5.955	58.63	4149.5
	SUELO SEL 2	1.625	16.26	1176.3	SUELO SEL 1	1.748	17.50	1262.4
700.000	FIRME	3.544	35.79	2596.2	D TIERRA	6.065	60.10	4209.6
	SUELO SEL 2	1.586	16.05	1192.4	SUELO SEL 1	1.709	17.28	1279.7
710.000	FIRME	3.607	35.75	2632.0	D TIERRA	6.180	61.22	4270.8
	SUELO SEL 2	1.622	16.04	1208.4	SUELO SEL 1	1.744	17.27	1297.0
720.000	FIRME	3.615	36.11	2668.1	D TIERRA	6.152	61.66	4332.5
	SUELO SEL 2	1.626	16.24	1224.6	SUELO SEL 1	1.749	17.47	1314.4
730.000	FIRME	3.609	36.12	2704.2	D TIERRA	6.152	61.52	4394.0
	SUELO SEL 2	1.622	16.24	1240.9	SUELO SEL 1	1.745	17.47	1331.9
738.787	FIRME	3.628	31.79	2736.0	D TIERRA	6.272	54.58	4448.6
	SUELO SEL 2	1.642	14.34	1255.2	SUELO SEL 1	1.765	15.42	1347.3

Istram 18.05.05.29 24/01/19 11:46:22 459 pagina 5
PROYECTO :
EJE: 58: V微 de servicio Izq. P.K. 114+900

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
MATERIAL		VOLUMEN						
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FIRME		2736.0						
D TIERRA		4448.6						
SUELO SEL 2		1255.2						
SUELO SEL 1		1347.3						

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 1
PROYECTO :
EJE: 59: V微 de servicio Izq. P.K. 116+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.470	0.00	0.0	D TIERRA	7.525	0.00	0.0
	SUELO EST2	2.019	0.00	0.0	SUELO EST1	2.142	0.00	0.0
	TERRAPLEN	0.041	0.00	0.0	EXCAVA SANEO	0.086	0.00	0.0
	TERRAP SANEO	0.086	0.00	0.0	VEGETAL	2.020	0.00	0.0

10.000	FIRME	4.465	44.68	44.7	D TIERRA	7.582	75.54	75.5
	SUELO EST2	2.017	20.18	20.2	SUELO EST1	2.140	21.41	21.4
	TERRAPLEN	0.041	0.41	0.4	EXCAVA SANEO	0.086	0.86	0.9
	TERRAP SANEO	0.086	0.86	0.9	VEGETAL	2.018	20.19	20.2
20.000	FIRME	4.430	44.48	89.2	D TIERRA	7.493	75.38	150.9
	SUELO EST2	1.997	20.07	40.2	SUELO EST1	2.120	21.30	42.7
	TERRAPLEN	0.041	0.41	0.8	EXCAVA SANEO	0.087	0.86	1.7
	TERRAP SANEO	0.087	0.86	1.7	VEGETAL	1.997	20.08	40.3
30.000	FIRME	4.405	44.18	133.3	D TIERRA	7.702	75.98	226.9
	SUELO EST2	1.983	19.90	60.1	SUELO EST1	2.106	21.13	63.8
	TERRAPLEN	0.040	0.40	1.2	EXCAVA SANEO	0.087	0.86	2.6
	TERRAP SANEO	0.087	0.86	2.6	VEGETAL	1.975	19.86	60.1
40.000	FIRME	4.387	43.96	177.3	D TIERRA	7.770	77.36	304.3
	SUELO EST2	1.972	19.77	79.9	SUELO EST1	2.095	21.01	84.8
	TERRAPLEN	0.039	0.40	1.6	EXCAVA SANEO	0.080	0.83	3.4
	TERRAP SANEO	0.080	0.83	3.4	VEGETAL	1.952	19.64	79.8
50.000	FIRME	4.414	44.00	221.3	D TIERRA	7.761	77.65	381.9
	SUELO EST2	1.988	19.80	99.7	SUELO EST1	2.111	21.03	105.9
	TERRAPLEN	0.032	0.36	2.0	EXCAVA SANEO	4.362	22.21	25.6
	TERRAP SANEO	4.362	22.21	25.6	VEGETAL	1.959	19.56	99.3
60.000	FIRME	4.386	44.00	265.3	D TIERRA	7.594	76.78	458.7
	SUELO EST2	1.971	19.80	119.5	SUELO EST1	2.094	21.02	126.9
	TERRAPLEN	0.038	0.35	2.3	EXCAVA SANEO	0.079	22.20	47.8
	TERRAP SANEO	0.079	22.20	47.8	VEGETAL	1.951	19.55	118.9
70.000	FIRME	4.382	43.84	309.1	D TIERRA	7.379	74.87	533.6
	SUELO EST2	1.969	19.70	139.2	SUELO EST1	2.091	20.93	147.8
	TERRAPLEN	0.039	0.39	2.7	EXCAVA SANEO	0.081	0.80	48.6
	TERRAP SANEO	0.081	0.80	48.6	VEGETAL	1.953	19.52	138.4
80.000	FIRME	4.433	44.07	353.2	D TIERRA	7.476	74.28	607.8
	SUELO EST2	1.998	19.84	159.1	SUELO EST1	2.122	21.07	168.9
	TERRAPLEN	0.040	0.40	3.1	EXCAVA SANEO	0.084	0.83	49.5
	TERRAP SANEO	0.084	0.83	49.5	VEGETAL	1.990	19.71	158.1

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 2
PROYECTO :
EJE: 59: V微 de servicio Izq. P.K. 116+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	4.406	44.19	397.4	D TIERRA	7.374	74.25	682.1
	SUELO EST2	1.983	19.91	179.0	SUELO EST1	2.106	21.14	190.0
	TERRAPLEN	0.040	0.40	3.5	EXCAVA SANEO	0.084	0.84	50.3
	TERRAP SANEO	0.084	0.84	50.3	VEGETAL	1.974	19.82	177.9
100.000	FIRME	4.091	42.49	439.9	D TIERRA	6.922	71.48	753.6
	SUELO EST2	1.848	19.16	198.1	SUELO EST1	1.971	20.39	210.4
	TERRAPLEN	0.021	0.31	3.8	EXCAVA SANEO	0.000	0.42	50.7
	TERRAP SANEO	0.000	0.42	50.7	VEGETAL	1.787	18.81	196.7
110.000	FIRME	4.110	41.01	480.9	D TIERRA	6.970	69.47	823.0
	SUELO EST2	1.861	18.54	216.7	SUELO EST1	1.984	19.77	230.2
	TERRAPLEN	0.021	0.21	4.0	VEGETAL	1.803	17.95	214.7
		4.132	41.21	522.1	D TIERRA	6.956	69.64	892.7
120.000	SUELO EST2	1.876	18.68	235.3	SUELO EST1	1.999	19.92	250.1
	TERRAPLEN	0.022	0.22	4.2	VEGETAL	1.820	18.12	232.8
	FIRME	4.156	41.44	563.5	D TIERRA	6.542	67.50	960.2
	SUELO EST2	1.896	18.86	254.2	SUELO EST1	2.019	20.09	270.2
130.000	TERRAPLEN	0.022	0.22	4.5	VEGETAL	1.835	18.28	251.1
	FIRME	4.152	41.54	605.1	D TIERRA	6.582	65.63	1025.8
	SUELO EST2	1.892	18.94	273.1	SUELO EST1	2.015	20.17	290.4
	TERRAPLEN	0.022	0.22	4.7	VEGETAL	1.832	18.34	269.4
150.000	FIRME	4.113	41.33	646.4	D TIERRA	6.907	67.45	1093.2
	SUELO EST2	1.862	18.77	291.9	SUELO EST1	1.985	20.00	310.4
	TERRAPLEN	0.022	0.22	4.9	VEGETAL	1.805	18.18	287.6
	FIRME	4.104	41.08	687.5	D TIERRA	6.848	68.78	1162.0
160.000	SUELO EST2	1.856	18.59	310.5	SUELO EST1	1.979	19.82	330.2
	TERRAPLEN	0.021	0.22	5.1	VEGETAL	1.797	18.01	305.6
	FIRME	4.121	41.13	728.6	D TIERRA	6.478	66.64	1228.7
	SUELO EST2	1.868	18.62	329.1	SUELO EST1	1.990	19.85	350.0
170.000	TERRAPLEN	0.022	0.22	5.3	VEGETAL	1.797	17.97	323.6
	FIRME	4.121	41.21	769.8	D TIERRA	6.184	63.32	1292.0
	SUELO EST2	1.867	18.68	347.8	SUELO EST1	1.991	19.91	369.9
	TERRAPLEN	0.003	0.12	5.4	EXCAVA SANEO	0.009	0.04	50.8
180.000	TERRAP SANEO	0.009	0.04	50.8	VEGETAL	1.766	17.81	341.4
	FIRME	4.108	41.15	811.0	D TIERRA	6.116	61.50	1353.5
	SUELO EST2	1.859	18.63	366.4	SUELO EST1	1.982	19.87	389.8
	TERRAPLEN	0.006	0.04	5.5	EXCAVA SANEO	0.022	0.15	50.9
190.000	TERRAP SANEO	0.022	0.15	50.9	VEGETAL	1.756	17.61	359.0

230.000	SUELO EST2	1.867	18.65	422.3	SUELO EST1	1.990	19.88	449.3
	TERRAPLEN	0.012	0.11	5.7	EXCAVA SANE0	0.051	0.44	51.9
	TERRAP SANE0	0.051	0.44	51.9	VEGETAL	1.755	17.55	411.6
	FIRME	4.360	42.40	976.7	D TIERRA	6.094	59.56	1592.6
	SUELO EST2	1.955	19.11	441.4	SUELO EST1	2.078	20.34	469.7
240.000	TERRAPLEN	0.038	0.25	6.0	EXCAVA SANE0	4.257	21.54	73.5
	TERRAP SANE0	4.257	21.54	73.5	VEGETAL	1.898	18.27	429.9
	FIRME	4.393	43.76	1020.5	D TIERRA	6.233	61.64	1654.2
	SUELO EST2	1.976	19.65	461.0	SUELO EST1	2.098	20.88	490.5
	TERRAPLEN	0.038	0.38	6.4	EXCAVA SANE0	4.310	42.84	116.3
250.000	TERRAP SANE0	4.310	42.84	116.3	VEGETAL	1.922	19.10	449.0
	FIRME	4.427	44.10	1064.6	D TIERRA	6.621	64.27	1718.5
	SUELO EST2	1.995	19.86	480.9	SUELO EST1	2.119	21.09	511.6
	TERRAPLEN	0.037	0.37	6.7	EXCAVA SANE0	4.360	43.35	159.7
	TERRAP SANE0	4.360	43.35	159.7	VEGETAL	1.946	19.34	468.3
260.000	FIRME	4.464	44.45	1109.0	D TIERRA	6.990	68.06	1786.5
	SUELO EST2	2.016	20.06	500.9	SUELO EST1	2.139	21.29	532.9
	TERRAPLEN	0.037	0.37	7.1	EXCAVA SANE0	4.411	43.86	203.5
	TERRAP SANE0	4.411	43.86	203.5	VEGETAL	1.968	19.57	487.9
	FIRME	4.502	44.83	1153.8	D TIERRA	7.268	71.29	1857.8
270.000	SUELO EST2	2.036	20.26	521.2	SUELO EST1	2.159	21.49	554.4
	TERRAPLEN	0.036	0.37	7.5	EXCAVA SANE0	4.460	44.35	247.9
	TERRAP SANE0	4.460	44.35	247.9	VEGETAL	1.991	19.80	507.7
	FIRME	4.544	45.23	1199.1	D TIERRA	7.489	73.78	1931.6
	SUELO EST2	2.056	20.46	541.7	SUELO EST1	2.179	21.69	576.1
280.000	TERRAPLEN	0.034	0.35	7.8	EXCAVA SANE0	4.511	44.86	292.7
	TERRAP SANE0	4.511	44.86	292.7	VEGETAL	2.017	20.04	527.8

Istram 18.05.05.29 12/07/18 20:58:24 459

PROYECTO :

EJE: 59: V^{de} de servicio Izq. P.K. 116+600

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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RFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA
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290.000	FIRME	4.544	45.44	1244.5	D TIERRA	7.469	74.79	2006.4
	SUELO EST2	2.056	20.56	562.2	SUELO EST1	2.179	21.79	597.9
	TERRAPLEN	0.028	0.31	8.1	EXCAVA SANE0	4.512	45.12	337.8
	TERRAP SANE0	4.512	45.12	337.8	VEGETAL	2.024	20.20	548.0
300.000	FIRME	4.545	45.44	1290.0	D TIERRA	7.535	75.02	2081.4
	SUELO EST2	2.056	20.56	582.8	SUELO EST1	2.179	21.79	619.7
	TERRAPLEN	0.031	0.30	8.4	EXCAVA SANE0	4.512	45.12	383.0
	TERRAP SANE0	4.512	45.12	383.0	VEGETAL	2.022	20.23	568.2
310.000	FIRME	4.544	45.45	1335.4	D TIERRA	7.735	76.35	2157.8
	SUELO EST2	2.056	20.56	603.3	SUELO EST1	2.179	21.79	641.5
	TERRAPLEN	0.022	0.26	8.7	EXCAVA SANE0	4.510	45.11	428.1
	TERRAP SANE0	4.510	45.11	428.1	VEGETAL	2.030	20.26	588.5
320.000	FIRME	4.544	45.44	1380.9	D TIERRA	7.614	76.74	2234.5
	SUELO EST2	2.056	20.56	623.9	SUELO EST1	2.179	21.79	663.3
	TERRAPLEN	0.028	0.25	9.0	EXCAVA SANE0	4.508	45.09	473.2
	TERRAP SANE0	4.508	45.09	473.2	VEGETAL	2.021	20.26	608.7
330.000	FIRME	4.545	45.45	1426.3	D TIERRA	7.449	75.31	2309.8
	SUELO EST2	2.056	20.56	644.5	SUELO EST1	2.179	21.79	685.0
	TERRAPLEN	0.031	0.29	9.2	EXCAVA SANE0	4.507	45.07	518.2
	TERRAP SANE0	4.507	45.07	518.2	VEGETAL	2.018	20.19	628.9
340.000	FIRME	4.545	45.45	1471.7	D TIERRA	7.443	74.46	2384.3
	SUELO EST2	2.056	20.56	665.0	SUELO EST1	2.179	21.79	706.8
	TERRAPLEN	0.034	0.32	9.6	EXCAVA SANE0	4.506	45.07	563.3
	TERRAP SANE0	4.506	45.07	563.3	VEGETAL	2.014	20.16	649.1
344.383	FIRME	4.545	19.92	1491.7	D TIERRA	7.367	32.46	2416.8
	SUELO EST2	2.056	9.01	674.0	SUELO EST1	2.179	9.55	716.4
	TERRAPLEN	0.035	0.15	9.7	EXCAVA SANE0	4.505	19.75	583.0
	TERRAP SANE0	4.505	19.75	583.0	VEGETAL	2.012	8.82	657.9

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 5

PROYECTO :

EJE: 59: V~~ia~~ de servicio Izq. P.K. 116+600

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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
FIRME	1491.7
D TIERRA	2416.8
SUELO EST2	674.0
SUELO EST1	716.4
TERRAPLEN	9.7
EXCAVA SANEO	583.0
TERRAP SANEO	583.0
VEGETAL	657.9

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina

PROYECTO :

EJE: 74: Vía de servicio Izq. P.K. 117+200

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.487	0.00	0.0	D TIERRA	7.216	0.00	0.0
	SUELO EST2	1.999	0.00	0.0	SUELO EST1	2.119	0.00	0.0
	TERRAPLEN	0.034	0.00	0.0	EXCAVA SANE0	4.389	0.00	0.0
	TERRAP SANE0	4.389	0.00	0.0	VEGETAL	1.958	0.00	0.0
10.000	FIRME	4.443	44.65	44.6	D TIERRA	6.820	70.18	70.2
	SUELO EST2	1.975	19.87	19.9	SUELO EST1	2.095	21.07	21.1

20.000	TERRAPLEN	0.036	0.35	0.4	EXCAVA SANO	4.324	43.57	43.6
	TERRAP SANO	4.324	43.57	43.6	VEGETAL	1.925	19.41	19.4
	FIRME	4.339	43.91	88.6	D TIERRA	6.294	65.57	135.8
	SUELO EST2	1.924	19.49	39.4	SUELO EST1	2.044	20.69	41.8
30.000	TERRAPLEN	0.040	0.38	0.7	EXCAVA SANO	4.194	42.59	86.2
	TERRAP SANO	4.194	42.59	86.2	VEGETAL	1.865	18.95	38.4
	FIRME	5.182	47.61	136.2	D TIERRA	7.350	68.22	204.0
	SUELO EST2	2.463	21.93	61.3	SUELO EST1	2.583	23.13	64.9
40.000	TERRAPLEN	0.000	0.20	0.9	EXCAVA SANO	0.000	20.97	107.1
	TERRAP SANO	0.000	20.97	107.1	VEGETAL	2.118	19.92	58.3
	FIRME	5.209	51.95	188.1	D TIERRA	6.586	69.68	273.6
	SUELO EST2	2.477	24.70	86.0	SUELO EST1	2.598	25.90	90.8
50.000	VEGETAL	2.130	21.24	79.5				
	FIRME	4.973	50.91	239.0	D TIERRA	5.773	61.80	335.4
	SUELO EST2	2.296	23.86	109.9	SUELO EST1	2.416	25.07	115.9
	TERRAPLEN	0.023	0.11	1.1	EXCAVA SANO	0.100	0.50	107.6
60.000	TERRAP SANO	0.100	0.50	107.6	VEGETAL	2.094	21.12	100.6
	FIRME	5.372	51.72	290.7	D TIERRA	5.623	56.98	392.4
	SUELO EST2	2.534	24.14	134.0	SUELO EST1	2.654	25.34	141.2
	TERRAPLEN	0.000	0.11	1.2	EXCAVA SANO	0.000	0.50	108.1
70.000	TERRAP SANO	0.000	0.50	108.1	VEGETAL	2.176	21.34	122.0
	FIRME	5.528	54.50	345.3	D TIERRA	5.158	53.90	446.3
	SUELO EST2	2.649	25.91	159.9	SUELO EST1	2.771	27.12	168.3
	VEGETAL	2.268	22.21	144.2				
80.000	FIRME	5.680	56.06	401.3	D TIERRA	4.273	47.11	493.4
	SUELO EST2	2.764	27.07	187.0	SUELO EST1	2.884	28.27	196.6
	VEGETAL	2.359	23.13	167.3				
	FIRME	5.810	57.48	458.8	D TIERRA	3.370	38.11	531.5
90.000	SUELO EST2	2.860	28.13	215.1	SUELO EST1	2.978	29.32	225.9
	VEGETAL	2.430	23.95	191.3				

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina

PROYECTO :

EJE: 74: Vía de servicio Izq. P.K. 117+200

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * cubicacion segun distancias compensadas * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	FIRME	5.837	58.27	517.1	D TIERRA	2.643	29.97	561.5
	SUELO EST2	3.093	29.75	244.9	SUELO EST1	3.111	30.44	256.4
	TERRAPLEN	0.202	0.98	2.1	EXCAVA SANE0	0.592	2.87	111.0
	TERRAP SANE0	0.592	2.87	111.0	VEGETAL	2.562	24.95	216.2
110.000	FIRME	5.837	58.40	575.5	D TIERRA	4.048	33.31	594.8
	SUELO EST2	3.188	31.35	276.2	SUELO EST1	3.138	31.23	287.6
	TERRAPLEN	0.120	1.56	3.7	EXCAVA SANE0	0.559	5.56	116.6
	TERRAP SANE0	0.559	5.56	116.6	VEGETAL	2.795	26.72	243.0
120.000	FIRME	5.810	58.27	633.7	D TIERRA	4.021	40.09	634.9
	SUELO EST2	2.963	30.76	307.0	SUELO EST1	3.022	30.82	318.4
	TERRAPLEN	0.000	0.58	4.3	EXCAVA SANE0	0.000	2.69	119.2
	TERRAP SANE0	0.000	2.69	119.2	VEGETAL	2.473	26.31	269.3
130.000	FIRME	5.740	57.78	691.5	D TIERRA	2.191	30.76	665.7
	SUELO EST2	3.077	30.28	337.2	SUELO EST1	3.037	30.34	348.8
	TERRAPLEN	0.205	1.04	5.3	EXCAVA SANE0	1.864	9.50	128.7
	TERRAP SANE0	1.864	9.50	128.7	VEGETAL	2.563	25.23	294.5
140.000	FIRME	5.611	56.77	748.3	D TIERRA	1.053	15.99	681.7
	SUELO EST2	2.999	30.45	367.7	SUELO EST1	2.959	30.01	378.8
	TERRAPLEN	3.442	18.43	23.8	EXCAVA SANE0	4.587	32.60	161.3
	TERRAP SANE0	4.587	32.60	161.3	VEGETAL	2.611	25.94	320.4
150.000	FIRME	5.508	55.61	803.9	D TIERRA	0.000	5.20	686.9
	SUELO EST2	3.221	31.13	398.8	SUELO EST1	3.021	29.91	408.7
	TERRAPLEN	21.013	122.91	146.7	EXCAVA SANE0	6.888	57.62	219.0
	TERRAP SANE0	6.888	57.62	219.0	VEGETAL	3.062	28.44	348.9
160.000	FIRME	5.406	54.57	858.5	SUELO EST2	3.170	31.96	430.8
	SUELO EST1	2.971	29.96	438.6	TERRAPLEN	35.256	281.77	428.4
	EXCAVA SANE0	8.141	75.24	294.2	TERRAP SANE0	8.141	75.24	294.2
	VEGETAL	3.618	33.44	382.3				
170.000	FIRME	5.304	53.55	912.0	SUELO EST2	3.119	31.45	462.2
	SUELO EST1	2.920	29.45	468.1	TERRAPLEN	45.533	403.98	832.4
	EXCAVA SANE0	9.225	86.84	381.0	TERRAP SANE0	9.225	86.84	381.0
	VEGETAL	4.100	38.60	420.9				
180.000	FIRME	5.409	53.56	965.6	SUELO EST2	3.172	31.45	493.7
	SUELO EST1	2.972	29.46	497.6	TERRAPLEN	55.027	502.83	1335.2
	EXCAVA SANE0	9.763	94.95	476.0	TERRAP SANE0	9.763	94.95	476.0
	VEGETAL	4.339	42.20	463.1				

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina

PROYECTO :

EJE: 74: Vía de servicio Izq. P.K. 117+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
190.000	FIRME	5.536	54.73	1020.3	SUELO EST2	3.235	32.04	525.7				
	SUELO EST1	3.036	30.04	527.6	TERRAPLEN	64.024	595.53	1930.8				
	EXCAVA SANE0	10.242	100.11	576.1	TERRAP SANE0	10.242	100.11	576.1				
	VEGETAL	4.552	44.50	507.6								
200.000	FIRME	5.664	56.01	1076.3	SUELO EST2	3.299	32.68	558.4				
	SUELO EST1	3.100	30.68	558.3	TERRAPLEN	70.977	675.90	2606.7				
	EXCAVA SANE0	10.520	104.05	680.1	TERRAP SANE0	10.520	104.05	680.1				
	VEGETAL	4.676	46.25	553.9								
210.000	FIRME	6.141	58.99	1135.3	SUELO EST2	3.534	34.14	592.5				
	SUELO EST1	3.334	32.15	590.4	TERRAPLEN	68.579	700.75	3307.4				
	EXCAVA SANE0	10.301	104.64	784.8	TERRAP SANE0	10.301	104.64	784.8				
	VEGETAL	4.579	46.51	600.4								

220.000	FIRME	9.390	76.98	1212.3	D TIERRA	4.314	20.37	707.2
	SUELO EST2	4.733	41.11	633.6	SUELO EST1	4.693	39.87	630.3
226.623	TERRAPLEN	4.609	368.91	3676.3	EXCAVA SANE0	6.221	83.37	868.2
	TERRAP SANE0	6.221	83.37	868.2	VEGETAL	4.144	43.59	644.0
	FIRME	15.793	80.65	1292.9	D TIERRA	23.630	88.10	795.3
	SUELO EST2	7.343	38.91	672.6	SUELO EST1	7.463	39.13	669.4
	TERRAPLEN	0.018	15.50	3691.8	EXCAVA SANE0	0.079	21.09	889.2
	TERRAP SANE0	0.079	21.09	889.2	VEGETAL	6.173	33.16	677.1

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina 4
PROYECTO :
EJE: 74: Vía de servicio Izq. P.K. 117+200

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	1292.9
D TIERRA	795.3
SUELO EST2	672.6
SUELO EST1	669.4
TERRAPLEN	3691.8
EXCAVA SANE0	889.2
TERRAP SANE0	889.2
VEGETAL	677.1

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 1
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
18.318	FIRME	6.283	0.00	0.0	SUELO EST2	3.559	0.00	0.0
	SUELO EST1	3.360	0.00	0.0	TERRAPLEN	64.467	0.00	0.0
	VEGETAL	5.971	0.00	0.0				
20.000	FIRME	6.236	10.13	10.1	SUELO EST2	3.535	5.74	5.7
	SUELO EST1	3.335	5.41	5.4	TERRAPLEN	66.504	105.60	105.6
	VEGETAL	6.121	9.74	9.7				
30.000	FIRME	6.025	59.08	69.2	SUELO EST2	3.423	33.50	39.2
	SUELO EST1	3.224	31.58	37.0	TERRAPLEN	69.313	653.45	759.0
	VEGETAL	6.116	58.84	68.6				
33.080	FIRME	5.985	17.85	87.1	SUELO EST2	3.401	10.14	49.4
	SUELO EST1	3.202	9.54	46.5	TERRAPLEN	69.804	206.60	965.6
	VEGETAL	6.114	18.16	86.7				
40.000	FIRME	5.946	39.96	127.0	SUELO EST2	3.378	22.69	72.1
	SUELO EST1	3.178	21.36	67.9	TERRAPLEN	70.180	468.92	1434.6
	VEGETAL	6.108	40.92	127.7				
50.000	FIRME	5.977	58.07	185.1	SUELO EST2	3.389	32.94	105.0
	SUELO EST1	3.190	31.00	98.9	TERRAPLEN	68.155	674.56	2109.1
	VEGETAL	6.063	59.30	187.0				
60.000	FIRME	5.881	58.17	243.3	SUELO EST2	3.342	33.01	138.0
	SUELO EST1	3.143	31.06	129.9	TERRAPLEN	60.986	634.31	2743.4
	VEGETAL	5.806	58.26	245.2				
70.000	FIRME	5.785	57.65	300.9	SUELO EST2	3.294	32.78	170.8
	SUELO EST1	3.094	30.81	160.8	TERRAPLEN	51.804	557.79	3301.2
	VEGETAL	5.506	55.92	301.1				
79.970	FIRME	5.719	57.06	358.0	SUELO EST2	3.261	32.51	203.3
	SUELO EST1	3.062	30.53	191.3	TERRAPLEN	41.032	460.66	3761.9
	VEGETAL	5.109	52.66	353.8				
80.000	FIRME	5.719	0.17	358.1	SUELO EST2	3.261	0.10	203.4
	SUELO EST1	3.062	0.09	191.4	TERRAPLEN	44.568	1.28	3763.2
	VEGETAL	5.210	0.15	354.0				
90.000	FIRME	5.719	57.09	415.2	SUELO EST2	3.261	32.55	236.0
	SUELO EST1	3.062	30.56	221.9	TERRAPLEN	35.175	398.05	4161.2
	VEGETAL	4.866	50.30	404.2				
100.000	FIRME	5.720	57.09	472.3	SUELO EST2	3.261	32.55	268.5
	SUELO EST1	3.061	30.56	252.5	TERRAPLEN	26.406	307.40	4468.6
	VEGETAL	4.521	46.86	451.1				

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 2
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
110.000	FIRME	5.719	57.09	529.4	SUELO EST2	3.262	32.56	301.1
	SUELO EST1	3.061	30.56	283.1	TERRAPLEN	18.413	223.73	4692.3
	VEGETAL	4.184	43.45	494.6				
120.000	FIRME	5.719	57.09	586.5	SUELO EST2	3.261	32.55	333.6
	SUELO EST1	3.062	30.56	313.6	TERRAPLEN	11.863	151.14	4843.5
	VEGETAL	3.884	40.27	534.8				
130.000	FIRME	5.719	57.09	643.6	SUELO EST2	3.261	32.55	366.2
	SUELO EST1	3.062	30.56	344.2	TERRAPLEN	6.670	92.53	4936.0
	VEGETAL	3.629	37.50	572.3				
140.000	FIRME	5.719	57.09	700.7	SUELO EST2	3.261	32.55	398.7
	SUELO EST1	3.062	30.56	374.7	TERRAPLEN	2.651	46.55	4982.6
	VEGETAL	3.417	35.17	607.5				
150.000	FIRME	5.719	57.09	757.8	D TIERRA	0.594	2.96	3.0
	SUELO EST2	3.199	32.24	431.0	SUELO EST1	3.062	30.56	405.3
	TERRAPLEN	0.310	14.79	4997.4	VEGETAL	3.251	33.28	640.8

160.000	FIRME	5.719	57.09	814.9	D TIERRA	2.212	13.99	17.0
	SUELO EST2	3.049	31.19	462.2	SUELO EST1	3.044	30.47	435.8
	TERRAPLEN	0.000	1.55	4998.9	VEGETAL	3.130	31.85	672.6
170.000	FIRME	5.719	57.09	872.0	D TIERRA	3.325	27.62	44.6
	SUELO EST2	2.927	29.83	492.0	SUELO EST1	2.999	30.16	465.9
	VEGETAL	3.052	30.86	703.5				

180.000	FIRME	6.176	59.36	931.3	D TIERRA	6.762	50.31	94.9
	SUELO EST2	2.835	28.76	520.7	SUELO EST1	2.955	29.71	495.7
	TERRAPLEN	0.031	0.16	4999.1	VEGETAL	3.259	31.49	735.0
190.000	FIRME	5.699	59.26	990.6	D TIERRA	5.308	60.21	155.1
	SUELO EST2	2.723	27.74	548.5	SUELO EST1	2.844	28.94	524.6
	TERRAPLEN	0.000	0.16	4999.2	VEGETAL	2.904	30.75	765.7
200.000	FIRME	5.709	56.94	1047.5	D TIERRA	4.827	50.57	205.7
	SUELO EST2	2.772	27.43	575.9	SUELO EST1	2.888	28.61	553.2
	VEGETAL	2.941	29.17	794.9				
210.000	FIRME	5.716	57.02	1104.6	D TIERRA	4.330	45.69	251.4
	SUELO EST2	2.821	27.92	603.8	SUELO EST1	2.927	29.03	582.2
	VEGETAL	2.979	29.55	824.4				
220.000	FIRME	5.719	57.07	1161.6	D TIERRA	3.816	40.65	292.0
	SUELO EST2	2.870	28.40	632.2	SUELO EST1	2.961	29.39	611.6
	VEGETAL	3.016	29.92	854.4				

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 3
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
230.000	FIRME	5.720	57.09	1218.7	D TIERRA	3.305	35.53	327.5
	SUELO EST2	2.929	28.94	661.2	SUELO EST1	2.997	29.74	641.4
	VEGETAL	3.054	30.30	884.7				
240.000	FIRME	5.719	57.09	1275.8	D TIERRA	2.777	30.34	357.9
	SUELO EST2	2.989	29.54	690.7	SUELO EST1	3.024	30.05	671.4
	VEGETAL	3.091	30.67	915.3				
250.000	FIRME	5.719	57.09	1332.9	D TIERRA	2.230	24.98	382.8
	SUELO EST2	3.047	30.13	720.8	SUELO EST1	3.042	30.28	701.7
	VEGETAL	3.129	31.05	946.4				
260.000	FIRME	5.719	57.09	1390.0	D TIERRA	1.666	19.43	402.3
	SUELO EST2	3.099	30.67	751.5	SUELO EST1	3.054	30.43	732.1
	VEGETAL	3.166	31.42	977.8				
270.000	FIRME	5.719	57.09	1447.1	D TIERRA	1.127	13.92	416.2
	SUELO EST2	3.145	31.17	782.7	SUELO EST1	3.061	30.52	762.6
	TERRAPLEN	0.045	0.22	4999.4	VEGETAL	3.204	31.79	1009.6
280.000	FIRME	5.720	57.09	1504.2	D TIERRA	0.711	9.15	425.3
	SUELO EST2	3.186	31.60	814.3	SUELO EST1	3.061	30.55	793.2
	TERRAPLEN	0.232	1.38	5000.8	VEGETAL	3.241	32.17	1041.8
290.000	FIRME	5.719	57.09	1561.3	D TIERRA	0.421	5.63	431.0
	SUELO EST2	3.216	31.96	846.2	SUELO EST1	3.061	30.56	823.7
	TERRAPLEN	0.564	3.98	5004.8	VEGETAL	3.279	32.54	1074.3
300.000	FIRME	5.719	57.09	1618.4	D TIERRA	0.232	3.25	434.2
	SUELO EST2	3.236	32.21	878.4	SUELO EST1	3.062	30.56	854.3
	TERRAPLEN	1.015	7.89	5012.7	VEGETAL	3.316	32.92	1107.2
310.000	FIRME	5.719	57.09	1675.5	D TIERRA	0.102	1.66	435.9
	SUELO EST2	3.251	32.38	910.8	SUELO EST1	3.062	30.56	884.9
	TERRAPLEN	1.537	12.75	5025.4	VEGETAL	3.354	33.29	1140.5
320.000	FIRME	5.719	57.09	1732.6	D TIERRA	0.024	0.63	436.5
	SUELO EST2	3.259	32.49	943.3	SUELO EST1	3.062	30.56	915.4
	TERRAPLEN	2.125	18.30	5043.7	VEGETAL	3.391	33.67	1174.2
330.000	FIRME	5.720	57.09	1789.7	D TIERRA	0.000	0.12	436.6
	SUELO EST2	3.261	32.54	975.8	SUELO EST1	3.062	30.56	946.0
	TERRAPLEN	2.781	24.51	5068.3	VEGETAL	3.429	34.04	1208.2
340.000	FIRME	5.719	57.09	1846.7	SUELO EST2	3.261	32.55	1008.4
	SUELO EST1	3.061	30.56	976.5	TERRAPLEN	3.471	31.23	5099.5
	VEGETAL	3.466	34.41	1242.6				

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 4
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
350.000	FIRME	5.719	57.09	1903.8	SUELO EST2	3.261	32.55	1041.0
	SUELO EST1	3.061	30.56	1007.1	TERRAPLEN	4.168	38.15	5137.6
	VEGETAL	3.504	34.79	1277.4				
360.000	FIRME	5.719	57.09	1960.9	SUELO EST2	3.262	32.55	1073.5
	SUELO EST1	3.062	30.56	1037.7	TERRAPLEN	4.871	45.14	5182.8
	VEGETAL	3.541	35.16	1312.6				
360.984	FIRME	5.719	5.62	1966.5	SUELO EST2	3.261	3.20	1076.7
	SUELO EST1	3.062	3.01	1040.7	TERRAPLEN	4.941	4.82	5187.6
	VEGETAL	3.545	3.48	1316.1				
370.000	FIRME	5.777	51.83	2018.4	SUELO EST2	3.267	29.43	

410.000	FIRME	5.777	57.77	2249.5	SUELO EST2	3.267	32.67	1236.8
	SUELO EST1	3.067	30.67	1191.0	TERRAPLEN	8.834	84.61	5530.6
	VEGETAL	3.749	37.30	1495.2				
420.000	FIRME	5.777	57.77	2307.2	SUELO EST2	3.267	32.67	1269.5
	SUELO EST1	3.068	30.67	1221.7	TERRAPLEN	9.587	92.11	5622.7
	VEGETAL	3.787	37.68	1532.9				
430.000	FIRME	5.777	57.77	2365.0	SUELO EST2	3.267	32.67	1302.2
	SUELO EST1	3.068	30.68	1252.3	TERRAPLEN	10.348	99.68	5722.4
	VEGETAL	3.824	38.05	1571.0				
440.000	FIRME	5.777	57.77	2422.8	SUELO EST2	3.267	32.67	1334.8
	SUELO EST1	3.068	30.68	1283.0	TERRAPLEN	11.117	107.32	5829.7
	VEGETAL	3.862	38.43	1609.4				
450.000	FIRME	5.777	57.77	2480.5	SUELO EST2	3.267	32.67	1367.5
	SUELO EST1	3.067	30.67	1313.7	TERRAPLEN	11.893	115.05	5944.8
	VEGETAL	3.899	38.80	1648.2				

Istram 18.05.05.29 12/07/18 21:28:39 459

PROYECTO :

EJE: 50: V微 de servicio Izq. P.K. 98+100

pagina 5

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
460.000	FIRME	5.777	57.77	2538.3	SUELO EST2	3.267	32.67	1400.2						
	SUELO EST1	3.067	30.67	1344.4	TERRAPLEN	12.663	122.78	6067.6						
	VEGETAL	3.911	39.05	1687.2										
540.000	FIRME	5.777	462.16	3000.5	SUELO EST2	3.267	261.39	1661.6						
	SUELO EST1	3.068	245.38	1589.8	TERRAPLEN	13.754	1056.67	7124.2						
	VEGETAL	3.865	311.02	1998.3										
550.000	FIRME	5.777	57.77	3058.2	SUELO EST2	3.267	32.67	1694.2						
	SUELO EST1	3.067	30.67	1620.4	TERRAPLEN	14.129	139.41	7263.7						
	VEGETAL	3.912	38.89	2037.1										
560.000	FIRME	5.777	57.77	3116.0	SUELO EST2	3.267	32.67	1726.9						
	SUELO EST1	3.068	30.67	1651.1	TERRAPLEN	13.579	138.54	7402.2						
	VEGETAL	3.921	39.17	2076.3										
570.000	FIRME	5.777	57.77	3173.8	SUELO EST2	3.267	32.67	1759.6						
	SUELO EST1	3.068	30.68	1681.8	TERRAPLEN	12.778	131.79	7534.0						
	VEGETAL	3.884	39.03	2115.3										
580.000	FIRME	5.777	57.77	3231.5	SUELO EST2	3.267	32.67	1792.3						
	SUELO EST1	3.068	30.68	1712.5	TERRAPLEN	11.984	123.81	7657.8						
	VEGETAL	3.844	38.64	2154.0										
590.000	FIRME	5.777	57.77	3289.3	SUELO EST2	3.267	32.67	1824.9						
	SUELO EST1	3.067	30.68	1743.1	TERRAPLEN	11.224	116.04	7773.8						
	VEGETAL	3.815	38.29	2192.3										
600.000	FIRME	5.777	57.77	3347.1	SUELO EST2	3.267	32.67	1857.6						
	SUELO EST1	3.067	30.67	1773.8	TERRAPLEN	10.525	108.74	7882.6						
	VEGETAL	3.833	38.24	2230.5										
610.000	FIRME	5.777	57.77	3404.9	SUELO EST2	3.267	32.67	1890.3						
	SUELO EST1	3.067	30.67	1804.5	TERRAPLEN	9.762	101.44	7984.0						
	VEGETAL	3.795	38.14	2268.7										
620.000	FIRME	5.777	57.77	3462.6	SUELO EST2	3.267	32.67	1922.9						
	SUELO EST1	3.068	30.68	1835.1	TERRAPLEN	8.148	89.55	8073.6						
	VEGETAL	3.646	37.21	2305.9										
630.000	FIRME	5.777	57.77	3520.4	SUELO EST2	3.267	32.67	1955.6						
	SUELO EST1	3.068	30.68	1865.8	TERRAPLEN	8.259	82.03	8155.6						
	VEGETAL	3.720	36.83	2342.7										
640.000	FIRME	5.777	57.77	3578.2	SUELO EST2	3.267	32.67	1988.3						
	SUELO EST1	3.067	30.68	1896.5	TERRAPLEN	7.519	78.89	8234.5						
	VEGETAL	3.683	37.01	2379.7										

Istram 18.05.05.29 12/07/18 21:28:39 459

PROYECTO :

EJE: 50: V微 de servicio Izq. P.K. 98+100

pagina 6

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
650.000	FIRME	5.777	57.77	3635.9	SUELO EST2	3.267	32.67	2021.0						
	SUELO EST1	3.067	30.67	1927.2	TERRAPLEN	6.786	71.52	8306.0						
	VEGETAL	3.645	36.64	2416.3										
660.000	FIRME	5.777	57.77	3693.7	SUELO EST2	3.267	32.67	2053.6						
	SUELO EST1	3.067	30.67	1957.8	TERRAPLEN	6.061	64.23	8370.2						
	VEGETAL	3.608	36.26	2452.6										
670.000	FIRME	5.777	57.77	3751.5	SUELO EST2	3.267	32.67	2086.3						
	SUELO EST1	3.067	30.67	1988.5	TERRAPLEN	5.404	57.32	8427.6						
	VEGETAL	3.573	35.91	2488.5										
680.000	FIRME	5.777	57.77	3809.2	SUELO EST2	3.267	32.67	2119.0						
	SUELO EST1	3.067	30.67	2019.2	TERRAPLEN	4.982	51.93	8479.5						
	VEGETAL	3.551	35.62	2524.1										
690.000	FIRME	5.777	57.77	3867.0	SUELO EST2	3.267	32.67	2151.6						
	SUELO EST1	3.068	30.68	2049.9	TERRAPLEN	4.796	48.89	8528.4						
	VEGETAL	3.541	35.46	2559.6										
700.000	FIRME	5.777	57.77	3924.8	SUELO EST2	3.267	32.67	2184.3						
	SUELO EST1	3.067	30.68	2080.5	TERRAPLEN	4.848	48.22	8576.6						
	VEGETAL	3.544	35.43	2595.0										
710.000	FIRME	5.777	57.77	3982.6	SUELO EST2	3.268	32.67	2217.0						
	SUELO EST1	3.068	30.67	2111.2	TERRAPLEN	5.136	49.92	8626.5						
	VEGETAL	3.559	35.52	2630.5										
720.000	FIRME	5.777	57.77	4040.3	SUELO EST2	3.267	32.67	2249.7						
	SUELO EST1	3.067	30.67	2141.9	TERRAPLEN	5.665	54.01	8680.5						
	VEGETAL	3.587	35.73	2666.3										
730.000	FIRME	5.777	57.77	4098.1	SUELO EST2	3.267	32.67	2282.3						
	SUELO EST1	3.068	30.67	2172.6	TERRAPLEN	3.296	44.80	8725.3						
	VEGETAL	3.447	35.17	2701.4										

740.000	FIRME	5.777	57.77	4155.9	D TIERRA	0.170	0.85	437.5
	SUELO EST2	3.242	32.55	2314.9	SUELO EST1	3.068	30.68	2203.2
	TERRAPLEN	1.125	22.10	8747.4	VEGETAL	3.289	33.68	2735.1
750.000	FIRME	5.777	57.77	4213.6	D TIERRA	1.234	7.02	444.5
	SUELO EST2	3.169	32.05	2346.9	SUELO EST1	3.067	30.67	2233.9
	TERRAPLEN	0.000	5.63	8753.1	VEGETAL	3.212	32.50	2767.6
760.000	FIRME	5.777	57.77	4271.4	D TIERRA	1.327	12.80	457.3
	SUELO EST2	3.145	31.57	2378.5	SUELO EST1	3.068	30.67	2264.6
	VEGETAL	3.195	32.03	2799.7				

Istram 18.05.05.29 12/07/18 21:28:39 459

PROYECTO :

EJE: 50: V微 de servicio Izq. P.K. 98+100

pagina 7

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
770.000	FIRME	5.777	57.77	4329.2	D TIERRA	0.691	10.09	467.4						
	SUELO EST2	3.193	31.69	2410.2	SUELO EST1	3.068	30.68	2295.3						
	TERRAPLEN	0.004	0.02	8753.1	VEGETAL	3.235	32.15	2831.8						
780.000	FIRME	5.777	57.77	4387.0	D TIERRA	0.298	4.94	472.3						
	SUELO EST2	3.231	32.12	2442.3	SUELO EST1	3.068	30.68	2325.9						
	TERRAPLEN	0.336	1.70	8754.8	VEGETAL	3.277	32.56	2864.4						
790.000	FIRME	5.777	57.77	4444.7	D TIERRA	0.097	1.98	474.3						
	SUELO EST2	3.254	32.42	2474.7	SUELO EST1	3.067	30.67	2356.6						
	TERRAPLEN	0.782	5.59	8760.4	VEGETAL	3.316	32.97	2897.3						
800.000	FIRME	5.777	57.77	4502.5	D TIERRA	0.027	0.62	474.9						
	SUELO EST2	3.263	32.59	2507.3	SUELO EST1	3.067	30.67	2387.3						
	TERRAPLEN	1.273	10.27	8770.6	EXCAVA SANEO	5.982	29.91	29.9						
	TERRAP SANEO	5.982	29.91	29.9	VEGETAL	3.340	33.28	2930.6						
810.000	FIRME	5.777	57.77	4560.3	D TIERRA	0.001	0.14	475.1						
	SUELO EST2	3.267	32.65	2540.0	SUELO EST1	3.067	30.67	2418.0						
	TERRAPLEN	1.640	14.57	8785.2	EXCAVA SANEO	6.648	63.15	93.1						
	TERRAP SANEO	6.648	63.15	93.1	VEGETAL	3.374	33.57	2964.2						
820.000	FIRME	5.777	57.77	4618.0	SUELO EST2	3.267	32.67	2572.6						
	SUELO EST1	3.068	30.68	2448.6	TERRAPLEN	2.029	18.35	8803.6						
	EXCAVA SANEO	6.803	67.25	160.3	TERRAP SANEO	6.803	67.25	160.3						
	VEGETAL	3.402	33.88	2998.1										
830.000	FIRME	5.777	57.77	4675.8	SUELO EST2	3.267	32.67	2605.3						
	SUELO EST1	3.068	30.68	2479.3	TERRAPLEN	2.631	23.30	8826.9						
	EXCAVA SANEO	6.858	68.30	228.6	TERRAP SANEO	6.858	68.30	228.6						
	VEGETAL	3.429	34.15	3032.2										

1080.000	SUELO EST2	2.610	26.16	3307.7	SUELO EST1	2.731	27.36	3182.0
	TERRAPLEN	0.031	0.31	9162.6	VEGETAL	2.915	29.25	3788.6
	FIRME	5.737	57.66	6122.4	D TIERRA	5.694	59.92	1339.5
	SUELO EST2	2.594	26.02	3333.7	SUELO EST1	2.714	27.22	3209.3
	TERRAPLEN	0.031	0.31	9162.9	VEGETAL	2.885	29.00	3817.6

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 9

PROYECTO :

EJE: 50: V de servicio Izq. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

1090.000	FIRME	5.758	57.47	6179.8	D TIERRA	5.422	55.58	1395.1	
	SUELO EST2	2.714	26.54	3360.3	SUELO EST1	2.834	27.74	3237.0	
	TERRAPLEN	0.000	0.16	9163.1	VEGETAL	2.900	28.92	3846.5	
1100.000	FIRME	5.768	57.63	6237.5	D TIERRA	4.941	51.82	1446.9	
	SUELO EST2	2.761	27.38	3387.7	SUELO EST1	2.880	28.57	3265.6	
	VEGETAL	2.937	29.18	3875.7					
1110.000	FIRME	5.774	57.71	6295.2	D TIERRA	4.448	46.95	1493.8	
	SUELO EST2	2.809	27.85	3415.5	SUELO EST1	2.923	29.01	3294.6	
	VEGETAL	2.975	29.56	3905.3					
1120.000	FIRME	5.777	57.75	6352.9	D TIERRA	3.939	41.93	1535.8	
	SUELO EST2	2.859	28.34	3443.8	SUELO EST1	2.960	29.42	3324.0	
	VEGETAL	3.012	29.93	3935.2					
1130.000	FIRME	5.777	57.77	6410.7	D TIERRA	3.433	36.86	1572.6	
	SUELO EST2	2.919	28.89	3472.7	SUELO EST1	3.001	29.80	3353.8	
	VEGETAL	3.050	30.31	3965.5					
1140.000	FIRME	5.777	57.77	6468.5	D TIERRA	2.909	31.71	1604.3	
	SUELO EST2	2.978	29.49	3502.2	SUELO EST1	3.031	30.16	3384.0	
	VEGETAL	3.087	30.68	3996.2					
1150.000	FIRME	5.777	57.77	6526.2	D TIERRA	2.367	26.38	1630.7	
	SUELO EST2	3.038	30.08	3532.3	SUELO EST1	3.049	30.40	3414.4	
	VEGETAL	3.125	31.06	4027.2					
1160.000	FIRME	5.777	57.77	6584.0	D TIERRA	1.806	20.86	1651.6	
	SUELO EST2	3.094	30.66	3563.0	SUELO EST1	3.061	30.55	3444.9	
	VEGETAL	3.162	31.43	4058.7					
1170.000	FIRME	5.777	57.77	6641.8	D TIERRA	1.228	15.17	1666.7	
	SUELO EST2	3.144	31.19	3594.2	SUELO EST1	3.067	30.64	3475.6	
	TERRAPLEN	0.001	0.01	9163.1	VEGETAL	3.199	31.81	4090.5	
1180.000	FIRME	5.777	57.77	6699.5	D TIERRA	0.745	9.86	1676.6	
	SUELO EST2	3.188	31.66	3625.8	SUELO EST1	3.067	30.67	3506.2	
	TERRAPLEN	0.119	0.60	9163.7	VEGETAL	3.237	32.18	4122.7	
1188.725	FIRME	5.777	50.40	6749.9	D TIERRA	2.388	13.67	1690.3	
	SUELO EST2	2.998	26.99	3652.8	SUELO EST1	3.002	26.48	3532.7	
	TERRAPLEN	0.000	0.52	9164.2	VEGETAL	3.102	27.65	4150.3	

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 10

PROYECTO :

EJE: 50: V de servicio Izq. P.K. 98+100

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****	
MATERIAL	VOLUMEN

FIRME	6749.9
D TIERRA	1690.3
SUELO EST2	3652.8
SUELO EST1	3532.7
TERRAPLEN	9164.2
EXCAVA SANE0	823.0
TERRAP SANE0	823.0
VEGETAL	4150.3

DESBROCE VÍAS DE SERIVICIO

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: Vase de servicio Dch. P.K. 101+600

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****											
PK inicial		:		0.000							
PK final		:	1509.825	ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.				DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN		
0.000	13.179	13.180	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
10.000	12.886	12.888	0.000	0.000	0.000	130.326	0.000	130.340	0.000		
20.000	12.419	12.420	0.000	0.000	0.000	256.852	0.000	256.880	0.000		
20.893	12.402	12.404	0.000	0.000	0.000	267.935	0.000	267.964	0.000		
30.000	12.427	12.428	0.000	0.000	0.000	380.896	0.000	380.935	0.000		
40.000	12.140	12.141	0.000	0.000	0.000	503.213	0.000	503.258	0.000		
50.000	12.751	12.753	0.000	0.000	0.000	626.546	0.000	626.604	0.000		
60.000	13.099	13.100	0.000	0.000	0.000	754.140	0.000	754.211	0.000		
61.393	13.112	13.113	0.000	0.000	0.000	772.110	0.000	772.182	0.000		
70.000	13.034	13.034	0.000	0.000	0.000	882.756	0.000	882.831	0.000		
80.000	12.928	12.928	0.235	0.235	0.235	1010.402	1.312	1010.480	1.312		
87.351	12.782	12.782	0.398	0.398	0.398	1103.303	3.907	1103.381	3.907		
90.000	13.076	13.076	0.000	0.000	0.000	1137.027	4.493	1137.105	4.493		
100.000	12.549	12.549	0.000	0.000	0.000	1263.607	4.493	1263.686	4.493		
110.000	12.542	12.543	0.000	0.000	0.000	1388.077	4.493	1388.165	4.493		
120.000	12.461	12.463	0.000	0.000	0.000	1512.658	4.493	1512.767	4.493		
127.851	12.404	12.406	0.000	0.000	0.000	1610.179	4.493	1610.308	4.493		
130.000	12.433	12.435	0.000	0.000	0.000	1636.866	4.493	1637.000	4.493		
140.000	12.129	12.129	0.000	0.000	0.000	1759.674	4.493	1759.822	4.493		
150.000	12.543	12.544	0.000	0.000	0.000	1883.037	4.493	1883.189	4.493		
160.000	13.262	13.262	0.000	0.000	0.000	2012.064	4.493	2012.220	4.493		
170.000	13.346	13.346	0.000	0.000	0.000	2145.103	4.493	2145.263	4.493		
180.000	13.368	13.369	0.000	0.000	0.000	2278.673	4.493	2278.839	4.493		
190.000	13.182	13.182	0.000	0.000	0.000	2411.422	4.493	2411.594	4.493		
200.000	13.200	13.200	0.000	0.000	0.000	2543.329	4.493	2543.505	4.493		
210.000	13.151	13.162	0.000	0.000	0.000	2675.079	4.493	2675.315	4.493		
220.000	13.204	13.238	0.000	0.000	0.000	2806.850	4.493	2807.315	4.493		
230.000	13.165	13.198	0.000	0.000	0.000	2938.692	4.493	2939.493	4.493		
240.000	12.982	12.987	0.000	0.000	0.000	3069.427	4.493	3070.416	4.493		
250.000	12.211	12.211	0.000	0.000	0.000	3195.391	4.493	3196.405	4.493		
260.000	11.646	11.647	0.000	0.000	0.000	3314.674	4.493	3315.695	4.493		
270.000	11.136	11.136	0.000	0.000	0.000	3428.583	4.493	3429.611	4.493		
280.000	10.068	10.068	0.000	0.000	0.000	3534.605	4.493	3535.633	4.493		
290.000	10.294	10.294	0.000	0.000	0.000	3636.416	4.493	3637.444	4.493		
297.854	10.520	10.520	0.000	0.000	0.000	3718.150	4.493	3719.178	4.493		
300.000	10.578	10.578	0.000	0.000	0.000	3740.787	4.493	3741.815	4.493		
310.000	6.371	6.371	4.496	4.496	4.496	3825.523	26.981	3826.552	26.981		

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: Vase de servicio Dch. P.K. 101+600

pagina 2

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****											
PK inicial		:		0.000							
PK final		:	1509.825	ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.				DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN		
320.000	1.200	1.200	10.018	10.018	10.018	3863.353	99.578	3864.382	99.578		
330.000	0.000	0.000	11.589	11.589	11.589	3869.341	207.628	3870.370	207.632		
340.000	0.000	0.000	12.102	12.102	12.102	3869.341	326.091	3870.370	326.104		
350.000	0.000	0.000	12.702	12.702	12.702	3869.341	450.126	3870.370	450.146		
360.000	0.000	0.000	13.229	13.230	13.230	3869.341	579.807	3870.370	579.830		
370.000	0.000	0.000	14.078	14.079	14.079	3869.341	716.381	3870.370	716.405		
380.000	0.000	0.000	14.202	14.321	14.321	3869.341	857.873	3870.370	858.491		
390.000	0.000	0.000	14.260	14.291	14.291	3869.341	1000.329	3870.370	1001.701		
390.747	0.000	0.000	14.155	14.186	14.186	3869.341	1010.954	3870.370	1012.349		
400.000	0.000	0.000	13.447	13.492	13.492	3869.341	1138.793	3870.370	1140.541		
410.000	6.726	6.728	3.849	3.855	3.855	3902.884	1225.440	3903.920	1227.445		
420.000	12.873	13.254	0.000	0.000	0.000	4000.896	1244.777	4003.854	1246.812		
425.440	13.655	14.692	0.000	0.000	0.000	4073.189	1244.777	4080.026	1246.812		
430.000	11.517	12.124	2.108	2.136	2.136	4130.691	1249.598	4141.297	1251.698		
440.000	3.155	3.663	10.800	10.923	10.923	4204.263	1314.107	4220.482	1316.972		
450.000	2.772	3.022	11.213	11.345	11.345	4234.099	1424.049	4254.132	1428.194		
460.000	0.041	0.046	12.633	12.796	12.796	4248.245	1543.155	4269.559	1548.775		
470.000	0.000	0.000	13.443	13.671	13.671	4248.450	1673.413	4269.792	1680.986		
480.000	0.000	0.000	14.328	14.515	14.515	4248.450	1812.151	4269.792	1821.798		
490.000	0.000	0.000	14.546	14.799	14.799	4248.450	1956.421	4269.792	1968.262		
500.000	0.611	0.613	14.204	14.604	14.604	4251.509	2100.083	4272.859	2115.184		
505.328	1.794	1.803	13.045	13.463	13.463	4257.922	2172.636	4279.301	2189.914		
510.000	2.134	2.148	12.704	13.110	13.110	4267.106	2232.758	4288.537	2251.956		
520.000	0.220	0.220	14.676	15.091	15.091	4278.882	2369.605	4300.386	2392.901		
530.000	0.000	0.000	15.112	15.524	15.524	4279.981	2518.500	4301.489	2545.924		
540.000	0.000	0.000	14.845	15.243	15.243	4279.981	2668.238	4301.489	2699.705		
550.000	0.103	0.103	14.429	14.811	14.811	4280.496	2814.556	4302.003	2849.921		
560.000	3.200	3.203	11.035	11.410	11.410	4297.023	2941.812	4318.548	2980.962		
570.000	8.510	8.521	5.276	5.659	5.659	4355.595	3023.297	4377.190	3066.238		
580.000	8.492	8.516	5.088	5.401	5.401	4440.620	3075.058	4462.393	3121.483		
590.000	3.192	3.195	10.345	10.609	10.609	4499.053	3152.173	4520.965	3201.484		
600.000	7.218	7.236	6.286	6.546	6.546	4551.114	3235.287	4573.132	3287.209		
610.000	7.615	7.641	5.793	6.047	6.047	4625.297	3295.636	4647.535	3350.123		

620.000	7.279	7.293	5.994	6.214	4699.796	3354.516	4722.234	3411.372
630.000	6.979	6.991	6.162	6.346	4771.117	3415.240	4793.681	3474.111
640.000	6.438	6.453	6.539	6.727	4838.229	3478.689	4860.928	3539.415
650.000	5.984	5.994	6.871	7.051	4900.364	3545.682	4923.188	3608.247

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: Vase de servicio Dch. P.K. 101+600

pagina 3

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:	0.000									
PK final		:	1509.825									
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL						
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--								
660.000	5.638	5.640	7.310	7.481	4958.502	3616.530	4981.381	3680.850				
670.000	3.180	3.181	9.952	10.121	5002.620	3702.785	5025.508	3768.803				
680.000	1.997	1.997	10.863	10.985	5028.529	3806.812	5051.418	3874.280				
690.000	1.237	1.237	11.214	11.282	5044.712	3917.159	5067.602	3985.574				
700.000	0.773	0.773	11.777	11.850	5054.771	4032.082	5077.660	4101.205				
710.000	0.558	0.558	12.019	12.094	5061.433	4151.033	5084.323	4220.902				
720.000	0.528	0.529	12.089	12.166	5066.868	4271.546	5089.765	4342.177				
730.000	0.770	0.772	11.832	11.912	5073.366	4391.125	5096.276	4462.537				
740.000	1.268	1.268	11.261	11.339	5083.569	4506.561	5106.485	4578.762				
750.000	1.501	1.503	10.870	10.934	5097.428	4617.186	5120.355	4690.096				
760.000	1.686	1.691	10.713	10.775	5113.379	4725.072	5136.340	4798.607				
770.000	2.297	2.306	10.145	10.212	5133.313	4829.329	5156.342	4903.508				
780.000	3.016	3.030	9.541	9.620	5159.900	4927.721	5183.044	5006.885				
790.000	3.648	3.666	9.131	9.240	5193.247	5021.039	5216.548	5092.685				
800.000	4.202	4.221	8.970	9.137	5232.521	5111.506	5256.008	5188.729				
810.000	4.047	4.060	9.231	9.387	5273.790	5202.474	5297.439	5281.310				
817.071	4.018	4.028	9.585	9.771	5302.321	5268.969	5326.050	5349.013				
820.000	4.541	4.552	9.116	9.312	5314.842	5296.382	5338.602	5376.986				
830.000	6.081	6.094	7.279	7.444	5367.907	5378.445	5391.787	5460.857				
840.000	6.236	6.252	6.966	7.115	5429.447	5449.759	5453.468	5533.743				
850.000	6.734	6.742	6.119	6.244	5494.249	5515.284	5518.386	5600.638				
860.000	6.886	6.891	5.718	5.842	5562.298	5574.577	5586.496	5661.175				
870.000	7.194	7.208	5.650	5.877	5632.649	5631.520	5656.940	5719.871				
880.000	6.382	6.433	6.618	6.795	5700.493	5692.937	5725.107	5783.307				
890.000	6.290	6.361	6.342	6.525	5763.841	5757.774	5789.060	5849.944				
900.000	6.432	6.514	5.915	6.087	5827.456	5819.073	5853.347	5913.017				
910.000	6.379	6.448	5.505	5.640	5891.535	5876.161	5918.269	5971.639				
920.000	6.112	6.134	5.154	5.207	5954.037	5929.416	5981.221	6025.835				
930.000	3.151	3.152	7.864	7.893	6000.402	5994.451	6027.999	6091.281				
940.000	2.514	2.514	8.581	8.593	6028.729	6076.671	6056.031	6173.705				
950.000	2.323	2.323	8.822	8.822	6052.871	6163.733	6080.173	6260.827				
960.000	3.212	3.212	7.838	7.838	6080.502	6247.085	6107.804	6344.179				
970.000	4.312	4.312	6.698	6.698	6118.072	6319.823	6145.374	6416.918				
980.000	5.615	5.615	5.307	5.307	6167.649	6379.910	6194.951	6477.005				
990.000	7.054	7.054	3.772	3.772	6230.941	6425.366	6258.243	6522.461				
1000.000	8.600	8.600	2.124	2.124	6309.168	6454.892	6336.471	6551.987				
1010.000	10.369	10.369	0.246	0.246	6403.993	6466.762	6431.296	6563.857				

1270.000	0.000	0.000	13.761	13.815	6991.388	8965.329	7018.696	9063.604
1280.000	0.000	0.000	14.095	14.167	6991.388	9104.605	7018.696	9203.510
1290.000	0.000	0.000	14.459	14.562	6991.388	9247.341	7018.696	9347.123
1300.000	0.000	0.000	14.968	15.051	6991.388	9394.439	7018.696	9495.157
1310.000	0.000	0.000	15.867	15.867	6991.388	9548.626	7018.696	9649.764
1320.000	0.000	0.000	16.193	16.193	6991.388	9708.957	7018.696	9810.095
1330.000	0.000	0.000	16.545	16.545	6991.388	9872.656	7018.696	9973.794
1338.105	0.000	0.000	17.146	17.147	6991.388	10009.191	7018.696	10110.329

Istram 18.05.05.29 17/01/19 18:49:55 1880

PROYECTO :

EJE: 51: V^{de} de servicio Dch. P.K. 101+600

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial			:	0.000				
PK final			:	1509.825				
ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA-	--REAL--	PLANTA-	--REAL--				
1340.000	0.000	0.000	17.223	17.223	6991.388	10041.756	7018.696	10142.894
1350.000	0.000	0.000	17.636	17.636	6991.388	10216.053	7018.696	10317.192
1360.000	0.000	0.000	18.046	18.046	6991.388	10394.479	7018.696	10495.617
1370.000	0.000	0.000	18.593	18.593	6991.388	10577.718	7018.696	10678.857
1380.000	0.000	0.000	18.969	18.969	6991.388	10765.619	7018.696	10866.759
1390.000	0.000	0.000	19.344	19.344	6991.388	10957.350	7018.696	11058.491
1398.105	0.000	0.000	19.689	19.689	6991.388	11115.733	7018.696	11216.875
1400.000	0.000	0.000	19.737	19.737	6991.388	11153.145	7018.696	11254.286
1410.000	0.000	0.000	19.754	19.754	6991.388	11350.915	7018.696	11452.058
1420.000	0.000	0.000	20.767	20.776	6991.388	11553.853	7018.696	11655.045
1430.000	0.000	0.000	18.948	18.997	6991.388	11753.029	7018.696	11854.519
1433.600	0.000	0.000	17.681	17.681	6991.388	11819.165	7018.696	11920.745
1440.000	0.000	0.000	18.584	18.600	6991.388	11935.285	7018.696	12036.917
1450.000	0.000	0.000	21.035	21.035	6991.388	12133.465	7018.696	12235.178
1460.000	0.000	0.000	21.393	21.393	6991.388	12345.733	7018.696	12447.446
1470.000	0.000	0.000	21.655	21.655	6991.388	12561.043	7018.696	12662.756
1480.000	0.000	0.000	21.298	21.325	6991.388	12775.781	7018.696	12877.629
1490.000	0.000	0.000	22.313	22.313	6991.388	12993.787	7018.696	13095.773
1493.600	0.000	0.000	23.182	23.182	6991.388	13075.671	7018.696	13177.660
1500.000	0.000	0.000	27.050	27.051	6991.388	13236.413	7018.696	13338.406
1509.825	0.000	0.000	41.856	41.856	6991.388	13574.914	7018.696	13676.909

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial			:	0.000				
PK final			:	2978.516				
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	--PLANTA--	--REAL--	--PLANTA--	--REAL--				
0.000	0.000	0.000	44.970	44.974	0.000	0.000	0.000	0.000
10.000	0.000	0.000	30.029	30.031	0.000	374.949	0.000	374.974
20.000	0.000	0.000	26.961	26.963	0.000	659.829	0.000	659.869
30.000	0.000	0.000	25.285	25.285	0.000	921.215	0.000	921.263
40.000	0.000	0.000	26.652	26.654	0.000	1181.257	0.000	1181.314
50.000	0.000	0.000	26.663	26.663	0.000	1448.532	0.000	1448.602
60.000	0.000	0.000	26.085	26.085	0.000	1713.249	0.000	1713.325
70.000	0.000	0.000	25.597	25.597	0.000	1972.902	0.000	1972.982
80.000	0.000	0.000	23.920	23.920	0.000	2221.646	0.000	2221.729
90.000	0.000	0.000	22.397	22.397	0.000	2454.186	0.000	2454.270
100.000	0.000	0.000	21.581	21.584	0.000	2674.967	0.000	2675.069
110.000	0.000	0.000	21.138	21.226	0.000	2889.505	0.000	2890.072
120.000	0.000	0.000	20.904	20.943	0.000	3100.561	0.000	3101.760
130.000	0.000	0.000	20.348	20.350	0.000	3307.420	0.000	3308.814
140.000	0.000	0.000	20.139	20.141	0.000	3510.209	0.000	3511.625
150.000	0.000	0.000	20.292	20.292	0.000	3712.485	0.000	3713.912
160.000	0.000	0.000	20.117	20.119	0.000	3914.543	0.000	3915.983
170.000	0.000	0.000	19.502	19.504	0.000	4112.630	0.000	4114.092
180.000	0.000	0.000	19.213	19.214	0.000	4306.202	0.000	4307.676
190.000	0.000	0.000	18.401	18.401	0.000	4494.350	0.000	4495.826
200.000	0.000	0.000	17.627	17.628	0.000	4674.677	0.000	4676.156
210.000	0.000	0.000	17.226	17.227	0.000	4849.285	0.000	4850.766
220.000	0.000	0.000	16.354	16.354	0.000	5017.685	0.000	5019.172
230.000	0.000	0.000	15.439	15.439	0.000	5177.216	0.000	5178.710
240.000	0.000	0.000	14.929	14.930	0.000	5339.650	0.000	5331.153
250.000	1.847	1.847	14.789	15.049	8.827	5480.007	8.828	5482.889
260.000	3.193	3.193	12.760	13.085	33.035	5620.694	33.036	5626.633
270.000	4.079	4.079	11.312	11.650	68.325	5743.556	68.326	5752.898
280.000	4.517	4.518	10.444	10.782	110.407	5854.233	110.415	5867.009
290.000	3.164	3.169	11.671	11.963	148.217	5966.087	148.254	5982.043
300.000	1.909	1.914	12.915	13.117	173.298	6089.699	173.385	6108.135
310.000	0.000	0.000	14.940	15.166	182.795	6229.156	182.908	6249.740
320.000	0.000	0.000	15.017	15.255	182.795	6378.992	182.908	6401.902
330.000	0.000	0.000	14.924	15.216	182.795	6528.746	182.908	6554.312
340.000	0.968	0.968	13.864	14.165	187.624	6672.745	187.738	6701.285
350.000	4.167	4.167	10.586	10.880	213.252	6795.099	213.366	6826.616
360.000	6.677	6.686	8.038	8.389	267.396	6888.360	267.552	6923.101

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

pagina 5

EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial			:	0.000				
PK final			:	2978.516				
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA-	--REAL--	PLANTA-	--REAL--			DESMONTE	TERRAPLEN
370.000	6.970	6.995	7.754	8.230	335.556	6967.466	335.879	7006.343
380.000	7.225	7.259	7.424	7.935	406.459	7043.499	407.076	7087.316
390.000	7.452	7.480	7.241	7.746	479.775	7116.963	480.703	7165.870
400.000	8.307	8.328	7.150	7.620	558.494	7189.060	559.669	7242.851
410.000	7.335	7.337	7.567	7.999	636.629	7262.792	637.918	7321.102
420.000	5.761	5.774	9.742	10.167	702.039	7349.485	703.401	7412.091
430.000	2.331	2.342	13.604	14.057	742.446	7466.334	743.928	7533.343
440.000	0.000	0.000	16.074	16.409	754.084	7614.813	755.622	7685.769
450.000	0.000	0.000	16.064	16.451	754.084	7775.584	755.622	7850.158
460.000	0.000	0.000	15.934	16.226	754.084	7935.659	755.622	8013.638
470.000	0.000	0.000	16.080	16.379	754.084	8095.821	755.622	8176.763
480.000	0.000	0.000	15.991	16.261	754.084	8256.268	755.622	8340.065
490.000	0.000	0.000	15.742	15.972	754.084	8415.020	755.622	8501.324
500.000	0.000	0.000	15.453	15.634	754.084	8571.074	755.622	8659.436
510.000	0.000	0.000	15.146	15.277	754.084	8724.135	755.622	8814.060
520.000	6.293	6.294	8.043	8.092	785.506	8840.170	787.048	8931.000
530.000	0.000	0.000	14.456	14.470	816.929	8952.742	818.474	9043.886
540.000	0.000	0.000	14.919	14.919	816.929	9099.639	818.474	9190.852
550.000	0.000	0.000	14.846	14.849	816.929	9248.483	818.474	9339.712
560.000	0.000	0.000	15.168	15.170	816.929	9398.576	818.474	9489.826
570.000	0.000	0.000	15.037	15.038	816.929	9549.619	818.474	9640.881
580.000	0.000	0.000	14.898	14.900	816.929	9699.309	818.474	9790.587
590.000	0.000	0.000	14.749	14.751	816.929	9847.561	818.474	9938.856
600.000	0.000	0.000	14.483	14.485	816.929	9993.743	818.474	10085.053
610.000	0.000	0.000	15.089	15.151	816.929	10141.637	818.474	10233.266
620.000	0.000	0.000	14.590	14.656	816.929	10290.075	818.474	10382.346
630.000	2.609	2.612	11.742	11.832	829.957	10421.782	831.517	10514.838
640.000	6.628	6.633	7.030	7.091	876.115	10515.684	877.715	10609.493
650.000	7.144	7.148	6.026	6.029	944.978	10580.962	946.624	10675.090
660.000	4.416	4.416	8.562	8.562	1002.756	10653.924	1004.421	10748.071
670.000	6.785	6.785	6.132	6.132	1058.683	10727.474	1060.348	10821.623
680.000	0.000	0.000	13.204	13.205	1092.565	10824.194	1094.230	10918.348
690.000	9.085	9.085	3.652	3.652	1137.960	10908.506	1139.625	11002.666
700.000	12.508	12.508	0.000	0.000	1245.901	10926.799	1247.567	11020.960
710.000	12.406	12.406	0.000	0.000	1370.481	10926.799	1372.147	11020.960
720.000	0.810	0.810	12.633	12.633	1436.554	10989.980	1438.220	11084.143
730.000	3.327	3.327	9.889	9.889	1457.198	11102.641	1458.866	11196.800

1100.000 4.962 4.965 8.878 8.955 2289.283 15840.855 2292.025 15965.445

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2978.516						
P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA-	--REAL--	PLANTA-	--REAL--	-----	-----	-----	-----	-----
1110.000	4.439	4.464	9.747	9.834	2336.289	15933.983	2339.170	16059.388	
1120.000	3.951	3.972	10.922	11.052	2378.238	16037.330	2381.351	16163.817	
1130.000	4.481	4.491	11.114	11.336	2420.397	16147.511	2423.661	16275.757	
1140.000	6.065	6.069	10.415	10.958	2473.127	16255.155	2476.460	16387.225	
1150.000	8.017	8.022	5.925	6.074	2543.533	16336.853	2546.914	16472.382	
1160.000	11.658	11.702	1.461	1.465	2641.905	16373.782	2645.535	16510.075	
1170.000	3.878	3.917	10.829	11.094	2719.585	16435.232	2723.631	16572.871	
1180.000	5.410	5.431	7.883	7.984	2766.027	16528.792	2770.370	16668.261	
1190.000	7.546	7.551	5.176	5.301	2830.811	16594.086	2835.278	16734.685	
1200.000	8.319	8.337	4.515	4.638	2910.138	16642.544	2914.716	16784.378	
1210.000	3.251	3.280	10.548	10.733	2967.990	16717.860	2972.802	16861.231	
1220.000	2.952	3.009	11.683	11.922	2999.007	16829.012	3004.249	16974.505	
1230.000	0.000	0.000	14.505	14.701	3013.767	16959.952	3019.295	17107.618	
1240.000	0.246	0.246	13.922	14.095	3014.997	17102.086	3020.527	17251.600	
1250.000	0.521	0.529	13.197	13.472	3018.832	17237.678	3024.404	17389.436	
1260.000	0.000	0.000	14.429	14.538	3021.437	17375.807	3027.050	17529.488	
1270.000	0.000	0.000	14.241	14.379	3021.437	17519.156	3027.050	17674.074	
1280.000	3.493	3.542	10.150	10.285	3038.902	17641.109	3044.761	17797.396	
1290.000	8.154	8.259	5.029	5.182	3097.135	17717.003	3103.765	17874.734	
1300.000	8.255	8.368	4.637	4.700	3179.179	17765.331	3186.898	17924.145	
1310.000	7.422	7.457	5.662	5.701	3257.564	17816.827	3266.021	17976.148	
1320.000	9.002	9.101	3.819	3.894	3339.681	17864.233	3348.811	18024.121	
1330.000	6.773	6.919	5.966	6.119	3418.555	17913.158	3428.914	18074.187	
1340.000	3.845	3.996	8.877	8.961	3471.648	17987.373	3483.491	18149.589	
1350.000	6.729	6.897	5.886	5.933	3524.521	18061.190	3537.957	18224.061	
1360.000	7.512	7.543	5.647	5.684	3595.728	18118.853	3610.160	18282.147	
1370.000	8.283	8.323	4.635	4.674	3674.702	18170.264	3689.494	18333.937	
1380.000	9.573	9.621	3.243	3.272	3763.979	18209.655	3779.218	18373.668	
1390.000	8.439	8.487	4.549	4.579	3854.038	18248.614	3869.761	18412.921	
1400.000	5.526	5.586	7.644	7.689	3923.863	18309.580	3940.128	18474.259	
1410.000	4.936	4.963	8.059	8.165	3976.174	18388.097	3992.871	18553.531	
1420.000	0.000	0.000	13.293	13.370	4000.856	18494.857	4017.684	18661.206	
1430.000	0.000	0.000	13.262	13.301	4000.856	18627.630	4017.684	18794.559	
1440.000	2.708	2.708	10.312	10.333	4014.397	18745.500	4031.226	18912.730	
1450.000	10.904	10.906	1.946	1.947	4082.459	18806.793	4099.297	18974.133	
1460.000	0.000	0.000	13.437	13.437	4136.980	18883.707	4153.825	19051.053	
1470.000	0.078	0.078	13.156	13.157	4137.369	19016.670	4154.215	19184.021	

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2978.516						
P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA-	--REAL--	PLANTA-	--REAL--	-----	-----	-----	-----	-----
1480.000	3.810	3.828	9.215	9.245	4156.810	19128.528	4173.745	19296.030	
1490.000	2.014	2.014	11.121	11.139	4185.929	19230.211	4202.953	19397.949	
1500.000	4.401	4.409	8.698	8.728	4218.000	19329.304	4235.068	19497.284	
1510.000	4.713	4.726	8.326	8.364	4263.569	19414.422	4280.744	19582.745	
1520.000	4.910	4.934	8.033	8.075	4311.685	19496.217	4329.041	19664.943	
1530.000	5.033	5.049	7.818	7.853	4361.402	19575.471	4378.952	19744.582	
1540.000	5.236	5.254	7.495	7.521	4412.749	19652.038	4430.467	19821.452	
1550.000	6.283	6.304	6.325	6.344	4470.342	19721.141	4488.261	19890.781	
1560.000	7.686	7.713	4.811	4.827	4540.186	19776.824	4558.348	19946.637	
1570.000	9.477	9.502	2.964	2.972	4625.999	19815.699	4644.424	19985.632	
1580.000	10.575	10.609	2.202	2.208	4726.256	19841.525	4744.978	20011.535	
1590.000	10.805	10.848	2.194	2.202	4833.155	19863.503	4852.262	20033.586	
1600.000	11.675	11.730	1.434	1.440	4945.553	19881.643	4965.155	20051.794	
1610.000	11.437	11.499	1.718	1.726	5061.112	19897.404	5081.302	20067.626	
1620.000	10.203	10.258	3.073	3.087	5169.309	19921.361	5190.086	20091.694	
1630.000	8.040	8.093	5.302	5.329	5260.517	19963.240	5281.832	20133.780	
1640.000	6.830	6.886	6.459	6.495	5334.855	20022.053	5356.715	20192.913	
1650.000	6.589	6.642	6.587	6.635	5401.934	20087.294	5424.342	20258.578	
1660.000	5.783	5.824	6.886	6.938	5463.784	20154.672	5486.659	20326.459	
1670.000	5.595	5.624	7.209	7.268	5520.664	20225.159	5543.889	20397.501	
1680.000	5.386	5.404	7.616	7.682	5575.555	20299.295	5599.021	20472.259	
1690.000	5.087	5.091	8.117	8.179	5627.910	20377.968	5651.487	20551.571	
1700.000	0.992	0.992	12.423	12.487	5658.301	20480.674	5681.899	20654.908	
1710.000	0.000	0.000	13.611	13.665	5663.261	20610.843	5686.860	20785.673	
1720.000	0.000	0.000	13.620	13.681	5663.261	20746.998	5686.860	20922.401	
1730.000	0.000	0.000	13.488	13.636	5663.261	20882.538	5686.860	21058.985	
1740.000	0.000	0.000	13.555	13.720	5663.261	21017.750	5686.860	21195.767	
1750.000	3.869	3.889	9.470	9.582	5682.603	21132.878	5706.302	21312.279	
1760.000	4.415	4.442	8.686	8.784	5724.014	21223.667	5747.952	21404.116	
1770.000	4.554	4.583	8.635	8.724	5768.850	21310.280	5793.070	21491.664	
1780.000	4.081	4.092	9.215	9.274	5812.019	21399.542	5836.436	21581.660	
1790.000	0.000	0.000	13.413	13.451	5832.420	21512.687	5856.892	21695.285	

pagina 4

1800.000 0.000 0.000 13.521 13.572 5832.420 21647.357 5856.892 21830.399
1810.000 0.000 0.000 13.555 13.610 5832.420 21782.738 5856.892 21966.312
1820.000 0.000 0.000 13.477 13.499 5832.420 21917.898 5856.892 22101.862
1830.000 0.000 0.000 13.454 13.483 5832.420 22052.556 5856.892 22236.773
1840.000 0.000 0.000 13.434 13.466 5832.420 22186.999 5856.892 22371.517

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:		0.000					
PK final				2978.516					
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA-	--REAL--	PLANTA-	--REAL--	-----	-----	-----	-----	-----
1850.000	0.170	0.170	13.301	13.344	5833.271	22320.674	5857.742	22505.569	
1860.000	2.370	2.370	11.255	11.343	5845.965	22443.459	5870.436	22629.009	
1870.000	3.082	3.086	10.403	10.481	5873.215	22551.762	5897.705	22738.136	
1880.000	3.082	3.094	10.248	10.321	5904.027	22655.028	5928.593	22842.154	
1890.000	3.125	3.145	10.087	10.154	5935.055	22756.713	5959.780	22944.538	
1900.000	3.135	3.170	10.064	10.149	5966.347	22857.478	5991.350	23046.064	
1910.000	3.168	3.211	9.992	10.080	5997.854	22957.767	6023.250	23147.221	
1920.000	2.990	3.020	10.214	10.294	6028.638	23058.806	6054.401	23249.102	
1930.000	2.394	2.431	11.112	11.195	6055.552	23165.445	6081.651	23356.555	
1940.000	3.259	3.296	9.946	9.978	6083.810	23270.747	6110.277	23462.426	
1950.000	3.241	3.283	9.805	9.831	6116.306	23369.506	6143.166	23561.473	
1960.000	3.233	3.297	9.639	9.670	6148.673	23466.727	6176.064	23658.976	
1970.000	3.172	3.262	9.549	9.582	6180.697	23562.667	6208.858	23755.235	
1980.000	3.003	3.112	9.665	9.713	6211.568	23658.736	6240.728	23851.709	
1990.000	2.949	3.059	9.646	9.690	6241.326	23755.290	6271.583	23948.722	
2000.000	3.815	3.927	8.673	8.710	6275.144	23846.885	6306.511	24040.722	
2010.000	5.686	5.797	7.205	7.229	6322.647	23926.276	6355.127	24120.419	
2020.000	6.856	6.983	6.145	6.162	6385.355	23993.024	6419.023	24187.373	
2030.000	9.135	9.253	3.890	3.890	6465.310	24043.196	6500.201	24237.633	
2040.000	12.939	13.025	0.000	0.000	6575.684	24062.645	6611.589	24257.086	
2050.000	12.956	13.019	0.000	0.000	6705.159	24062.645	6741.811	24257.086	
2060.000	13.282	13.356	0.000	0.000	6836.349	24062.645	6873.689	24257.086	
2070.000	13.012	13.094	0.000	0.000	6967.823	24062.645	7005.939	24257.086	
2080.000	12.882	12.886	0.000	0.000	7097.297	24062.645	7135.839	24257.086	
2090.000	12.081	12.087	0.000	0.000	7222.117	24062.645	7260.708	24257.086	
2100.000	12.851	12.902	0.000	0.000	7346.781	24062.645	7385.657	24257.086	
2110.000	12.888	12.938	0.000	0.000	7475.476	24062.645	7514.860	24257.086	
2120.000	6.871	6.919	5.949	5.950	7574.270	24092.389	7614.148	24286.836	
2130.000	2.077	2.123	10.660	10.688	7619.014	24175.434	7659.538	24370.025	
2140.000	1.866	1.912	11.014	11.057	7638.731	24283.806	7679.531	24478.748	
2150.000	1.733	1.778	11.260	11.313	7656.728	24395.175	7697.984	24590.598	
2160.000	1.618	1.664	11.473	11.538	7673.486	24508.839	7715.199	24704.855	
2170.000	1.563	1.599	11.723	11.797	7689.393	24624.816	7731.514	24821.531	
2180.000	1.495	1.525	11.937	12.025	7704.685	24743.116	7747.131	24940.642	
2190.000	1.532	1.560	11.904	11.985	7719.818	24862.321	7762.555	25060.694	
2200.000	1.524	1.548	11.989	12.068	7735.095	24981.782	7778.098	25180.959	
2210.000	0.707	0.714	13.039	13.122	7746.248	25106.920	7789.411	25306.909	

2500.000	0.000	0.000	15.331	15.414	7749.781	29314.896	7792.981	29546.459
2510.000	0.000	0.000	15.250	15.305	7749.781	29467.796	7792.981	29700.054
2520.000	0.000	0.000	15.243	15.285	7749.781	29620.261	7792.981	29853.004
2530.000	0.000	0.000	15.253	15.289	7749.781	29772.745	7792.981	30005.873
2540.000	0.000	0.000	15.138	15.172	7749.781	29924.703	7792.981	30158.178
2550.000	0.000	0.000	15.012	15.050	7749.781	30075.453	7792.981	30309.286
2560.000	0.000	0.000	14.886	14.929	7749.781	30224.943	7792.981	30459.180
2570.000	0.000	0.000	14.686	14.746	7749.781	30372.800	7792.981	30607.553
2580.000	0.000	0.000	14.514	14.588	7749.781	30518.797	7792.981	30754.223

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

pagina 8

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial :			0.000					
PK final :			2978.516					
P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
2590.000	0.000	0.000	14.364	14.442	7749.781	30663.187	7792.981	30899.377
2600.000	0.000	0.000	14.225	14.294	7749.781	30806.131	7792.981	31043.061
2610.000	0.000	0.000	13.955	14.025	7749.781	30947.032	7792.981	31184.660
2620.000	0.000	0.000	13.715	13.789	7749.781	31085.383	7792.981	31323.734
2630.000	0.000	0.000	13.526	13.601	7749.781	31221.586	7792.981	31460.686
2640.000	1.228	1.228	12.098	12.154	7755.920	31349.703	7799.120	31589.463
2650.000	4.446	4.457	8.666	8.714	7784.287	31453.522	7827.543	31693.804
2660.000	4.694	4.720	8.235	8.280	7829.987	31538.026	7873.424	31778.771
2670.000	4.879	4.905	7.919	7.953	7877.855	31618.796	7921.546	31859.935
2680.000	6.536	6.564	6.041	6.060	7934.931	31688.596	7978.889	31930.000
2690.000	9.158	9.183	3.204	3.212	8013.399	31734.820	8057.624	31976.362
2700.000	11.994	12.014	0.949	0.951	8119.154	31755.588	8163.611	31997.179
2710.000	12.491	12.509	0.447	0.447	8241.579	31762.569	8286.226	32004.172
2720.000	10.056	10.086	3.067	3.075	8354.314	31780.139	8399.201	32021.784
2730.000	5.685	5.706	6.893	6.909	8433.017	31829.939	8478.160	32071.700
2740.000	5.318	5.327	7.652	7.679	8488.033	31902.665	8533.321	32144.639
2750.000	2.583	2.583	10.732	10.753	8527.539	31994.588	8572.869	32236.802
2760.000	0.000	0.000	13.368	13.369	8540.453	32115.088	8585.784	32357.411
2770.000	0.000	0.000	13.795	13.802	8540.453	32250.900	8585.784	32493.265
2780.000	0.000	0.000	14.382	14.393	8540.453	32391.784	8585.784	32634.238
2790.000	0.000	0.000	15.275	15.276	8540.453	32540.071	8585.784	32782.580
2800.000	0.000	0.000	16.378	16.379	8540.453	32698.338	8585.784	32940.855
2810.000	0.000	0.000	16.981	17.167	8540.453	32865.135	8585.784	33108.585
2820.000	0.000	0.000	17.289	17.380	8540.453	33036.487	8585.784	33281.319
2830.000	0.000	0.000	17.812	17.976	8540.453	33212.010	8585.784	33458.113
2840.000	0.000	0.000	16.350	16.402	8540.453	33382.834	8585.784	33630.013
2850.000	0.000	0.000	15.974	16.059	8540.453	33544.464	8585.784	33792.325
2860.000	0.000	0.000	14.789	14.849	8540.453	33698.290	8585.784	33946.875
2870.000	0.000	0.000	14.336	14.408	8540.453	33843.927	8585.784	34093.172
2880.000	0.310	0.312	13.812	13.894	8542.004	33984.677	8587.343	34234.695
2890.000	7.501	7.547	5.824	5.877	8581.023	34082.911	8626.599	34333.606
2900.000	7.972	7.992	4.987	5.000	8658.319	34137.059	8704.222	34388.081
2910.000	8.302	8.330	4.557	4.567	8739.624	34184.865	8785.765	34435.999
2920.000	9.125	9.311	4.023	4.033	8826.692	34227.846	8873.902	34479.076
2930.000	9.430	9.603	3.759	3.780	8919.401	34266.826	8968.405	34518.209
2940.000	9.517	9.745	3.853	3.888	9014.086	34304.936	9065.092	34556.601
2950.000	11.984	12.084	1.065	1.065	9121.558	34329.559	9174.200	34581.399

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

pagina 9

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:		0.000					
PK final		:		2978.516					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P. K.		-----		-----		-----		-----	
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----		-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----
2960.000		12.477	12.566	0.560	0.560	9243.842	34337.703	9297.426	34589.544
2970.000		12.530	12.544	0.000	0.000	9368.877	34340.509	9422.976	34592.350
2978.516		10.408	10.549	2.429	2.475	9466.535	34350.876	9521.297	34602.912

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

pagina 1

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:		0.000								
PK final		:		2474.177								
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P.K.	-----		-----		-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--								
0.000	10.984	11.127	2.149	2.164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	10.716	10.834	2.696	2.753	108.139	24.607	109.457	24.965	108.139	24.607	109.457	24.965
20.000	10.017	10.098	2.882	2.936	211.477	52.933	213.803	53.852	211.477	52.933	213.803	53.852
30.000	9.969	10.013	3.073	3.123	311.115	83.167	314.078	84.617	311.115	83.167	314.078	84.617
40.000	10.302	10.332	2.917	2.960	412.182	113.539	415.522	115.456	412.182	113.539	415.522	115.456
50.000	10.345	10.364	3.151	3.203	515.144	144.243	518.732	146.635	515.144	144.243	518.732	146.635

60.000	9.400	9.417	4.413	4.494	613.660	182.344	617.430	185.403
70.000	8.979	8.990	4.912	4.993	705.411	229.170	709.318	233.047
80.000	5.933	5.940	8.024	8.089	779.841	294.021	783.836	298.635
90.000	0.010	0.010	14.229	14.282	809.511	405.356	813.541	410.563
100.000	7.580	7.605	6.718	6.822	847.458	510.103	851.613	516.095
110.000	8.042	8.138	6.297	6.423	925.586	575.166	930.346	582.308
120.000	8.256	8.351	5.960	6.086	1007.095	636.447	1012.811	644.853
130.000	8.991	9.072	5.169	5.283	1093.342	692.104	1099.939	701.709
140.000	9.074	9.172	5.098	5.229	1183.672	743.460	1191.166	754.292
150.000	8.806	8.892	5.425	5.555	1273.079	796.097	1281.493	808.238
160.000	8.128	8.198	6.221	6.357	1357.759	854.346	1366.950	867.820
170.000	8.063	8.126	6.250	6.413	1438.729	916.717	1448.580	931.687
180.000	8.132	8.181	6.021	6.197	1519.719	978.086	1530.127	994.751
190.000	8.115	8.179	6.320	6.462	1600.969	1039.800	1611.944	1058.057
200.000	7.832	7.958	6.487	6.626	1680.727	1103.835	1692.648	1123.501
210.000	9.593	9.752	4.078	4.254	1767.863	1156.678	1781.204	1177.921
220.000	11.672	11.710	2.075	2.134	1874.168	1187.490	1888.492	1209.906
230.000	12.896	12.923	1.797	1.860	1996.966	1206.898	2011.614	1229.924
240.000	12.155	12.198	1.435	1.498	2122.184	1223.097	2137.183	1246.758
250.000	12.149	12.188	0.755	0.794	2243.694	1234.075	2259.102	1258.251
260.000	12.227	12.257	0.524	0.558	2365.575	1240.487	2381.328	1265.032
270.000	12.444	12.476	1.092	1.177	2488.926	1248.589	2504.989	1273.730
280.000	12.462	12.483	1.599	1.793	2613.447	1262.079	2629.776	1288.618
290.000	12.413	12.423	0.635	0.715	2737.817	1273.277	2754.303	1301.189
300.000	7.304	7.343	6.362	6.521	2836.444	1308.217	2853.173	1337.327
310.000	4.944	4.977	8.850	9.029	2897.743	1384.193	2914.832	1414.996
320.000	3.776	3.806	10.199	10.395	2941.369	1479.383	2958.775	1512.065
330.000	6.204	6.225	7.764	7.973	2991.251	1569.215	3008.917	1603.926
340.000	6.049	6.056	7.837	8.024	3052.492	1647.248	3070.304	1683.942
350.000	6.037	6.039	7.973	8.179	3112.900	1726.328	3130.758	1764.985
360.000	6.316	6.326	7.761	7.985	3174.646	1805.030	3192.561	1845.835

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

760.000	14.295	14.470	0.000	0.000	4692.693	6576.894	4730.071	6714.690
770.000	14.008	14.192	0.000	0.000	4834.210	6576.894	4873.382	6714.690
780.000	13.213	13.326	0.691	0.691	4970.314	6580.347	5010.970	6718.144
790.000	12.710	12.829	1.190	1.190	5099.928	6589.751	5141.743	6727.548
800.000	13.839	13.953	0.000	0.000	5232.672	6595.702	5275.651	6733.499
810.000	13.788	13.963	0.000	0.000	5370.805	6595.702	5415.230	6733.499
820.000	13.290	13.394	0.400	0.412	5506.194	6597.702	5552.012	6735.560
830.000	13.292	13.398	0.457	0.465	5639.102	6601.986	5685.968	6739.946
840.000	12.053	12.223	0.406	0.422	5765.827	6606.301	5814.070	6744.382
850.000	7.613	7.679	6.572	6.633	5864.158	6641.190	5913.582	6779.658
860.000	1.191	1.199	13.316	13.370	5908.179	6740.629	5957.974	6879.671
870.000	0.000	0.000	15.245	15.265	5914.135	6883.436	5963.969	7022.842
880.000	0.000	0.000	14.289	14.290	5914.135	7031.108	5963.969	7170.615
890.000	0.000	0.000	14.497	14.497	5914.135	7175.039	5963.969	7314.549
900.000	0.000	0.000	14.347	14.347	5914.135	7319.257	5963.969	7458.767
910.000	0.000	0.000	14.196	14.196	5914.135	7461.970	5963.969	7601.480
920.000	0.000	0.000	14.027	14.027	5914.135	7603.083	5963.969	7742.593
930.000	0.000	0.000	13.708	13.708	5914.135	7741.755	5963.969	7881.267
940.000	0.000	0.000	13.496	13.496	5914.135	7877.772	5963.969	8017.287
950.000	0.000	0.000	13.362	13.362	5914.135	8012.059	5963.969	8151.576
960.000	0.000	0.000	13.385	13.395	5914.135	8145.793	5963.969	8285.363
970.000	8.418	8.418	4.388	4.388	5956.225	8234.658	6006.059	8374.280
980.000	12.402	12.402	0.000	0.000	6060.324	8256.598	6110.158	8396.220
990.000	0.000	0.000	14.724	14.725	6122.333	8330.219	6172.168	8469.848
1000.000	8.022	8.032	5.462	5.475	6162.430	8431.165	6212.315	8570.865
1010.000	10.611	10.628	3.178	3.189	6255.569	8474.394	6305.591	8614.212
1020.000	9.193	9.286	6.203	6.321	6354.556	8521.330	6405.133	8661.794
1030.000	8.120	8.130	6.212	6.220	6441.081	8583.438	6492.175	8724.533
1040.000	16.532	16.742	0.000	0.000	6564.329	8614.513	6616.524	8755.647
1050.000	13.070	13.075	0.000	0.000	6712.346	8614.513	6765.616	8755.647
1060.000	7.967	7.970	4.843	4.853	6817.517	8638.745	6870.827	8779.927
1070.000	6.191	6.196	8.620	8.733	6888.283	8706.097	6941.632	8847.896
1080.000	1.829	1.842	12.921	13.013	6928.364	8813.841	6981.806	8956.669
1090.000	1.167	1.177	13.419	13.482	6943.334	8945.574	6996.892	9089.179
1100.000	14.621	14.633	0.000	0.000	7022.264	9012.685	7075.931	9156.604

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial : 0.000							
PK final : 2474.177							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA--	--REAL--	-PLANTA--	--REAL--	-----	-----	-----
1110.000	23.901	23.928	0.000	0.000	7214.874	9012.685	7268.739
1120.000	15.459	15.462	0.000	0.000	7411.678	9012.685	7465.696
1130.000	0.000	0.000	15.695	15.702	7488.970	9091.163	7543.002
1140.000	0.000	0.000	15.740	15.745	7488.970	9248.347	7543.002
1150.000	0.000	0.000	15.544	15.548	7488.970	9404.777	7543.002
1160.000	0.000	0.000	15.161	15.165	7488.970	9558.309	7543.002
1170.000	0.000	0.000	15.273	15.274	7488.970	9710.480	7543.002
1180.000	0.000	0.000	15.211	15.211	7488.970	9862.900	7543.002
1190.000	0.000	0.000	14.754	14.755	7488.970	10012.729	7543.002
1200.000	0.931	0.949	12.506	12.530	7493.623	10149.040	7547.743
1210.000	10.519	10.526	2.174	2.177	7550.868	10222.454	7605.110
1220.000	10.445	10.499	2.881	2.963	7655.691	10247.728	7710.241
1230.000	8.493	8.564	5.130	5.234	7750.400	10287.758	7805.580
1240.000	8.305	8.374	5.608	5.693	7834.416	10341.415	7890.300
1250.000	8.198	8.302	5.990	6.059	7916.965	10399.373	7973.716
1260.000	9.084	9.259	5.144	5.187	8003.411	10455.018	8061.559
1270.000	11.476	11.696	2.770	2.797	8106.235	10494.574	8166.360
1280.000	12.908	13.171	1.398	1.403	8228.174	10515.410	8290.712
1290.000	12.872	13.165	1.442	1.444	8357.093	10529.609	8422.411
1300.000	12.656	12.910	1.767	1.768	8484.752	10545.650	8552.808
1310.000	14.385	14.624	0.000	0.000	8619.978	10554.482	8690.497
1320.000	10.970	11.206	3.480	3.482	8746.770	10571.878	8819.666
1330.000	8.639	8.850	5.826	5.831	8844.834	10618.397	8919.969
1340.000	5.893	6.107	8.555	8.572	8917.524	10690.281	8994.786
1350.000	4.792	4.991	9.623	9.664	8970.984	10781.148	9050.315
1360.000	3.955	4.109	10.505	10.570	9014.907	10881.662	9096.011
1370.000	3.309	3.402	11.159	11.242	9051.628	10989.702	9133.981
1380.000	2.188	2.248	11.409	11.495	9079.594	11102.137	9162.725
1390.000	1.496	1.529	11.590	11.687	9098.438	11216.634	9182.046
1400.000	1.842	1.850	11.457	11.577	9115.438	11331.429	9199.257
1410.000	0.353	0.357	13.221	13.407	9126.566	11454.521	9210.452
1420.000	2.257	2.276	11.342	11.550	9139.957	11576.800	9223.963
1430.000	4.312	4.364	9.277	9.509	9173.633	11678.850	9257.996
1440.000	5.996	6.068	7.569	7.726	9226.315	11761.728	9311.305
1450.000	7.738	7.795	5.990	6.070	9295.974	11828.351	9381.608
1460.000	9.008	9.061	5.008	5.072	9380.332	11882.594	9466.510
1470.000	8.925	8.966	5.554	5.629	9470.242	11935.143	9556.887

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V^{de} de servicio Dch. P.K. 106+800

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial : 0.000							
PK final : 2474.177							
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA--	--REAL--	-PLANTA--	--REAL--	-----	-----	-----

pagina 4

DESMONTE			TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	--PLANTA--	--REAL--	--PLANTA--	--REAL--								
1480.000	8.590	8.630	6.396	6.509	9557.837	11994.913	9644.884	12159.374				
1490.000	6.166	6.193	9.178	9.317	9631.586	12072.826	9718.971	12238.545				
1500.000	2.412	2.424	13.319	13.485	9674.527	12185.249	9762.112	12352.494				
1510.000	0.000	0.000	16.020	16.239	9686.658	12331.919	9774.304	12501.096				
1520.000	0.000	0.000	16.372	16.563	9686.658	12494.106	9774.304	12665.355				
1530.000	0.000	0.000	16.483	16.661	9686.658	12658.920	9774.304	12832.038				
1540.000	0.000	0.000	16.458	16.618	9686.658	12824.554	9774.304	12999.380				
1550.000	0.000	0.000	16.579	16.758	9686.658	12991.052	9774.304	13167.575				
1560.000	0.000	0.000	16.663	16.832	9686.658	13158.678	9774.304	13336.919				
1570.000	0.000	0.000	16.864	17.005	9686.658	13327.712	9774.304	13507.465				
1580.000	0.000	0.000	17.031	17.142	9686.658	13498.569	9774.304	13679.537				
1590.000	0.000	0.000	17.181	17.273	9686.658	13670.984	9774.304	13852.925				
1600.000	0.000	0.000	17.284	17.373	9686.658	13844.660	9774.304	14027.471				
1610.000	0.000	0.000	17.573	17.700	9686.658	14020.348	9774.304	14204.207				
1620.000	0.000	0.000	17.859	18.052	9686.658	14199.017	9774.304	14384.347				
1630.000	0.000	0.000	17.938	18.177	9686.658	14379.623	9774.304	14567.172				
1640.000	0.000	0.000	18.097	18.326	9686.658	14561.338	9774.304	14751.216				
1650.000	0.000	0.000	17.196	17.252	9686.658	14738.691	9774.304	14929.993				
1660.000	0.000	0.000	18.157	18.261	9686.658	14916.078	9774.304	15108.190				
1670.000	0.000	0.000	17.790	17.877	9686.658	15095.982	9774.304	15289.048				
1680.000	0.000	0.000	16.781	16.830	9686.658	15268.763	9774.304	15462.506				
1690.000	0.000	0.000	17.531	17.630	9686.658	15440.280	9774.304	15634.760				
1700.000	0.000	0.000	17.119	17.214	9686.658	15613.559	9774.304	15809.009				
1710.000	0.000	0.000	16.885	17.003	9686.658	15783.701	9774.304	15980.221				
1720.000	0.000	0.000	17.332	17.545	9686.658	15954.842	9774.304	16153.300				
1730.000	0.000	0.000	16.239	16.420	9686.658	16122.488	9774.304	16322.655				
1740.000	0.000	0.000	16.161	16.325	9686.658	16284.168	9774.304	16486.060				
1750.000	0.000	0.000	16.186	16.324	9686.658	16445.605	9774.304	16649.015				
1760.000	0.000	0.000	16.209	16.348	9686.658	16607.361	9774.304	16812.169				
1770.000	0.000	0.000	16.213	16.372	9686.658	16769.266	9774.304	16975.581				
1780.000	0.000	0.000	16.083	16.220	9686.658	16930.506	9774.304	17138.323				
1790.000	0.000	0.000	15.890	16.025	9686.658	17090.107	9774.304	17299.301				
1800.000	0.000	0.000	15.722	15.883	9686.658	17247.903	9774.304	17458.583				
1810.000	0.000	0.000	15.415	15.574	9686.658	17403.374	9774.304	17615.660				
1820.000	0.000	0.000	15.053	15.203	9686.658	17555.569	9774.304	17769.401				
1830.000	0.000	0.000	14.764	14.935	9686.658	17704.589	9774.304	17920.026				
1840.000	0.000	0.000	14.600	14.762	9686.658	17851.393	9774.304	18068.499				

PK inicial		:		0.000					
PK final		:		2474.177					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.									
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA-	REAL--	PLANTA-	REAL--				
2220.000	0.000	0.000	15.805	16.171	11168.662	21866.721	11271.183	22147.478	
2230.000	0.000	0.000	16.130	16.505	11168.662	22026.394	11271.183	22310.857	
2240.000	0.000	0.000	16.531	16.918	11168.662	22189.694	11271.183	22477.973	
2250.000	0.000	0.000	17.008	17.392	11168.662	22357.382	11271.183	22649.527	
2260.000	0.000	0.000	17.526	17.863	11168.662	22530.050	11271.183	22825.803	
2270.000	0.000	0.000	18.096	18.416	11168.662	22708.162	11271.183	23007.199	
2280.000	0.000	0.000	18.713	19.021	11168.662	22892.207	11271.183	23194.383	
2290.000	0.000	0.000	19.353	19.618	11168.662	23082.539	11271.183	23387.578	
2300.000	0.000	0.000	20.981	21.106	11168.662	23284.200	11271.183	23591.189	
2310.000	0.000	0.000	21.617	21.739	11168.662	23497.167	11271.183	23805.396	
2320.000	0.000	0.000	22.152	22.288	11168.662	23715.989	11271.183	24025.513	
2330.000	0.000	0.000	21.925	21.926	11168.662	23936.361	11271.183	24246.571	
2340.000	0.000	0.000	22.496	22.498	11168.662	24158.460	11271.183	24468.685	
2350.000	0.000	0.000	23.160	23.161	11168.662	24386.736	11271.183	24696.976	
2360.000	0.000	0.000	24.600	24.756	11168.662	24625.523	11271.183	24936.552	
2370.000	0.000	0.000	25.401	25.604	11168.662	24875.491	11271.183	25188.327	
2380.000	0.000	0.000	26.340	26.507	11168.662	25134.121	11271.183	25448.835	
2390.000	0.000	0.000	27.219	27.341	11168.662	25401.862	11271.183	25718.058	
2400.000	0.000	0.000	28.033	28.099	11168.662	25678.169	11271.183	25995.338	
2410.000	0.000	0.000	28.845	28.878	11168.662	25962.803	11271.183	26280.493	
2420.000	0.000	0.000	27.707	27.708	11168.662	26245.935	11271.183	26563.807	
2430.000	0.000	0.000	28.138	28.139	11168.662	26525.569	11271.183	26843.451	
2440.000	0.000	0.000	28.539	28.541	11168.662	26809.402	11271.183	27127.299	
2450.000	0.000	0.000	28.172	28.244	11168.662	27093.226	11271.183	27411.521	
2460.000	0.000	0.000	26.048	26.535	11168.662	27363.246	11271.183	27684.469	
2470.000	0.000	0.000	30.794	31.449	11168.662	27644.487	11271.183	27971.565	
2474.177	0.000	0.000	35.647	36.394	11168.662	27781.791	11271.183	28111.814	

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V

pagina 1

PK inicial		:		0.000					
PK final		:		1539.102					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.									
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		-PLANTA-	-REAL-	-PLANTA-	-REAL-				
0.000	0.595	0.595	35.115	36.068	0.000	0.000	0.000	0.000	
10.000	0.481	0.499	28.655	28.841	5.336	318.588	5.433	324.523	
20.000	0.600	0.600	27.770	27.772	10.707	600.876	10.900	607.792	
30.000	0.600	0.600	27.749	27.750	16.710	878.760	16.904	885.688	
40.000	0.600	0.600	27.399	27.400	22.713	1154.786	22.907	1161.730	
50.000	0.600	0.600	26.895	26.897	28.715	1426.503	28.909	1433.468	
60.000	0.466	0.492	25.552	25.677	34.011	1688.800	34.339	1696.427	
70.000	0.479	0.499	24.052	24.264	38.668	1936.583	39.233	1945.963	
80.000	0.498	0.511	22.550	22.888	43.486	2169.119	44.224	2181.354	
90.000	0.512	0.521	21.266	21.606	48.475	2387.627	49.331	2403.362	
100.000	0.618	0.618	20.472	20.738	54.090	2595.818	54.995	2614.666	
110.000	0.605	0.605	20.456	20.663	60.195	2800.045	61.102	2821.313	
120.000	0.602	0.602	19.449	19.556	66.226	2999.304	67.133	3022.173	
130.000	0.617	0.617	18.994	19.039	72.318	3191.422	73.226	3215.059	
140.000	0.609	0.609	19.130	19.291	78.446	3381.962	79.354	3406.635	
150.000	0.601	0.601	18.273	18.394	84.495	3568.917	85.404	3595.005	
160.000	0.600	0.600	17.317	17.438	90.503	3746.857	91.412	3774.152	
170.000	0.599	0.599	16.429	16.554	96.502	3915.591	97.411	3944.112	
180.000	0.598	0.598	15.621	15.745	102.487	4075.842	103.396	4105.610	
190.000	0.597	0.597	14.789	14.888	108.459	4227.893	109.367	4258.778	
200.000	0.600	0.600	13.430	13.430	114.439	4368.987	115.348	4400.370	
210.000	0.960	0.990	12.967	13.024	122.235	4500.972	123.296	4532.642	
220.000	1.189	1.236	12.329	12.366	132.979	4627.454	134.426	4659.596	
230.000	1.361	1.414	11.910	11.930	145.730	4748.649	147.675	4781.079	
240.000	2.818	2.885	10.824	10.837	166.625	4862.321	169.167	4894.916	
250.000	2.472	2.538	11.177	11.192	193.078	4972.329	196.281	5005.061	
260.000	1.546	1.601	11.868	11.889	213.170	5087.556	216.973	5120.465	
270.000	1.387	1.427	12.057	12.082	227.837	5207.186	232.110	5240.320	
280.000	1.322	1.357	12.254	12.285	241.386	5328.742	246.029	5362.153	
290.000	1.257	1.288	12.443	12.482	254.280	5452.225	259.252	5485.984	
300.000	1.192	1.220	12.637	12.684	266.525	5577.624	271.794	5611.813	
310.000	1.148	1.177	12.784	12.844	278.230	5704.726	283.779	5739.455	
320.000	1.145	1.177	12.840	12.912	289.698	5832.845	295.545	5868.236	
330.000	1.155	1.188	12.859	12.934	301.200	5961.340	307.371	5997.469	
340.000	1.159	1.187	12.930	13.007	312.770	6090.285	319.251	6127.177	
350.000	1.133	1.148	13.131	13.207	324.229	6220.592	330.930	6258.248	
360.000	1.093	1.097	13.326	13.401	335.358	6352.877	342.156	6391.285	

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V

pagina 2

	PK inicial	:	0.000			
	PK final	:	1539.102			
	ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.	-----					
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN

	--PLANTA-	--REAL--	--PLANTA-	--REAL--														
370.000	0.680	0.680	13.865	13.931	344.223	6488.835	351.043	6527.942										
380.000	0.601	0.601	14.051	14.106	350.629	6628.416	357.448	6668.124										
390.000	0.600	0.600	14.135	14.187	356.634	6769.347	363.454	6809.588										
400.000	0.599	0.599	14.214	14.267	362.631	6911.093	369.451	6951.857										
410.000	0.597	0.597	14.291	14.341	368.612	7053.616	375.432	7094.895										
420.000	0.596	0.596	14.346	14.394	374.577	7196.798	381.397	7238.569										
430.000	0.595	0.595	14.377	14.425	380.531	7340.414	387.351	7382.663										
440.000	0.594	0.594	14.341	14.392	386.475	7484.004	393.296	7526.747										
450.000	0.595	0.595	14.273	14.328	392.421	7627.071	399.241	7670.347										
460.000	0.596	0.596	14.172	14.224	398.375	7769.292	405.195	7813.107										
470.000	0.597	0.597	14.064	14.113	404.341	7910.468	411.161	7954.791										
480.000	0.599	0.599	13.950	14.009	410.321	8050.534	417.141	8095.405										
490.000	0.599	0.599	13.848	13.910	416.309	8189.519	423.129	8235.001										
500.000	0.897	0.897	13.457	13.517	423.789	8326.043	430.610	8372.136										
510.000	1.091	1.092	13.172	13.227	433.734	8459.189	440.558	8505.857										
520.000	1.085	1.088	13.085	13.132	444.615	8590.474	451.462	8637.652										
530.000	1.112	1.119	12.951	12.991	455.596	8720.653	462.499	8768.266										
540.000	1.178	1.189	12.765	12.797	467.044	8849.232	474.038	8897.207										
550.000	1.331	1.346	12.477	12.504	479.589	8975.442	486.709	9023.711										
560.000	1.517	1.538	12.088	12.112	493.827	9098.269	501.125	9146.790										
570.000	6.879	6.882	6.482	6.483	535.807	9191.121	543.222	9239.764										
580.000	12.862	12.862	0.000	0.000	634.513	9223.533	641.942	9272.178										
590.000	12.929	12.930	0.000	0.000	763.469	9223.533	770.904	9272.178										
600.000	2.741	2.818	10.789	10.831	841.820	9277.477	849.643	9326.334										
610.000	4.786	4.878	8.857	8.888	879.457	9375.703	888.123	9424.931										
620.000	6.851	6.968	7.419	7.446	937.645	9457.081	947.354	9506.000										
630.000	9.045	9.173	5.219	5.241	1017.125	9520.270	1028.058	9570.034										
640.000	13.573	13.697	0.664	0.681	1130.215	9549.682	1142.404	9599.643										
650.000	13.927	14.068	0.298	0.305	1267.717	9554.489	1281.227	9604.569										
660.000	14.027	14.189	0.201	0.207	1407.485	9556.981	1422.513	9607.130										
670.000	13.951	14.120	0.271	0.284	1547.375	9559.338	1564.057	9609.589										
680.000	13.964	14.127	0.255	0.265	1686.954	9561.965	1705.287	9612.335										
690.000	13.771	13.926	0.443	0.458	1825.630	9565.457	1845.552	9615.952										
700.000	13.456	13.601	0.763	0.790	1961.766	9571.489	1983.188	9622.195										
710.000	13.000	13.129	1.231	1.272	2094.050	9581.460	2116.836	9632.509										
720.000	8.633	8.743	5.613	5.683	2202.217	9615.682	2226.196	9667.284										
730.000	6.642	6.741	7.610	7.700	2278.590	9681.797	2303.618	9734.195										

PK final		: 1539.102				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.	ANCHOS OCUPADOS				DESMONTE		TERRAPLEN		
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA-	REAL--	PLANTA-	REAL--				
1110.000	1.464	1.530	12.343	12.456	3490.312	13718.122	3528.847	13805.861	
1120.000	2.134	2.195	11.665	11.797	3508.287	13838.185	3547.459	13927.150	
1130.000	2.877	2.918	10.926	11.035	3533.320	13951.169	3573.007	14041.339	
1140.000	3.621	3.673	9.844	9.893	3565.785	14055.054	3605.937	14146.015	
1150.000	10.824	10.839	2.412	2.413	3637.999	14116.357	3678.484	14207.564	
1160.000	13.318	13.327	0.000	0.000	3758.713	14128.420	3799.316	14219.628	
1170.000	13.004	13.005	0.000	0.000	3890.322	14128.420	3930.975	14219.628	
1180.000	13.314	13.315	0.000	0.000	4021.906	14128.421	4062.571	14219.628	
1190.000	13.239	13.241	0.000	0.000	4154.665	14128.421	4195.346	14219.628	
1200.000	12.993	12.996	0.000	0.000	4285.823	14128.421	4326.530	14219.628	
1210.000	4.752	4.759	8.829	8.841	4374.531	14172.584	4415.288	14263.853	
1220.000	4.221	4.223	9.596	9.602	4419.365	14264.748	4460.161	14356.108	
1230.000	3.568	3.569	10.274	10.277	4458.281	14364.134	4499.088	14455.539	
1240.000	3.399	3.400	10.586	10.592	4493.091	14468.468	4533.905	14559.920	
1250.000	2.374	2.374	11.683	11.689	4521.933	14579.845	4562.749	14671.356	
1260.000	1.200	1.200	12.928	12.937	4539.789	14702.921	4580.606	14794.504	
1270.000	0.606	0.606	13.578	13.599	4548.819	14835.458	4589.636	14927.193	
1280.000	0.604	0.604	13.550	13.562	4554.872	14971.100	4595.689	15063.000	
1290.000	0.599	0.599	13.542	13.544	4560.888	15106.558	4601.705	15198.528	
1300.000	0.603	0.603	13.602	13.604	4566.897	15242.275	4607.714	15334.267	
1310.000	0.603	0.603	13.600	13.603	4572.928	15378.285	4613.746	15470.299	
1320.000	0.613	0.613	13.644	13.647	4579.009	15514.516	4619.827	15606.556	
1330.000	1.758	1.761	12.517	12.520	4590.780	15645.452	4631.615	15737.523	
1340.000	4.988	4.995	9.494	9.513	4624.046	15756.156	4664.932	15848.340	
1350.000	6.750	6.757	7.504	7.541	4681.764	15842.482	4722.724	15934.953	
1360.000	7.752	7.759	6.333	6.375	4753.070	15913.335	4794.108	16006.213	
1370.000	8.783	8.795	5.497	5.541	4834.553	15974.108	4875.689	16067.430	
1380.000	11.468	11.478	2.604	2.604	4934.973	16015.722	4976.221	16109.272	
1390.000	12.785	12.787	1.328	1.328	5055.861	16035.852	5097.171	16129.403	
1400.000	4.270	4.271	9.701	9.831	5141.155	16090.995	5182.481	16185.208	
1410.000	4.630	4.633	9.183	9.297	5185.759	16185.344	5227.106	16280.802	
1420.000	4.338	4.363	9.412	9.539	5230.390	16278.569	5271.883	16375.267	
1430.000	4.388	4.414	9.361	9.523	5273.799	16372.687	5315.554	16470.875	
1440.000	3.933	3.933	10.092	10.202	5315.399	16470.008	5357.287	16569.592	
1450.000	3.186	3.210	11.009	11.153	5350.630	16575.985	5392.636	16676.851	
1460.000	6.790	6.790	7.383	7.383	5399.431	16669.231	5441.552	16770.818	
1470.000	2.474	2.486	12.178	12.222	5445.012	16768.028	5487.195	16869.838	

Istram 18.05.05.29 17/01/19 18:49:59 1880

PROYECTO :

EJE: 55: V微 de servicio Dch. P.K. 108+500

		: 0.000				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.	ANCHOS OCUPADOS				DESMONTE		TERRAPLEN		
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA-	REAL--	PLANTA-	REAL--				
1480.000	4.784	4.812	10.289	10.348	5481.059	16880.838	5523.447	16983.164	
1490.000	5.174	5.197	9.794	9.849	5530.495	16981.726	5573.138	17084.615	
1500.000	6.143	6.167	8.997	9.092	5586.730	17076.015	5629.602	17179.643	
1510.000	11.934	11.982	2.428	2.456	5676.897	17133.378	5720.127	17237.615	
1520.000	11.962	12.079	2.979	3.085	5796.321	17160.493	5840.378	17265.399	
1530.000	12.559	12.758	3.263	3.506	5918.924	17191.705	5964.565	17298.355	
1539.102	15.311	15.831	0.700	0.743	6045.757	17209.745	6094.672	17317.695	

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V微 de servicio Dch. P.K. 110+800

		: 0.000				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.	ANCHOS OCUPADOS				DESMONTE		TERRAPLEN		
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA-	REAL--	PLANTA-	REAL--				
0.000	26.189	26.226	1.383	1.397	0.000	0.000	0.000	0.000	
10.000	0.000	0.000	22.776	22.843	130.947	120.795	131.130	121.200	
20.000	0.000	0.000	21.473	21.473	130.947	342.040	131.130	342.781	
30.000	0.000	0.000	21.052	21.052	130.947	554.673	131.130	555.416	
40.000	0.000	0.000	21.626	21.687	130.947	768.083	131.130	769.128	
50.000	0.000	0.000	20.091	20.092	130.947	976.731	131.130	978.081	
60.000	0.000	0.000	19.062	19.077	130.947	1172.748	131.130	1174.175	
70.000	0.000	0.000	18.174	18.189	130.947	1359.001	131.130	1360.575	
80.000	0.000	0.000	18.033	18.037	130.947	1540.057	131.130	1541.725	
90.000	0.000	0.000	16.614	16.615	130.947	1713.670	131.130	1715.359	
100.000	0.000	0.000	14.513	14.515	130.947	1869.654	131.130	1871.357	
110.000	0.000	0.000	12.609	12.610	130.947	2005.525	131.130	2007.247	
120.000	0.330	0.330	12.188	12.190	132.524	2129.881	132.706	2131.617	
130.000	3.585	3.585	8.308	8.308	151.505	2233.285	151.688	2235.030	
140.000	5.814	5.814	5.670	5.670	197.537	2304.400	197.720	2306.146	
150.000	11.115	11.115	0.000	0.000	281.842	2333.238	282.026	2334.985	
160.000	10.883	10.883	0.000	0.000	391.904	2333.238	392.090	2334.985	
170.000	10.836	10.836	0.000	0.000	500.523	2333.238	500.712	2334.985	
180.000	10.998	10.999	0.000	0.000	609.695	2333.238	609.886	2334.985	
190.000	11.251	11.252	0.000	0.000	720.946	2333.238	721.140	2334.985	

200.000	6.267	6.267	5.251	5.251	808.431	2359.622	808.628	2361.370	
210.000	4.459	4.459	7.265	7.265	861.623	2422.713	861.821	2424.463	
220.000	3.556	3.556	8.350	8.350	901.084	2501.551	901.284	2503.303	
230.000	3.202	3.203	8.749	8.749	934.128	2588.037	934.329	2589.792	
240.000	3.162	3.162	8.689	8.689	965.057	2676.434	965.259	2678.193	
250.000	3.172	3.173	8.673	8.674	995.757	2764.537	995.961	2766.303	
260.000	2.546	2.546	9.466	9.468	1023.424	2856.441	1023.629	2858.217	
270.000	1.401	1.401	10.756	10.759	1042.445	2958.504	1042.653	2960.298	
280.000	1.667	1.667	10.430	10.432	1057.188	3065.246	1057.399	3067.062	
290.000	1.042	1.042	10.960	10.962	1070.259	3172.835	1070.473	3174.670	
300.000	0.000	0.000	12.029	12.030	1075.319	3288.026	1075.533	3289.876	
310.000	0.000	0.000	13.209	13.211	1075.319	3414.324	1075.533	3416.186	
320.000	0.000	0.000	11.875	11.875	1075.319	3539.817	1075.533	3541.683	
330.000	0.000	0.000	11.947	11.947	1075.319	3658.943	1075.533	3660.809	
340.000	0.000	0.000	12.114	12.114	1075.319	3779.250	1075.533	3781.117	
350.000	0.000	0.000	12.164	12.164	1075.319	3900.642	1075.533	3902.508	
360.000	0.000	0.000	12.319	12.319	1075.319	4023.057	1075.533	4024.924	

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V微 de servicio Dch. P.K. 110+800

* * *									

900.000	2.289	2.306	9.085	9.144	2747.743	8586.872	2750.786	8602.951
910.000	2.371	2.403	8.906	8.968	2771.049	8676.823	2774.337	8693.505
920.000	2.488	2.524	8.676	8.723	2795.349	8764.727	2798.975	8781.952
930.000	2.686	2.721	8.345	8.374	2821.224	8849.822	2825.203	8867.432
940.000	2.862	2.903	8.028	8.050	2848.970	8931.682	2853.326	8949.545
950.000	3.083	3.131	7.668	7.682	2878.701	9010.159	2883.501	9028.199
960.000	4.251	4.296	6.432	6.440	2915.376	9080.656	2920.640	9098.807
970.000	4.822	4.861	5.869	5.876	2960.744	9142.159	2966.426	9160.384
980.000	4.309	4.347	6.431	6.445	3006.403	9203.655	3012.468	9221.984
990.000	4.390	4.440	6.319	6.338	3049.900	9267.401	3056.409	9285.891
1000.000	3.942	4.002	6.799	6.821	3091.562	9332.989	3098.623	9351.677
1010.000	4.113	4.166	6.658	6.676	3131.839	9400.275	3139.459	9419.161
1020.000	6.115	6.160	4.500	4.513	3182.981	9456.065	3191.088	9475.108
1030.000	7.066	7.134	3.409	3.418	3248.884	9495.609	3257.558	9514.766
1040.000	7.919	8.017	2.474	2.481	3323.809	9525.020	3333.315	9544.263
1050.000	10.670	10.671	0.000	0.000	3416.752	9537.388	3426.758	9556.667
1060.000	10.085	10.134	0.379	0.383	3520.527	9539.283	3530.784	9558.584
1070.000	10.298	10.336	0.186	0.188	3622.445	9542.108	3633.133	9561.440
1080.000	8.944	8.974	1.587	1.589	3718.657	9550.970	3729.683	9570.323
1090.000	10.106	10.141	0.452	0.461	3813.908	9561.163	3825.259	9580.569
1100.000	9.493	9.521	1.034	1.043	3911.903	9568.597	3923.573	9588.085

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V^{de} de servicio Dch. P.K. 110+800

* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												

PK inicial		:	0.000									
PK final		:	2680.539									
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL						
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA-	--REAL--	PLANTA-	--REAL--								
1110.000	7.877	7.934	2.680	2.692	3998.753	9587.171	4010.850	9606.760				
1120.000	7.545	7.583	3.069	3.080	4075.862	9615.916	4088.433	9635.623				
1130.000	10.277	10.278	0.000	0.000	4164.971	9631.260	4177.736	9651.024				
1140.000	7.444	7.463	3.283	3.293	4253.573	9647.674	4266.442	9667.488				
1150.000	6.219	6.239	4.625	4.648	4321.889	9687.214	4334.952	9707.191				
1160.000	5.659	5.680	5.259	5.300	4381.279	9736.634	4394.544	9756.930				
1170.000	6.056	6.095	4.761	4.830	4439.855	9786.730	4453.418	9807.582				
1180.000	6.547	6.606	3.999	4.091	4502.872	9830.526	4516.922	9852.190				
1190.000	10.153	10.155	0.000	0.000	4586.371	9850.518	4600.728	9872.647				
1200.000	10.280	10.281	0.000	0.000	4688.537	9850.518	4702.911	9872.647				
1210.000	10.670	10.670	0.000	0.000	4793.287	9850.518	4807.669	9872.647				
1220.000	9.142	9.144	1.805	1.805	4892.346	9859.543	4906.739	9881.672				
1230.000	3.393	3.393	7.765	7.766	4955.022	9907.393	4969.424	9929.527				
1240.000	2.472	2.472	8.840	8.842	4984.347	9990.418	4998.753	10012.565				
1250.000	1.047	1.047	10.443	10.445	5001.944	10086.832	5016.350	10108.996				
1260.000	0.000	0.000	11.680	11.682	5007.179	10197.446	5021.585	10219.627				
1270.000	0.000	0.000	11.860	11.862	5007.179	10315.143	5021.585	10337.344				
1280.000	0.000	0.000	12.036	12.039	5007.179	10434.621	5021.585	10456.848				
1290.000	0.000	0.000	12.193	12.196	5007.179	10555.768	5021.585	10578.025				
1300.000	0.000	0.000	12.323	12.326	5007.179	10678.350	5021.585	10700.637				
1310.000	0.000	0.000	12.573	12.578	5007.179	10802.832	5021.585	10825.159				
1320.000	0.000	0.000	12.657	12.661	5007.179	10928.983	5021.585	10951.358				
1330.000	0.000	0.000	13.326	13.453	5007.179	11058.897	5021.585	11081.930				
1340.000	0.000	0.000	13.468	13.654	5007.179	11192.864	5021.585	11217.466				
1350.000	0.000	0.000	13.575	13.759	5007.179	11328.077	5021.585	11354.534				
1360.000	0.000	0.000	13.636	13.804	5007.179	11464.132	5021.585	11492.353				
1370.000	0.000	0.000	13.672	13.852	5007.179	11600.674	5021.585	11630.634				
1380.000	0.000	0.000	13.612	13.809	5007.179	11737.097	5021.585	11768.941				
1390.000	0.000	0.000	13.534	13.756	5007.179	11872.830	5021.585	11906.768				
1400.000	0.000	0.000	13.393	13.572	5007.179	12007.468	5021.585	12043.407				
1410.000	0.000	0.000	13.184	13.314	5007.179	12140.356	5021.585	12177.835				
1420.000	0.000	0.000	13.074	13.232	5007.179	12271.650	5021.585	12310.566				
1430.000	0.000	0.000	12.865	13.051	5007.179	12401.347	5021.585	12441.981				
1440.000	0.000	0.000	12.628	12.846	5007.179	12528.814	5021.585	12571.466				
1450.000	0.000	0.000	11.632	11.633	5007.179	12650.113	5021.585	12693.865				
1460.000	2.281	2.281	9.697	9.785	5018.585	12756.755	5032.991	12800.956				
1470.000	3.099	3.110	8.556	8.624	5045.488	12848.018	5059.945	12892.998				

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V^{de} de servicio Dch. P.K. 110+800

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2680.539						
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--					
1480.000	3.189	3.206	8.403	8.477	5076.928	12932.812	5091.522	12978.503	
1490.000	3.244	3.270	8.091	8.180	5109.090	13015.284	5123.901	13061.787	
1500.000	3.256	3.289	7.669	7.770	5141.589	13094.087	5156.698	13141.533	
1510.000	4.146	4.186	6.538	6.637	5178.599	13165.122	5194.075	13213.567	
1520.000	4.608	4.655	5.924	6.026	5222.367	13227.434	5238.280	13276.882	
1530.000	3.194	3.241	7.986	8.074	5261.376	13296.984	5277.761	13347.379	
1540.000	3.136	3.190	7.794	7.880	5293.022	13375.886	5309.919	13427.147	
1550.000	3.552	3.617	7.712	7.789	5326.459	13453.417	5343.956	13505.491	
1560.000	3.682	3.762	7.633	7.700	5362.630	13530.142	5380.853	13582.932	
1570.000	3.938	4.017	7.456	7.508	5400.733	13605.584	5419.750	13658.967	
1580.000	4.476	4.559	7.019	7.064	5442.804	13677.956	5462.629	13731.827	
1590.000	5.388	5.465	6.204	6.237	5492.123	13744.068	5512.746	13798.335	

pagina 4

1600.000	6.396	6.486	5.682	5.712	5551.041	13803.493	5572.499	13858.081
1610.000	5.370	5.491	6.803	6.862	5609.870	13865.914	5632.382	13920.953
1620.000	5.693	5.839	6.465	6.548	5665.183	13932.253	5689.028	13988.004
1630.000	6.118	6.256	6.013	6.082	5724.239	13994.643	5749.502	14051.154
1640.000	6.667	6.782	5.434	5.478	5788.165	14051.880	5814.694	14108.958
1650.000	5.997	6.135	6.076	6.140	5851.487	14109.432	5879.281	14167.049
1660.000	4.549	4.660	6.996	7.084	5904.217	14174.791	5933.259	14233.167
1670.000	3.543	3.646	7.777	7.891	5944.675	14248.654	5974.789	14308.042
1680.000	2.931	3.021	7.883	8.002	5977.044	14326.951	6008.121	14387.510
1690.000	2.985	3.048	8.079	8.184	6006.622	14406.760	6038.467	14468.441
1700.000	3.049	3.089	8.201	8.286	6036.793	14488.162	6069.152	14550.789
1710.000	3.052	3.079	8.259	8.332	6067.299	14570.462	6099.987	14633.881
1720.000	3.262	3.297	7.928	7.986	6098.867	14651.393	6131.865	14715.471
1730.000	10.605	10.607	0.000	0.000	6168.201	14691.031	6201.384	14755.400
1740.000	10.038	10.040	0.000	0.000	6271.416	14691.031	6304.614	14755.400
1750.000	11.023	11.032	0.000	0.000	6376.722	14691.031	6409.974	14755.400
1760.000	10.209	10.220	0.000	0.000	6482.882	14691.031	6516.236	14755.400
1770.000	3.417	3.433	7.889	7.913	6551.010	14730.477	6584.502	14794.965
1780.000	3.007	3.014	8.711	8.760	6583.129	14813.476	6616.738	14878.330
1790.000	0.741	0.741	11.259	11.326	6601.869	14913.325	6635.516	14978.760
1800.000	0.000	0.000	12.283	12.351	6605.574	15031.037	6639.222	15097.147
1810.000	0.000	0.000	12.552	12.611	6605.574	15155.225	6639.222	15221.967
1820.000	0.000	0.000	12.819	12.875	6605.574	15282.091	6639.222	15349.404
1830.000	0.000	0.000	13.071	13.128	6605.574	15411.549	6639.222	15479.428
1840.000	0.000	0.000	13.226	13.273	6605.574	15543.040	6639.222	15611.441

2300.000	13.975	14.154	0.000	0.000	10196.211	17688.631	10272.647	17769.299
2310.000	13.979	14.179	0.000	0.000	10335.982	17688.631	10414.314	17769.299
2320.000	13.968	14.073	0.000	0.000	10475.720	17688.631	10555.576	17769.299
2330.000	13.940	14.052	0.000	0.000	10615.264	17688.631	10696.202	17769.299
2340.000	13.887	13.995	0.000	0.000	10754.403	17688.631	10836.437	17769.299
2350.000	13.783	13.825	0.000	0.000	10892.755	17688.631	10975.539	17769.299
2360.000	13.431	13.432	0.000	0.000	11028.825	17688.631	11111.825	17769.299
2370.000	13.343	13.343	0.000	0.000	11162.692	17688.631	11245.699	17769.299
2380.000	13.325	13.325	0.000	0.000	11296.030	17688.631	11379.038	17769.299
2390.000	13.316	13.316	0.000	0.000	11429.232	17688.631	11512.241	17769.299
2400.000	13.384	13.385	0.000	0.000	11562.731	17688.631	11645.745	17769.299
2410.000	13.682	13.683	0.000	0.000	11698.060	17688.631	11781.085	17769.299
2420.000	13.873	13.874	0.000	0.000	11835.801	17688.631	11918.836	17769.299
2430.000	14.061	14.062	0.000	0.000	11975.391	17688.631	12058.434	17769.299
2440.000	14.202	14.202	0.000	0.000	12116.569	17688.631	12199.618	17769.299
2450.000	14.287	14.288	0.000	0.000	12258.796	17688.631	12341.851	17769.299
2460.000	14.145	14.146	0.000	0.000	12400.657	17688.631	12483.717	17769.299
2470.000	12.995	12.995	0.000	0.000	12535.864	17688.631	12618.925	17769.299
2480.000	12.454	12.454	0.000	0.000	12662.474	17688.631	12745.535	17769.299
2490.000	8.378	8.379	3.368	3.368	12765.818	17705.995	12848.880	17786.663
2500.000	1.251	1.251	11.262	11.262	12813.205	17780.133	12896.267	17860.802
2510.000	0.000	0.000	13.193	13.214	12819.210	17902.948	12902.272	17983.723
2520.000	0.000	0.000	13.192	13.316	12819.210	18034.619	12902.272	18116.134
2530.000	5.326	5.350	7.176	7.423	12846.440	18135.220	12929.625	18218.592
2540.000	8.360	8.444	4.413	4.705	12915.843	18191.365	12999.566	18277.372
2550.000	10.448	10.485	0.000	0.000	13010.267	18212.548	13094.584	18299.966
2560.000	11.155	11.173	0.000	0.000	13118.238	18212.548	13202.824	18299.966
2570.000	10.750	10.762	0.000	0.000	13227.771	18212.548	13312.505	18299.966
2580.000	10.958	10.972	0.000	0.000	13336.385	18212.548	13421.248	18299.966

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V微 de servicio Dch. P.K. 110+800

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****								
PK inicial		:		0.000				
PK final		:		2680.539				
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.								
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN		
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----		
2590.000	11.181	11.205	0.000	0.000	13447.109	18212.548	13532.163	18299.966
2600.000	11.462	11.505	0.000	0.000	13560.315	18212.548	13645.705	18299.966
2610.000	11.205	11.247	0.373	0.385	13673.655	18214.415	13759.466	18301.893
2620.000	11.380	11.427	0.012	0.013	13786.612	18216.360	13872.868	18303.901
2630.000	11.323	11.359	0.000	0.000	13900.211	18216.422	13986.886	18303.966
2640.000	11.250	11.268	0.000	0.000	14013.136	18216.422	14100.086	18303.966
2650.000	11.201	11.228	0.000	0.000	14125.343	18216.422	14212.517	18303.966
2660.000	12.087	12.129	0.000	0.000	14241.655	18216.422	14329.174	18303.966
2670.000	15.943	15.950	0.000	0.000	14381.287	18216.422	14469.053	18303.966
2680.000	26.469	26.488	0.000	0.000	14590.757	18216.422	14678.654	18303.966
2680.539	26.940	26.953	0.000	0.000	14604.916	18216.422	14692.822	18303.966

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V微 de servicio Dch. P.K. 113+500

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****								
PK inicial		:		0.000				
PK final		:		3281.848				
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.								
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN		
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----		
0.000	13.526	13.561	0.000	0.000	0.000	0.000	0.000	0.000
10.000	12.921	12.970	0.000	0.000	132.231	0.000	132.649	0.000
20.000	12.208	12.248	0.697	0.758	257.868	3.512	258.730	3.820
30.000	10.684	10.709	2.723	2.799	372.240	20.884	373.427	21.888
40.000	9.629	9.771	4.733	4.829	473.348	58.758	475.354	60.620
50.000	8.106	8.242	6.187	6.358	561.317	113.978	564.674	117.134
60.000	6.200	6.307	7.849	8.190	632.388	184.701	636.927	190.335
70.000	7.717	7.804	10.074	10.585	701.065	275.494	706.557	285.279
80.000	0.000	0.000	0.000	0.000	738.857	326.799	744.778	339.089
90.000	0.000	0.000	0.000	0.000	738.857	326.799	744.778	339.089
100.000	0.000	0.000	0.000	0.000	738.857	326.799	744.778	339.089
110.000	0.000	0.000	0.000	0.000	738.857	326.799	744.778	339.089
120.000	0.000	0.000	0.000	0.000	738.857	326.799	744.778	339.089
130.000	8.339	8.339	9.965	9.966	778.825	378.071	784.747	390.363
140.000	8.436	8.436	5.798	5.798	859.994	459.249	865.919	471.544
150.000	10.969	10.969	3.685	3.685	955.062	508.292	960.987	520.588
160.000	12.153	12.153	2.302	2.302	1068.994	539.366	1074.920	551.661
170.000	12.921	12.921	1.219	1.219	1193.326	557.567	1199.252	569.862
180.000	12.280	12.280	0.956	0.956	1318.848	568.741	1324.774	581.036
190.000	10.725	10.725	2.049	2.049	1433.616	584.037	1439.542	596.333
200.000	7.775	7.775	5.190	5.190	1525.853	620.519	1531.779	632.815
210.000	0.000	0.000	13.174	13.174	1564.686	712.378	1570.612	724.673
220.000	0.000	0.000	13.412	13.412	1564.686	845.312	1570.612	857.607
230.000	2.390	2.390	11.089	11.089	1576.487	968.014	1582.413	980.309
240.000	2.446	2.446	11.262	11.262	1600.187	1080.375	1606.113	1092.670
250.000	2.464	2.464	11.451	11.451	1624.067	1194.851	1629.993	1207.146
260.000	2.474	2.474	11.649	11.649	1647.898	1311.607	1653.825	1323.902
270.000	2.064	2.064	12.228	12.228	1669.647	1432.480	1675.573	1444.775
280.000	3.278	3.278	10.675	10.675	1695.297	1548.592	1701.224	1560.889

290.000	8.333	8.334	5.210	5.211	1751.934	1629.738	1757.868	1642.039
300.000	0.106	0.106	14.414	14.416	1793.296	1728.970	1799.237	1741.290
310.000	9.339	9.340	5.583	5.583	1839.367	1830.137	1845.310	1842.471
320.000	6.554	6.554	7.618	7.618	1916.801	1898.089	1922.747	1910.426
330.000	3.631	3.631	10.361	10.362	1966.180	1989.971	1972.127	2002.310
340.000	2.187	2.187	12.192	12.193	1994.168	2104.502	2000.116	2116.845
350.000	1.901	1.901	12.517	12.517	2013.730	2229.589	2019.678	2241.935
360.000	1.456	1.456	12.860	12.860	2029.825	2357.719	2035.774	2370.067

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V微 de servicio Dch. P.K. 113+500

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****								
PK inicial		:		0.000				
PK final		:		3281.848				
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.								
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN		
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----		
370.000	1.004	1.004	13.163	13.164	2041.702	2488.633	2047.651	2500.985
380.000	1.759	1.759	12.015	12.015	2055.169	2615.095	2061.118	2627.452
390.000	2.716	2.717	10.716	10.717	2077.196	2729.214	2083.146	2741.576
400.000	1.476	1.476	11.916	11.916	2097.985	2842.595	2103.937	2854.963
410.000	1.096	1.096	12.198	12.199	2110.826	2963.190	2116.779	2975.566
420.000	0.665	0.665	12.586	12.587	2119.631	3087.110	2125.584	3099.495
430.000	0.988	0.988	12.204	12.205	2127.896	3211.060	2133.849	3223.452
440.000	12.111	12.112	0.578	0.578	2193.392	3274.970	2199.349	3287.367
450.000	12.561	12.561	0.000	0.000	2316.752	3277.861	2322.717	3290.257

990.000	0.000	0.000	14.902	14.915	3927.007	9610.829	3934.297	9641.219
1000.000	0.000	0.000	15.230	15.240	3927.007	9761.489	3934.297	9791.992
1010.000	0.000	0.000	15.455	15.459	3927.007	9914.912	3934.297	9945.489
1020.000	0.000	0.000	15.377	15.406	3927.007	10069.072	3934.297	10099.816
1030.000	7.052	7.302	9.140	9.452	3962.268	10191.655	3970.805	10224.106
1040.000	0.000	0.000	16.056	16.062	3997.518	10317.645	4007.302	10351.688
1050.000	0.000	0.000	15.117	15.306	3997.518	10473.545	4007.302	10508.562
1060.000	1.137	1.137	13.886	14.097	4003.178	10618.693	4012.963	10655.708
1070.000	1.461	1.461	13.590	13.804	4016.086	10756.327	4025.874	10795.472
1080.000	1.517	1.517	13.039	13.324	4030.854	10889.797	4040.645	10931.450
1090.000	1.673	1.674	12.420	12.608	4046.646	11017.442	4056.440	11061.476
1100.000	1.615	1.615	12.400	12.435	4062.892	11141.927	4072.690	11187.080

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V^{de} de servicio Dch. P.K. 113+500

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial :			0.000					
PK final :			3281.848					

ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----	-----
1110.000	1.286	1.286	12.141	12.221	4077.193	11264.986	4086.994	11310.712
1120.000	6.113	6.124	6.444	6.563	4114.126	11358.023	4123.989	11404.744
1130.000	10.198	10.236	2.614	2.644	4195.670	11403.308	4205.786	11450.779
1140.000	11.784	11.817	1.143	1.154	4305.512	11422.119	4315.982	11469.795
1150.000	13.078	13.115	0.000	0.000	4429.751	11427.836	4440.564	11475.562
1160.000	13.752	13.762	0.000	0.000	4563.722	11427.836	4574.768	11475.562
1170.000	5.852	5.862	6.400	6.422	4661.550	11459.909	4672.698	11507.747
1180.000	5.009	5.011	8.535	8.597	4715.546	11534.935	4726.760	11583.197
1190.000	0.969	0.975	13.339	13.502	4745.203	11644.544	4756.459	11693.928
1200.000	0.000	0.000	14.790	14.964	4750.037	11785.202	4761.322	11836.267
1210.000	0.000	0.000	14.895	15.101	4750.037	11933.669	4761.322	11986.640
1220.000	0.000	0.000	14.717	14.843	4750.037	12081.764	4761.322	12136.400
1230.000	0.041	0.041	13.980	14.040	4750.239	12225.285	4761.524	12280.853
1240.000	4.044	4.044	9.793	9.854	4770.628	12344.214	4781.914	12400.393
1250.000	11.024	11.050	2.705	2.835	4845.962	12406.720	4857.379	12463.854
1260.000	10.994	11.011	3.163	3.314	4956.054	12436.064	4967.686	12494.597
1270.000	12.795	12.869	3.078	3.263	5075.001	12467.273	5087.086	12527.481
1280.000	13.247	13.320	1.522	1.565	5205.216	12490.274	5218.028	12551.620
1290.000	13.638	13.685	0.586	0.600	5339.643	12500.810	5353.051	12562.446
1300.000	12.509	12.519	0.000	0.000	5470.378	12503.738	5484.071	12565.448
1310.000	13.118	13.128	0.190	0.191	5598.516	12504.688	5612.309	12566.404
1320.000	12.332	12.373	1.126	1.152	5725.768	12511.265	5739.818	12573.121
1330.000	11.921	12.022	1.321	1.392	5847.032	12523.498	5861.795	12585.843
1340.000	8.945	9.014	4.803	4.906	5951.359	12554.119	5966.974	12617.336
1350.000	12.808	12.822	0.172	0.173	6060.125	12578.995	6076.151	12642.735
1360.000	10.073	10.081	3.100	3.108	6174.522	12595.360	6190.656	12659.146
1370.000	9.872	9.913	3.654	3.679	6274.232	12629.140	6290.612	12693.089
1380.000	9.333	9.385	4.462	4.501	6370.276	12669.697	6387.118	12733.968
1390.000	10.108	10.138	3.299	3.319	6467.581	12708.382	6484.832	12772.948
1400.000	10.876	10.913	1.877	1.885	6572.645	12734.066	6590.232	12798.771
1410.000	10.861	10.903	1.915	1.924	6681.445	12752.843	6699.426	12817.636
1420.000	11.255	11.305	1.582	1.590	6792.161	12770.129	6810.600	12835.010
1430.000	12.641	12.676	0.003	0.003	6911.710	12777.954	6930.569	12842.877
1440.000	11.585	11.599	1.049	1.049	7032.780	12783.283	7051.876	12848.206
1450.000	10.432	10.454	2.443	2.443	7142.669	12800.955	7161.943	12865.878
1460.000	10.157	10.183	2.818	2.818	7245.322	12827.562	7264.832	12892.487
1470.000	10.908	10.932	2.040	2.040	7350.367	12852.137	7370.122	12917.061

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V^{de} de servicio Dch. P.K. 113+500

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial			:	0.000				
PK final			:	3281.848				

ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	PLANTA--	REAL--	PLANTA--	REAL--	-----	-----	-----	-----
1480.000	10.256	10.276	2.637	2.637	7455.921	12875.797	7475.892	12940.723
1490.000	10.409	10.429	2.416	2.418	7558.973	12901.353	7579.142	12966.288
1500.000	10.403	10.456	2.703	2.707	7662.737	12927.243	7683.273	12992.208
1510.000	10.263	10.316	2.704	2.709	7765.747	12954.585	7786.809	13019.595
1520.000	12.074	12.095	0.522	0.523	7877.243	12970.895	7898.670	13035.933
1530.000	12.400	12.419	0.000	0.000	7999.594	12973.530	8021.216	13038.576
1540.000	12.368	12.389	0.000	0.000	8123.447	12973.530	8145.270	13038.576
1550.000	10.211	10.284	2.793	2.814	8236.203	12987.660	8258.499	13052.811
1560.000	9.491	9.531	3.211	3.222	8334.420	13018.019	8357.281	13083.331
1570.000	10.294	10.333	2.152	2.164	8433.082	13045.134	8456.333	13110.561
1580.000	10.268	10.354	2.225	2.316	8535.650	13067.261	8559.525	13133.209
1590.000	10.520	10.645	2.625	2.638	8639.297	13091.779	8664.220	13158.256
1600.000	9.324	9.384	3.359	3.371	8738.181	13122.022	8764.020	13188.630
1610.000	8.897	8.944	3.942	3.986	8829.012	13158.788	8855.380	13225.681
1620.000	2.207	2.217	10.538	10.569	8884.460	13231.217	8911.109	13298.487
1630.000	1.440	1.440	11.365	11.396	8902.634	13340.759	8929.335	13408.339
1640.000	0.000	0.000	13.710	13.760	8909.741	13466.215	8936.443	13534.196
1650.000	0.000	0.000	14.333	14.435	8909.741	13606.415	8936.443	13675.153
1660.000	3.426	3.546	11.638	11.690	8926.635	13736.429	8953.929	13805.934
1670.000	0.000	0.000	15.372	15.630	8943.528	13871.671	8971.415	13942.723
1680.000	0.631	0.634	15.360	15.707	8946.653	14025.409	8974.555	14099.481

pagina 4

1690.000	1.537	1.547	14.895	15.292	8957.396	14176.838	8985.363	14254.615
1700.000	1.027	1.038	16.899	17.377	8970.102	14336.131	8998.175	14418.279
1710.000	0.000	0.000	16.917	17.307	8975.190	14505.512	9003.319	14592.000
1720.000	0.000	0.000	15.887	16.084	8975.190	14669.686	9003.319	14759.111
1730.000	0.000	0.000	16.055	16.292	8975.190	14829.578	9003.319	14921.180
1740.000	0.000	0.000	16.103	16.334	8975.190	14990.568	9003.319	15084.516
1750.000	0.000	0.000	16.304	16.545	8975.190	15152.790	9003.319	15249.105
1760.000	0.000	0.000	16.604	16.973	8975.190	15317.512	9003.319	15416.884
1770.000	0.000	0.000	15.894	16.135	8975.190	15480.206	9003.319	15582.640
1780.000	0.000	0.000	15.694	15.876	8975.190	15638.348	9003.319	15742.905
1790.000	0.000	0.000	15.540	15.752	8975.190	15794.678	9003.319	15901.212
1800.000	0.000	0.000	15.109	15.229	8975.190	15948.034	9003.319	16056.229
1810.000	0.000	0.000	14.602	14.651	8975.190	16096.666	9003.319	16205.703
1820.000	0.000	0.000	14.162	14.208	8975.190	16240.579	9003.319	16350.088
1830.000	0.000	0.000	14.199	14.248	8975.190	16382.441	9003.319	16492.426
1840.000	0.339	0.340	14.071	14.150	8976.891	16523.793	9005.025	16634.418

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V^{de} de servicio Dch. P.K. 113+500

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial :			0.000						
PK final :			3281.848						

ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-----	-----	-----	-----					
1850.000	0.000	0.000	14.541	14.604	8978.591	16666.844	9006.729	16778.171	
1860.000	0.000	0.000	14.770	14.836	8978.591	16813.397	9006.729	16925.364	
1870.000	0.000	0.000	14.972	15.074	8978.591	16962.111	9006.729	17074.921	
1880.000	0.198	0.200	14.478	14.582	8979.582	17109.375	9007.728	17223.220	
1890.000	0.000	0.000	15.320	15.424	8980.571	17258.369	9008.726	17373.256	
1900.000	0.000	0.000	15.688	15.785	8980.571	17413.408	9008.726	17529.300	
1910.000	0.000	0.000	15.911	15.950	8980.571	17571.414	9008.726	17687.986	
1920.000	0.000	0.000	16.349	16.392	8980.571	17732.759	9008.726	17849.742	
1930.000	0.000	0.000	16.623	16.651	8980.571	17897.711	9008.726	18015.053	
1940.000	0.000	0.000	16.590	16.590	8980.571	18063.897	9008.726	18181.383	
1950.000	0.000	0.000	17.013	17.014	8980.571	18232.075	9008.726	18349.565	
1960.000	0.000	0.000	17.530	17.531	8980.571	18405.047	9008.726	18522.546	
1970.000	0.000	0.000	18.255	18.258	8980.571	18584.363	9008.726	18701.884	
1980.000	0.000	0.000	18.257	18.271	8980.571	18767.393	9008.726	18885.000	
1990.000	0.000	0.000	18.280	18.289	8980.571	18950.594	9008.726	19068.351	
2000.000	0.000	0.000	18.191	18.200	8980.571	19133.510	9008.726	19251.322	
2010.000	0.000	0.000	17.887	17.895	8980.571	19314.449	9008.726	19432.348	
2020.000	0.000	0.000	17.431	17.438	8980.571	19491.550	9008.726	19609.527	
2030.000	0.000	0.000	16.760	16.764	8980.571	19662.968	9008.726	19781.003	
2040.000	0.000	0.000	15.965	15.968	8980.571	19827.012	9008.726	19945.086	
2050.000	0.000	0.000	15.392	15.396	8980.571	19984.192	9008.726	20102.303	
2060.000	0.000	0.000	14.899	14.902	8980.571	20136.021	9008.726	20254.164	
2070.000	2.500	2.500	11.397	11.398	8992.860	20268.043	9021.017	20386.208	
2080.000	5.578	5.579	8.291	8.292	9032.684	20367.277	9060.846	20485.546	
2090.000	9.678	9.678	5.364	5.436	9108.155	20436.403	9136.327	20554.958	
2100.000	12.305	12.331	5.365	6.006	9217.248	20491.098	9245.557	20613.293	
2110.000	0.677	0.682	15.344	15.427	9281.722	20595.765	9310.184	20721.646	
2120.000	7.946	8.211	10.277	10.771	9324.165	20725.138	9353.967	20853.910	
2130.000	6.612	6.922	11.297	11.710	9395.763	20834.463	9428.417	20967.772	
2140.000	6.001	6.564	11.941	12.294	9457.635	20951.913	9494.599	21089.035	
2150.000	5.092	5.600	13.053	13.327	9511.956	21078.061	9554.194	21218.300	
2160.000	4.380	4.793	13.170	13.507	9558.325	21210.336	9605.089	21353.616	
2170.000	4.535	5.238	12.198	12.404	9601.957	21338.118	9654.203	21484.096	
2180.000	4.974	5.437	11.711	11.838	9648.511	21458.417	9706.492	21606.048	
2190.000	5.922	6.245	10.213	10.303	9702.095	21568.757	9763.954	21717.471	
2200.000	6.149	6.191	8.832	8.931	9761.744	21664.612	9825.413	21814.280	
2210.000	3.186	3.189	10.382	10.389	9808.021	21761.141	9871.915	21911.344	

2390.000	0.000	0.000	17.311	17.319	11206.700	22773.070	11271.198	22924.235
2400.000	0.000	0.000	18.550	18.573	11206.700	22952.376	11271.198	23103.697
2410.000	0.000	0.000	22.111	22.405	11206.700	23155.678	11271.198	23308.583
2420.000	0.000	0.000	22.000	22.477	11206.700	23376.224	11271.198	23532.981
2430.000	0.000	0.000	27.098	27.590	11206.700	23621.702	11271.198	23783.301
2440.000	0.000	0.000	31.130	32.388	11206.700	23912.840	11271.198	24083.179
2450.000	0.000	0.000	28.109	29.117	11206.700	24209.076	11271.198	24390.743
2460.000	0.000	0.000	20.814	20.814	11206.700	24453.720	11271.198	24640.434
2470.000	0.000	0.000	18.782	18.782	11206.700	24651.701	11271.198	24838.418
2480.000	0.000	0.000	18.079	18.130	11206.700	24836.010	11271.198	25022.986
2490.000	0.000	0.000	16.737	16.776	11206.700	25010.093	11271.198	25197.523
2500.000	0.000	0.000	15.386	15.617	11206.700	25170.710	11271.198	25359.494
2510.000	3.997	4.003	10.111	10.169	11226.668	25298.220	11291.195	25488.450
2520.000	9.764	9.973	2.935	2.997	11295.431	25363.507	11361.033	25554.338
2530.000	11.124	11.241	2.083	2.113	11399.861	25388.604	11467.098	25579.895
2540.000	14.920	15.055	0.000	0.000	11530.100	25398.986	11598.600	25590.425
2550.000	14.540	14.603	0.000	0.000	11677.427	25398.986	11746.914	25590.425
2560.000	13.771	13.942	0.000	0.000	11819.046	25398.986	11889.698	25590.425
2570.000	14.303	14.550	0.884	1.030	11959.486	25403.387	12032.227	25595.552
2580.000	13.203	13.643	3.427	3.747	12097.110	25424.841	12173.285	25619.328

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

[illegible]

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial      :      0.000
PK final       :    3281.848
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P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA	REAL	PLANTA	REAL				
2590.000	12.342	12.622	5.046	5.487	12224.980	25467.012	12304.754	25665.291
2600.000	11.447	11.821	6.299	6.764	12344.113	25523.493	12427.156	25726.290
2610.000	10.733	11.074	7.154	7.719	12455.224	25590.488	12541.843	25798.422
2620.000	10.608	11.059	7.199	7.799	12562.144	25661.972	12652.725	25875.715
2630.000	10.220	10.838	7.291	7.885	12666.498	25734.146	12762.428	25953.843
2640.000	9.950	10.333	7.231	7.829	12767.560	25806.490	12868.499	26032.133
2650.000	9.737	10.155	7.117	7.648	12866.208	25877.979	12971.149	26109.253
2660.000	9.461	9.797	7.003	7.543	12962.415	25948.343	13071.124	26184.958
2670.000	9.157	9.521	7.078	7.618	13055.730	26018.522	13167.399	26260.528
2680.000	9.151	10.075	7.216	7.646	13147.497	26089.773	13266.155	26336.625
2690.000	9.454	10.278	6.882	7.393	13240.749	26160.052	13368.160	26411.601
2700.000	9.823	10.555	6.419	6.960	13337.356	26226.351	13472.559	26483.148
2710.000	9.970	10.682	5.971	6.547	13436.537	26288.103	13578.975	26550.475
2720.000	10.038	10.672	5.931	6.487	13536.795	26347.428	13685.976	26615.445
2730.000	9.792	10.312	6.174	6.609	13636.175	26407.775	13791.130	26680.732
2740.000	9.465	9.908	6.589	7.028	13732.703	26471.411	13892.475	26748.729
2750.000	9.381	9.701	6.379	6.660	13827.184	26536.079	13990.775	26816.991
2760.000	9.520	9.716	6.134	6.336	13921.937	26598.479	14088.109	26881.806
2770.000	12.759	13.008	3.005	3.168	14033.552	26644.035	14201.949	26929.185
2780.000	13.556	13.927	2.033	2.212	14165.298	26669.130	14336.795	26955.983
2790.000	13.525	13.800	2.043	2.172	14300.854	26689.427	14475.574	26977.817
2800.000	12.903	13.099	2.456	2.580	14433.142	26711.829	14610.212	27001.482
2810.000	12.725	12.915	2.579	2.714	14561.423	26736.902	14740.420	27027.843
2820.000	12.858	13.024	2.239	2.374	14689.471	26760.895	14870.242	27053.179
2830.000	12.844	12.928	2.110	2.178	14818.099	26782.553	15000.118	27075.847
2840.000	11.539	11.590	2.458	2.530	14940.102	26805.299	15122.793	27099.290
2850.000	10.897	10.926	2.677	2.742	15052.345	26830.866	15235.429	27125.544
2860.000	11.418	11.440	1.836	1.868	15163.967	26853.343	15347.301	27148.506
2870.000	12.397	12.438	0.579	0.594	15283.062	26865.373	15466.707	27160.769
2880.000	12.461	12.485	0.000	0.000	15407.355	26868.255	15591.321	27163.725
2890.000	12.050	12.051	0.000	0.000	15529.913	26868.255	15714.003	27163.725
2900.000	12.656	12.660	0.000	0.000	15653.438	26868.255	15837.555	27163.725
2910.000	13.175	13.180	0.000	0.000	15782.582	26868.255	15966.744	27163.725
2920.000	12.931	12.943	0.000	0.000	15913.124	26868.255	16097.366	27163.725
2930.000	12.960	12.984	0.000	0.000	16042.603	26868.255	16227.022	27163.725
2940.000	12.842	12.849	0.000	0.000	16171.621	26868.255	16356.191	27163.725
2950.000	12.688	12.693	0.000	0.000	16299.266	26868.255	16483.895	27163.725

Istram 18.05.05.29 18/01/19 11:22:08 1880

PROYECTO :

EJE: 57: V^{de} de servicio Dch. P.K. 113+500

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial      :      0.000
PK final       :    3281.848

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P. K.	ANCHOS OCUPADOS				ÁREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA	REAL	PLANTA	REAL				
2960.000	12.947	12.956	0.000	0.000	16427.441	26868.255	16612.141	27163.725
2970.000	13.021	13.029	0.000	0.000	16557.287	26868.255	16742.071	27163.725
2980.000	13.025	13.032	0.000	0.000	16687.523	26868.255	16872.380	27163.725
2990.000	12.993	12.998	0.000	0.000	16817.623	26868.255	17002.537	27163.725
3000.000	13.507	13.510	0.000	0.000	16950.128	26868.255	17135.083	27163.725
3010.000	14.143	14.145	0.000	0.000	17088.382	26868.255	17273.364	27163.725
3020.000	14.186	14.186	0.000	0.000	17230.026	26868.255	17415.023	27163.725
3030.000	14.112	14.113	0.000	0.000	17371.491	26868.255	17556.494	27163.725
3040.000	7.145	7.150	6.576	6.580	17477.656	26901.234	17662.685	27196.726
3050.000	7.069	7.072	6.668	6.671	17548.435	26967.767	17733.504	27263.298
3060.000	6.400	6.402	7.348	7.351	17615.383	27038.284	17800.481	27333.846
3070.000	7.787	7.790	6.808	6.811	17685.752	27109.628	17870.877	27405.217
3080.000	2.844	2.855	11.419	11.436	17738.329	27201.431	17923.522	27497.114

pagina 8

3090.000	13.878	13.879	0.368	0.368	17821.497	27260.783	18006.746	27556.547
3100.000	0.864	0.864	13.588	13.591	17894.892	27330.863	18080.146	27626.641
3110.000	1.794	1.794	12.334	12.336	17907.930	27461.063	18093.185	27756.864
3120.000	1.079	1.079	13.273	13.276	17922.024	27589.701	18107.282	27885.523
3130.000	1.958	1.959	12.107	12.109	17936.928	27717.214	18122.188	28013.055
3140.000	1.800	1.800	12.303	12.305	17955.379	27839.924	18140.642	28135.782
3150.000	1.565	1.566	12.596	12.597	17971.894	27965.046	18157.595	28260.920
3160.000	0.000	0.000	14.754	14.755	17979.574	28102.256	18164.840	28398.143
3170.000	0.000	0.000	15.222	15.222	17979.574	28252.441	18164.840	28548.337
3180.000	0.000	0.000	15.249	15.249	17979.574	28405.094	18164.840	28700.995
3190.000	0.000	0.000	15.248	15.248	17979.574	28557.879	18164.840	28853.785
3200.000	0.481	0.481	13.685	13.685	17981.930	28702.866	18167.195	28998.774
3210.000	0.000	0.000	14.566	14.567	17984.285	28844.432	18169.551	29140.343
3220.000	0.000	0.000	14.587	14.587	17984.285	28990.457	18169.551	29286.371
3230.000	0.000	0.000	14.797	14.797	17984.285	29137.618	18169.551	29433.532
3240.000	0.000	0.000	15.007	15.007	17984.285	29286.882	18169.551	29582.796
3250.000	0.000	0.000	15.243	15.243	17984.285	29438.356	18169.551	29734.270
3260.000	0.000	0.000	15.733	15.733	17984.285	29593.414	18169.551	29889.328
3270.000	0.000	0.000	20.126	20.126	17984.285	29772.991	18169.551	30068.905
3280.000	0.000	0.000	30.179	30.204	17984.285	30025.667	18169.551	30321.704
3281.848	0.000	0.000	31.008	31.042	17984.285	30082.624	18169.551	30378.714

Istram 18.05.05.29 18/01/19 11:22:09 1880

PROYECTO :

EJE: 75: V做 de servicio Dch. P.K. 116+500

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial          :          0.000
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PK final		:		1997.257									
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--									
0.000	0.000	0.000	14.785	14.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10.000	12.064	12.064	1.030	1.030	60.140	79.265	60.140	79.268					
20.000	11.950	11.950	1.001	1.001	179.879	89.898	179.883	89.901					
30.000	6.057	6.057	7.349	7.349	268.971	132.818	268.981	132.823					
40.000	8.432	8.433	5.427	5.427	339.755	198.515	339.768	198.524					
50.000	12.219	12.219	2.345	2.345	441.320	238.759	441.337	238.769					
60.000	11.945	11.945	2.583	2.583	560.471	264.439	560.491	264.451					
70.000	7.538	7.538	6.575	6.680	656.119	311.752	656.142	312.299					
80.000	5.222	5.222	8.248	8.260	718.267	387.829	718.291	388.968					
90.000	4.639	4.639	8.868	8.881	766.124	475.328	766.148	476.592					
100.000	6.508	6.509	7.522	7.529	820.277	559.241	820.303	560.609					
110.000	7.069	7.069	6.677	6.736	886.505	632.143	886.532	633.852					
120.000	6.613	6.614	6.576	6.577	953.639	699.900	953.667	701.910					
130.000	6.528	6.528	6.403	6.406	1018.404	765.869	1018.436	767.893					
140.000	5.276	5.277	7.912	7.970	1076.750	838.167	1076.787	840.497					
150.000	0.000	0.000	13.334	13.380	1102.933	944.613	1102.974	947.462					
160.000	0.000	0.000	13.594	13.626	1102.933	1079.253	1102.974	1082.489					
170.000	0.000	0.000	14.021	14.030	1102.933	1217.338	1102.974	1220.777					
180.000	0.000	0.000	14.444	14.456	1102.933	1359.679	1102.974	1363.223					
190.000	0.000	0.000	14.354	14.447	1102.933	1503.691	1102.974	1507.764					
200.000	0.000	0.000	14.612	14.741	1102.933	1648.554	1102.974	1653.739					
210.000	0.000	0.000	14.237	14.252	1102.933	1792.833	1102.974	1798.738					
220.000	0.000	0.000	14.192	14.201	1102.933	1935.002	1102.974	1941.031					
230.000	0.000	0.000	14.617	14.631	1102.933	2079.070	1102.974	2085.217					
240.000	0.000	0.000	15.362	15.399	1102.933	2228.999	1102.974	2235.399					
250.000	0.000	0.000	15.467	15.495	1102.933	2383.194	1102.974	2389.920					
260.000	0.000	0.000	15.477	15.500	1102.933	2538.016	1102.974	2545.002					
270.000	0.000	0.000	15.596	15.618	1102.933	2693.564	1102.974	2700.777					
280.000	0.000	0.000	15.304	15.343	1102.933	2848.423	1102.974	2855.942					
290.000	1.256	1.257	13.570	13.583	1109.060	2993.473	1109.105	3001.248					
300.000	1.624	1.626	14.067	14.119	1123.043	3132.924	1123.098	3141.022					
310.000	2.112	2.114	13.211	13.257	1141.154	3271.009	1141.228	3279.602					
320.000	2.870	2.871	13.022	13.144	1165.361	3404.131	1165.452	3413.579					
330.000	2.888	2.890	12.926	13.032	1193.372	3536.085	1193.482	3546.697					
340.000	3.126	3.129	12.877	13.040	1222.651	3667.410	1222.789	3679.398					
350.000	3.496	3.496	12.016	12.145	1254.914	3794.147	1255.609	3807.633					
360.000	3.653	3.655	11.305	11.429	1289.780	3912.778	1289.946	3927.575					

Istram 18.05.05.29 18/01/19 11:22:09 1880

PROYECTO :

EJE: 75: V^{do} de servicio Dch. P.K. 116+500

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
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PK inicial          :          0.000
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PK final		:		1997.257								
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL						
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	--PLANTA--	--REAL--	--PLANTA--	--REAL--								
370.000	4.700	4.704	9.496	9.500	1330.670	4018.250	1330.863	4033.710				
380.000	7.112	7.144	8.234	8.304	1388.727	4107.938	1389.099	4123.776				
390.000	9.498	9.539	6.189	6.319	1470.841	4180.874	1471.574	4197.729				
400.000	12.920	12.975	3.009	3.182	1582.355	4227.346	1583.564	4245.733				
410.000	14.198	14.353	1.951	2.148	1717.691	4252.334	1719.955	4272.582				
420.000	15.091	15.247	0.000	0.000	1864.072	4262.113	1867.897	4283.347				
430.000	14.739	14.809	0.000	0.000	2013.189	4262.113	2018.144	4283.347				
440.000	14.957	14.980	0.000	0.000	2161.640	4262.113	2167.058	4283.347				
450.000	15.285	15.310	0.000	0.000	2312.842	4262.113	2318.501	4283.347				
460.000	14.369	14.420	0.399	0.400	2461.137	4264.104	2467.176	4285.344				
470.000	15.572	15.643	0.000	0.000	2610.870	4266.094	2617.519	4287.342				

pagina 1

pagina 2

480.000	15.055	15.119	0.000	0.000	2764.034	4266.094	2771.358	4287.342
490.000	15.001	15.053	0.000	0.000	2914.347	4266.094	2922.250	4287.342
500.000	15.127	15.165	0.000	0.000	3065.015	4266.094	3073.371	4287.342
510.000	15.455	15.486	0.000	0.000	3217.948	4266.094	3226.652	4287.342
520.000	14.733	14.785	0.000	0.000	3368.910	4266.094	3378.035	4287.342
530.000	2.615	2.616	10.570	10.573	3455.674	4318.930	3465.066	4340.193
540.000	4.532	4.533	8.369	8.371	3491.440	4413.591	3500.841	4434.879
550.000	12.331	12.338	0.441	0.451	3575.771	4457.618	3585.215	4478.970
560.000	4.374	4.377	8.839	8.851	3659.295	4504.018	3668.793	4525.479
570.000	3.185	3.187	10.068	10.076	3697.090	4598.556	3706.615	4620.110
580.000	3.025	3.026	10.196	10.202	3728.136	4699.878	3737.681	4721.496
590.000	2.216	2.217	11.047	11.050	3754.340	4806.092	3763.897	4827.755
600.000	2.648	2.649	10.541	10.544	3778.664	4914.031	3788.229	4935.729
610.000	3.202	3.203	9.846	9.854	3807.916	5015.968	3817.489	5037.723
620.000	2.379	2.380	10.577	10.601	3835.821	5118.082	3845.401	5140.000
630.000	1.716	1.750	11.013	11.050	3856.298	5226.029	3866.050	5248.257
640.000	0.868	0.937	11.685	11.735	3869.216	5339.515	3879.485	5362.181
650.000	1.830	1.880	10.760	10.797	3882.706	5451.740	3893.572	5474.837
660.000	12.597	12.603	0.000	0.000	3954.843	5505.541	3965.991	5528.820
670.000	12.659	12.663	0.000	0.000	4081.122	5505.541	4092.320	5528.820
680.000	13.183	13.192	0.000	0.000	4210.328	5505.541	4221.592	5528.820
690.000	12.040	12.043	0.000	0.000	4336.443	5505.541	4347.766	5528.820
700.000	12.517	12.518	0.000	0.000	4459.230	5505.541	4470.572	5528.820
710.000	12.209	12.210	0.000	0.000	4582.861	5505.541	4594.212	5528.820
720.000	12.607	12.612	0.000	0.000	4706.943	5505.541	4718.321	5528.820
730.000	12.352	12.353	0.000	0.000	4831.739	5505.541	4843.145	5528.820

Istram 18.05.05.29 18/01/19 11:22:09 1880

PROYECTO :
EJE: 75: V

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial		:		0.000			
PK final		:		1997.257			
P.K.		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
		DESMONTE		TERRAPLEN		DESMONTE	
		PLANTA-- --REAL--		PLANTA-- --REAL--		DESMONTE	
						TERRAPLEN	
740.000	12.426	12.427	0.000	0.000	4955.630	5505.541	4967.044
750.000	12.457	12.457	0.000	0.000	5080.044	5505.541	5091.465
760.000	12.467	12.468	0.000	0.000	5204.661	5505.541	5216.090
770.000	3.459	3.485	9.607	9.687	5284.287	5553.576	5295.854
780.000	3.448	3.483	9.623	9.704	5318.822	5649.727	5330.694
790.000	3.455	3.498	9.520	9.594	5353.340	5745.443	5365.595
800.000	4.492	4.503	8.370	8.386	5393.076	5834.893	5405.597
810.000	3.675	3.720	9.022	9.102	5433.913	5921.854	5446.708
820.000	3.899	3.942	8.773	8.834	5471.787	6010.831	5485.017
830.000	5.848	5.863	6.804	6.853	5520.523	6088.719	5534.044
840.000	7.629	7.632	4.988	5.038	5587.908	6147.680	5601.519
850.000	12.397	12.398	0.000	0.000	5688.040	6172.620	5701.668
860.000	12.137	12.138	0.000	0.000	5810.712	6172.620	5824.350
870.000	13.104	13.105	0.000	0.000	5936.916	6172.620	5950.568
880.000	11.705	11.771	0.881	0.897	6060.959	6177.024	6074.951
890.000	9.056	9.098	3.264	3.271	6164.767	6197.747	6179.297
900.000	8.053	8.082	4.416	4.424	6250.313	6236.148	6265.199
910.000	8.863	8.883	3.563	3.572	6334.894	6276.045	6350.024
920.000	12.323	12.325	0.000	0.000	6440.827	6293.860	6456.065
930.000	12.600	12.602	0.000	0.000	6565.445	6293.860	6580.703
940.000	9.323	9.325	3.429	3.429	6675.060	6311.003	6690.339
950.000	6.270	6.271	6.591	6.592	6753.024	6361.101	6768.320
960.000	0.895	0.895	12.167	12.168	6788.848	6454.891	6804.152
970.000	0.242	0.242	12.932	13.058	6794.534	6580.386	6809.838
980.000	0.000	0.000	13.278	13.408	6795.745	6711.436	6811.049
990.000	0.000	0.000	13.373	13.507	6795.745	6844.690	6811.049
1000.000	0.000	0.000	13.356	13.529	6795.745	6978.335	6811.049
1010.000	1.429	1.429	11.763	11.765	6802.887	7103.933	6818.192
1020.000	3.285	3.285	9.694	9.695	6826.453	7211.221	6841.761
1030.000	1.364	1.364	11.689	11.864	6849.694	7318.135	6865.006
1040.000	6.623	6.624	6.258	6.402	6889.628	7407.867	6904.947
1050.000	8.554	8.560	4.166	4.288	6965.513	7459.988	6980.867
1060.000	9.039	9.057	3.514	3.647	7053.480	7498.391	7068.949
1070.000	9.214	9.244	3.228	3.370	7144.745	7532.101	7160.454
1080.000	9.575	9.611	2.802	2.956	7238.689	7562.254	7254.729
1090.000	9.743	9.775	2.668	2.793	7335.283	7589.607	7351.657
1100.000	9.611	9.636	2.839	2.956	7432.054	7617.140	7448.709

Istram 18.05.05.29 18/01/19 11:22:09 1880

PROYECTO :
EJE: 75: V

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial		:		0.000			
PK final		:		1997.257			
P.K.		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
		DESMONTE		TERRAPLEN		DESMONTE	
		PLANTA-- --REAL--		PLANTA-- --REAL--		DESMONTE	
						TERRAPLEN	
1110.000	9.849	9.870	2.668	2.812	7529.353	7644.672	7546.236
1120.000	7.806	7.821	4.861	4.995	7617.626	7682.318	7634.689
1130.000	6.119	6.123	6.811	6.934	7687.252	7740.677	7704.407
1140.000	1.500	1.501	11.665	11.778	7725.351	7833.055	7742.524
1150.000	3.931	3.932	9.166	9.193	7752.508	7937.213	7769.685
1160.000	5.910	5.911	7.095	7.119	7801.714	8018.520	7818.898
1170.000	6.518	6.524	6.515	6.557	7863.854	8086.572	7881.070

pagina 3

1180.000	6.817	6.838	6.280	6.330	7930.529	8150.548	7947.878	8202.245
1190.000	7.062	7.095	6.173	6.220	7999.927	8212.813	8017.542	8264.992
1200.000	7.975	7.992	5.280	5.316	8075.114	8270.082	8092.974	8322.672
1210.000	13.720	13.838	1.427	1.468	8183.588	8303.620	8202.125	8356.595
1220.000	13.833	13.983	1.629	1.697	8321.352	8318.902	8341.234	8372.419
1230.000	11.273	11.296	4.258	4.412	8446.883	8348.340	8467.632	8402.964
1240.000	11.783	11.816	3.306	3.405	8562.159	8386.161	8583.192	8442.053
1250.000	13.013	13.056	2.284	2.405	8686.136	8414.110	8707.549	8471.104
1260.000	13.235	13.286	2.483	2.656	8817.376	8437.943	8839.259	8496.408
1270.000	13.265	13.328	2.859	3.106	8949.880	8464.651	8972.330	8525.219
1280.000	13.156	13.197	3.187	3.493	9081.987	8494.878	9104.954	8558.213
1290.000	13.160	13.267	3.434	3.774	9213.566	8527.983	9237.273	8594.545
1300.000	13.144	13.235	3.476	3.842	9345.083	8562.535	9369.781	8632.625
1310.000	13.011	13.137	3.812	4.224	9475.855	8598.974	9501.642	8672.955
1320.000	12.857	13.020	4.019	4.448	9605.194	8638.126	9632.426	8716.316
1330.000	12.754	12.921	4.110	4.547	9733.251	8678.769	9762.129	8761.292
1340.000	12.751	12.907	4.074	4.507	9860.774	8719.688	9891.269	8806.563
1350.000	12.758	12.906	4.019	4.436	9988.319	8760.151	10020.332	8851.283
1360.000	12.209	12.343	4.013	4.446	10113.158	8800.311	10146.574	8895.694
1370.000	12.531	12.582	4.386	4.794	10236.859	8842.309	10271.196	8941.892
1380.000	10.877	10.901	5.011	5.407	10353.898	8889.297	10388.610	8992.896
1390.000	3.516	3.579	12.072	12.753	10425.863	8974.713	10461.009	9083.694
1400.000	1.684	1.716	14.029	14.698	10451.864	9105.220	10487.483	9220.947
1410.000	0.670	0.688	15.167	15.872	10463.635	9251.202	10499.503	9373.798
1420.000	0.574	0.580	15.361	15.933	10469.853	9403.841	10505.839	9532.822
1430.000	0.800	0.803	15.003	15.421	10476.720	9555.659	10512.752	9689.589
1440.000	8.882	8.960	8.511	8.881	10525.130	9673.228	10561.567	9811.100
1450.000	13.185	13.338	4.517	4.946	10635.466	9738.368	10673.056	9880.234
1460.000	13.635	13.831	4.091	4.591	10769.566	9781.411	10808.899	9927.914
1470.000	13.454	13.648	4.354	4.886	10905.011	9823.638	10946.295	9975.298

1880.000	0.000	0.000	18.541	18.552	12428.512	14739.948	12482.658	14996.657
1890.000	0.000	0.000	17.482	17.487	12428.512	14920.880	12482.658	15177.674
1900.000	0.000	0.000	20.075	20.113	12428.512	15109.600	12482.658	15366.623
1910.000	0.000	0.000	19.137	19.140	12428.512	15306.506	12482.658	15563.745
1920.000	0.000	0.000	20.373	20.376	12428.512	15504.515	12482.658	15761.782
1930.000	0.000	0.000	21.521	21.523	12428.512	15714.280	12482.658	15971.569
1940.000	0.000	0.000	22.455	22.456	12428.512	15934.320	12482.658	16191.626
1950.000	0.000	0.000	23.104	23.106	12428.512	16162.191	12482.658	16419.512
1960.000	0.000	0.000	23.378	23.380	12428.512	16394.617	12482.658	16651.955
1970.000	0.000	0.000	23.343	23.345	12428.512	16628.222	12482.658	16885.582
1980.000	0.000	0.000	23.182	23.185	12428.512	16860.847	12482.658	17118.232
1990.000	0.000	0.000	22.719	22.721	12428.512	17090.357	12482.658	17347.765
1997.257	0.000	0.000	22.734	22.736	12428.512	17255.285	12482.658	17512.708

Istram 18.05.05.29 17/01/19 18:50:03 1880
PROYECTO :
EJE: 60: Vía de servicio Dch. P.K. 117+500

pagina 1

***** DESBROCES *****												
*** cubicacion segun distancias compensadas ***												

PK inicial		:	0.000									
PK final		:	345.668									
ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL				
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL								
0.000	0.814	0.814	19.573	19.576	0.000	0.000	0.000		0.000			
10.000	0.812	0.813	18.021	18.042	8.245	187.238	8.248		187.359			
20.000	0.805	0.806	18.910	18.963	16.465	371.721	16.473		372.208			
30.000	0.805	0.806	18.723	18.738	24.658	559.932	24.678		560.754			
40.000	0.802	0.804	17.320	17.348	32.805	739.748	32.843		740.791			
50.000	0.803	0.805	16.199	16.242	40.935	906.951	40.993		908.357			
60.000	0.804	0.806	15.234	15.291	49.057	1063.609	49.139		1065.518			
70.000	2.531	2.549	12.505	12.564	66.203	1201.291	66.390		1203.781			
80.000	5.344	5.415	8.823	8.878	106.715	1306.102	107.354		1309.156			
90.000	12.032	12.137	3.509	3.526	195.304	1365.878	196.834		1369.285			
100.000	14.860	14.925	0.000	0.000	331.167	1382.645	333.551		1386.136			
110.000	15.760	15.834	0.000	0.000	484.960	1382.645	488.025		1386.136			
120.000	16.753	16.796	0.000	0.000	647.977	1382.645	651.617		1386.136			
130.000	17.471	17.519	0.000	0.000	819.459	1382.645	823.554		1386.136			
140.000	18.706	18.782	0.000	0.000	1000.789	1382.645	1005.509		1386.136			
150.000	18.694	18.849	0.000	0.000	1188.274	1382.645	1194.156		1386.136			
160.000	18.894	19.035	0.000	0.000	1376.488	1382.645	1383.853		1386.136			
170.000	18.276	18.478	0.000	0.000	1562.297	1382.645	1571.378		1386.136			
180.000	14.345	15.077	3.587	3.896	1724.874	1400.716	1738.635		1405.760			
190.000	11.137	12.245	6.450	6.647	1851.074	1451.266	1873.993		1458.860			
200.000	6.302	6.725	8.200	8.386	1937.236	1524.898	1967.680		1534.396			
210.000	6.024	6.126	9.660	9.719	1998.064	1614.984	2031.048		1625.682			
220.000	5.444	5.449	9.001	9.008	2054.215	1709.813	2087.175		1720.833			
230.000	3.856	4.441	10.242	10.468	2099.658	1807.794	2136.016		1819.964			
240.000	6.622	7.561	7.735	8.043	2150.994	1899.492	2194.782		1914.338			
250.000	9.069	9.730	5.517	5.650	2228.375	1967.714	2280.032		1984.806			
252.000	9.422	10.027	5.006	5.105	2246.687	1978.590	2299.599		1995.921			
260.000	12.284	12.816	1.480	1.500	2333.165	2005.383	2390.601		2023.202			
270.000	10.414	10.947	3.528	3.594	2446.381	2031.154	2509.140		2049.418			
280.000	9.393	9.863	4.447	4.648	2544.959	2071.880	2612.744		2091.512			
290.000	8.537	8.903	5.341	5.675	2634.199	2121.531	2706.171		2143.883			
300.000	7.949	8.213	6.088	6.215	2716.337	2179.189	2791.465		2203.865			
310.000	6.499	6.583	7.647	7.700	2788.411	2248.162	2865.279		2273.738			
320.000	2.976	2.986	11.910	11.945	2835.660	2346.183	2912.993		2372.200			
330.000	3.391	3.408	11.581	11.636	2867.383	2463.863	2944.853		2490.332			
340.000	4.520	4.545	10.961	11.260	2906.804	2576.865	2984.488		2605.112			
342.000	5.787	5.816	9.609	9.903	2917.080	2597.506	2994.818		2626.348			

Istram 18.05.05.29 17/01/19 18:50:03 1880
PROYECTO :
EJE: 60: Vía de servicio Dch. P.K. 117+500

pagina 2

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Istram 18.05.05.29 12/07/18 21:30:17 459
PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

pagina 1

***** DESBROCES *****									
*** cubicacion segun distancias compensadas ***									

P.K.		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
		PLANTA	REAL	PLANTA	REAL				
	PK inicial	:	0.000						
	PK final	:	1213.365						
0.000	11.795	11.795	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	11.679	11.679	0.000	0.000	117.368	0.000	117.368	0.000	0.000

20.000	11.575	11.575	0.000	0.000	233.634	0.000	233.634	0.000
30.000	11.476	11.476	0.000	0.000	348.885	0.000	348.886	0.000
40.000	11.567	11.567	0.000	0.000	464.097	0.000	464.098	0.000
50.000	11.614	11.614	0.000	0.000	580.001	0.000	580.003	0.000
60.000	11.606	11.606	0.000	0.000	696.102	0.000	696.105	0.000
70.000	11.556	11.556	0.000	0.000	811.912	0.000	811.916	0.000
80.000	11.573	11.573	0.000	0.000	927.554	0.000	927.559	0.000
90.000	11.732	11.732	0.000	0.000	1044.078	0.000	1044.084	0.000
100.000	11.930	11.930	0.000	0.000	1162.389	0.000	1162.397	0.000
110.000	6.740	6.741	5.415	5.416	1255.741	27.077	1255.751	27.079
120.000	4.904	4.904	7.367	7.367	1313.963	90.990	1313.974	90.994
130.000	4.422	4.422	7.920	7.921	1360.593	167.428	1360.606	167.434
140.000	4.099	4.099	8.291	8.291	1403.199	248.484	1403.213	248.492
150.000	4.108	4.108	8.270	8.270	1444.236	331.289	1444.250	331.298
160.000	4.859	4.859	7.408	7.409	1489.072	409.682	1489.087	409.693
170.000	7.479	7.479	4.657	4.657	1550.759	470.008	1550.775	470.019
180.000	9.957	9.957	2.059	2.059	1637.939	503.584	1637.956	503.596
190.000	11.852	11.853	0.000	0.000	1746.987	513.876	1747.006	513.889
200.000	11.701	11.701	0.000	0.000	1864.752	513.876	1864.773	513.889
210.000	11.573	11.574	0.000	0.000	1981.122	513.876	1981.145	513.889
219.447	11.549	11.550	0.000	0.000	2090.342	513.876	2090.367	513.889
220.000	11.549	11.549	0.000	0.000	2096.724	513.876	2096.749	513.889
230.000	11.549	11.549	0.000	0.000	2212.128	513.876	2212.154	513.889
240.000	11.556	11.556	0.000	0.000	2327.565	513.876	2327.593	513.889
250.000	11.655	11.656	0.000	0.000	2443.534	513.876	2443.563	513.889
260.000	11.790	11.790	0.000	0.000	2560.674	513.876	2560.705	513.889
270.000	11.519	11.519	0.436	0.436	2677.131	516.056	2677.162	516.068
280.000	8.209	8.209	3.908	3.908	2775.685	537.773	2775.717	537.786
290.000	5.614	5.614	6.625	6.625	2844.720	590.426	2844.752	590.439
300.000	4.378	4.378	7.950	7.950	2894.603	663.284	2894.635	663.297
310.000	3.863	3.863	8.519	8.519	2935.737	745.607	2935.769	745.620
320.000	3.781	3.781	8.610	8.610	2973.891	831.225	2973.924	831.238
330.000	4.183	4.183	8.148	8.148	3013.645	914.988	3013.677	915.001
340.000	6.200	6.200	6.014	6.014	3065.487	985.774	3065.519	985.787
350.000	9.791	9.791	2.273	2.273	3145.355	1027.198	3145.388	1027.211

Istram 18.05.05.29 12/07/18 21:30:17 459
PROYECTO :
EJE: 49: V^{do} de servicio Dch. P.K. 98+100

pagina 2

***** DESBROCES *****									
*** cubicacion segun distancias compensadas ***									

PK inicial		:		0.000					
PK final		:		1213.365					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	PLANTA	REAL	PLANTA	REAL					
360.000	7.438	7.438	4.727	4.727	3231.412	1062.191	3231.445	1062.040	
370.000	3.380	3.380	9.145	9.146	3285.432	1131.529	3285.466	1131.545	
380.000	3.964	3.964	8.472	8.472	3322.087	1219.585	3322.123	1219.604	
390.000	11.716	11.717	0.000	0.000	3400.404	1261.931	3400.446	1261.953	
400.000	11.659	11.659	0.000	0.000	3517.190	1261.931	3517.237	1261.953	
410.000	11.721	11.721	0.000	0.000	3634.000	1261.931	3634.047	1261.953	
420.000	11.831	11.831	0.000	0.000	3751.669	1261.931	3751.716	1261.953	
430.000	11.827	11.827	0.153	0.153	3869.868	1262.695	3869.915	1262.716	
440.000	8.617	8.617	3.496	3.496	3971.998	1280.937	3972.045	1280.959	
450.000	6.585	6.585	5.614	5.614	4047.923	1326.477	4047.970	1326.499	
457.115	5.990	5.990	6.238	6.238	4092.604	1368.626	4092.651	1368.648	
460.000	5.913	5.913	6.320	6.320	4109.795	1386.746	4109.843	1386.768	
470.000	6.155	6.155	6.062	6.062	4170.210	1448.677	4170.257	1448.699	
480.000	7.687	7.687	4.465	4.465	4239.503	1501.328	4239.550	1501.350	
490.000	10.454	10.454	1.583	1.583	4330.297	1531.576	4330.344	1531.597	
500.000	11.888	11.888	0.000	0.000	4442.100	1539.492	4442.147	1539.514	
510.000	11.740	11.740	0.000	0.000	4560.332	1539.492	4560.379	1539.514	
520.000	11.643	11.643	0.000	0.000	4677.335	1539.492	4677.383	1539.514	
530.000	11.621	11.621	0.000	0.000	4793.742	1539.492	4793.789	1539.514	
540.000	11.674	11.674	0.000	0.000	4910.301	1539.492	4910.348	1539.514	
550.000	11.801	11.801	0.000	0.000	5027.764	1539.492	5027.811	1539.514	
560.000	11.273	11.273	0.731	0.731	5143.225	1543.147	5143.272	1543.169	
570.000	5.191	5.191	7.089	7.089	5225.627	1582.258	5225.674	1582.279	
580.000	2.287	2.287	10.294	10.294	5263.073	1669.209	5263.120	1669.231	
590.000	0.750	0.750	12.121	12.121	5278.280	1781.356	5278.327	1781.378	
600.000	0.750	0.750	12.346	12.346	5285.786	1903.787	5285.834	1903.809	
610.000	0.750	0.750	12.497	12.497	5293.292	2028.098	5293.339	2028.120	
620.000	0.750	0.750	12.572	12.572	5300.797	2153.538	5300.845	2153.559	
630.000	0.750	0.750	12.572	12.572	5308.303	2279.356	5308.351	2279.377	
640.000	0.750	0.750	12.498	12.498	5315.809	2404.801	5315.856	2404.823	
650.000	0.750	0.750	12.357	12.357	5323.316	2529.169	5323.363	2529.191	
660.000	0.750	0.750	12.207	12.207	5330.822	2652.085	5330.870	2652.107	
670.000	0.750	0.750	12.216	12.224	5338.328	2774.295	5338.375	2774.357	
730.000	0.694	0.696	12.236	12.253	5381.693	3508.420	5381.805	3509.237	
740.000	1.498	1.499	11.389	11.408	5392.659	3626.646	5392.787	3627.645	
750.000	0.763	0.763	12.125	12.145	5403.970	3744.319	5404.103	3745.515	
760.000	0.742	0.742	12.048	12.067	5411.501	3865.282	5411.635	3866.677	

Istram 18.05.05.29 12/07/18 21:30:17 459
PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

pagina 3

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* * *           D E S B R O C E S           * * *
* * * cubicacion segun distancias compensadas * * *
=====
PK inicial      :           0.000
PK final        :      1213.365
=====
P.K.  ANCHOS OCUPADOS      AREA DE DESBROCE EN PLANTA      SUPERFICIE REAL
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DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
PLANTA--	REAL--	PLANTA--	REAL--				
770.000	3.975	3.984	8.647	8.657	5435.112	3968.830	5435.293
780.000	6.261	6.270	5.600	5.602	5486.350	4040.101	5486.628
790.000	8.368	8.372	3.436	3.437	5559.571	4085.293	5559.915
800.000	11.751	11.754	0.000	0.000	5660.249	4102.477	5660.625
810.000	15.863	15.864	0.000	0.000	5798.374	4102.477	5798.771
820.000	14.009	14.010	0.000	0.000	5947.773	4102.477	5948.184
830.000	12.694	12.694	0.000	0.000	6081.354	4102.477	6081.770
840.000	11.848	11.848	0.000	0.000	6204.144	4102.477	6204.560
850.000	11.605	11.605	0.000	0.000	6321.499	4102.477	6321.915
860.000	11.610	11.610	0.000	0.000	6437.669	4102.477	6438.085
870.000	11.556	11.556	0.000	0.000	6553.594	4102.477	6554.010
880.000	11.441	11.441	0.000	0.000	6668.671	4102.477	6669.088
890.000	11.591	11.591	0.000	0.000	6783.921	4102.477	6784.337
900.000	11.741	11.741	0.000	0.000	6900.673	4102.477	6901.089
910.000	11.891	11.891	0.000	0.000	7018.926	4102.477	7019.343
920.000	10.234	10.234	1.807	1.807	7129.643	4111.515	7130.060
930.000	6.634	6.634	5.557	5.557	7214.069	4148.344	7214.486
940.000	4.136	4.136	8.205	8.205	7267.996	4217.172	7268.413
950.000	2.936	2.936	9.569	9.569	7303.420	4306.077	7303.836
957.925	2.087	2.087	10.543	10.543	7323.360	4385.811	7323.776
960.000	1.903	1.903	10.754	10.754	7327.498	4407.904	7327.915
970.000	1.260	1.260	11.499	11.499	7343.289	4519.089	7343.705
980.000	1.476	1.476	11.279	11.279	7356.913	4632.779	7357.330
990.000	2.278	2.278	10.399	10.399	7375.550	4740.904	7375.966
1000.000	3.421	3.421	9.132	9.132	7403.757	4838.315	7404.173
1010.000	4.952	4.952	7.413	7.413	7445.111	4920.899	7445.527
1020.000	7.174	7.196	4.557	4.564	7505.020	4980.694	7505.548
1030.000	7.690	7.690	4.237	4.238	7578.469	5024.645	7579.110
1040.000	5.596	5.597	6.732	6.734	7643.892	5079.505	7644.536
1041.259	4.980	4.981	7.381	7.382	7650.418	5088.386	7651.063
1050.000	3.322	3.323	9.394	9.394	7685.937	5161.504	7686.583
1060.000	0.752	0.752	12.627	12.628	7705.899	5270.844	7706.546
1070.000	0.751	0.751	13.365	13.366	7713.340	5399.622	7713.987
1080.000	0.749	0.749	14.128	14.129	7720.768	5535.841	7721.417
1090.000	0.747	0.747	15.107	15.108	7728.179	5680.700	7728.827
1100.000	0.755	0.755	16.256	16.257	7735.617	5836.110	7736.266
1110.000	0.753	0.753	17.660	17.662	7743.087	6004.169	7743.736

Istram 18.05.05.29 12/07/18 21:30:17 459

PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
PLANTA--	REAL--	PLANTA--	REAL--				
1120.000	0.749	0.749	18.573	18.593	7750.525	6183.599	7751.174
1130.000	0.703	0.705	19.866	19.897	7757.699	6373.799	7758.357
1140.000	0.729	0.729	21.863	21.870	7764.772	6580.327	7765.439
1150.000	0.718	0.719	22.658	22.673	7771.928	6800.689	7772.598
1160.000	0.730	0.730	23.891	23.901	7779.090	7031.190	7779.764
1170.000	0.754	0.754	24.902	24.910	7786.439	7273.145	7787.115
1180.000	0.929	0.945	24.631	24.640	7794.830	7518.908	7795.588
1190.000	0.611	0.631	24.410	24.581	7802.476	7762.098	7803.417
1193.642	0.701	0.703	22.922	22.971	7804.823	7847.398	7805.805

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :
EJE: 52: V^{de} de servicio Izq. P.K 102+200

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
PLANTA--	REAL--	PLANTA--	REAL--				
0.000	30.789	30.805	0.000	0.000	0.000	0.000	0.000
10.000	0.000	0.000	23.472	23.474	148.843	116.138	148.922
20.000	0.000	0.000	17.556	17.557	148.843	320.121	148.922
30.000	0.000	0.000	21.446	21.450	148.843	515.531	148.922
40.000	0.000	0.000	20.870	20.872	148.843	727.801	148.922
50.000	0.000	0.000	20.088	20.090	148.843	933.355	148.922
60.000	0.000	0.000	19.112	19.113	148.843	1130.221	148.922
70.000	0.000	0.000	18.149	18.151	148.843	1317.421	148.922
74.903	0.000	0.000	17.738	17.739	148.843	1405.821	148.922
80.000	0.000	0.000	17.380	17.381	148.843	1495.708	148.922
90.000	0.000	0.000	16.789	16.790	148.843	1667.104	148.922
100.000	0.000	0.000	16.317	16.317	148.843	1832.960	148.922
110.000	0.000	0.000	15.962	15.962	148.843	1994.519	148.922
120.000	0.000	0.000	15.805	15.806	148.843	2153.421	148.922
128.903	0.000	0.000	15.865	15.866	148.843	2294.412	148.922
130.000	0.000	0.000	15.874	15.874	148.843	2311.821	148.922
140.000	0.000	0.000	15.969	15.970	148.843	2471.031	148.922
150.000	0.000	0.000	16.043	16.044	148.843	2631.116	148.922
160.000	0.000	0.000	16.237	16.238	148.843	2792.608	148.922
170.000	0.000	0.000	16.170	16.171	148.843	2954.849	148.922
180.000	0.000	0.000	17.586	17.594	148.843	3123.887	148.922

184.480	0.000	0.000	18.362	18.362	148.843	3204.641	148.922	3204.883
190.000	0.000	0.000	18.674	18.679	148.843	3307.236	148.922	3307.493
200.000	9.031	9.033	5.822	5.823	193.012	3431.009	193.097	3431.299
202.056	13.653	13.658	2.223	2.223	215.947	3439.600	216.040	3439.893

Istram 18.05.05.29 24/01/19 11:46:29 459

PROYECTO :
EJE: 58: V^{de} de servicio Izq. P.K. 114+900

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
PLANTA--	REAL--	PLANTA--	REAL--				
0.000	7.245	7.257	0.000	0.000	0.000	0.000	0.000
10.000	7.262	7.265	0.000	0.000	72.531	0.000	72.612
20.000	7.387	7.390	0.000	0.000	145.775	0.000	145.889
30.000	7.223	7.225	0.000	0.000	218.826	0.000	218.963
40.000	7.401	7.413	0.000	0.000	291.948	0.000	292.150
50.000	7.675	7.698	0.000	0.000	367.330	0.000	367.704
60.000	7.972	8.010	0.000	0.000	445.567	0.000	446.242
70.000	7.950	8.005	0.000	0.000	525.178	0.000	526.317
80.000	7.921	7.969	0.000	0.000	604.532	0.000	606.191
90.000	7.874	7.925	0.000	0.000	683.507	0.000	685.665
100.000	7.750	7.801	0.000	0.000	761.627	0.000	764.295
110.000	7.629	7.677	0.000	0.000	838.522	0.000	841.684
120.000	7.541	7.543	0.000	0.000	914.376	0.000	917.787
130.000	7.578	7.673	0.000	0.000	989.972	0.000	993.870
140.000	7.517	7.594	0.000	0.000	1065.447	0.000	1070.209
150.000	7.498	7.550	0.000	0.000	1140.523	0.000	1145.930
160.000	7.239	7.382	0.000	0.000	1214.211	0.000	1220.587
170.000	7.128	7.240	0.000	0.000	1286.048	0.000	1293.693
180.000	7.177	7.180	0.000	0.000	1357.577	0.000	1365.792
190.000	7.379	7.538	0.000	0.000	1430.360	0.000	1439.382
200.000	7.347	7.501	0.000	0.000	1503.992	0.000	1514.574
210.000	7.369	7.459	0.000	0.000	1577.575	0.000	1589.374
220.000	7.527	7.634	0.000	0.000	1652.054	0.000	1664.842
230.000	7.766	7.868	0.000	0.000	1728.516	0.000	1742.357
240.000	8.063	8.200	0.000	0.000	1807.657	0.000	1822.700
250.000	7.122	7.122	0.844	0.845	1883.578	4.222	1899.308
260.000	7.930	8.014	0.665	0.687	1958.837	11.767	1974.984
270.000	8.165	8.258	0.178	0.186	2039.314	15.982	2056.344
280.000	7.762	7.763	0.000	0.000	2118.948	16.873	2136.452
290.000	8.108	8.144	0.000	0.000	2198.298	16.873	2215.987
300.000	7.821	7.844	0.000	0.000	2277.947	16.873	2295.924
310.000	7.850	7.882	0.000	0.000	2356.304	16.873	2374.552
320.000	7.781	7.829	0.000	0.000	2434.458	16.873	2453.106
330.000	7.712	7.761	0.000	0.000	2511.921	16.873	2531.053
340.000	7.698	7.723	0.000	0.000	2588.972	16.873	2608.472
350.000	7.711	7.750	0.000	0.000	2666.019	16.873	2685.836
360.000	7.768	7.941	0.078	0.088	2743.411	17.264	2764.291

Istram 18.05.05.29 24/01/19 11:46:29 459

PROYECTO :
EJE: 58: V^{de} de servicio Izq. P.K. 114+900

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
PLANTA--	REAL--	PLANTA--	REAL--				
370.000	7.718	7.890	0.071	0.092	2820.840	18.008	2843.446
380.000	7.766	7.912	0.156	0.189	2898.263	19.143	2922.454
390.000	7.690	7.820	0.509	0.539	2975.545	22.468	3001.114
400.000	7.734	7.907	0.368	0.443	3052.665	26.849	3079.750

670.000	7.343	7.368	0.000	0.000	5057.196	31.211	5092.826	33.736
680.000	7.272	7.294	0.000	0.000	5130.269	31.211	5166.136	33.736
690.000	7.259	7.271	0.000	0.000	5202.922	31.211	5238.962	33.736
700.000	7.101	7.108	0.000	0.000	5274.724	31.211	5310.857	33.736
710.000	7.244	7.244	0.000	0.000	5346.449	31.211	5382.616	33.736
720.000	7.261	7.261	0.000	0.000	5418.971	31.211	5455.139	33.736
730.000	7.246	7.246	0.000	0.000	5491.503	31.211	5527.671	33.736

Istram 18.05.05.29 24/01/19 11:46:29 459

PROYECTO :

EJE: 58: V微 de servicio Izq. P.K. 114+900

		* * *		D E S B R O C E S		* * *	
		=====					
PK inicial		:	0.000				
PK final		:	738.787				
P.K.		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
		-----		-----		-----	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN
	-PLANTA-	-REAL-	-PLANTA-	-REAL-			
738.787	7.323	7.336	0.000	0.000	5555.508	31.211	5591.734
							33.736

Istram 18.05.05.29 12/07/18 21:01:24 459

PROYECTO :

EJE: 59: V微 de servicio Izq. P.K. 116+600

			D E S B R O C E S				*****		
			* * * cubicacion segun distancias compensadas * * *						

PK inicial			:		0.000				
PK final			:		344.383				
			ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	-----		-----		-----		-----		-----
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	10.098	10.105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	10.093	10.100	0.000	0.000	100.954	0.000	101.026	0.000	0.000
20.000	9.985	9.993	0.000	0.000	201.346	0.000	201.495	0.000	0.000
30.000	9.874	9.889	0.000	0.000	300.649	0.000	300.909	0.000	0.000
40.000	9.764	9.781	0.000	0.000	398.842	0.000	399.263	0.000	0.000
50.000	9.826	9.838	0.000	0.000	496.795	0.000	497.363	0.000	0.000
60.000	9.757	9.769	0.000	0.000	594.713	0.000	595.401	0.000	0.000
70.000	9.767	9.775	0.000	0.000	692.333	0.000	693.127	0.000	0.000
80.000	9.947	9.953	0.000	0.000	790.903	0.000	791.773	0.000	0.000
90.000	9.871	9.879	0.000	0.000	889.998	0.000	890.935	0.000	0.000
100.000	8.936	8.946	0.000	0.000	984.040	0.000	985.065	0.000	0.000
110.000	9.014	9.027	0.000	0.000	1073.797	0.000	1074.940	0.000	0.000
120.000	9.102	9.118	0.000	0.000	1164.383	0.000	1165.673	0.000	0.000
130.000	9.176	9.195	0.000	0.000	1255.781	0.000	1257.242	0.000	0.000
140.000	9.158	9.176	0.000	0.000	1347.457	0.000	1349.100	0.000	0.000
150.000	9.024	9.038	0.000	0.000	1438.372	0.000	1440.177	0.000	0.000
160.000	8.986	8.998	0.000	0.000	1528.430	0.000	1530.367	0.000	0.000
170.000	8.984	8.995	0.000	0.000	1618.291	0.000	1620.341	0.000	0.000
180.000	8.920	8.928	0.000	0.000	1707.822	0.000	1709.960	0.000	0.000
190.000	8.854	8.859	0.000	0.000	1796.699	0.000	1798.899	0.000	0.000
200.000	8.826	8.831	0.000	0.000	1885.106	0.000	1887.352	0.000	0.000
210.000	8.833	8.837	0.000	0.000	1973.408	0.000	1975.696	0.000	0.000
220.000	8.821	8.824	0.000	0.000	2061.682	0.000	2064.007	0.000	0.000
230.000	9.497	9.499	0.000	0.000	2153.276	0.000	2155.628	0.000	0.000
240.000	9.621	9.624	0.000	0.000	2248.868	0.000	2251.245	0.000	0.000
250.000	9.742	9.744	0.000	0.000	2345.682	0.000	2348.086	0.000	0.000
260.000	9.853	9.856	0.000	0.000	2443.660	0.000	2446.086	0.000	0.000
270.000	9.969	9.972	0.000	0.000	2542.774	0.000	2545.224	0.000	0.000
280.000	10.105	10.108	0.000	0.000	2643.145	0.000	2645.622	0.000	0.000
290.000	10.175	10.176	0.000	0.000	2744.547	0.000	2747.042	0.000	0.000
300.000	10.156	10.156	0.000	0.000	2846.204	0.000	2848.702	0.000	0.000
310.000	10.246	10.247	0.000	0.000	2948.212	0.000	2950.716	0.000	0.000
320.000	10.169	10.169	0.000	0.000	3050.284	0.000	3052.795	0.000	0.000
330.000	10.136	10.136	0.000	0.000	3151.810	0.000	3154.322	0.000	0.000
340.000	10.104	10.105	0.000	0.000	3253.013	0.000	3255.527	0.000	0.000
344.383	10.089	10.090	0.000	0.000	3297.267	0.000	3299.784	0.000	0.000

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 74: V微 de servicio Izq. P.K. 117+200

			D E S B R O C E S				*****		
			* * * cubicacion segun distancias compensadas				* * *		
=====									
PK inicial			:			0.000			
PK final			:			226.623			
			ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL	
P.K.	-----		-----		-----		-----		-----
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--					
0.000	9.799	9.877	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	9.625	9.715	0.000	0.000	97.124	0.000	97.964	0.000	0.000
20.000	9.324	9.413	0.000	0.000	191.870	0.000	193.605	0.000	0.000
30.000	10.572	10.697	0.000	0.000	291.349	0.000	294.156	0.000	0.000
40.000	10.651	10.841	0.000	0.000	397.462	0.000	401.846	0.000	0.000
50.000	10.468	10.634	0.000	0.000	503.055	0.000	509.216	0.000	0.000
60.000	10.878	11.053	0.000	0.000	609.767	0.000	617.625	0.000	0.000
70.000	11.339	11.362	0.000	0.000	720.828	0.000	729.670	0.000	0.000
80.000	10.549	10.599	1.244	1.249	830.250	6.241	839.460	6.262	0.000

pagina 3

90.000	5.986	6.106	6.165	6.204	912.662	43.602	922.712	43.837
100.000	4.386	4.500	8.426	8.685	964.114	116.929	975.312	118.616
110.000	7.729	7.931	6.247	6.376	1024.155	190.491	1036.894	194.067
120.000	6.212	6.212	6.153	6.154	1093.025	253.178	1106.744	257.387
130.000	4.539	4.541	8.278	8.283	1146.029	326.331	1159.764	330.568
140.000	2.371	2.403	10.685	10.758	1180.135	421.888	1194.041	426.510
150.000	0.430	0.447	14.875	15.102	1194.042	550.144	1208.190	556.260
160.000	0.416	0.434	17.674	17.808	1198.284	713.083	1212.606	720.992
170.000	0.496	0.508	20.003	20.023	1202.839	901.486	1217.312	910.162
180.000	0.491	0.504	21.202	21.257	1207.779	1107.533	1222.378	1116.582
190.000	0.491	0.505	22.267	22.360	1212.717	1325.054	1227.447	1334.826
200.000	0.513	0.521	22.862	22.985	1217.788	1551.192	1232.619	1562.004
210.000	0.385	0.412	22.506	22.793	1222.334	1779.175	1237.334	1791.968
220.000	6.101	6.185	14.716	14.800	1253.240	1966.655	1268.772	1981.238
226.623	30.873	30.881	0.000	0.000	1370.292	2015.746	1386.113	2030.600

Istram 18.05.05.29 12/07/18 21:30:17 459

PROYECTO :

EJE: 50: V微 de servicio Izq. P.K. 98+100

			D E S B R O C E S				*****		
			** * cubicacion segun distancias compensadas				** *		

PK inicial			:		0.000				
PK final			:		1188.725				
ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL		
P.K.	-----		-----		-----		-----		
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----
18.318	0.714	0.714	23.170	23.193	0.000	0.000	0.000	0.000	
20.000	0.737	0.737	23.745	23.748	1.164	37.790	1.165	37.812	
30.000	0.741	0.741	23.722	23.724	8.269	266.040	8.270	266.091	
33.080	0.742	0.742	23.713	23.716	10.470	336.463	10.471	336.521	
40.000	0.741	0.741	23.690	23.691	15.432	495.184	15.433	495.254	
50.000	0.735	0.735	23.516	23.517	22.618	725.211	22.620	725.296	
60.000	0.736	0.736	22.488	22.489	29.831	951.021	29.834	951.119	
70.000	0.738	0.738	21.286	21.287	37.115	1167.425	37.119	1167.529	
79.970	0.750	0.750	19.685	19.686	44.498	1370.702	44.502	1370.807	
80.000	0.741	0.741	20.101	20.101	44.520	1371.298	44.524	1371.403	
90.000	0.742	0.742	18.723	18.723	51.924	1565.077	51.929	1565.187	
100.000	0.742	0.742	17.343	17.343	59.333	1745.093	59.338	1745.205	
110.000	0.742	0.742	15.992	15.993	66.739	1911.480	66.744	1911.595	
120.000	0.743	0.743	14.794	14.794	74.150	2065.143	74.156	2065.259	
130.000	0.745	0.745	13.769	13.769	81.578	2207.709	81.584	2207.826	
140.000	0.745	0.745	12.923	12.923	89.017	2340.939	89.022	2341.057	
150.000	0.746	0.746	12.258	12.258	96.457	2466.628	96.463	2466.747	
160.000	3.354	3.354	9.165	9.165	116.881	2573.601	116.887	2573.720	
170.000	7.217	7.217	4.993	4.993	169.569	2644.345	169.574	2644.464	
180.000	13.036	13.220	0.000	0.000	270.587	2669.301	271.510	2669.420	
190.000	11.615	11.615	0.000	0.000	393.593	2669.301	395.433	2669.420	
200.000	11.764	11.764	0.000	0.000	510.287	2669.301	512.127	2669.420	
210.000	11.914	11.914	0.000	0.000	628.478	2669.301	630.318	2669.420	
220.000	9.781	9.781	2.284	2.284	736.748	2680.719	738.588	2680.839	
230.000	7.010	7.010	5.205	5.205	820.498	2718.156	822.338	2718.275	
240.000	4.652	4.652	7.712	7.712	878.618	2782.719	880.458	2782.838	
250.000	3.477	3.477	9.038	9.038	919.102	2866.416	920.942	2866.536	
260.000	2.302	2.302	10.363	10.363	947.877	2963.320	949.717	2963.439	
270.000	1.128	1.128	11.686	11.686	964.963	3073.409	966.804	3073.528	
280.000	0.750	0.750	12.214	12.214	974.331	3192.713	976.172	3192.833	
290.000	0.750	0.750	12.364	12.364	981.819	3315.396	983.659	3315.515	
300.000	0.750	0.750	12.515	12.515	989.306	3439.577	991.146	3439.697	
310.000	0.750	0.750	12.665	12.665	996.792	3565.256	998.632	3565.375	
320.000	0.750	0.750	12.814	12.814	1004.279	3692.432	1006.119	3692.551	
330.000	0.750	0.750	12.964	12.964	1011.767	3821.104	1013.607	3821.223	
340.000	0.750	0.750	13.115	13.115	1019.254	3951.274	1021.094	3951.394	
350.000	0.750	0.750	13.265	13.265	1026.741	4082.943	1028.582	4083.062	

580.000	0.658	0.665	14.717	14.729	1189.242	7426.688	1191.752	7428.368
590.000	0.665	0.670	14.595	14.604	1195.855	7573.246	1198.426	7575.029
600.000	0.750	0.750	14.581	14.581	1202.929	7719.124	1205.527	7720.951
610.000	0.750	0.750	14.431	14.431	1210.429	7864.182	1213.028	7866.009
620.000	0.725	0.726	13.858	13.867	1217.806	8005.628	1220.407	8007.497
630.000	0.750	0.750	14.131	14.131	1225.184	8145.574	1227.786	8147.485
640.000	0.750	0.750	13.981	13.981	1232.684	8286.131	1235.286	8288.042
650.000	0.750	0.750	13.831	13.831	1240.184	8425.189	1242.787	8427.100
660.000	0.750	0.750	13.681	13.681	1247.685	8562.747	1250.287	8564.658
670.000	0.750	0.750	13.544	13.544	1255.185	8698.869	1257.787	8700.780
680.000	0.750	0.750	13.455	13.455	1262.685	8833.860	1265.288	8835.771
690.000	0.750	0.750	13.416	13.416	1270.185	8968.211	1272.788	8970.122
700.000	0.750	0.750	13.426	13.426	1277.685	9102.421	1280.288	9104.332
710.000	0.750	0.750	13.487	13.487	1285.185	9236.991	1287.788	9238.902
720.000	0.750	0.750	13.598	13.598	1292.685	9372.419	1295.288	9374.330
730.000	0.742	0.742	13.048	13.052	1300.146	9505.649	1302.749	9507.580
740.000	0.722	0.722	12.432	12.436	1307.467	9633.049	1310.073	9635.019
750.000	0.758	0.758	12.089	12.090	1314.867	9755.659	1317.475	9757.648
760.000	0.750	0.751	12.028	12.030	1322.409	9876.246	1325.017	9878.246
770.000	0.751	0.751	12.190	12.192	1329.916	9997.340	1332.525	9999.357
780.000	0.750	0.750	12.359	12.361	1337.420	10120.089	1340.031	10122.125

Istram 18.05.05.29 12/07/18 21:30:17 459

PROYECTO :

EJE: 50: V de servicio Izq. P.K. 98+100

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial : 0.000
PK final : 1188.725

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA	REAL	PLANTA	REAL				
790.000	0.750	0.750	12.515	12.517	1344.918	10244.460	1347.529	10246.513
800.000	0.745	0.745	12.613	12.615	1352.391	10370.102	1355.003	10372.170
810.000	0.751	0.751	12.742	12.743	1359.870	10496.880	1362.483	10498.960
820.000	0.757	0.757	12.847	12.849	1367.411	10624.826	1370.025	10626.921
830.000	0.752	0.752	12.963	12.965	1374.955	10753.879	1377.570	10755.991
840.000	0.750	0.751	13.098	13.100	1382.465	10884.186	1385.081	10886.318
850.000	0.750	0.750	13.211	13.213	1389.968	11015.730	1392.585	11017.882
860.000	0.751	0.751	13.282	13.284	1397.471	11148.195	1400.089	11150.367
970.000	11.352	11.352	0.705	0.705	2063.142	11917.479	2065.767	11919.763
980.000	11.907	11.907	0.000	0.000	2179.440	11921.003	2182.065	11923.287
990.000	11.757	11.757	0.000	0.000	2297.763	11921.003	2300.388	11923.287
1000.000	11.607	11.607	0.000	0.000	2414.586	11921.003	2417.211	11923.287
1010.000	11.534	11.534	0.000	0.000	2530.290	11921.003	2532.915	11923.287
1020.000	11.654	11.654	0.000	0.000	2646.228	11921.003	2648.853	11923.287
1030.000	11.738	11.738	0.000	0.000	2763.191	11921.003	2765.816	11923.287
1040.000	11.781	11.781	0.000	0.000	2880.790	11921.003	2883.415	11923.287
1050.000	11.783	11.783	0.000	0.000	2998.611	11921.003	3001.236	11923.287
1060.000	11.742	11.742	0.000	0.000	3116.236	11921.003	3118.861	11923.287
1070.000	11.660	11.660	0.000	0.000	3233.248	11921.003	3235.873	11923.287
1080.000	11.541	11.541	0.000	0.000	3349.254	11921.003	3351.879	11923.287
1090.000	11.598	11.598	0.000	0.000	3464.950	11921.003	3467.575	11923.287
1100.000	11.748	11.748	0.000	0.000	3581.682	11921.003	3584.307	11923.287
1110.000	11.898	11.898	0.000	0.000	3699.913	11921.003	3702.538	11923.287
1120.000	11.576	11.576	0.472	0.472	3817.285	11923.362	3819.910	11925.646
1130.000	7.969	7.969	4.229	4.229	3915.010	11946.867	3917.635	11949.151
1140.000	5.029	5.029	7.319	7.319	3980.001	12004.608	3982.626	12006.892
1150.000	3.352	3.352	9.146	9.146	4021.906	12086.935	4024.531	12089.219
1160.000	2.176	2.176	10.472	10.472	4049.547	12185.025	4052.172	12187.309
1170.000	1.001	1.001	11.797	11.797	4065.433	12296.369	4068.058	12298.654
1180.000	0.750	0.750	12.198	12.198	4074.188	12416.345	4076.813	12418.629
1188.725	4.777	4.782	7.631	7.647	4098.299	12502.851	4100.947	12505.206

pagina 3

FIRMES VÍAS DE SERVICIO

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
0.000	ZA	1.570	0.00	0.0	0.0	ZA	1.389	0.00	0.0
	AC22 bin D	0.771	0.00	0.0	0.0	AC16 surf S	0.372	0.00	0.0
	Rellenos	1.878	0.00	0.0	0.0				
10.000	ZA	1.570	15.70	15.7	15.7	ZA	1.389	13.89	13.9
	AC22 bin D	0.770	7.70	7.7	7.7	AC16 surf S	0.372	3.72	3.7
	Rellenos	1.809	18.43	18.4	18.4				
20.000	ZA	1.570	15.70	31.4	31.4	ZA	1.389	13.89	27.8
	AC22 bin D	0.770	7.70	15.4	15.4	AC16 surf S	0.371	3.72	7.4
	Rellenos	1.550	16.80	35.2	35.2				
20.893	ZA	1.570	1.40	32.8	32.8	ZA	1.389	1.24	29.0
	AC22 bin D	0.770	0.69	16.1	16.1	AC16 surf S	0.371	0.33	7.8
	Rellenos	1.542	1.38	36.6	36.6				
30.000	ZA	1.617	14.51	47.3	47.3	ZA	1.433	12.85	41.9
	AC22 bin D	0.797	7.13	23.2	23.2	AC16 surf S	0.384	3.44	11.2
	Rellenos	1.455	13.60	50.2	50.2				
40.000	ZA	1.669	16.43	63.7	63.7	ZA	1.483	14.58	56.5
	AC22 bin D	0.825	8.11	31.3	31.3	AC16 surf S	0.398	3.91	15.1
	Rellenos	1.339	13.75	64.0	64.0				
50.000	ZA	1.721	16.95	80.7	80.7	ZA	1.532	15.07	71.5
	AC22 bin D	0.854	8.40	39.7	39.7	AC16 surf S	0.412	4.05	19.2
	Rellenos	1.380	13.15	77.1	77.1				
60.000	ZA	1.773	17.47	98.2	98.2	ZA	1.581	15.56	87.1
	AC22 bin D	0.883	8.69	48.4	48.4	AC16 surf S	0.426	4.19	23.4
	Rellenos	1.371	13.09	90.2	90.2				
61.393	ZA	1.780	2.47	100.6	100.6	ZA	1.587	2.21	89.3
	AC22 bin D	0.887	1.23	49.7	49.7	AC16 surf S	0.429	0.60	23.9
	Rellenos	1.368	1.79	92.0	92.0				
70.000	ZA	1.780	15.32	116.0	116.0	ZA	1.589	13.67	103.0
	AC22 bin D	0.887	7.64	57.3	57.3	AC16 surf S	0.428	3.69	27.6
	Rellenos	1.356	11.00	103.0	103.0				
80.000	ZA	1.781	17.80	133.8	133.8	ZA	1.588	15.88	118.8
	AC22 bin D	0.887	8.87	66.2	66.2	AC16 surf S	0.428	4.28	31.9
	Rellenos	1.373	12.81	115.8	115.8				
87.351	ZA	1.780	13.09	146.9	146.9	ZA	1.588	11.67	130.5
	AC22 bin D	0.887	6.52	72.7	72.7	AC16 surf S	0.428	3.15	35.1
	Rellenos	1.374	9.49	125.3	125.3				

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
90.000	ZA	1.767	4.70	151.5	151.5	ZA	1.575	4.19	134.7
	AC22 bin D	0.879	2.34	75.0	75.0	AC16 surf S	0.424	1.13	36.2
	Rellenos	1.374	3.43	128.7	128.7				
100.000	ZA	1.715	17.41	169.0	169.0	ZA	1.525	15.50	150.2
	AC22 bin D	0.851	8.65	83.7	83.7	AC16 surf S	0.411	4.17	40.4
	Rellenos	1.364	13.05	141.8	141.8				
110.000	ZA	1.662	16.88	185.8	185.8	ZA	1.477	15.01	165.2
	AC22 bin D	0.822	8.36	92.0	92.0	AC16 surf S	0.396	4.03	44.4
	Rellenos	1.415	13.50	155.3	155.3				
120.000	ZA	1.610	16.36	202.2	202.2	ZA	1.427	14.52	179.7
	AC22 bin D	0.793	8.07	100.1	100.1	AC16 surf S	0.382	3.89	48.3
	Rellenos	1.456	14.18	169.5	169.5				
127.851	ZA	1.570	12.48	214.7	214.7	ZA	1.389	11.06	190.8
	AC22 bin D	0.770	6.14	106.2	106.2	AC16 surf S	0.371	2.96	51.2
	Rellenos	1.526	11.67	181.1	181.1				
130.000	ZA	1.570	3.37	218.1	218.1	ZA	1.389	2.99	193.8
	AC22 bin D	0.770	1.66	107.9	107.9	AC16 surf S	0.371	0.80	52.0
	Rellenos	1.542	3.30	184.4	184.4				
140.000	ZA	1.570	15.70	233.8	233.8	ZA	1.389	13.89	207.7
	AC22 bin D	0.770	7.70	115.6	115.6	AC16 surf S	0.372	3.72	55.8
	Rellenos	1.495	15.19	199.6	199.6				
150.000	ZA	1.570	15.70	249.5	249.5	ZA	1.389	13.89	221.6
	AC22 bin D	0.770	7.70	123.3	123.3	AC16 surf S	0.372	3.72	59.5
	Rellenos	1.616	15.55	215.2	215.2				
160.000	ZA	1.570	15.70	265.2	265.2	ZA	1.389	13.89	235.5
	AC22 bin D	0.770	7.70	131.0	131.0	AC16 surf S	0.372	3.72	63.2
	Rellenos	1.878	17.47	232.6	232.6				
170.000	ZA	1.570	15.70	280.9	280.9	ZA	1.389	13.89	249.3
	AC22 bin D	0.770	7.70	138.7	138.7	AC16 surf S	0.372	3.72	66.9
	Rellenos	1.878	18.78	251.4	251.4				
180.000	ZA	1.570	15.70	296.6	296.6	ZA	1.389	13.89	263.2
	AC22 bin D	0.770	7.70	146.4	146.4	AC16 surf S	0.372	3.72	70.6
	Rellenos	1.877	18.77	270.2	270.2				
190.000	ZA	1.570	15.70	312.3	312.3	ZA	1.389	13.89	277.1
	AC22 bin D	0.770	7.70	154.1	154.1	AC16 surf S	0.372	3.72	74.3
	Rellenos	1.878	18.78	289.0	289.0				

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
200.000	ZA	1.570	15.70	328.0	328.0	ZA	1.389	13.89	291.0
	AC22 bin D	0.770	7.70	161.8	161.8	AC16 surf S	0.372	3.72	78.1
	Rellenos	1.878	18.78	307.7	307.7				
210.000	ZA	1.570	15.70	343.7	343.7	ZA	1.389	13.89	304.9
	AC22 bin D	0.770	7.70	169.5	169.5	AC16 surf S	0.372	3.72	81.8
	Rellenos	1.878	18.78	326.5	326.5				
220.000	ZA	1.570	15.70	359.4	359.4	ZA	1.389	13.89	318.8
	AC22 bin D	0.770	7.70	177.2	177.2	AC16 surf S	0.372	3.72	85.5
	Rellenos	1.877	18.77	345.3	345.3				
230.000	ZA	1.570	15.70	375.1	375.1	ZA	1.389	13.89	332.7
	AC22 bin D	0.770	7.70	184.9	184.9	AC16 surf S	0.372	3.72	89.2
	Rellenos	1.878	18.77	364.1	364.1				
240.000	ZA	1.570	15.70	390.8	390.8	ZA	1.389	13.89	346.6
	AC22 bin D	0.770	7.70	192.6	192.6	AC16 surf S	0.372	3.72	92.9
	Rellenos	1.836	18.57	382.6	382.6				
250.000	ZA	1.570	15.70	406.5	406.5	ZA	1.388	13.89	360.5
	AC22 bin D	0.771	7.70	200.3	200.3	AC16 surf S	0.372	3.72	96.6
	Rellenos	1.493	16.65	399.3	399.3				
260.000	ZA	1.570	15.70	422.2	422.2	ZA	1.389	13.89	374.4
	AC22 bin D	0.770	7.70	208.0	208.0	AC16 surf S	0.372	3.72	100.4
	Rellenos	1.258	13.75	413.0	413.0				
270.000	ZA	1.570	15.70	437.9	437.9	ZA	1.389	13.89	388.3
	AC22 bin D	0.770	7.70	215.7	215.7	AC16 surf S	0.371	3.72	104.1
	Rellenos	1.097	11.77	424.8	424.8				
280.000	ZA	1.570	15.70	453.6	453.6	ZA	1.389	13.89	402.2
	AC22 bin D	0.770	7.70	223.4	223.4	AC16 surf S	0.372	3.72	107.8
	Rellenos	0.848	9.73	434.5	434.5				
290.000	ZA	1.570	15.70	469.3	469.3	ZA	1.389	13.89	416.1
	AC22 bin D	0.770	7.70	231.1	231.1	AC16 surf S	0.371	3.72	111.5
	Rellenos	0.900	8.74	443.3	443.3				
297.854	ZA	1.570	12.33	481.6	481.6	ZA	1.389	10.91	427.0
	AC22 bin D	0.770	6.05	237.2	237.2	AC16 surf S	0.371	2.92	114.4
	Rellenos	0.929	7.18	450.5	450.5				
300.000	ZA	1.570	3.37	485.0	485.0	ZA	1.389	2.98	429.9
	AC22 bin D	0.770	1.65	238.8	238.8	AC16 surf S	0.371	0.80	115.2
	Rellenos	0.932	2.00	452.5	452.5				

Istram 18.05.05.29 17/01/19 18:49:55 1880
PROYECTO :
EJE: 51: V de servicio Dch. P.K. 101+600

pagina 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * ***** CAPAS DE FIRME * * * ***** cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
310.000	ZA	1.569		15.70	500.7	ZA	1.389		13.89	443.8
	AC22 bin D	0.770		7.70	246.5	AC16 surf S	0.371		3.71	118.9
	Rellenos	0.930		9.31	461.8					
320.000	ZA	1.569		15.69	516.4	ZA	1.389		13.89	457.7
	AC22 bin D	0.770		7.70	254.2	AC16 surf S	0.371		3.71	122.6
	Rellenos	0.935		9.33	471.1					
330.000	ZA	1.569		15.69	532.1	ZA	1.389		13.89	471.6
	AC22 bin D	0.770		7.70	261.9	AC16 surf S	0.371		3.71	126.3
	Rellenos	0.938		9.37	480.5					
340.000	ZA	1.569		15.69	547.8	ZA	1.389		13.89	485.5
	AC22 bin D	0.770		7.70	269.6	AC16 surf S	0.371		3.71	130.1
	Rellenos	0.940		9.39	489.9					
350.000	ZA	1.570		15.70	563.4	ZA	1.388		13.89	499.4
	AC22 bin D	0.770		7.70	277.3	AC16 surf S	0.371		3.71	133.8
	Rellenos	0.941		9.40	499.3					
360.000	ZA	1.569		15.69	579.1	ZA	1.388		13.88	513.3
	AC22 bin D	0.771		7.70	285.0	AC16 surf S	0.371		3.71	137.5
	Rellenos	0.944		9.42	508.7					
370.000	ZA	1.569		15.69	594.8	ZA	1.389		13.88	527.1
	AC22 bin D	0.770		7.70	292.7	AC16 surf S	0.371		3.71	141.2
	Rellenos	0.939		9.40	518.1					
380.000	ZA	1.569		15.69	610.5	ZA	1.389		13.89	541.0
	AC22 bin D	0.770		7.70	300.4	AC16 surf S	0.371		3.71	144.9
	Rellenos	0.933		9.35	527.4					
390.000	ZA	1.569		15.69	626.2	ZA	1.389		13.89	554.9
	AC22 bin D	0.770		7.70	308.1	AC16 surf S	0.370		3.71	148.6
	Rellenos	0.928		9.29	536.7					
390.747	ZA	1.570		1.17	627.4	ZA	1.388		1.04	556.0
	AC22 bin D	0.771		0.58	308.7	AC16 surf S	0.370		0.28	148.9
	Rellenos	0.927		0.69	537.4					
400.000	ZA	1.570		14.53	641.9	ZA	1.389		12.85	568.8
	AC22 bin D	0.770		7.13	315.8	AC16 surf S	0.370		3.42	152.3
	Rellenos	0.927		8.56	546.0					
410.000	ZA	1.570		15.70	657.6	ZA	1.388		13.89	582.7
	AC22 bin D	0.770		7.70	323.5	AC16 surf S	0.370		3.70	156.0
	Rellenos	0.881		9.03	555.0					

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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
420.000	ZA	1.570		15.70	673.3	ZA	1.389		13.89	596.6
	AC22 bin D	0.770		7.70	331.2	AC16 surf S	0.370		3.70	159.7
	Rellenos	1.222		10.52	565.5					
425.440	ZA	1.570		8.54	681.8	ZA	1.388		7.55	604.1
	AC22 bin D	0.770		4.19	335.4	AC16 surf S	0.371		2.01	161.7
	Rellenos	1.228		6.67	572.2					
430.000	ZA	1.569		7.16	689.0	ZA	1.389		6.33	610.5
	AC22 bin D	0.770		3.51	338.9	AC16 surf S	0.370		1.69	163.4
	Rellenos	1.260		5.68	577.9					
440.000	ZA	1.569		15.69	704.7	ZA	1.389		13.89	624.3
	AC22 bin D	0.770		7.70	346.6	AC16 surf S	0.370		3.70	167.1
	Rellenos	1.287		12.75	590.6					
450.000	ZA	1.570		15.70	720.4	ZA	1.388		13.88	638.2
	AC22 bin D	0.770		7.70	354.3	AC16 surf S	0.370		3.70	170.8
	Rellenos	1.300		12.95	603.6					
460.000	ZA	1.569		15.70	736.1	ZA	1.389		13.88	652.1
	AC22 bin D	0.770		7.70	362.0	AC16 surf S	0.371		3.70	174.5
	Rellenos	0.939		11.20	614.8					
470.000	ZA	1.570		15.69	751.8	ZA	1.388		13.88	666.0
	AC22 bin D	0.770		7.70	369.7	AC16 surf S	0.371		3.71	178.2
	Rellenos	0.937		9.38	624.2					
480.000	ZA	1.569		15.69	767.5	ZA	1.389		13.88	679.9
	AC22 bin D	0.770		7.70	377.5	AC16 surf S	0.371		3.71	181.9
	Rellenos	0.949		9.43	633.6					
490.000	ZA	1.570		15.69	783.2	ZA	1.389		13.89	693.8
	AC22 bin D	0.770		7.70	385.2	AC16 surf S	0.371		3.71	185.6
	Rellenos	0.974		9.61	643.2					
500.000	ZA	1.570		15.70	798.9	ZA	1.389		13.89	707.7
	AC22 bin D	0.770		7.70	392.8	AC16 surf S	0.372		3.71	189.3
	Rellenos	0.999		9.87	653.1					
505.328	ZA	1.570		8.36	807.2	ZA	1.389		7.40	715.1
	AC22 bin D	0.770		4.10	397.0	AC16 surf S	0.372		1.98	191.3
	Rellenos	1.012		5.36	658.4					
510.000	ZA	1.570		7.33	814.6	ZA	1.389		6.49	721.5
	AC22 bin D	0.770		3.60	400.5	AC16 surf S	0.372		1.74	193.1
	Rellenos	1.012		4.73	663.2					

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 6
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
520.000	ZA	1.570		15.70	830.3	ZA	1.389		13.89	735.4
	AC22 bin D	0.770		7.70	408.2	AC16 surf S	0.372		3.72	196.8
	Rellenos	1.012		10.12	673.3					
530.000	ZA	1.570		15.70	846.0	ZA	1.389		13.89	749.3
	AC22 bin D	0.770		7.70	415.9	AC16 surf S	0.372		3.72	200.5
	Rellenos	1.012		10.12	683.4					
540.000	ZA	1.570		15.70	861.7	ZA	1.389		13.89	763.2
	AC22 bin D	0.770		7.70	423.7	AC16 surf S	0.372		3.72	204.2
	Rellenos	1.012		10.12	693.5					
550.000	ZA	1.570		15.70	877.4	ZA	1.388		13.89	777.1
	AC22 bin D	0.771		7.71	431.4	AC16 surf S	0.372		3.72	207.9
	Rellenos	1.012		10.12	703.6					
560.000	ZA	1.570		15.70	893.1	ZA	1.389		13.89	791.0
	AC22 bin D	0.770		7.71	439.1	AC16 surf S	0.371		3.71	211.6
	Rellenos	1.002		10.07	713.7					
570.000	ZA	1.570		15.70	908.8	ZA	1.389		13.89	804.9
	AC22 bin D	0.770		7.70	446.8	AC16 surf S	0.372		3.71	215.4
	Rellenos	1.010		10.06	723.8					
580.000	ZA	1.570		15.70	924.5	ZA	1.389		13.89	818.8
	AC22 bin D	0.770		7.70	454.5	AC16 surf S	0.372		3.72	219.1
	Rellenos	1.012		10.11	733.9					
590.000	ZA	1.570		15.70	940.2	ZA	1.389		13.89	832.7
	AC22 bin D	0.770		7.70	462.2	AC16 surf S	0.371		3.72	222.8
	Rellenos	1.012		10.12	744.0					
600.000	ZA	1.570		15.70	955.9	ZA	1.389		13.89	846.5
	AC22 bin D	0.770		7.70	469.9	AC16 surf S	0.372		3.72	226.5
	Rellenos	1.012		10.12	754.1					
610.000	ZA	1.570		15.70	971.5	ZA	1.388		13.89	860.4
	AC22 bin D	0.771		7.71	477.6	AC16 surf S	0.372		3.72	230.2
	Rellenos	1.012		10.12	764.2					
620.000	ZA	1.570		15.70	987.2	ZA	1.389		13.89	874.3
	AC22 bin D	0.770		7.71	485.3	AC16 surf S	0.372		3.72	233.9
	Rellenos	1.011		10.12	774.3					
630.000	ZA	1.570		15.70	1002.9	ZA	1.388		13.89	888.2
	AC22 bin D	0.771		7.71	493.0	AC16 surf S	0.372		3.72	237.7
	Rellenos	1.011		10.11	784.5					

Istram 18.05.05.29 17/01/19 18:49:55 1880 pagina 7
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										
=====										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
640.000	ZA	1.570		15.70	1018.6	ZA	1.389		13.89	902.1

650.000	AC22 bin D	0.770	7.71	500.7	AC16 surf S	0.371	3.71	241.4
	Rellenos	0.978	9.94	794.4				
	ZA	1.570	15.70	1034.3	ZA	1.389	13.89	916.0
	AC22 bin D	0.770	7.70	508.4	AC16 surf S	0.372	3.72	245.1
	Rellenos	0.949	9.63	804.0				
660.000	ZA	1.570	15.70	1050.0	ZA	1.389	13.89	929.9
	AC22 bin D	0.770	7.70	516.1	AC16 surf S	0.371	3.72	248.8
	Rellenos	0.982	9.65	813.7				
670.000	ZA	1.570	15.70	1065.7	ZA	1.389	13.89	943.8
	AC22 bin D	0.770	7.70	523.8	AC16 surf S	0.371	3.71	252.5
	Rellenos	1.005	9.93	823.6				
680.000	ZA	1.570	15.70	1081.4	ZA	1.389	13.89	957.6
	AC22 bin D	0.770	7.70	531.5	AC16 surf S	0.371	3.71	256.2
	Rellenos	1.009	10.07	833.7				
690.000	ZA	1.570	15.70	1097.1	ZA	1.389	13.89	971.5
	AC22 bin D	0.770	7.70	539.2	AC16 surf S	0.371	3.71	259.9
	Rellenos	1.011	10.10	843.8				
700.000	ZA	1.570	15.70	1112.8	ZA	1.389	13.89	985.4
	AC22 bin D	0.770	7.70	546.9	AC16 surf S	0.372	3.71	263.7
	Rellenos	1.012	10.11	853.9				
710.000	ZA	1.570	15.70	1128.5	ZA	1.389	13.89	999.3
	AC22 bin D	0.770	7.70	554.6	AC16 surf S	0.372	3.72	267.4
	Rellenos	1.012	10.12	864.0				
720.000	ZA	1.570	15.70	1144.2	ZA	1.389	13.89	1013.2
	AC22 bin D	0.770	7.70	562.3	AC16 surf S	0.371	3.72	271.1
	Rellenos	1.012	10.12	874.1				
730.000	ZA	1.570	15.70	1159.9	ZA	1.389	13.89	1027.1
	AC22 bin D	0.770	7.70	570.0	AC16 surf S	0.372	3.72	274.8
	Rellenos	1.012	10.12	884.3				
740.000	ZA	1.570	15.70	1175.6	ZA	1.389	13.89	1041.0
	AC22 bin D	0.770	7.70	577.7	AC16 surf S	0.371	3.72	278.5
	Rellenos	1.011	10.11	894.4				
750.000	ZA	1.570	15.70	1191.3	ZA	1.389	13.89	1054.9
	AC22 bin D	0.770	7.70	585.4	AC16 surf S	0.372	3.72	282.2
	Rellenos	1.012	10.11	904.5				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 8
PROYECTO :
EJE: 51: V^{de} de servicio Dch. P.K. 101+600

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
760.000	ZA	1.570		15.70	1207.0	ZA	1.389		13.89	1068.8
	AC22 bin D	0.770		7.70	593.1	AC16 surf S	0.372		3.72	286.0
	Rellenos	1.012		10.12	914.6					
770.000	ZA	1.570		15.70	1222.7	ZA	1.389		13.89	1082.6
	AC22 bin D	0.770		7.70	600.8	AC16 surf S	0.372		3.72	289.7
	Rellenos	1.012		10.12	924.7					
780.000	ZA	1.570		15.70	1238.4	ZA	1.389		13.89	1096.5
	AC22 bin D	0.770		7.70	608.5	AC16 surf S	0.372		3.72	293.4
	Rellenos	1.012		10.12	934.8					
790.000	ZA	1.570		15.70	1254.1	ZA	1.389		13.89	1110.4
	AC22 bin D	0.770		7.70	616.2	AC16 surf S	0.372		3.72	297.1
	Rellenos	1.012		10.12	945.0					
800.000	ZA	1.570		15.70	1269.8	ZA	1.389		13.89	1124.3
	AC22 bin D	0.770		7.70	623.9	AC16 surf S	0.371		3.71	300.8
	Rellenos	1.012		10.12	955.1					
810.000	ZA	1.569		15.69	1285.5	ZA	1.388		13.89	1138.2
	AC22 bin D	0.770		7.70	631.6	AC16 surf S	0.371		3.71	304.5
	Rellenos	0.967		9.89	965.0					
817.071	ZA	1.569		11.10	1296.6	ZA	1.388		9.82	1148.0
	AC22 bin D	0.770		5.44	637.1	AC16 surf S	0.370		2.62	307.1
	Rellenos	0.937		6.73	971.7					
820.000	ZA	1.569		4.60	1301.2	ZA	1.388		4.07	1152.1
	AC22 bin D	0.770		2.26	639.3	AC16 surf S	0.371		1.09	308.2
	Rellenos	0.937		2.74	974.4					
830.000	ZA	1.569		15.69	1316.9	ZA	1.388		13.88	1166.0
	AC22 bin D	0.770		7.70	647.0	AC16 surf S	0.370		3.70	311.9
	Rellenos	0.937		9.37	983.8					
840.000	ZA	1.569		15.69	1332.6	ZA	1.388		13.88	1179.8
	AC22 bin D	0.770		7.70	654.7	AC16 surf S	0.371		3.71	315.6
	Rellenos	0.937		9.36	993.2					
850.000	ZA	1.569		15.69	1348.3	ZA	1.388		13.88	1193.7
	AC22 bin D	0.770		7.70	662.4	AC16 surf S	0.370		3.70	319.3
	Rellenos	0.935		9.36	1002.5					
860.000	ZA	1.569		15.69	1364.0	ZA	1.388		13.88	1207.6
	AC22 bin D	0.770		7.70	670.1	AC16 surf S	0.370		3.70	323.1
	Rellenos	0.918		9.26	1011.8					

890.000	Rellenos	0.937	9.34	1030.4					1130.000	ZA	1.569	15.69	1787.6	ZA	1.388	13.88	1582.4
	AC22 bin D	0.770	7.70	693.2	AC16 surf S	0.371	3.70	334.2		AC22 bin D	0.770	7.70	877.9	AC16 surf S	0.371	3.71	423.1
900.000	Rellenos	0.937	9.36	1039.7					1140.000	ZA	1.569	15.69	1803.3	ZA	1.388	13.88	1596.3
	AC22 bin D	0.770	7.70	700.9	AC16 surf S	0.370	3.70	337.9		AC22 bin D	0.770	7.70	885.6	AC16 surf S	0.371	3.71	426.8
910.000	Rellenos	0.937	9.36	1049.1					1144.383	Rellenos	0.937	9.37	1271.2				
	AC22 bin D	0.770	7.70	708.6	AC16 surf S	0.370	3.70	341.6		ZA	1.569	6.88	1810.2	ZA	1.389	6.09	1602.4
920.000	Rellenos	0.937	9.36	1058.5						AC22 bin D	0.769	3.37	889.0	AC16 surf S	0.370	1.62	428.4
	AC22 bin D	0.770	7.70	716.3	AC16 surf S	0.371	3.70	345.3	1150.000	Rellenos	0.937	4.11	1275.3				
930.000	Rellenos	0.937	9.37	1067.8						ZA	1.573	8.82	1819.0	ZA	1.391	7.81	1610.2
	AC22 bin D	0.770	7.70	724.0	AC16 surf S	0.370	3.70	349.0		AC22 bin D	0.772	4.33	893.3	AC16 surf S	0.372	2.08	430.5
940.000	Rellenos	0.936	9.36	1077.2					1160.000	Rellenos	0.938	5.26	1280.6				
	AC22 bin D	0.770	7.70	731.7	AC16 surf S	0.371	3.70	352.7		ZA	1.579	15.76	1834.8	ZA	1.398	13.95	1624.2
950.000	Rellenos	0.935	9.35	1086.5						AC22 bin D	0.776	7.74	901.1	AC16 surf S	0.373	3.72	434.2
	AC22 bin D	0.770	7.70	739.4	AC16 surf S	0.370	3.71	356.4	1170.000	Rellenos	0.940	9.38	1290.0				
960.000	Rellenos	0.935	9.35	1095.9						ZA	1.586	15.83	1850.6	ZA	1.404	14.01	1638.2
	AC22 bin D	0.770	7.70	747.1	AC16 surf S	0.370	3.70	360.1		AC22 bin D	0.779	7.78	908.8	AC16 surf S	0.375	3.74	437.9
970.000	Rellenos	0.934	9.34	1105.2					1180.000	Rellenos	0.943	9.41	1299.4				
	AC22 bin D	0.770	7.70	754.8	AC16 surf S	0.370	3.70	363.8		ZA	1.593	15.90	1866.5	ZA	1.411	14.08	1652.2
980.000	Rellenos	0.930	9.32	1114.6						AC22 bin D	0.783	7.81	916.7	AC16 surf S	0.377	3.76	441.7
	AC22 bin D	0.770	7.70	762.5	AC16 surf S	0.371	3.70	367.5	1190.000	Rellenos	0.935	9.38	1308.7				
990.000	Rellenos	0.925	9.27	1123.8						ZA	1.599	15.96	1882.4	ZA	1.417	14.14	1666.4
										AC22 bin D	0.787	7.85	924.5	AC16 surf S	0.379	3.78	445.5
1000.000									1200.000	Rellenos	0.926	9.29	1318.0				
										ZA	1.606	16.03	1898.5	ZA	1.424	14.21	1680.6
1010.000										AC22 bin D	0.790	7.89	932.4	AC16 surf S	0.380	3.80	449.3
										Rellenos	0.917	9.19	1327.2				
1020.000																	
1030.000																	
1040.000																	
1050.000																	
1060.000																	
1070.000																	
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Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 51: V微 de servicio Dch. P.K. 101+600

pagina 10

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
990.000	ZA	1.569	15.69	1568.0	ZA	1.389	13.88	1388.1
1000.000	AC22 bin D	0.769	7.70	770.2	AC16 surf S	0.370	3.70	371.2
	Rellenos	0.918	9.21	1133.0				
1010.000	ZA	1.569	15.69	1583.6	ZA	1.388	13.88	1402.0
	AC22 bin D	0.770	7.70	777.9	AC16 surf S	0.370	3.70	374.9
1020.000	Rellenos	0.909	9.13	1142.2				
	ZA	1.569	15.69	1599.3	ZA	1.389	13.88	1415.8
1030.000	AC22 bin D	0.769	7.70	785.6	AC16 surf S	0.370	3.70	378.6
	Rellenos	0.899	9.04	1151.2				
1040.000	ZA	1.569	15.69	1615.0	ZA	1.388	13.88	1429.7
	AC22 bin D	0.770	7.70	793.3	AC16 surf S	0.370	3.70	382.3
1050.000	Rellenos	0.902	9.00	1160.2				
	ZA	1.569	15.69	1630.7	ZA	1.388	13.88	1443.6
1060.000	AC22 bin D	0.770	7.70	801.0	AC16 surf S	0.370	3.70	386.0
	Rellenos	0.905	9.03	1169.2				
1070.000	ZA	1.569	15.69	1646.4	ZA	1.389	13.88	1457.5
	AC22 bin D	0.769	7.70	808.7	AC16 surf S	0.370	3.70	389.7
1080.000	Rellenos	0.910	9.07	1178.3				
	ZA	1.569	15.69	1662.1	ZA	1.388	13.88	1471.4
1090.000	AC22 bin D	0.770	7.69	816.4	AC16 surf S	0.371	3.70	393.4
	Rellenos	0.914	9.12	1187.4				
1100.000	ZA	1.569	15.69	1677.8	ZA	1.388	13.88	1476.1
	AC22 bin D	0.769	7.70	819.0	AC16 surf S	0.371	1.25	394.7
1110.000	Rellenos	0.916	3.10	1190.5				
	ZA	1.569	10.38	1677.8	ZA	1.388	9.18	1485.3
1120.000	AC22 bin D	0.770	5.09	824.1	AC16 surf S	0.371	2.45	397.1
	Rellenos	0.921	6.07	1196.6				
1130.000	ZA	1.569	15.69	1693.5	ZA	1.388	13.88	1499.1
	AC22 bin D	0.770	7.70	831.8	AC16 surf S	0.370	3.70	400.8
1140.000	Rellenos	0.926	9.23	1205.8				
	ZA	1.569	15.69	1709.2	ZA	1.388	13.88	1513.0
1150.000	AC22 bin D	0.770	7.70	839.5	AC16 surf S	0.371	3.70	404.5
	Rellenos	0.927	9.26	1215.1				
1160.000	ZA	1.569	15.69	1724.9	ZA	1.388	13.88	1526.9
	AC22 bin D	0.770	7.70	847.2	AC16 surf S	0.371	3.71	408.2
1170.000	Rellenos	0.934	9.30	1224.4				

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 51: V微 de servicio Dch. P.K. 101+600

pagina 11

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1100.000	ZA	1.569	15.69	1740.5	ZA	1.388	13.88	1540.8
1110.000	AC22 bin D	0.770	7.70	854.8	AC16 surf S	0.371	3.71	412.0
	Rellenos	0.936	9.35	1233.7				
1120.000	ZA	1.569	15.69	1756.2	ZA	1.388	13.88	1554.7
	AC22 bin D	0.769	7.69	862.5	AC16 surf S	0.370	3.71	415.7
1130.000	Rellenos	0.937	9.36	1243.1				
	ZA	1.569	15.69	1771.9	ZA	1.388	13.88	1568.6
1140.000	AC22 bin D	0.770	7.69	870.2	AC16 surf S	0.371	3.71	419.4
	Rellenos	0.937	9.37	1252.5				

Istram 18.05.05.29 17/01/19 18:49:56 1880
PROYECTO :
EJE: 51: V微 de servicio Dch. P.K. 101+600

pagina 12

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** CAPAS DE FIRME *****								
***** cubicacion segun distancias compensadas *****								

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1210.000	ZA	1.613	16.10	1914.6	ZA	1.430	14.27	1694.9
	AC22 bin D	0.794	7.92	940.3	AC16 surf S	0.382	3.81	453.1
	Rellenos	0.907	9.08	1336.3				
1213.827	ZA	1.616	6.18	1920.7	ZA	1.432	5.48	1700.3
	AC22 bin D	0.796	3.04	943.4	AC16 surf S	0.383	1.46	454.5
	Rellenos	0.904	3.45	1339.7				
1220.000	ZA	1.615	9.97	1930.7	ZA	1.432	8.84	1709.2
	AC22 bin D	0.796	4.91	948.3	AC16 surf S	0.383	2.36	456.9
	Rellenos	0.904	5.55	1345.3				
1230.000	ZA	1.616	16.16	1946.9	ZA	1.432	14.32	1723.5
	AC22 bin D	0.796	7.96	956.2	AC16 surf S	0.383	3.83	460.7
	Rellenos	0.904	9.00	1354.3				
1240.000	ZA	1.615	16.15	1963.0	ZA	1.433	14.32	1737.8
	AC22 bin D	0.796	7.96	964.2	AC16 surf S	0.383	3.83	464.6
	Rellenos	0.905	9.00	1363.3				
1250.000	ZA	1.615	16.15	1979.2	ZA	1.432	14.33	1752.2
	AC22 bin D	0.796	7.96	972.1	AC16 surf S	0.383	3.83	468.4
	Rellenos	0.904	9.00	1372.3				
1260.000	ZA	1.616	16.16	1995.3	ZA	1.432	14.32	1766.5
	AC22 bin D	0.796	7.96	980.1	AC16 surf S	0.383	3.83	472.2
	Rellenos	0.904	9.00	1381.3				
1268.660	ZA	1.616	13.99	2009.3	ZA	1.432	12.40	1778.9
	AC22 bin D	0.796	6.89	987.0	AC16 surf S	0.383	3.31	475.5
	Rellenos	0.904	7.79	1389.1				
1270.000	ZA	1.615	2.16	2011.5	ZA	1.432	1.92	1780.8
	AC22 bin D	0.795	1.07	988.1	AC16 surf S	0.383	0.51	476.0
	Rellenos	0.906	1.21	1390.3				
1280.000	ZA	1.608	16.11	2027.6	ZA	1.425	14.29	1795.1
	AC22 bin D	0.791	7.93	996.0	AC16 surf S	0.381	3.82	479.9
	Rellenos	0.919	9.08	1399.4				
1290.000	ZA	1.601	16.04	2043.7	ZA	1.419	14.22	1809.3
	AC22 bin D	0.788	7.90	1003.9	AC16 surf S	0.379	3.80	483.7
	Rellenos	0.932	9.22	1408.6				
1300.000	ZA	1.594	15.97	2059.6	ZA	1.413	14.16	1823.5
	AC22 bin D	0.784	7.86	1011.7	AC16 surf S	0.377	3.78	487.4
	Rellenos	0.943	9.36	1418.0				

1350.000	AC22 bin D	0.770	1.46	1042.8	AC16 surf S	0.371	0.70	502.4
	Rellenos	0.934	1.77	1455.4				
	ZA	1.577	15.74	2138.6	ZA	1.396	13.93	1893.4
	AC22 bin D	0.774	7.72	1050.5	AC16 surf S	0.373	3.72	506.1
1360.000	Rellenos	0.935	9.35	1464.8				
	ZA	1.585	15.81	2154.4	ZA	1.404	14.00	1907.4
	AC22 bin D	0.778	7.76	1058.3	AC16 surf S	0.375	3.74	509.9
	Rellenos	0.938	9.36	1474.1				
1370.000	ZA	1.592	15.88	2170.3	ZA	1.409	14.06	1921.4
	AC22 bin D	0.783	7.81	1066.1	AC16 surf S	0.376	3.75	513.6
1380.000	Rellenos	0.943	9.40	1483.5				
	ZA	1.599	15.96	2186.3	ZA	1.417	14.13	1935.6
	AC22 bin D	0.787	7.85	1074.0	AC16 surf S	0.379	3.77	517.4
	Rellenos	0.931	9.35	1492.9				
1390.000	ZA	1.607	16.03	2202.3	ZA	1.424	14.20	1949.8
	AC22 bin D	0.791	7.89	1081.8	AC16 surf S	0.381	3.80	521.2
1398.105	Rellenos	0.916	9.21	1502.1				
	ZA	1.613	13.05	2215.3	ZA	1.429	11.56	1961.3
	AC22 bin D	0.794	6.42	1088.3	AC16 surf S	0.382	3.09	524.3
	Rellenos	0.904	7.34	1509.4				
1400.000	ZA	1.613	3.06	2218.4	ZA	1.429	2.71	1964.0
	AC22 bin D	0.794	1.51	1089.8	AC16 surf S	0.382	0.72	525.0
	Rellenos	0.904	1.71	1511.1				

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :

EJE: 51: V de servicio Dch. P.K. 101+600

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1410.000	ZA	1.613	16.13	2234.5		ZA	1.429	14.29	1978.3
	AC22 bin D	0.794	7.94	1097.7	AC16 surf S	0.382	3.82	528.8	
	Rellenos	0.904	9.00	1520.1					
1420.000	ZA	1.613	16.13	2250.6	ZA	1.429	14.29	1992.6	
	AC22 bin D	0.794	7.94	1105.7	AC16 surf S	0.382	3.81	532.6	
	Rellenos	0.904	9.00	1529.1					
1430.000	ZA	1.613	16.13	2266.8	ZA	1.429	14.29	2006.9	
	AC22 bin D	0.794	7.94	1113.6	AC16 surf S	0.382	3.82	536.4	
	Rellenos	0.904	9.00	1538.1					
1433.600	ZA	1.613	5.81	2272.6	ZA	1.429	5.14	2012.1	
	AC22 bin D	0.794	2.86	1116.5	AC16 surf S	0.381	1.37	537.8	
	Rellenos	0.904	3.24	1541.4					
1440.000	ZA	1.608	10.31	2282.9	ZA	1.425	9.13	2021.2	
	AC22 bin D	0.792	5.08	1121.5	AC16 surf S	0.381	2.44	540.2	
	Rellenos	0.913	5.79	1547.2					
1450.000	ZA	1.601	16.04	2298.9	ZA	1.418	14.21	2035.4	
	AC22 bin D	0.788	7.90	1129.4	AC16 surf S	0.379	3.80	544.0	
	Rellenos	0.928	9.17	1556.3					
1460.000	ZA	1.593	15.97	2314.9	ZA	1.412	14.15	2049.6	
	AC22 bin D	0.783	7.85	1137.3	AC16 surf S	0.377	3.78	547.8	
	Rellenos	0.943	9.33	1565.7					
1470.000	ZA	1.586	15.90	2330.8	ZA	1.404	14.08	2063.6	
	AC22 bin D	0.779	7.81	1145.1	AC16 surf S	0.375	3.76	551.6	
	Rellenos	0.939	9.40	1575.0					
1480.000	ZA	1.597	15.91	2346.7	ZA	1.415	14.10	2077.7	
	AC22 bin D	0.785	7.82	1152.9	AC16 surf S	0.378	3.77	555.3	
	Rellenos	0.936	9.37	1584.4					
1490.000	ZA	1.753	16.74	2363.4	ZA	1.561	14.88	2092.6	
	AC22 bin D	0.872	8.28	1161.2	AC16 surf S	0.421	4.00	559.3	
	Rellenos	0.934	9.35	1593.8					
1493.600	ZA	1.861	6.50	2370.0	ZA	1.665	5.81	2098.4	
	AC22 bin D	0.932	3.25	1164.4	AC16 surf S	0.452	1.57	560.9	
	Rellenos	0.934	3.36	1597.1					
1500.000	ZA	2.437	13.75	2383.7	ZA	2.207	12.39	2110.8	
	AC22 bin D	1.253	6.99	1171.4	AC16 surf S	0.611	3.40	564.3	
	Rellenos	0.936	5.98	1603.1					

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :

EJE: 51: V de servicio Dch. P.K. 101+600

pagina 15

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1509.825	ZA	4.881	35.95	2419.7		ZA	4.518	33.04	2143.8
	AC22 bin D	2.610	18.98	1190.4	AC16 surf S	1.290	9.34	573.7	
	Rellenos	0.939	9.21	1612.3					

Istram 18.05.05.29 17/01/19 18:49:56 1880

PROYECTO :

EJE: 51: V de servicio Dch. P.K. 101+600

pagina 16

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****									
MATERIAL		VOLUMEN							
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ZA		2419.7							
AC22 bin D		2143.8							
AC16 surf S		1190.4							
		573.7							

Rellenos 1612.3

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	ZA	5.141	0.00	0.0		ZA	4.764	0.00	0.0
	AC22 bin D	2.754	0.00	0.0	AC16 surf S	1.363	0.00	0.0	
	Rellenos	0.940	0.00	0.0					
10.000	ZA	2.570	38.55	38.5	ZA	2.332	35.47	35.5	
	AC22 bin D	1.326	20.40	20.4	AC16 surf S	0.648	10.05	10.1	
	Rellenos	0.935	9.37	9.4					
20.000	ZA	2.011	22.89	61.4	ZA	1.806	20.68	56.2	
	AC22 bin D	1.015	11.70	32.1	AC16 surf S	0.493	5.70	15.8	
	Rellenos	0.934	9.34	18.7					
30.000	ZA	2.011	20.11	81.6	ZA	1.806	18.06	74.2	
	AC22 bin D	1.015	10.15	42.2	AC16 surf S	0.493	4.93	20.7	
	Rellenos	0.938	9.35	28.1					
40.000	ZA	2.011	20.11	101.7	ZA	1.806	18.06	92.3	
	AC22 bin D	1.015	10.15	52.4	AC16 surf S	0.492	4.93	25.6	
	Rellenos	0.944	9.38	37.4					
50.000	ZA	2.011	20.11	121.8	ZA	1.806	18.06	110.3	
	AC22 bin D	1.015	10.15	62.6	AC16 surf S	0.493	4.92	30.5	
	Rellenos	0.928	9.31	46.7					
60.000	ZA	2.011	20.11	141.9	ZA	1.805	18.06	128.4	
	AC22 bin D	1.016	10.16	72.7	AC16 surf S	0.493	4.93	35.5	
	Rellenos	0.910	9.11	55.9					
70.000	ZA	2.010	20.11	162.0	ZA	1.806	18.05	146.4	
	AC22 bin D	1.015	10.16	82.9	AC16 surf S	0.493	4.93	40.4	
	Rellenos	0.904	8.98	64.8					
80.000	ZA	2.011	20.11	182.1	ZA	1.806	18.06	164.5	
	AC22 bin D	1.015	10.15	93.0	AC16 surf S	0.493	4.93	45.3	
	Rellenos	0.904	8.94	73.8					
90.000	ZA	2.011	20.11	202.2	ZA	1.806	18.06	182.6	
	AC22 bin D	1.015	10.15	103.2	AC16 surf S	0.493	4.93	50.2	
	Rellenos	0.905	8.95	82.7					
100.000	ZA	2.011	20.11	222.3	ZA	1.806	18.06	200.6	
	AC22 bin D	1.015	10.15	113.3	AC16 surf S	0.493	4.93	55.2	
	Rellenos	0.904	8.95	91.7					
110.000	ZA	2.011	20.11	242.4	ZA	1.806	18.06	218.7	
	AC22 bin D	1.015	10.15	123.5	AC16 surf S	0.493	4.92	60.1	
	Rellenos	0.910	8.97	100.6					

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
120.000	ZA	2.011		20.11	262.5	ZA	1.806		18.06 236.7
	AC22 bin D	1.015		10.15	133.6	AC16 surf S	0.493		4.93 65.0
	Rellenos	0.926		9.10	109.8				
130.000	ZA	2.011		20.11	282.6	ZA	1.805		18.05 254.8
	AC22 bin D	1.016		10.16	143.8	AC16 surf S	0.493		4.93 69.9
	Rellenos	0.943		9.29	119.0				
140.000	ZA	2.011		20.11	302.7	ZA	1.806		18.05 272.8
	AC22 bin D	1.015		10.16	153.9	AC16 surf S	0.494		4.93 74.9
	Rellenos	0.939		9.38	128.4				
150.000	ZA	2.011		20.11	322.8	ZA	1.805		18.06 290.9
	AC22 bin D	1.016		10.15	164.1	AC16 surf S	0.493		4.93 79.8
	Rellenos	0.936		9.36	137.8				
160.000	ZA	2.011		20.11	343.0	ZA	1.805		18.05 308.9
	AC22 bin D	1.016		10.16	174.2	AC16 surf S	0.493		4.93 84.7
	Rellenos	0.934		9.35	147.1				
170.000	ZA	2.011		20.11	363.1	ZA	1.806		18.06 327.0
	AC22 bin D	1.015		10.15	184.4	AC16 surf S	0.493		4.93 89.7
	Rellenos	0.935		9.34	156.5				
180.000	ZA	2.011		20.11	383.2	ZA	1.805		18.05 345.0
	AC22 bin D	1.016		10.16	194.6	AC16 surf S	0.493		4.93 94.6
	Rellenos	0.937		9.35	165.8				
190.000	ZA	2.011		20.11	403.3	ZA	1.805		18.05 363.1
	AC22 bin D	1.015		10.15	204.7	AC16 surf S	0.494		4.93 99.5
	Rellenos	0.941		9.37	175.2				
200.000	ZA	2.011		20.11	423.4	ZA	1.805		18.05 381.2
	AC22 bin D	1.016		10.15	214.9	AC16 surf S	0.493		4.93 104.5
	Rellenos	0.934		9.33	184.5				
210.000	ZA	2.011		20.11	443.5	ZA	1.806		18.05 399.2
	AC22 bin D	1.015		10.15	225.0	AC16 surf S	0.493		4.93 109.4
	Rellenos	0.917		9.19	193.7				
220.000	ZA	2.011		20.11	463.6	ZA	1.806		18.06 417.3
	AC22 bin D	1.015		10.15	235.2	AC16 surf S	0.493		4.92 114.3
	Rellenos	0.904		9.02	202.7				
230.000	ZA	2.011		20.11	483.7	ZA	1.806		18.06 435.3
	AC22 bin D	1.015		10.15	245.3	AC16 surf S	0.492		4.92 119.2
	Rellenos	0.904		8.94	211.7				

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
240.000	ZA	2.012	20.11	503.8		ZA	1.806	18.06	453.4
	AC22 bin D	1.015	10.15	255.5		AC16 surf S	0.492	4.92	124.2
	Rellenos	0.904	8.94	220.6					
250.000	ZA	2.012	20.12	524.0		ZA	1.806	18.06	471.4
	AC22 bin D	1.015	10.15	265.6		AC16 surf S	0.493	4.92	129.1
	Rellenos	0.892	8.89	229.5					
260.000	ZA	2.005	20.08	544.0		ZA	1.800	18.03	489.5
	AC22 bin D	1.012	10.13	275.8		AC16 surf S	0.491	4.92	134.0
	Rellenos	0.869	8.72	238.2					
270.000	ZA	1.989	19.97	564.0		ZA	1.785	17.92	507.4
	AC22 bin D	1.004	10.08	285.8		AC16 surf S	0.487	4.89	138.9
	Rellenos	0.866	8.62	246.9					
280.000	ZA	1.974	19.81	583.8		ZA	1.771	17.78	525.2
	AC22 bin D	0.994	9.99	295.8		AC16 surf S	0.483	4.85	143.7
	Rellenos	0.851	8.55	255.4					
290.000	ZA	1.958	19.66	603.5		ZA	1.756	17.64	542.8
	AC22 bin D	0.986	9.90	305.7		AC16 surf S	0.478	4.80	148.5
	Rellenos	0.874	8.61	264.0					
300.000	ZA	1.944	19.51	623.0		ZA	1.741	17.49	560.3
	AC22 bin D	0.978	9.82	315.6		AC16 surf S	0.474	4.76	153.3
	Rellenos	0.907	8.89	272.9					
310.000	ZA	1.930	19.37	642.4		ZA	1.729	17.35	577.6
	AC22 bin D	0.970	9.74	325.3		AC16 surf S	0.471	4.72	158.0
	Rellenos	0.937	9.22	282.1					
320.000	ZA	1.929	19.30	661.7		ZA	1.729	17.29	594.9
	AC22 bin D	0.970	9.70	335.0		AC16 surf S	0.471	4.71	162.7
	Rellenos	0.937	9.37	291.5					
330.000	ZA	1.930	19.30	680.9		ZA	1.728	17.28	612.2
	AC22 bin D	0.971	9.71	344.7		AC16 surf S	0.471	4.71	167.4
	Rellenos	0.937	9.37	300.9					
340.000	ZA	1.930	19.30	700.2		ZA	1.729	17.28	629.5
	AC22 bin D	0.970	9.71	354.4		AC16 surf S	0.471	4.71	172.1
	Rellenos	0.936	9.36	310.2					
350.000	ZA	1.930	19.30	719.5		ZA	1.728	17.28	646.8
	AC22 bin D	0.971	9.71	364.1		AC16 surf S	0.470	4.70	176.9
	Rellenos	0.929	9.33	319.5					

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 4
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
360.000	ZA	1.930	19.30	738.8		ZA	1.729	17.28	664.1
	AC22 bin D	0.970	9.70	373.8		AC16 surf S	0.471	4.71	181.6
	Rellenos	0.914	9.21	328.8					
370.000	ZA	1.929	19.30	758.1		ZA	1.729	17.29	681.3
	AC22 bin D	0.970	9.70	383.5		AC16 surf S	0.471	4.71	186.3
	Rellenos	0.891	9.02	337.8					
380.000	ZA	1.930	19.30	777.4		ZA	1.728	17.28	698.6
	AC22 bin D	0.971	9.71	393.2		AC16 surf S	0.471	4.71	191.0
	Rellenos	0.880	8.86	346.6					
390.000	ZA	1.930	19.30	796.7		ZA	1.729	17.28	715.9
	AC22 bin D	0.970	9.71	402.9		AC16 surf S	0.471	4.71	195.7
	Rellenos	0.869	8.74	355.4					
400.000	ZA	1.930	19.30	816.0		ZA	1.728	17.28	733.2
	AC22 bin D	0.971	9.71	412.6		AC16 surf S	0.470	4.70	200.4
	Rellenos	1.023	9.46	364.8					
410.000	ZA	1.930	19.30	835.3		ZA	1.729	17.28	750.5
	AC22 bin D	0.970	9.70	422.4		AC16 surf S	0.471	4.71	205.1
	Rellenos	0.863	9.43	374.3					
420.000	ZA	1.929	19.30	854.6		ZA	1.729	17.29	767.8
	AC22 bin D	0.970	9.70	432.1		AC16 surf S	0.471	4.71	209.8
	Rellenos	0.937	9.00	383.3					
430.000	ZA	1.930	19.30	873.9		ZA	1.728	17.28	785.1
	AC22 bin D	0.971	9.71	441.8		AC16 surf S	0.471	4.71	214.5
	Rellenos	0.937	9.37	392.6					
440.000	ZA	1.930	19.30	893.2		ZA	1.729	17.28	802.3
	AC22 bin D	0.970	9.71	451.5		AC16 surf S	0.471	4.71	219.2
	Rellenos	0.937	9.37	402.0					
450.000	ZA	1.930	19.30	912.5		ZA	1.728	17.28	819.6
	AC22 bin D	0.971	9.71	461.2		AC16 surf S	0.470	4.70	223.9
	Rellenos	0.937	9.37	411.4					
460.000	ZA	1.930	19.30	931.8		ZA	1.729	17.28	836.9
	AC22 bin D	0.970	9.70	470.9		AC16 surf S	0.471	4.71	228.6
	Rellenos	0.937	9.37	420.7					
470.000	ZA	1.929	19.30	951.1		ZA	1.729	17.29	854.2
	AC22 bin D	0.970	9.70	480.6		AC16 surf S	0.471	4.71	233.3
	Rellenos	0.937	9.37	430.1					

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 5
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
480.000	ZA	1.930	19.30	970.4		ZA	1.728	17.28	871.5
	AC22 bin D	0.971	9.71	490.3		AC16 surf S	0.471	4.71	238.0
	Rellenos	0.937	9.37	439.5					
490.000	ZA	1.930	19.30	989.7		ZA	1.729	17.28	888.8
	AC22 bin D	0.970	9.71	500.0		AC16 surf S	0.471	4.71	242.7
	Rellenos	0.937	9.37	448.8					
500.000	ZA	1.930	19.30	1009.0		ZA	1.728	17.28	906.0
	AC22 bin D	0.971	9.71	509.7		AC16 surf S	0.470	4.70	247.5
	Rellenos	0.937	9.37	458.2					
510.000	ZA	1.930	19.30	1028.3		ZA	1.729	17.28	923.3
	AC22 bin D	0.970	9.70	519.4		AC16 surf S	0.471	4.71	252.2
	Rellenos	0.937	9.37	467.6					
520.000	ZA	1.929	19.30	1047.6		ZA	1.729	17.29	940.6
	AC22 bin D	0.970	9.70	529.1		AC16 surf S	0.471	4.71	256.9
	Rellenos	0.936	9.36	476.9					
530.000	ZA	1.930	19.30	1066.9		ZA	1.728	17.28	957.9
	AC22 bin D	0.971	9.71	538.8		AC16 surf S	0.471	4.71	261.6
	Rellenos	0.937	9.36	486.3					
540.000	ZA	1.930	19.30	1086.2		ZA	1.729	17.28	975.2
	AC22 bin D	0.970	9.71	548.5		AC16 surf S	0.471	4.71	266.3
	Rellenos	0.937	9.37	495.7					
550.000	ZA	1.930	19.30	1105.5		ZA	1.728	17.28	992.5
	AC22 bin D	0.971	9.71	558.2		AC16 surf S	0.470	4.70	271.0
	Rellenos	0.937	9.37	505.0					
560.000	ZA	1.930	19.30	1124.8		ZA	1.729	17.28	1009.8
	AC22 bin D	0.970	9.70	567.9		AC16 surf S	0.471	4.71	275.7
	Rellenos	0.937	9.37	514.4					
570.000	ZA	1.929	19.30	1144.1		ZA	1.729	17.29	1027.0
	AC22 bin D	0.970	9.70	577.6		AC16 surf S	0.471	4.71	280.4
	Rellenos	0.937	9.37	523.8					
580.000	ZA	1.930	19.30	1163.4		ZA	1.728	17.28	1044.3
	AC22 bin D	0.971	9.71	587.3		AC16 surf S	0.471	4.71	285.1
	Rellenos	0.937	9.37	533.1					
590.000	ZA	1.930	19.30	1182.7		ZA	1.729	17.28	1061.6
	AC22 bin D	0.970	9.71	597.0		AC16 surf S	0.471	4.71	289.8
	Rellenos	0.937	9.37	542.5					

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 6
PROYECTO :
EJE: 53: V^{de} de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
600.000	ZA	1.930		19.30	1202.0	ZA	1.728		17.28 1078.9
	AC22 bin D	0.971		9.71	606.8	AC16 surf S	0.470		4.70 294.5
	Rellenos	0.937		9.37	551.9				
610.000	ZA	1.930		19.30	1221.3	ZA	1.729		17.28 1096.2
	AC22 bin D	0.970		9.70	616.5	AC16 surf S	0.471		4.71 299.2
	Rellenos	0.937		9.37	561.2				
620.000	ZA	1.929		19.30	1240.6	ZA	1.729		17.29 1113.5
	AC22 bin D	0.970		9.70	626.2	AC16 surf S	0.471		4.71 303.9
	Rellenos	0.937		9.37	570.6				
630.000	ZA	1.930		19.30	1259.9	ZA	1.728		17.28 1130.8
	AC22 bin D	0.971		9.71	635.9	AC16 surf S	0.471		4.71 308.6
	Rellenos	0.937		9.37	580.0				
640.000	ZA	1.930		19.30	1279.2	ZA	1.729		17.28 1148.0
	AC22 bin D	0.970		9.71	645.6	AC16 surf S	0.471		4.71 313.4
	Rellenos	0.937		9.37	589.3				
650.000	ZA	1.930		19.30	1298.5	ZA	1.728		17.28 1165.3
	AC22 bin D	0.971		9.71	655.3	AC16 surf S	0.470		4.70 318.1
	Rellenos	0.937		9.37	598.7				
660.000	ZA	1.930		19.30	1317.8	ZA	1.729		17.28 1182.6
	AC22 bin D	0.970		9.70	665.0	AC16 surf S	0.471		4.71 322.8
	Rellenos	0.932		9.34	608.1				
670.000	ZA	1.929		19.30	1337.1	ZA	1.729		17.29 1199.9
	AC22 bin D	0.970		9.70	674.7	AC16 surf S	0.471		4.71 327.5
	Rellenos	0.924		9.27	617.3				
680.000	ZA	1.930		19.30	1356.4	ZA	1.728		17.28 1217.2
	AC22 bin D	0.971		9.71	684.4	AC16 surf S	0.471		4.71 332.2
	Rellenos	0.937		9.30	626.6				
690.000	ZA	1.930		19.30	1375.7	ZA	1.729		17.28 1234.5
	AC22 bin D	0.970		9.71	694.1	AC16 surf S	0.471		4.71 336.9
	Rellenos	0.899		9.18	635.8				
700.000	ZA	1.930		19.30	1395.0	ZA	1.728		17.28 1251.8
	AC22 bin D	0.971		9.71	703.8	AC16 surf S	0.470		4.70 341.6
	Rellenos	0.874		8.86	644.7				
710.000	ZA	1.930		19.30	1414.3	ZA	1.729		17.28 1269.0
	AC22 bin D	0.970		9.70	713.5	AC16 surf S	0.471		4.71 346.3
	Rellenos	0.868		8.71	653.4				

730.000	AC22 bin D	0.970	9.70	723.2	AC16 surf S	0.471	4.71	351.0
	Rellenos	0.936	9.02	662.4				
	ZA	1.930	19.30	1452.9	ZA	1.728	17.28	1303.6
740.000	AC22 bin D	0.971	9.71	732.9	AC16 surf S	0.471	4.71	355.7
	Rellenos	0.929	9.33	671.7				
	ZA	1.930	19.30	1472.2	ZA	1.729	17.28	1320.9
750.000	AC22 bin D	0.970	9.71	742.6	AC16 surf S	0.471	4.71	360.4
	Rellenos	0.915	9.22	680.9				
	ZA	1.930	19.30	1491.5	ZA	1.728	17.28	1338.2
760.000	AC22 bin D	0.971	9.71	752.3	AC16 surf S	0.470	4.70	365.1
	Rellenos	0.894	9.04	690.0				
	ZA	1.930	19.30	1510.8	ZA	1.729	17.28	1355.5
770.000	AC22 bin D	0.970	9.70	762.0	AC16 surf S	0.471	4.71	369.8
	Rellenos	0.960	9.26	699.2				
	ZA	1.929	19.30	1530.1	ZA	1.729	17.29	1372.7
780.000	AC22 bin D	0.970	9.70	771.7	AC16 surf S	0.471	4.71	374.5
	Rellenos	1.047	10.03	709.3				
	ZA	1.930	19.30	1549.4	ZA	1.728	17.28	1390.0
790.000	AC22 bin D	0.971	9.71	781.4	AC16 surf S	0.471	4.71	379.2
	Rellenos	0.937	9.92	719.2				
	ZA	1.930	19.30	1568.7	ZA	1.729	17.28	1407.3
800.000	AC22 bin D	0.970	9.71	791.1	AC16 surf S	0.471	4.71	384.0
	Rellenos	0.937	9.37	728.6				
	ZA	1.930	19.30	1588.0	ZA	1.728	17.28	1424.6
810.000	AC22 bin D	0.971	9.71	800.9	AC16 surf S	0.470	4.70	388.7
	Rellenos	0.937	9.37	737.9				
	ZA	1.930	19.30	1607.3	ZA	1.729	17.28	1441.9
820.000	AC22 bin D	0.970	9.70	810.6	AC16 surf S	0.471	4.71	393.4
	Rellenos	0.937	9.37	747.3				
	ZA	1.929	19.30	1626.6	ZA	1.729	17.29	1459.2
830.000	AC22 bin D	0.970	9.70	820.3	AC16 surf S	0.471	4.71	398.1
	Rellenos	0.937	9.37	756.7				
	ZA	1.930	19.30	1645.9	ZA	1.728	17.28	1476.5
	AC22 bin D	0.971	9.71	830.0	AC16 surf S	0.471	4.71	402.8
	Rellenos	0.937	9.37	766.0				

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
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840.000	ZA	1.930	19.30	1665.2	ZA	1.729	17.28	1493.7
	AC22 bin D	0.970	9.71	839.7	AC16 surf S	0.471	4.71	407.5
	Rellenos	0.937	9.37	775.4				
850.000	ZA	1.930	19.30	1684.5	ZA	1.728	17.28	1511.0
	AC22 bin D	0.971	9.71	849.4	AC16 surf S	0.470	4.70	412.2
	Rellenos	0.937	9.37	784.8				
860.000	ZA	1.930	19.30	1703.8	ZA	1.729	17.28	1528.3
	AC22 bin D	0.970	9.70	859.1	AC16 surf S	0.471	4.71	416.9
	Rellenos	0.937	9.37	794.1				
870.000	ZA	1.929	19.30	1723.1	ZA	1.729	17.29	1545.6
	AC22 bin D	0.970	9.70	868.8	AC16 surf S	0.471	4.71	421.6
	Rellenos	0.937	9.37	803.5				
880.000	ZA	1.930	19.30	1742.4	ZA	1.728	17.28	1562.9
	AC22 bin D	0.971	9.71	878.5	AC16 surf S	0.471	4.71	426.3
	Rellenos	0.937	9.37	812.9				
890.000	ZA	1.930	19.30	1761.7	ZA	1.729	17.28	1580.2
	AC22 bin D	0.970	9.71	888.2	AC16 surf S	0.471	4.71	431.0
	Rellenos	0.937	9.37	822.2				
900.000	ZA	1.930	19.30	1781.0	ZA	1.728	17.28	1597.5
	AC22 bin D	0.971	9.71	897.9	AC16 surf S	0.470	4.70	435.7
	Rellenos	0.937	9.37	831.6				
910.000	ZA	1.930	19.30	1800.3	ZA	1.729	17.28	1614.7
	AC22 bin D	0.970	9.70	907.6	AC16 surf S	0.471	4.71	440.4
	Rellenos	0.937	9.37	841.0				
920.000	ZA	1.929	19.30	1819.6	ZA	1.729	17.29	1632.0
	AC22 bin D	0.970	9.70	917.3	AC16 surf S	0.471	4.71	445.1
	Rellenos	0.937	9.37	850.3				
930.000	ZA	1.930	19.30	1838.9	ZA	1.729	17.29	1649.3
	AC22 bin D	0.970	9.70	927.0	AC16 surf S	0.471	4.71	449.9
	Rellenos	0.960	9.49	859.8				
940.000	ZA	1.931	19.30	1858.2	ZA	1.730	17.29	1666.6
	AC22 bin D	0.970	9.70	936.7	AC16 surf S	0.471	4.71	454.6
	Rellenos	0.994	9.77	869.6				
950.000	ZA	1.931	19.31	1877.5	ZA	1.730	17.30	1683.9
	AC22 bin D	0.970	9.70	946.4	AC16 surf S	0.471	4.71	459.3
	Rellenos	1.012	10.03	879.6				

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
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960.000	ZA	1.930	19.31	1896.8	ZA	1.730	17.30	1701.2
	AC22 bin D	0.970	9.70	956.1	AC16 surf S	0.472	4.72	464.0
	Rellenos	1.012	10.12	889.7				
970.000	ZA	1.930	19.30	1916.1	ZA	1.730	17.30	1718.5
	AC22 bin D	0.970	9.70	965.8	AC16 surf S	0.472	4.72	468.7

980.000	Rellenos	1.012	10.12	899.9				
	ZA	1.931	19.31	1935.4	ZA	1.730	17.30	1735.8
	AC22 bin D	0.970	9.70	975.5	AC16 surf S	0.471	4.72	473.4
990.000	Rellenos	1.012	10.12	910.0				
	ZA	1.930	19.31	1954.7	ZA	1.729	17.30	1753.1
	AC22 bin D	0.971	9.71	985.2	AC16 surf S	0.472	4.72	478.1
1000.000	Rellenos	1.012	10.12	920.1				
	ZA	1.931	19.31	1974.0	ZA	1.730	17.30	1770.4
	AC22 bin D	0.970	9.70	994.9	AC16 surf S	0.472	4.72	482.9
1010.000	Rellenos	1.012	10.12	930.2				
	ZA	1.930	19.31	1993.3	ZA	1.729	17.30	1787.7
	AC22 bin D	0.971	9.70	1004.6	AC16 surf S	0.472	4.72	487.6
1020.000	Rellenos	1.000	10.06	940.3				
	ZA	1.931	19.31	2012.6	ZA	1.730	17.30	1805.0
	AC22 bin D	0.970	9.71	1014.3	AC16 surf S	0.471	4.72	492.3
1030.000	Rellenos	0.973	9.86	950.1				
	ZA	1.930	19.31	2031.9	ZA	1.730	17.30	1822.3
	AC22 bin D	0.970	9.70	1024.1	AC16 surf S	0.472	4.72	497.0
1040.000	Rellenos	0.995	9.84	960.0				
	ZA	1.931	19.31	2051.2	ZA	1.730	17.30	1839.6
	AC22 bin D	0.970	9.70	1033.8	AC16 surf S	0.471	4.72	501.7
1050.000	Rellenos	1.012	10.04	970.0				
	ZA	1.930	19.31	2070.5	ZA	1.729	17.30	1856.9
	AC22 bin D	0.971	9.71	1043.5	AC16 surf S	0.472	4.72	506.4
1060.000	Rellenos	1.012	10.12	980.1				
	ZA	1.930	19.30	2089.8	ZA	1.730	17.30	1874.2
	AC22 bin D	0.970	9.70	1053.2	AC16 surf S	0.472	4.72	511.2
1070.000	Rellenos	1.012	10.12	990.2				
	ZA	1.930	19.30	2109.1	ZA	1.730	17.30	1891.5
	AC22 bin D	0.970	9.70	1062.9	AC16 surf S	0.472	4.72	515.9
	Rellenos	1.087	10.49	1000.7				

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 10

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1080.000	ZA	1.931	19.31	2128.4		ZA	1.729	17.30	1908.8	
	AC22 bin D	0.970	9.70	1072.6		AC16 surf S	0.471	4.72	520.6	
	Rellenos	1.095	10.91	1011.7						
1090.000	ZA	1.931	19.31	2147.8		ZA	1.729	17.29	1926.1	
	AC22 bin D	0.971	9.71	1082.3		AC16 surf S	0.472	4.72	525.3	
	Rellenos	1.042	10.69	1022.3						
1100.000	ZA	1.930	19.31	2167.1		ZA	1.730	17.29	1943.4	
	AC22 bin D	0.970	9.71	1092.0		AC16 surf S	0.472	4.72	530.0	
	Rellenos	0.962	10.02	1032.4						
1110.000	ZA	1.931	19.31	2186.4		ZA	1.730	17.30	1960.7	
	AC22 bin D	0.970	9.70	1101.7		AC16 surf S	0.471	4.72	534.7	
	Rellenos	0.953	9.57	1041.9						
1120.000	ZA	1.930	19.31	2205.7		ZA	1.730	17.30	1978.0	
	AC22 bin D	0.970	9.70	1111.4		AC16 surf S	0.472	4.72	539.5	
	Rellenos	0.989	9.71	1051.6						
1130.000	ZA	1.930	19.30	2225.0		ZA	1.730	17.30	1995.3	
	AC22 bin D	0.970	9.70	1121.1		AC16 surf S	0.472	4.72	544.2	
	Rellenos	0.974	9.82	1061.5						
1140.000	ZA	1.930	19.30	2244.3		ZA	1.730	17.30	2012.5	
	AC22 bin D	0.970	9.70	1130.8		AC16 surf S	0.472	4.72	548.9	
	Rellenos	0.965	9.69	1071.1						
1150.000	ZA	1.931	19.31	2263.6		ZA	1.730	17.30	2029.8	
	AC22 bin D	0.970	9.70	1140.5		AC16 surf S	0.471	4.72	553.6	
	Rellenos	0.962	9.63	1080.8						
1160.000	ZA	1.930	19.31	2282.9		ZA	1.729	17.30	2047.1	
	AC22 bin D	0.971	9.71	1150.2		AC16 surf S	0.472	4.72	558.3	
	Rellenos	1.010	9.86	1090.6						
1170.000	ZA	1.931	19.31	2302.2		ZA	1.730	17.30	2064.4	
	AC22 bin D	0.970	9.70	1159.9		AC16 surf S	0.472	4.72	563.0	
	Rellenos	0.977	9.94	1100.6						
1180.000	ZA	1.931	19.31	2321.5		ZA	1.730	17.30	2081.7	
	AC22 bin D	0.970	9.70	1169.6		AC16 surf S	0.471	4.72	567.8	
	Rellenos	1.007	9.92	1110.5						
1190.000	ZA	1.930	19.31	2340.8		ZA	1.729	17.30	2099.0	
	AC22 bin D	0.971	9.71	1179.3		AC16 surf S	0.472	4.72	572.5	
	Rellenos	0.991	9.99	1120.5						

1230.000	ZA	1.930	19.31	2418.0	ZA	1.729	17.29	2168.2		AC22 bin D	0.970	9.71	1460.7	AC16 surf S	0.472	4.72	709.3
	AC22 bin D	0.971	9.71	1218.1	AC16 surf S	0.472	4.72	591.3		Rellenos	1.006	10.09	1412.5				
	Rellenos	1.012	10.69	1162.4					1490.000	ZA	1.930	19.30	2920.0	ZA	1.729	17.30	2617.9
1240.000	ZA	1.931	19.31	2437.3	ZA	1.729	17.29	2185.5		AC22 bin D	0.971	9.70	1470.4	AC16 surf S	0.472	4.72	714.0
	AC22 bin D	0.971	9.71	1227.8	AC16 surf S	0.472	4.72	596.1		Rellenos	1.012	10.09	1422.6				
	Rellenos	1.012	10.12	1172.6					1500.000	ZA	1.930	19.30	2939.3	ZA	1.730	17.30	2635.2
1250.000	ZA	1.930	19.30	2456.6	ZA	1.729	17.29	2202.8		AC22 bin D	0.970	9.70	1480.1	AC16 surf S	0.472	4.72	718.7
	AC22 bin D	0.971	9.71	1237.6	AC16 surf S	0.472	4.72	600.8		Rellenos	1.009	10.10	1432.7				
	Rellenos	1.012	10.12	1182.7					1510.000	ZA	1.931	19.30	2958.6	ZA	1.730	17.30	2652.5
1260.000	ZA	1.930	19.30	2476.0	ZA	1.729	17.29	2220.1		AC22 bin D	0.970	9.70	1489.8	AC16 surf S	0.471	4.72	723.4
	AC22 bin D	0.971	9.71	1247.3	AC16 surf S	0.472	4.72	605.5		Rellenos	1.003	10.06	1442.7				
	Rellenos	1.012	10.12	1192.8					1520.000	ZA	1.931	19.31	2977.9	ZA	1.729	17.29	2669.8
1270.000	ZA	1.930	19.30	2495.3	ZA	1.730	17.30	2237.4		AC22 bin D	0.971	9.71	1499.5	AC16 surf S	0.471	4.71	728.2
	AC22 bin D	0.970	9.70	1257.0	AC16 surf S	0.472	4.72	610.2		Rellenos	0.992	9.97	1452.7				
	Rellenos	1.012	10.12	1202.9					1530.000	ZA	1.930	19.31	2997.2	ZA	1.730	17.29	2687.1
1280.000	ZA	1.931	19.31	2514.6	ZA	1.729	17.29	2254.7		AC22 bin D	0.970	9.71	1509.3	AC16 surf S	0.472	4.72	732.9
	AC22 bin D	0.971	9.71	1266.7	AC16 surf S	0.472	4.72	614.9		Rellenos	0.984	9.88	1462.6				
	Rellenos	1.009	10.11	1213.0					1540.000	ZA	1.930	19.30	3016.5	ZA	1.729	17.30	2704.4
1290.000	ZA	1.931	19.31	2533.9	ZA	1.730	17.29	2272.0		AC22 bin D	0.971	9.70	1519.0	AC16 surf S	0.472	4.72	737.6
	AC22 bin D	0.970	9.71	1276.4	AC16 surf S	0.472	4.72	619.7		Rellenos	0.970	9.77	1472.3				
	Rellenos	1.010	10.10	1223.1					1550.000	ZA	1.930	19.30	3035.8	ZA	1.730	17.30	2721.7
1300.000	ZA	1.930	19.31	2553.2	ZA	1.730	17.30	2289.3		AC22 bin D	0.970	9.70	1528.7	AC16 surf S	0.472	4.72	742.3
	AC22 bin D	0.970	9.70	1286.1	AC16 surf S	0.472	4.72	624.4		Rellenos	0.952	9.61	1481.9				
	Rellenos	1.005	10.08	1233.2													
1310.000	ZA	1.931	19.31	2572.5	ZA	1.729	17.30	2306.6		Istram 18.05.05.29 17/01/19 18:49:57	1880						pagina 14
	AC22 bin D	0.970	9.70	1295.8	AC16 surf S	0.472	4.72	629.1		PROYECTO :							
	Rellenos	0.992	9.99	1243.2						EJE: 53: V de servicio Dch. P.K. 103+800							

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

pagina 12

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1320.000	ZA	1.930	19.31	2591.8	ZA	1.730	17.30	2323.9
	AC22 bin D	0.970	9.70	1305.5	AC16 surf S	0.472	4.72	633.8
	Rellenos	0.994	9.93	1253.1				
1330.000	ZA	1.931	19.31	2611.1	ZA	1.730	17.30	2341.2
	AC22 bin D	0.970	9.70	1315.2	AC16 surf S	0.471	4.72	638.5
	Rellenos	0.988	9.91	1263.0				
1340.000	ZA	1.930	19.31	2630.4	ZA	1.730	17.30	2358.5
	AC22 bin D	0.970	9.70	1324.9	AC16 surf S	0.472	4.72	643.3
	Rellenos	0.961	9.74	1272.8				
1350.000	ZA	1.930	19.30	2649.7	ZA	1.730	17.30	2375.8
	AC22 bin D	0.970	9.70	1334.6	AC16 surf S	0.472	4.72	648.0
	Rellenos	0.947	9.54	1282.3				
1360.000	ZA	1.931	19.30	2669.0	ZA	1.730	17.30	2393.1
	AC22 bin D	0.970	9.70	1344.3	AC16 surf S	0.472	4.72	652.7
	Rellenos	1.008	9.77	1292.1				
1370.000	ZA	1.931	19.31	2688.3	ZA	1.730	17.30	2410.3
	AC22 bin D	0.970	9.70	1354.0	AC16 surf S	0.472	4.72	657.4
	Rellenos	0.985	9.96	1302.0				
1380.000	ZA	1.931	19.31	2707.6	ZA	1.730	17.30	2427.6
	AC22 bin D	0.970	9.70	1363.7	AC16 surf S	0.472	4.72	662.1
	Rellenos	0.972	9.78	1311.8				
1390.000	ZA	1.930	19.31	2726.9	ZA	1.729	17.30	2444.9
	AC22 bin D	0.971	9.70	1373.4	AC16 surf S	0.472	4.72	666.8
	Rellenos	1.003	9.88	1321.7				
1400.000	ZA	1.930	19.30	2746.2	ZA	1.730	17.30	2462.2
	AC22 bin D	0.970	9.70	1383.1	AC16 surf S	0.472	4.72	671.6
	Rellenos	1.012	10.08	1331.8				
1410.000	ZA	1.931	19.30	2765.5	ZA	1.730	17.30	2479.5
	AC22 bin D	0.970	9.70	1392.8	AC16 surf S	0.471	4.72	676.3
	Rellenos	1.010	10.11	1341.9				
1420.000	ZA	1.931	19.31	2784.8	ZA	1.729	17.29	2496.8
	AC22 bin D	0.971	9.71	1402.5	AC16 surf S	0.471	4.71	681.0
	Rellenos	1.012	10.11	1352.0				
1430.000	ZA	1.930	19.31	2804.1	ZA	1.730	17.29	2514.1
	AC22 bin D	0.970	9.71	1412.2	AC16 surf S	0.472	4.72	685.7
	Rellenos	1.012	10.12	1362.1				

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

pagina 13

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1440.000	ZA	1.930	19.30	2823.5	ZA	1.729	17.30	2531.4
	AC22 bin D	0.971	9.70	1421.9	AC16 surf S	0.472	4.72	690.4
	Rellenos	1.012	10.12	1372.2				
1450.000	ZA	1.930	19.30	2842.8	ZA	1.730	17.30	2548.7
	AC22 bin D	0.970	9.70	1431.6	AC16 surf S	0.472	4.72	695.1
	Rellenos	0.991	10.01	1382.2				
1460.000	ZA	1.931	19.30	2862.1	ZA	1.730	17.30	2566.0
	AC22 bin D	0.970	9.70	1441.3	AC16 surf S	0.471	4.72	699.9
	Rellenos	1.012	10.01	1392.3				
1470.000	ZA	1.931	19.31	2881.4	ZA	1.729	17.29	2583.3
	AC22 bin D	0.971	9.71	1451.0	AC16 surf S	0.471	4.71	704.6
	Rellenos	1.012	10.12	1402.4				
1480.000	ZA	1.930	19.31	2900.7	ZA	1.730	17.29	2600.6

	AC22 bin D	0.970	9.71	1460.7	AC16 surf S	0.472	4.72	709.3
	Rellenos	1.006	10.09	1412.5				
1490.000	ZA	1.930	19.30	2920.0	ZA	1.729	17.30	2617.9
	AC22 bin D	0.971	9.70	1470.4	AC16 surf S	0.472	4.72	714.0
	Rellenos	1.012	10.09	1422.6				
1500.000	ZA	1.930	19.30	2939.3	ZA	1.730	17.30	2635.2
	AC22 bin D	0.970	9.70	1480.1	AC16 surf S	0.472	4.72	718.7
	Rellenos	1.009	10.10	1432.7				
1510.000	ZA	1.931	19.30	2958.6	ZA	1.730	17.30	2652.5
	AC22 bin D	0.970	9.70	1489.8	AC16 surf S	0.471	4.72	723.4
	Rellenos	1.003	10.06	1442.7				
1520.000	ZA	1.931	19.31	2977.9	ZA	1.729	17.29	2669.8
	AC22 bin D	0.971	9.71	1499.5	AC16 surf S	0.471	4.71	728.2
	Rellenos	0.992	9.97	1452.7				
1530.000	ZA	1.930	19.31	2997.2	ZA	1.730	17.29	2687.1
	AC22 bin D	0.970	9.71	1509.3	AC16 surf S	0.472	4.72	732.9
	Rellenos	0.984	9.88	1462.6				
1540.000	ZA	1.930	19.30	3016.5	ZA	1.729	17.30	2704.4
	AC22 bin D	0.971	9.70	1519.0	AC16 surf S	0.472	4.72	737.6
	Rellenos	0.970	9.77	1472.3				
1550.000	ZA	1.930	19.30	3035.8	ZA	1.730	17.30	2721.7
	AC22 bin D	0.970	9.70	1528.7	AC16 surf S	0.472	4.72	742.3
	Rellenos	0.952	9.61	1481.9				

Istram 18.05.05.29 17/01/19 18:49:57 1880

PROYECTO :

EJE: 53: V de servicio Dch. P.K. 103+800

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1560.000	ZA	1.931	19.30	3055.1	ZA	1.730	17.30	2739.0
	AC22 bin D	0.970	9.70	1538.4	AC16 surf S	0.471	4.72	747.0
	Rellenos	0.932	9.42	1491.4				
1570.000	ZA	1.931	19.31	3074.4	ZA	1.729	17.29	2756.3
	AC22 bin D	0.971	9.71	1548.1	AC16 surf S	0.471	4.71	751.7
	Rellenos	0.928	9.30	1500.7				
1580.000	ZA	1.931	19.31	3093.7	ZA	1.730	17.29	2773.6
	AC22 bin D	0.970	9.71	1557.8	AC16 surf S	0.471	4.71	756.5
	Rellenos	1.001	9.65	1510.3				
1590.000	ZA	1.930	19.31	3113.0	ZA	1.729	17.30	2790.9
	AC22 bin D	0.971	9.70	1567.5	AC16 surf S	0.472	4.72	761.2
	Rellenos	1.063	10.32	1520.6				
1600.000	ZA	1.931	19.31	3132.3	ZA	1.730	17.30	2808.2
	AC22 bin D	0.970	9.71	1577.2	AC16 surf S	0.471	4.72	765.9
	Rellenos	1.104	10.83	1531.5				
1610.000	ZA	1.931	19.31	3151.7	ZA	1.730	17.30	2825.5
	AC22 bin D	0.970	9.70	1586.9	AC16 surf S	0.471	4.71	770.6
	Rellenos	1.118	11.11	1542.6				
1620.000	ZA	1.930	19.31	3171.0	ZA	1.730	17.30	2842.8
	AC22 bin D	0.970	9.70	1596.6	AC16 surf S	0.472	4.72	775.3
	Rellenos	1.148	11.33	1553.9				
1630.000	ZA	1.931	19.31	3190.3	ZA	1.730	17.30	2860.1
	AC22 bin D	0.970	9.70	1606.3	AC16 surf S	0.471	4.72	780.0
	Rellenos	1.146	11.47	1565.4				
1640.000	ZA	1.931	19.31	3209.6	ZA	1.730	17.30	2877.4
	AC22 bin D	0.970	9.70	1616.0	AC16 surf S	0.472	4.72	784.7
	Rellenos	1.111	11.28	1576.7				
1650.000	ZA	1.931	19.31	3228.9	ZA	1.729	17.30	2894.6
	AC22 bin D	0.970	9.70	1625.7	AC16 surf S	0.471	4.72	789.5
	Rellenos	1.060	10.86	1587.5				
1660.000	ZA	1.931	19.31	3248.2	ZA	1.729	17.29	2911.9
	AC22 bin D	0.970	9.70	1635.4	AC16 surf S	0.471	4.71	794.2
	Rellenos	0.922	9.91	1597.4				
1670.000	ZA	1.931	19.31	3267.5	ZA	1.730	17.30	2929.2
	AC22 bin D	0.970	9.70	1645.1	AC16 surf S	0.471	4.71	798.9
	Rellenos	0.955	9.39	1606.8				

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2250.000	AC22 bin D	0.970	9.70	2198.2	AC16 surf S	0.471	4.72	1067.8
	Rellenos	1.012	10.12	2181.0				
	ZA	1.931	19.31	4387.3	ZA	1.730	17.30	3932.4
2260.000	AC22 bin D	0.970	9.70	2207.9	AC16 surf S	0.472	4.72	1072.5
	Rellenos	1.012	10.12	2191.1				
	ZA	1.930	19.31	4406.6	ZA	1.730	17.30	3949.7
2270.000	AC22 bin D	0.970	9.70	2217.6	AC16 surf S	0.472	4.72	1077.2
	Rellenos	1.012	10.12	2201.3				
	ZA	1.931	19.31	4425.9	ZA	1.730	17.30	3967.0
	AC22 bin D	0.970	9.70	2227.3	AC16 surf S	0.472	4.72	1081.9
	Rellenos	1.012	10.12	2211.4				

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 20
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2280.000	ZA	1.931	19.31	4445.2	ZA	1.730	17.30	3984.3
	AC22 bin D	0.970	9.70	2237.0	AC16 surf S	0.472	4.72	1086.6
	Rellenos	1.012	10.12	2221.5				
2290.000	ZA	1.931	19.31	4464.5	ZA	1.730	17.30	4001.6
	AC22 bin D	0.970	9.70	2246.7	AC16 surf S	0.471	4.72	1091.4
	Rellenos	1.012	10.12	2231.6				
2300.000	ZA	1.931	19.31	4483.8	ZA	1.730	17.30	4018.9
	AC22 bin D	0.970	9.70	2256.4	AC16 surf S	0.472	4.72	1096.1
	Rellenos	1.012	10.12	2241.7				
2310.000	ZA	1.930	19.31	4503.1	ZA	1.730	17.30	4036.2
	AC22 bin D	0.970	9.70	2266.1	AC16 surf S	0.472	4.72	1100.8
	Rellenos	1.012	10.12	2251.8				
2320.000	ZA	1.931	19.31	4522.4	ZA	1.730	17.30	4053.5
	AC22 bin D	0.970	9.70	2275.8	AC16 surf S	0.472	4.72	1105.5
	Rellenos	1.012	10.12	2262.0				
2330.000	ZA	1.931	19.31	4541.7	ZA	1.730	17.30	4070.8
	AC22 bin D	0.970	9.70	2285.5	AC16 surf S	0.472	4.72	1110.2
	Rellenos	1.012	10.12	2272.1				
2340.000	ZA	1.931	19.31	4561.0	ZA	1.730	17.30	4088.1
	AC22 bin D	0.970	9.70	2295.2	AC16 surf S	0.471	4.72	1115.0
	Rellenos	1.012	10.12	2282.2				
2350.000	ZA	1.931	19.31	4580.3	ZA	1.730	17.30	4105.4
	AC22 bin D	0.970	9.70	2304.9	AC16 surf S	0.472	4.72	1119.7
	Rellenos	1.012	10.12	2292.3				
2360.000	ZA	1.930	19.31	4599.7	ZA	1.730	17.30	4122.7
	AC22 bin D	0.970	9.70	2314.6	AC16 surf S	0.472	4.72	1124.4
	Rellenos	1.012	10.12	2302.4				
2370.000	ZA	1.931	19.31	4619.0	ZA	1.730	17.30	4140.0
	AC22 bin D	0.970	9.70	2324.3	AC16 surf S	0.472	4.72	1129.1
	Rellenos	1.012	10.12	2312.6				
2380.000	ZA	1.931	19.31	4638.3	ZA	1.730	17.30	4157.3
	AC22 bin D	0.970	9.70	2334.0	AC16 surf S	0.472	4.72	1133.8
	Rellenos	1.012	10.12	2322.7				
2390.000	ZA	1.931	19.31	4657.6	ZA	1.730	17.30	4174.6
	AC22 bin D	0.970	9.70	2343.7	AC16 surf S	0.471	4.72	1138.5
	Rellenos	1.012	10.12	2332.8				

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 21
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2400.000	ZA	1.931	19.31	4676.9	ZA	1.730	17.30	4191.9
	AC22 bin D	0.970	9.70	2353.4	AC16 surf S	0.472	4.72	1143.3
	Rellenos	1.012	10.12	2342.9				
2410.000	ZA	1.930	19.31	4696.2	ZA	1.730	17.30	4209.2
	AC22 bin D	0.970	9.70	2363.1	AC16 surf S	0.472	4.72	1148.0
	Rellenos	1.012	10.12	2353.0				
2420.000	ZA	1.931	19.31	4715.5	ZA	1.730	17.30	4226.5
	AC22 bin D	0.970	9.70	2372.8	AC16 surf S	0.472	4.72	1152.7
	Rellenos	1.012	10.12	2363.2				
2430.000	ZA	1.931	19.31	4734.8	ZA	1.730	17.30	4243.8
	AC22 bin D	0.970	9.70	2382.5	AC16 surf S	0.472	4.72	1157.4
	Rellenos	1.012	10.12	2373.3				
2440.000	ZA	1.931	19.31	4754.1	ZA	1.730	17.30	4261.1
	AC22 bin D	0.970	9.70	2392.2	AC16 surf S	0.471	4.72	1162.1
	Rellenos	1.012	10.12	2383.4				
2450.000	ZA	1.931	19.31	4773.4	ZA	1.730	17.30	4278.4
	AC22 bin D	0.970	9.70	2401.9	AC16 surf S	0.472	4.72	1166.9
	Rellenos	1.012	10.12	2393.5				
2460.000	ZA	1.930	19.31	4792.7	ZA	1.730	17.30	4295.7
	AC22 bin D	0.970	9.70	2411.6	AC16 surf S	0.472	4.72	1171.6
	Rellenos	1.012	10.12	2403.6				
2470.000	ZA	1.930	19.30	4812.0	ZA	1.730	17.30	4313.0
	AC22 bin D	0.970	9.70	2421.3	AC16 surf S	0.472	4.72	1176.3
	Rellenos	1.012	10.12	2413.8				
2480.000	ZA	1.930	19.30	4831.3	ZA	1.729	17.30	4330.3
	AC22 bin D	0.971	9.70	2431.0	AC16 surf S	0.472	4.72	1181.0
	Rellenos	1.012	10.12	2423.9				
2490.000	ZA	1.930	19.30	4850.6	ZA	1.729	17.29	4347.6
	AC22 bin D	0.971	9.71	2440.7	AC16 surf S	0.472	4.72	1185.7

2500.000	Rellenos	1.012	10.12	2434.0				
	ZA	1.931	19.31	4869.9	ZA	1.730	17.30	4364.9
	AC22 bin D	0.970	9.70	2450.4	AC16 surf S	0.472	4.72	1190.4
2510.000	Rellenos	1.012	10.12	2444.1				
	ZA	1.931	19.31	4889.2	ZA	1.730	17.30	4382.2
	AC22 bin D	0.970	9.70	2460.1	AC16 surf S	0.472	4.72	1195.2
	Rellenos	1.012	10.12	2454.2				

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 22
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2520.000	ZA	1.930	19.31	4908.6	ZA	1.729	17.30	4399.5
	AC22 bin D	0.971	9.70	2469.8	AC16 surf S	0.472	4.72	1199.9
	Rellenos	1.012	10.12	2464.3				
2530.000	ZA	1.930	19.30	4927.9	ZA	1.730	17.30	4416.8
	AC22 bin D	0.970	9.71	2479.5	AC16 surf S	0.472	4.72	1204.6
	Rellenos	1.012	10.12	2474.5				
2540.000	ZA	1.930	19.30	4947.2	ZA	1.730	17.30	4434.1
	AC22 bin D	0.970	9.70	2489.2	AC16 surf S	0.472	4.72	1209.3
	Rellenos	1.012	10.12	2484.6				
2550.000	ZA	1.930	19.30	4966.5	ZA	1.730	17.30	4451.4
	AC22 bin D	0.970	9.70	2498.9	AC16 surf S	0.472	4.72	1214.0
	Rellenos	1.012	10.12	2494.7				
2560.000	ZA	1.931	19.31	4985.8	ZA	1.730	17.30	4468.7
	AC22 bin D	0.970	9.70	2508.6	AC16 surf S	0.471	4.72	1218.7
	Rellenos	1.012	10.12	2504.8				
2570.000	ZA	1.931	19.31	5005.1	ZA	1.730	17.30	4485.9
	AC22 bin D	0.970	9.70	2518.3	AC16 surf S	0.471	4.71	1223.5
	Rellenos	1.012	10.12	2515.0				
2580.000	ZA	1.931	19.31	5024.4	ZA	1.729	17.30	4503.2
	AC22 bin D	0.970	9.70	2528.0	AC16 surf S	0.471	4.71	1228.2
	Rellenos	1.012	10.12	2525.1				
2590.000	ZA	1.930	19.31	5043.7	ZA	1.730	17.30	4520.5
	AC22 bin D	0.970	9.70	2537.7	AC16 surf S	0.472	4.72	1232.9
	Rellenos	1.012	10.12	2535.2				
2600.000	ZA	1.930	19.30	5063.0	ZA	1.729	17.30	4537.8
	AC22 bin D	0.971	9.70	2547.5	AC16 surf S	0.472	4.72	1237.6
	Rellenos	1.012	10.12	2545.3				
2610.000	ZA	1.931	19.31	5082.3	ZA	1.730	17.30	4555.1
	AC22 bin D	0.970	9.71	2557.2	AC16 surf S	0.471	4.72	1242.3
	Rellenos	1.012	10.12	2555.4				
2620.000	ZA	1.931	19.31	5101.6	ZA	1.730	17.30	4572.4
	AC22 bin D	0.970	9.70	2566.9	AC16 surf S	0.471	4.71	1247.0
	Rellenos	1.012	10.12	2565.6				
2630.000	ZA	1.931	19.31	5120.9	ZA	1.729	17.30	4589.7
	AC22 bin D	0.970	9.70	2576.6	AC16 surf S	0.471	4.71	1251.8
	Rellenos	1.012	10.12	2575.7				

Istram 18.05.05.29 17/01/19 18:49:57 1880 pagina 23
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2640.000	ZA	1.930	19.31	5140.2	ZA	1.730	17.30	4607.0
	AC22 bin D	0.970	9.70	2586.3	AC16 surf S	0.472	4.72	1256.5
	Rellenos	1.012	10.12	2585.8				
2650.000	ZA	1.930	19.30	5159.5	ZA	1.729	17.30	4624.3
	AC22 bin D	0.971	9.70	2596.0	AC16 surf S	0.472	4.72	1261.2
	Rellenos	1.006	10.09	2595.9				
2660.000	ZA	1.931	19.31	5178.8	ZA	1.730	17.30	4641.6
	AC22 bin D	0.970	9.71	2605.7	AC16 surf S	0.471	4.72	1265.9
	Rellenos	0.990	9.98	2605.9				
2670.000	ZA	1.931	19.31	5198.1	ZA	1.730	17.30	4658.9
	AC22 bin D	0.970	9.70	2615.4	AC16 surf S	0.471	4.71	1270.6
	Rellenos	0.981	9.86	2615.7				
2680.000	ZA	1.931	19.31	5217.5	ZA	1.729	17.30	4676.2
	AC22 bin D	0.970	9.70	2625.1	AC16 surf S	0.471	4.71	1275.3
	Rellenos	0.953	9.67	2625.4				
2690.000	ZA	1.930	19.31	5236.8	ZA	1.730	17.30	4693.5
	AC22 bin D	0.970	9.70	2634.8	AC16 surf S	0.472	4.72	1280.0
	Rellenos	0.912	9.32	2634.7				
2700.000	ZA	1.931	19.31	5256.1	ZA	1.729	17.30	4710.8
	AC22 bin D	0.970	9.70	2644.5	AC16 surf S	0.472	4.72	1284.8
	Rellenos	1.061	9.86	2644.6				
2710.000	ZA	1.930	19.31	5275.4	ZA	1.730	17.30	4728.1
	AC22 bin D	0.970	9.70	2654.2	AC16 surf S	0.472	4.72	1289.5
	Rellenos	1.057	10.59	2655.2				
2720.000	ZA	1.931	19.31	5294.7	ZA	1.730	17.30	4745.4
	AC22 bin D	0.970	9.70	2663.9	AC16 surf S	0.471	4.72	1294.2
	Rellenos	1.095	10.76	2665.9				
2730.000	ZA	1.931	19.31	5314.0	ZA	1.729	17.30	4762.7
	AC22 bin D	0.970	9.70	2673.6	AC16 surf S	0.471	4.71	1298.9
	Rellenos	0.927	10.11	2676.0				
2740.000	ZA	1.930	19.31	5333.3	ZA	1.730	17.30	4780.0
	AC22 bin D	0.970	9.70	2683.3	AC16 surf S	0.472	4.72	1303.6
	Rellenos	0.979	9.53	2685.6				

2750.000	ZA	1.930	19.30	5352.6	ZA	1.729	17.30	4797.3
	AC22 bin D	0.971	9.70	2693.0	AC16 surf S	0.472	4.72	1308.4
	Rellenos	1.007	9.93	2695.5				

* * * RESUMEN DE VOLUMENES TOTALES * * *

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 24

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2760.000	ZA	1.930	19.30	5371.9	ZA	1.729	17.29	4814.6		
	AC22 bin D	0.971	9.71	2702.7	AC16 surf S	0.472	4.72	1313.1		
	Rellenos	1.012	10.10	2705.6						
2770.000	ZA	1.931	19.31	5391.2	ZA	1.730	17.30	4831.9		
	AC22 bin D	0.970	9.70	2712.4	AC16 surf S	0.471	4.72	1317.8		
	Rellenos	1.012	10.12	2715.7						
2780.000	ZA	1.931	19.31	5410.5	ZA	1.729	17.29	4849.2		
	AC22 bin D	0.971	9.71	2722.1	AC16 surf S	0.471	4.71	1322.5		
	Rellenos	1.012	10.12	2725.9						
2790.000	ZA	1.931	19.31	5429.8	ZA	1.730	17.29	4866.5		
	AC22 bin D	0.970	9.71	2731.8	AC16 surf S	0.472	4.72	1327.2		
	Rellenos	1.012	10.12	2736.0						
2800.000	ZA	1.931	19.31	5449.1	ZA	1.730	17.30	4883.8		
	AC22 bin D	0.971	9.70	2741.5	AC16 surf S	0.472	4.72	1331.9		
	Rellenos	1.008	10.10	2746.1						
2810.000	ZA	1.930	19.30	5468.4	ZA	1.729	17.30	4901.1		
	AC22 bin D	0.970	9.70	2751.2	AC16 surf S	0.471	4.71	1336.7		
	Rellenos	0.974	9.91	2756.0						
2820.000	ZA	1.930	19.30	5487.7	ZA	1.729	17.29	4918.4		
	AC22 bin D	0.970	9.70	2760.9	AC16 surf S	0.470	4.71	1341.4		
	Rellenos	0.942	9.58	2765.6						
2830.000	ZA	1.930	19.30	5507.0	ZA	1.728	17.29	4935.6		
	AC22 bin D	0.971	9.70	2770.6	AC16 surf S	0.470	4.70	1346.1		
	Rellenos	0.937	9.39	2775.0						
2840.000	ZA	1.930	19.30	5526.3	ZA	1.729	17.29	4952.9		
	AC22 bin D	0.970	9.70	2780.3	AC16 surf S	0.471	4.70	1350.8		
	Rellenos	0.937	9.37	2784.3						
2850.000	ZA	1.930	19.30	5545.6	ZA	1.729	17.29	4970.2		
	AC22 bin D	0.970	9.70	2790.0	AC16 surf S	0.471	4.71	1355.5		
	Rellenos	0.937	9.37	2793.7						
2860.000	ZA	1.930	19.30	5564.9	ZA	1.729	17.29	4987.5		
	AC22 bin D	0.970	9.70	2799.7	AC16 surf S	0.471	4.71	1360.2		
	Rellenos	0.937	9.37	2803.1						
2870.000	ZA	1.930	19.30	5584.2	ZA	1.729	17.29	5004.8		
	AC22 bin D	0.970	9.70	2809.4	AC16 surf S	0.471	4.71	1364.9		
	Rellenos	0.937	9.37	2812.4						

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 25

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2880.000	ZA	1.930	19.30	5603.5	ZA	1.729	17.29	5022.1		
	AC22 bin D	0.970	9.70	2819.1	AC16 surf S	0.471	4.71	1369.6		
	Rellenos	0.937	9.36	2821.8						
2890.000	ZA	1.930	19.30	5622.8	ZA	1.729	17.29	5039.4		
	AC22 bin D	0.970	9.70	2828.8	AC16 surf S	0.471	4.71	1374.3		
	Rellenos	0.921	9.28	2831.1						
2900.000	ZA	1.930	19.30	5642.1	ZA	1.729	17.29	5056.7		
	AC22 bin D	0.970	9.70	2838.5	AC16 surf S	0.471	4.71	1379.0		
	Rellenos	0.878	8.99	2840.1						
2910.000	ZA	1.930	19.30	5661.4	ZA	1.729	17.29	5074.0		
	AC22 bin D	0.970	9.70	2848.2	AC16 surf S	0.471	4.71	1383.7		
	Rellenos	0.902	8.90	2849.0						
2920.000	ZA	1.930	19.30	5680.7	ZA	1.729	17.29	5091.3		
	AC22 bin D	0.970	9.70	2857.9	AC16 surf S	0.471	4.71	1388.4		
	Rellenos	0.936	9.19	2858.2						
2930.000	ZA	1.930	19.30	5700.0	ZA	1.729	17.29	5108.5		
	AC22 bin D	0.970	9.70	2867.6	AC16 surf S	0.471	4.71	1393.1		
	Rellenos	0.936	9.36	2867.5						
2940.000	ZA	1.930	19.30	5719.3	ZA	1.729	17.29	5125.8		
	AC22 bin D	0.970	9.70	2877.3	AC16 surf S	0.471	4.71	1397.9		
	Rellenos	0.936	9.36	2876.9						
2950.000	ZA	1.930	19.30	5738.6	ZA	1.729	17.29	5143.1		
	AC22 bin D	0.970	9.70	2887.0	AC16 surf S	0.471	4.71	1402.6		
	Rellenos	0.985	9.61	2886.5						
2960.000	ZA	1.930	19.30	5757.9	ZA	1.729	17.29	5160.4		
	AC22 bin D	0.970	9.70	2896.7	AC16 surf S	0.471	4.71	1407.3		
	Rellenos	0.987	9.86	2896.3						
2970.000	ZA	1.930	19.30	5777.2	ZA	1.729	17.29	5177.7		
	AC22 bin D	0.970	9.70	2906.4	AC16 surf S	0.470	4.71	1412.0		
	Rellenos	0.887	9.37	2905.7						
2978.516	ZA	1.930	16.44	5793.7	ZA	1.729	14.73	5192.4		
	AC22 bin D	0.970	8.26	2914.7	AC16 surf S	0.471	4.01	1416.0		
	Rellenos	0.870	7.48	2913.2						

Istram 18.05.05.29 17/01/19 18:49:57 1880
PROYECTO :
EJE: 53: V de servicio Dch. P.K. 103+800

pagina 26

MATERIAL	VOLUMEN
ZA	5793.7
ZA	5192.4
AC22 bin D	2914.7
AC16 surf S	1416.0
Rellenos	2913.2

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 1

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	1.929	0.00	0.0	ZA	1.729	0.00	0.0		
	AC22 bin D	0.970	0.00	0.0	AC16 surf S	0.470	0.00	0.0		
	Rellenos	0.990	0.00	0.0						
10.000	ZA	1.930	19.30	19.3	ZA	1.729	17.29	17.3		
	AC22 bin D	0.970	9.70	9.7	AC16 surf S	0.471	4.70	4.7		
	Rellenos	0.984	9.85	9.9						
20.000	ZA	1.930	19.30	38.6	ZA	1.728	17.28	34.6		
	AC22 bin D	0.971	9.70	19.4	AC16 surf S	0.470	4.70	9.4		
	Rellenos	0.834	9.08	18.9						
30.000	ZA	1.930	19.30	57.9	ZA	1.729	17.28	51.9		
	AC22 bin D	0.970	9.70	29.1	AC16 surf S	0.471	4.70	14.1		
	Rellenos	0.860	8.47	27.4						
40.000	ZA	1.930	19.30	77.2	ZA	1.729	17.29	69.1		
	AC22 bin D	0.970	9.70	38.8	AC16 surf S	0.471	4.71	18.8		
	Rellenos	0.913	8.86	36.3						
50.000	ZA	1.930	19.30	96.5	ZA	1.729	17.29	86.4		
	AC22 bin D	0.970	9.70	48.5	AC16 surf S	0.471	4.71	23.5		
	Rellenos	0.935	9.23	45.5						
60.000	ZA	1.930	19.30	115.8	ZA	1.729	17.29	103.7		
	AC22 bin D	0.970	9.70	58.2	AC16 surf S	0.471	4.71	28.2		
	Rellenos	0.936	9.35	54.9						
70.000	ZA	1.930	19.30	135.1	ZA	1.729	17.29	121.0		
	AC22 bin D	0.970	9.70	67.9	AC16 surf S	0.471	4.71	32.9		
	Rellenos	0.937	9.36	64.2						
80.000	ZA	1.930	19.30	154.4	ZA	1.729	17.29	138.3		
	AC22 bin D	0.970	9.70	77.6	AC16 surf S	0.471	4.71	37.6		
	Rellenos	0.936	9.36	73.6						
90.000	ZA	1.929	19.29	173.7	ZA	1.729	17.29	155.6		
	AC22 bin D	0.970	9.70	87.3	AC16 surf S	0.471	4.71	42.4		
	Rellenos	0.936	9.36	82.9						
100.000	ZA	1.930	19.30	193.0	ZA	1.729	17.29	172.9		
	AC22 bin D	0.970	9.70	97.0	AC16 surf S	0.471	4.71	47.1		
	Rellenos	0.934	9.35	92.3						
110.000	ZA	1.930	19.30	212.3	ZA	1.729	17.29	190.2		
	AC22 bin D	0.970	9.70	106.7	AC16 surf S	0.471	4.71	51.8		
	Rellenos	0.936	9.35	101.6						

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
***** cubicacion segun distancias compensadas *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
120.000	ZA	1.930	19.30	231.6	ZA	1.729	17.29	207.5	
	AC22 bin D	0.970	9.70	116.4	AC16 surf S	0.471	4.71	56.5	
	Rellenos	0.936	9.36	111.0					
130.000	ZA	1.930	19.30	250.9	ZA	1.729	17.29	224.7	
	AC22 bin D	0.970	9.70	126.1	AC16 surf S	0.471	4.71	61.2	
	Rellenos	0.937	9.36	120.4					
140.000	ZA	1.930	19.30	270.2	ZA	1.729	17.29	242.0	
	AC22 bin D	0.970	9.70	135.8	AC16 surf S	0.471	4.71	65.9	
	Rellenos	0.937	9.36	129.7					
150.000	ZA	1.930	19.30	289.5	ZA	1.729	17.29	259.3	
	AC22 bin D	0.970	9.70	145.5	AC16 surf S	0.471	4.71	70.6	
	Rellenos	0.937	9.37	139.1					
160.000	ZA	1.930	19.30	308.8	ZA	1.729	17.29	276.6	
	AC22 bin D	0.970	9.70	155.2	AC16 surf S	0.471	4.71	75.3	
	Rellenos	0.937	9.37	148.5					
170.000	ZA	1.930	19.30	328.1	ZA	1.729	17.29	293.9	
	AC22 bin D	0.970	9.70	164.9	AC16 surf S	0.471	4.71	80.0	
	Rellenos	0.937	9.37	157.8					
180.000	ZA	1.930	19.30	347.3	ZA	1.729	17.29	311.2	
	AC22 bin D	0.970	9.70	174.6	AC16 surf S	0.471	4.71	84.7	
	Rellenos	0.936	9.36	167.2					
190.000	ZA	1.930	19.30	366.6	ZA	1.729	17.29	328.5	
	AC22 bin D	0.970	9.70	184.3	AC16 surf S	0.471	4.71	89.4	
	Rellenos	0.936	9.36	176.6					
200.000	ZA	1.930	19.30	385.9	ZA	1.728	17.28	345.8	
	AC22 bin D	0.971	9.70	194.0	AC16 surf S	0.470	4.71	94.1	
	Rellenos	0.937	9.37	185.9					
210.000	ZA	1.930	19.30	405.2	ZA	1.729	17.28	363.0	
	AC22 bin D	0.970	9.70	203.7	AC16 surf S	0.471	4.70	98.8	
	Rellenos	0.919	9.28	195.2					

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PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
720.000	ZA	1.931		19.31	1389.7	ZA	1.730		17.30	1245.0
	AC22 bin D	0.970		9.70	698.5	AC16 surf S	0.472		4.72	339.3
	Rellenos	1.445		13.08	708.3					
730.000	ZA	1.931		19.31	1409.0	ZA	1.729		17.30	1262.3
	AC22 bin D	0.970		9.70	708.2	AC16 surf S	0.471		4.72	344.0
	Rellenos	1.431		14.38	722.7					
740.000	ZA	1.930		19.30	1428.3	ZA	1.730		17.30	1279.6
	AC22 bin D	0.970		9.70	717.9	AC16 surf S	0.472		4.72	348.7
	Rellenos	1.470		14.50	737.2					
750.000	ZA	1.931		19.30	1447.6	ZA	1.729		17.29	1296.9
	AC22 bin D	0.971		9.71	727.6	AC16 surf S	0.471		4.72	353.5
	Rellenos	1.448		14.59	751.7					
760.000	ZA	1.930		19.31	1466.9	ZA	1.730		17.29	1314.2
	AC22 bin D	0.970		9.71	737.4	AC16 surf S	0.472		4.71	358.2
	Rellenos	1.452		14.50	766.2					
770.000	ZA	1.930		19.30	1486.2	ZA	1.730		17.30	1331.4
	AC22 bin D	0.970		9.70	747.1	AC16 surf S	0.472		4.72	362.9
	Rellenos	1.404		14.28	780.5					
780.000	ZA	1.931		19.30	1505.5	ZA	1.729		17.29	1348.7
	AC22 bin D	0.971		9.70	756.8	AC16 surf S	0.472		4.72	367.6
	Rellenos	1.411		14.07	794.6					
790.000	ZA	1.931		19.31	1524.8	ZA	1.730		17.29	1366.0
	AC22 bin D	0.970		9.70	766.5	AC16 surf S	0.472		4.72	372.3
	Rellenos	1.414		14.12	808.7					
800.000	ZA	1.930		19.30	1544.1	ZA	1.730		17.30	1383.3
	AC22 bin D	0.970		9.70	776.2	AC16 surf S	0.472		4.72	377.0
	Rellenos	1.398		14.06	822.8					
810.000	ZA	1.930		19.30	1563.4	ZA	1.730		17.30	1400.6
	AC22 bin D	0.970		9.70	785.9	AC16 surf S	0.472		4.72	381.8
	Rellenos	1.408		14.03	836.8					
820.000	ZA	1.930		19.30	1582.7	ZA	1.730		17.30	1417.9
	AC22 bin D	0.970		9.70	795.6	AC16 surf S	0.472		4.72	386.5
	Rellenos	1.396		14.02	850.8					
830.000	ZA	1.931		19.30	1602.0	ZA	1.729		17.29	1435.2
	AC22 bin D	0.971		9.70	805.3	AC16 surf S	0.472		4.72	391.2
	Rellenos	1.388		13.92	864.7					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 8

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
840.000	ZA	1.931		19.31	1621.3	ZA	1.730		17.29	1452.5
	AC22 bin D	0.970		9.70	815.0	AC16 surf S	0.472		4.72	395.9
	Rellenos	0.943		11.66	876.4					
850.000	ZA	1.930		19.30	1640.7	ZA	1.730		17.30	1469.8
	AC22 bin D	0.970		9.70	824.7	AC16 surf S	0.472		4.72	400.6
	Rellenos	1.074		10.09	886.5					
860.000	ZA	1.930		19.30	1660.0	ZA	1.730		17.30	1487.1
	AC22 bin D	0.970		9.70	834.4	AC16 surf S	0.472		4.72	405.4
	Rellenos	0.992		10.33	896.8					
870.000	ZA	1.930		19.30	1679.3	ZA	1.730		17.30	1504.4
	AC22 bin D	0.970		9.70	844.1	AC16 surf S	0.472		4.72	410.1
	Rellenos	1.012		10.02	906.8					
880.000	ZA	1.931		19.30	1698.6	ZA	1.729		17.29	1521.7
	AC22 bin D	0.971		9.70	853.8	AC16 surf S	0.472		4.72	414.8
	Rellenos	1.012		10.12	917.0					
890.000	ZA	1.930		19.31	1717.9	ZA	1.730		17.29	1539.0
	AC22 bin D	0.970		9.70	863.5	AC16 surf S	0.472		4.72	419.5
	Rellenos	1.012		10.12	927.1					
900.000	ZA	1.930		19.30	1737.2	ZA	1.730		17.30	1556.3
	AC22 bin D	0.970		9.70	873.2	AC16 surf S	0.472		4.72	424.2
	Rellenos	1.012		10.12	937.2					
910.000	ZA	1.930		19.30	1756.5	ZA	1.730		17.30	1573.6
	AC22 bin D	0.970		9.70	882.9	AC16 surf S	0.472		4.72	429.0
	Rellenos	1.012		10.12	947.3					
920.000	ZA	1.930		19.30	1775.8	ZA	1.730		17.30	1590.9
	AC22 bin D	0.970		9.70	892.6	AC16 surf S	0.472		4.72	433.7
	Rellenos	1.012		10.12	957.4					
930.000	ZA	1.930		19.30	1795.1	ZA	1.730		17.30	1608.2
	AC22 bin D	0.970		9.70	902.3	AC16 surf S	0.472		4.72	438.4
	Rellenos	1.012		10.12	967.6					
940.000	ZA	1.930		19.30	1814.4	ZA	1.730		17.30	1625.5
	AC22 bin D	0.970		9.70	912.0	AC16 surf S	0.472		4.72	443.1
	Rellenos	1.012		10.12	977.7					
950.000	ZA	1.930		19.30	1833.7	ZA	1.730		17.30	1642.8
	AC22 bin D	0.970		9.70	921.7	AC16 surf S	0.472		4.72	447.8
	Rellenos	1.012		10.12	987.8					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 9

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

CAPAS DE FIRME										
* * * cubicacion segun distancias compensadas * * *										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
960.000	ZA	1.930		19.30	1853.0	ZA	1.730		17.30	1660.1
	AC22 bin D	0.970		9.70	931.4	AC16 surf S	0.472		4.72	452.5
	Rellenos	1.012		10.12	997.9					
970.000	ZA	1.931		19.30	1872.3	ZA	1.730		17.30	1677.4
	AC22 bin D	0.970		9.70	941.1	AC16 surf S	0.472		4.72	457.3
	Rellenos	1.000		10.06	1008.0					
980.000	ZA	1.930		19.30	1891.6	ZA	1.729		17.29	1694.7
	AC22 bin D	0.971		9.70	950.8	AC16 surf S	0.472		4.72	462.0
	Rellenos	0.937		9.68	1017.7					
990.000	ZA	1.931		19.30	1910.9	ZA	1.729		17.29	1711.9
	AC22 bin D	0.971		9.71	960.5	AC16 surf S	0.472		4.72	466.7
	Rellenos	1.012		9.74	1027.4					
1000.000	ZA	1.930		19.30	1930.2	ZA	1.729		17.29	1729.2
	AC22 bin D	0.971		9.71	970.2	AC16 surf S	0.472		4.72	471.4
	Rellenos	1.048		10.30	1037.7					
1010.000	ZA	1.930		19.30	1949.5	ZA	1.730		17.30	1746.5
	AC22 bin D	0.970		9.70	979.9	AC16 surf S	0.472		4.72	476.1
	Rellenos	1.177		11.12	1048.8					
1020.000	ZA	1.931		19.30	1968.8	ZA	1.730		17.30	1763.8
	AC22 bin D	0.970		9.70	989.6	AC16 surf S	0.472		4.72	480.9
	Rellenos	1.445		13.11	1061.9					
1030.000	ZA	1.930		19.30	1988.1	ZA	1.729		17.29	1781.1
	AC22 bin D	0.971		9.70	999.3	AC16 surf S	0.472		4.72	485.6
	Rellenos	1.445		14.44	1076.4					
1040.000	ZA	1.931		19.30	2007.4	ZA	1.729		17.29	1798.4
	AC22 bin D	0.971		9.71	1009.0	AC16 surf S	0.472		4.72	490.3
	Rellenos	1.877		16.61	1093.0					
1050.000	ZA	1.930		19.30	2026.7	ZA	1.729		17.29	1815.7
	AC22 bin D	0.971		9.71	1018.7	AC16 surf S	0.472		4.72	495.0
	Rellenos	1.059		14.68	1107.7					
1060.000	ZA	1.930		19.30	2046.0	ZA	1.730		17.30	1833.0
	AC22 bin D	0.970		9.70	1028.4	AC16 surf S	0.472		4.72	499.7
	Rellenos	0.942		10.00	1117.7					
1070.000	ZA	1.931		19.30	2065.3	ZA	1.730		17.30	1850.3
	AC22 bin D	0.970		9.70	1038.1	AC16 surf S	0.472		4.72	504.4
	Rellenos	1.034		9.88	1127.5					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 10

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1080.000	ZA	1.930		19.30	2084.6	ZA	1.729		17.29	1867.6
	AC22 bin D	0.971		9.70	1047.8	AC16 surf S	0.472		4.72	509.2
	Rellenos	0.972		10.03	1137.6					
1090.000	ZA	1.931		19.30	2103.9	ZA	1.729		17.29	1884.9
	AC22 bin D	0.971		9.71	1057.6	AC16 surf S	0.472		4.72	513.9
	Rellenos	0.988		9.80	1147.4					
1100.000	ZA	1.930		19.30	2123.2	ZA	1.729		17.29	1902.2
	AC22 bin D	0.971		9.71	1067.3	AC16 surf S	0.472		4.72	518.6
	Rellenos	1.506		12.47	1159.8					
1110.000	ZA	1.930		19.30	2142.5	ZA	1.730		17.30	1919.5
	AC22 bin D	0.970		9.70	1077.0	AC16 surf S	0.472		4.72	523.3
	Rellenos	1.877		16.92	1176.7					
1120.000	ZA	1.931		19.30	2161.9	ZA	1.730		17.30	1936.8
	AC22 bin D	0.970		9.70	1086.7	AC16 surf S	0.472		4.72	528.0
	Rellenos	1.878		18.77	1195.5					
1130.000	ZA	1.930		19.30	2181.2	ZA	1.729		17.29	1954.1
	AC22 bin D	0.971		9.70	1096.4	AC16 surf S	0.472		4.72	532.8
	Rellenos	1.012		14.45	1210.0					
1140.000	ZA	1.931		19.30	2200.5	ZA	1.729		17.29	1971.3
	AC22 bin D	0.971		9.71	1106.1	AC16 surf S	0.472		4.72	537.5
	Rellenos	1.012		10.12	1220.1					
1150.000	ZA	1.930		19.30	2219.8	ZA	1.729		17.29	1988.6
	AC22 bin D	0.971		9.71	1115.8	AC16 surf S	0.472		4.72	542.2
	Rellenos	1.012		10.12	1230.2					
1160.000	ZA	1.930		19.30	2239.1	ZA	1.730		17.30	2005.9
	AC22 bin D	0.970		9.70	1125.5	AC16 surf S	0.472		4.72	546.9
	Rellenos	1.012		10.12	1240.3					
1170.000	ZA	1.931		19.30	2258.4	ZA	1.730		17.30	2023.2
	AC22 bin D	0.970		9.70	1135.2	AC16 surf S	0.472		4.72	551.6
	Rellenos	1.012		10.12	1250.4					
1180.000	ZA	1.930		19.30	2277.7	ZA	1.729		17.29	2040.5
	AC22 bin D	0.971		9.70	1144.9	AC16 surf S	0.472		4.72	556.3
	Rellenos	1.012		10.12	1260.6					
1190.000	ZA	1.931		19.30	2297.0	ZA	1.729		17.29	2057.8
	AC22 bin D	0.971		9.71	1154.6	AC16 surf S	0.472		4.72	561.1
	Rellenos	1.012		10.12	1270.7					

1200.000	ZA	1.930	19.30	2316.3	ZA	1.729	17.29	2075.1
	AC22 bin D	0.971	9.71	1164.3	AC16 surf S	0.472	4.72	565.8
	Rellenos	0.980	9.96	1280.6				
1210.000	ZA	1.930	19.30	2335.6	ZA	1.730	17.30	2092.4
	AC22 bin D	0.970	9.70	1174.0	AC16 surf S	0.472	4.72	570.5
	Rellenos	0.932	9.56	1290.2				
1220.000	ZA	1.931	19.30	2354.9	ZA	1.730	17.30	2109.7
	AC22 bin D	0.970	9.70	1183.7	AC16 surf S	0.472	4.72	575.2
	Rellenos	0.984	9.58	1299.8				
1230.000	ZA	1.930	19.30	2374.2	ZA	1.729	17.29	2127.0
	AC22 bin D	0.971	9.70	1193.4	AC16 surf S	0.472	4.72	579.9
	Rellenos	1.059	10.22	1310.0				
1240.000	ZA	1.931	19.30	2393.5	ZA	1.729	17.29	2144.3
	AC22 bin D	0.971	9.71	1203.1	AC16 surf S	0.472	4.72	584.7
	Rellenos	1.211	11.35	1321.3				
1250.000	ZA	1.930	19.30	2412.8	ZA	1.729	17.29	2161.6
	AC22 bin D	0.971	9.71	1212.8	AC16 surf S	0.472	4.72	589.4
	Rellenos	1.445	13.28	1334.6				
1260.000	ZA	1.931	19.31	2432.1	ZA	1.730	17.30	2178.9
	AC22 bin D	0.970	9.70	1222.5	AC16 surf S	0.471	4.71	594.1
	Rellenos	1.444	14.45	1349.1				
1270.000	ZA	1.931	19.31	2451.4	ZA	1.729	17.29	2196.2
	AC22 bin D	0.971	9.71	1232.2	AC16 surf S	0.471	4.71	598.8
	Rellenos	1.437	14.41	1363.5				
1280.000	ZA	1.930	19.31	2470.7	ZA	1.729	17.29	2213.4
	AC22 bin D	0.971	9.71	1242.0	AC16 surf S	0.472	4.71	603.5
	Rellenos	1.434	14.36	1377.9				
1290.000	ZA	1.930	19.30	2490.0	ZA	1.729	17.29	2230.7
	AC22 bin D	0.971	9.71	1251.7	AC16 surf S	0.472	4.72	608.2
	Rellenos	1.427	14.31	1392.2				
1300.000	ZA	1.930	19.30	2509.3	ZA	1.730	17.30	2248.0
	AC22 bin D	0.970	9.70	1261.4	AC16 surf S	0.472	4.72	612.9
	Rellenos	1.436	14.32	1406.5				
1310.000	ZA	1.931	19.31	2528.6	ZA	1.730	17.30	2265.3
	AC22 bin D	0.970	9.70	1271.1	AC16 surf S	0.471	4.72	617.7
	Rellenos	1.429	14.33	1420.8				

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 12

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1320.000	ZA	1.930		19.31	2547.9	ZA	1.730		17.30	2282.6
	AC22 bin D	0.970		9.70	1280.8	AC16 surf S	0.472		4.72	622.4
	Rellenos	1.438		14.34	1435.1					
1330.000	ZA	1.930		19.30	2567.3	ZA	1.730		17.30	2299.9
	AC22 bin D	0.970		9.70	1290.5	AC16 surf S	0.472		4.72	627.1
	Rellenos	1.442		14.40	1449.5					
1340.000	ZA	1.930		19.30	2586.6	ZA	1.729		17.29	2317.2
	AC22 bin D	0.971		9.71	1300.2	AC16 surf S	0.471		4.72	631.8
	Rellenos	1.421		14.32	1463.9					
1350.000	ZA	1.931		19.31	2605.9	ZA	1.731		17.30	2334.5
	AC22 bin D	0.971		9.71	1309.9	AC16 surf S	0.472		4.71	636.5
	Rellenos	1.380		14.01	1477.9					
1360.000	ZA	1.946		19.39	2625.2	ZA	1.745		17.38	2351.9
	AC22 bin D	0.979		9.75	1319.6	AC16 surf S	0.475		4.73	641.3
	Rellenos	1.338		13.61	1491.5					
1370.000	ZA	1.961		19.54	2644.8	ZA	1.759		17.52	2369.4
	AC22 bin D	0.988		9.84	1329.5	AC16 surf S	0.479		4.77	646.0
	Rellenos	1.311		13.28	1504.8					
1380.000	ZA	1.976		19.69	2664.5	ZA	1.773		17.66	2387.1
	AC22 bin D	0.996		9.92	1339.4	AC16 surf S	0.484		4.82	650.9
	Rellenos	1.025		11.70	1516.5					
1390.000	ZA	1.991		19.84	2684.3	ZA	1.787		17.80	2404.9
	AC22 bin D	1.005		10.01	1349.4	AC16 surf S	0.487		4.85	655.7
	Rellenos	0.910		9.65	1526.1					
1400.000	ZA	2.007		19.99	2704.3	ZA	1.802		17.95	2422.8
	AC22 bin D	1.013		10.09	1359.5	AC16 surf S	0.491		4.89	660.6
	Rellenos	0.907		9.02	1535.1					
1410.000	ZA	2.011		20.09	2724.4	ZA	1.806		18.04	2440.9
	AC22 bin D	1.015		10.14	1369.6	AC16 surf S	0.493		4.92	665.5
	Rellenos	0.904		8.98	1544.1					
1420.000	ZA	2.011		20.11	2744.5	ZA	1.805		18.05	2458.9
	AC22 bin D	1.015		10.15	1379.8	AC16 surf S	0.493		4.93	670.4
	Rellenos	0.904		8.96	1553.1					
1430.000	ZA	2.011		20.11	2764.6	ZA	1.805		18.05	2477.0
	AC22 bin D	1.015		10.15	1389.9	AC16 surf S	0.492		4.92	675.4
	Rellenos	0.905		8.97	1562.1					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 13

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1440.000	ZA	2.010		20.10	2784.7	ZA	1.806		18.05	2495.0
	AC22 bin D	1.016		10.15	1400.1	AC16 surf S	0.492		4.92	680.3
	Rellenos	0.912		9.01	1571.1					

1450.000	ZA	2.010	20.10	2804.8	ZA	1.806	18.06	2513.1
	AC22 bin D	1.015	10.15	1410.2	AC16 surf S	0.493	4.93	685.2
	Rellenos	0.928	9.14	1580.2				
1460.000	ZA	2.010	20.10	2824.9	ZA	1.806	18.06	2531.1
	AC22 bin D	1.015	10.15	1420.4	AC16 surf S	0.492	4.93	690.1
	Rellenos	0.944	9.32	1589.5				
1470.000	ZA	2.011	20.11	2845.0	ZA	1.805	18.05	2549.2
	AC22 bin D	1.015	10.15	1430.5	AC16 surf S	0.493	4.93	695.1
	Rellenos	0.938	9.39	1598.9				
1480.000	ZA	2.010	20.11	2865.1	ZA	1.805	18.05	2567.2
	AC22 bin D	1.015	10.15	1440.7	AC16 surf S	0.493	4.93	700.0
	Rellenos	0.935	9.36	1608.3				
1490.000	ZA	2.011	20.11	2885.2	ZA	1.806	18.05	2585.3
	AC22 bin D	1.015	10.15	1450.8	AC16 surf S	0.493	4.93	704.9
	Rellenos	0.934	9.35	1617.6				
1500.000	ZA	2.011	20.11	2905.3	ZA	1.805	18.05	2603.3
	AC22 bin D	1.015	10.15	1461.0	AC16 surf S	0.493	4.93	709.9
	Rellenos	0.935	9.35	1627.0				
1510.000	ZA	2.011	20.11	2925.5	ZA	1.806	18.05	2621.4
	AC22 bin D	1.015	10.15	1471.2	AC16 surf S	0.493	4.93	714.8
	Rellenos	0.938	9.36	1636.3				
1520.000	ZA	2.011	20.11	2945.6	ZA	1.805	18.05	2639.5
	AC22 bin D	1.016	10.15	1481.3	AC16 surf S	0.492	4.93	719.7
	Rellenos	0.943	9.38	1645.7				
1530.000	ZA	2.011	20.11	2965.7	ZA	1.805	18.05	2657.5
	AC22 bin D	1.015	10.16	1491.5	AC16 surf S	0.493	4.92	724.7
	Rellenos	0.929	9.31	1655.0				
1540.000	ZA	2.011	20.11	2985.8	ZA	1.806	18.05	2675.6
	AC22 bin D	1.015	10.15	1501.6	AC16 surf S	0.492	4.92	729.6
	Rellenos	0.913	9.14	1664.2				
1550.000	ZA	2.011	20.11	3005.9	ZA	1.806	18.06	2693.6
	AC22 bin D	1.015	10.15	1511.8	AC16 surf S	0.492	4.92	734.5
	Rellenos	0.904	8.99	1673.2				

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1560.000	ZA	2.011		20.11	3026.0	ZA	1.806		18.06	2711.7
	AC22 bin D	1.015		10.15	1521.9	AC16 surf S	0.492		4.92	739.4
	Rellenos	0.904		8.95	1682.1					
1570.000	ZA	2.011		20.11	3046.1	ZA	1.805		18.05	2729.7
	AC22 bin D	1.015		10.15	1532.1	AC16 surf S	0.492		4.92	744.3
	Rellenos	0.904		8.94	1691.0					
1580.000	ZA	2.011		20.11	3066.2	ZA	1.806		18.05	2747.8
	AC22 bin D	1.016		10.15	1542.2	AC16 surf S	0.492		4.92	749.3
	Rellenos	0.904		8.94	1700.0					
1590.000	ZA	2.011		20.11	3086.3	ZA	1.805		18.05	2765.8
	AC22 bin D	1.015		10.15	1552.4	AC16 surf S	0.492		4.92	754.2
	Rellenos	0.904		8.94	1708.9					
1600.000	ZA	2.011		20.11	3106.4	ZA	1.805		18.05	2783.9
	AC22 bin D	1.015		10.15	1562.5	AC16 surf S	0.493		4.92	759.1
	Rellenos	0.904		8.94	1717.9					
1610.000	ZA	2.011		20.11	3126.5	ZA	1.806		18.05	2801.9
	AC22 bin D	1.016		10.15	1572.7	AC16 surf S	0.492		4.92	764.0
	Rellenos	0.904		8.94	1726.8					
1620.000	ZA	2.011		20.11	3146.7	ZA	1.805		18.05	2820.0
	AC22 bin D	1.015		10.15	1582.8	AC16 surf S	0.493		4.92	769.0
	Rellenos	0.904		8.94	1735.8					
1630.000	ZA	2.011		20.11	3166.8	ZA	1.805		18.05	2838.1
	AC22 bin D	1.015		10.15	1593.0	AC16 surf S	0.492		4.92	773.9
	Rellenos	0.904		8.94	1744.7					
1640.000	ZA	2.011		20.11	3186.9	ZA	1.806		18.05	2856.1
	AC22 bin D	1.015		10.15	1603.1	AC16 surf S	0.493		4.92	778.8
	Rellenos	0.910		8.98	1753.7					
1650.000	ZA	2.011		20.11	3207.0	ZA	1.805		18.05	2874.2
	AC22 bin D	1.015		10.15	1613.3	AC16 surf S	0.493		4.93	783.7
	Rellenos	0.926		9.11	1762.8					
1660.000	ZA	2.011		20.11	3227.1	ZA	1.806		18.06	2892.2
	AC22 bin D	1.015		10.15	1623.5	AC16 surf S	0.493		4.93	788.7
	Rellenos	0.943		9.29	1772.1					
1670.000	ZA	2.011		20.11	3247.2	ZA	1.805		18.05	2910.3
	AC22 bin D	1.016		10.15	1633.6	AC16 surf S	0.493		4.93	793.6
	Rellenos	0.939		9.38	1781.5					

1710.000	AC22 bin D	1.015	10.15	1664.1	AC16 surf S	0.494	4.94	808.4	1960.000	Rellenos	1.012	10.12	2050.6	ZA	1.730	17.29	3421.9
	Rellenos	0.935	9.34	1809.5						ZA	1.931	19.31	3817.8				
	ZA	2.011	20.11	3327.6	ZA	1.806	18.05	2982.5		AC22 bin D	0.970	9.71	1921.0				
1720.000	AC22 bin D	1.015	10.15	1674.2	AC16 surf S	0.493	4.93	813.3	1970.000	Rellenos	1.012	10.12	2060.8	ZA	1.729	17.30	3439.2
	Rellenos	0.937	9.36	1818.9						ZA	1.930	19.30	3837.1				
	ZA	2.011	20.11	3347.7	ZA	1.805	18.05	3000.5		AC22 bin D	0.971	9.70	1930.7				
1730.000	AC22 bin D	1.015	10.15	1684.4	AC16 surf S	0.493	4.93	818.3	1980.000	Rellenos	1.012	10.12	2070.9	ZA	1.729	17.29	3456.5
	Rellenos	0.942	9.38	1828.2						ZA	1.930	19.30	3856.4				
	ZA	2.011	20.11	3367.8	ZA	1.805	18.05	3018.6		AC22 bin D	0.971	9.71	1940.5				
1740.000	AC22 bin D	1.015	10.15	1694.5	AC16 surf S	0.493	4.93	823.2	1990.000	Rellenos	1.012	10.12	2081.0	ZA	1.730	17.30	3473.8
	Rellenos	0.931	9.33	1837.6						ZA	1.931	19.31	3875.7				
	ZA	2.011	20.11	3388.0	ZA	1.805	18.05	3036.6		AC22 bin D	0.970	9.70	1950.2				
1750.000	AC22 bin D	1.015	10.15	1704.7	AC16 surf S	0.493	4.93	828.1	2000.000	Rellenos	1.012	10.12	2091.1	ZA	1.730	17.30	3491.1
	Rellenos	0.914	9.17	1846.7						ZA	1.930	19.30	3895.0				
	ZA	2.011	20.11	3408.1	ZA	1.805	18.05	3054.7		AC22 bin D	0.970	9.70	1959.9				
1760.000	AC22 bin D	1.016	10.15	1714.8	AC16 surf S	0.492	4.93	833.1	2010.000	Rellenos	1.012	10.12	2101.2	ZA	1.730	17.30	3508.4
	Rellenos	0.904	9.02	1855.8						ZA	1.931	19.30	3914.3				
	ZA	2.011	20.11	3428.2	ZA	1.806	18.05	3072.7		AC22 bin D	0.970	9.70	1969.6				
1770.000	AC22 bin D	1.015	10.15	1725.0	AC16 surf S	0.492	4.92	838.0	2020.000	Rellenos	1.012	10.12	2111.4	ZA	1.729	17.29	3525.7
	Rellenos	0.904	8.96	1864.7						ZA	1.931	19.31	3933.6				
	ZA	2.011	20.11	3448.3	ZA	1.806	18.06	3090.8		AC22 bin D	0.971	9.70	1979.3				
1780.000	AC22 bin D	1.015	10.15	1735.1	AC16 surf S	0.492	4.92	842.9	2030.000	Rellenos	1.012	10.12	2121.5	ZA	1.730	17.29	3543.0
	Rellenos	0.904	8.97	1873.7						ZA	1.931	19.31	3952.9				
	ZA	2.006	20.08	3468.4	ZA	1.802	18.04	3108.8		AC22 bin D	0.970	9.71	1989.0				
1790.000	AC22 bin D	1.013	10.14	1745.3	AC16 surf S	0.491	4.92	847.8	Istram 18.05.05.29 17/01/19 18:49:59 1880	Rellenos	1.012	10.12	2131.6	ZA	1.730	17.29	3543.0
	Rellenos	0.909	8.99	1882.7													
	ZA	1.991	19.99	3488.4	ZA	1.787	17.95	3126.8									
	AC22 bin D	1.004	10.09	1755.4	AC16 surf S	0.488	4.90	852.7	PROYECTO :					EJE: 54: V	de servicio Dch. P.K. 106+800		pagina 18
	Rellenos	0.925	9.11	1891.8													

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 16

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
1800.000	ZA	1.976	19.84	3508.2	ZA	1.772	17.80	3144.6	
	AC22 bin D	0.997	10.01	1765.4	AC16 surf S	0.483	4.86	857.6	
	Rellenos	0.943	9.30	1901.1					
1810.000	ZA	1.961	19.69	3527.9	ZA	1.758	17.65	3162.2	
	AC22 bin D	0.987	9.92	1775.3	AC16 surf S	0.479	4.81	862.4	
	Rellenos	0.938	9.39	1910.5					
1820.000	ZA	1.945	19.53	3547.4	ZA	1.744	17.51	3179.7	
	AC22 bin D	0.979	9.83	1785.1	AC16 surf S	0.476	4.77	867.2	
	Rellenos	0.948	9.42	1919.9					
1830.000	ZA	1.930	19.38	3566.8	ZA	1.730	17.37	3197.1	
	AC22 bin D	0.971	9.75	1794.9	AC16 surf S	0.471	4.74	871.9	
	Rellenos	0.973	9.60	1929.5					
1840.000	ZA	1.931	19.30	3586.1	ZA	1.729	17.30	3214.4	
	AC22 bin D	0.970	9.70	1804.6	AC16 surf S	0.471	4.71	876.6	
	Rellenos	0.998	9.85	1939.4					
1850.000	ZA	1.931	19.31	3605.4	ZA	1.729	17.29	3231.7	
	AC22 bin D	0.971	9.70	1814.3	AC16 surf S	0.471	4.71	881.3	
	Rellenos	1.012	10.05	1949.4					
1860.000	ZA	1.931	19.31	3624.7	ZA	1.730	17.29	3249.0	
	AC22 bin D	0.970	9.71	1824.0	AC16 surf S	0.472	4.72	886.0	
	Rellenos	1.012	10.12	1959.5					
1870.000	ZA	1.930	19.30	3644.0	ZA	1.729	17.30	3266.3	
	AC22 bin D	0.971	9.70	1833.7	AC16 surf S	0.472	4.72	890.8	
	Rellenos	1.012	10.12	1969.7					
1880.000	ZA	1.930	19.30	3663.3	ZA	1.729	17.29	3283.6	
	AC22 bin D	0.971	9.71	1843.4	AC16 surf S	0.472	4.72	895.5	
	Rellenos	1.012	10.12	1979.8					
1890.000	ZA	1.931	19.31	3682.6	ZA	1.730	17.30	3300.9	
	AC22 bin D	0.970	9.70	1853.1	AC16 surf S	0.471	4.71	900.2	
	Rellenos	1.012	10.12	1989.9					
1900.000	ZA	1.931	19.31	3701.9	ZA	1.729	17.29	3318.2	
	AC22 bin D	0.971	9.70	1862.8	AC16 surf S	0.471	4.71	904.9	
	Rellenos	1.012	10.12	2000.0					
1910.000	ZA	1.931	19.31	3721.2	ZA	1.730	17.29	3335.5	
	AC22 bin D	0.970	9.71	1872.5	AC16 surf S	0.472	4.72	909.6	
	Rellenos	1.012	10.12	2010.2					

Istram 18.05.05.29 17/01/19 18:49:58 1880
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

pagina 17

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
1920.000	ZA	1.930	19.30	3740.5	ZA	1.729	17.30	3352.8	
	AC22 bin D	0.971	9.70	1882.2	AC16 surf S	0.472	4.72	914.3	
	Rellenos	1.012	10.12	2020.3					
1930.000	ZA	1.930	19.30	3759.8	ZA	1.729	17.29	3370.0	
	AC22 bin D	0.971	9.71	1891.9	AC16 surf S	0.472	4.72	919.1	
	Rellenos	1.012	10.12	2030.4					
1940.000	ZA	1.931	19.31	3779.1	ZA	1.730	17.30	3387.3	
	AC22 bin D	0.970	9.70	1901.6	AC16 surf S	0.471	4.71	923.8	
	Rellenos	1.012	10.12	2040.5					
1950.000	ZA	1.931	19.31	3798.5	ZA	1.729	17.29	3404.6	
	AC22 bin D	0.971	9.70	1911.3	AC16 surf S	0.471	4.71	928.5	

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2040.000	ZA	1.931		19.31	3972.2	ZA	1.730		17.30	3560.3
	AC22 bin D	0.970		9.70	1998.7	AC16 surf S	0.471		4.71	970.9
	Rellenos	1.012		10.12	2141.7					
2050.000	ZA	1.930		19.31	3991.5	ZA	1.729		17.30	3577.6
	AC22 bin D	0.971		9.70	2008.4	AC16 surf S	0.472		4.72	975.6
	Rellenos	1.012		10.12	2151.8					
2060.000	ZA	1.930		19.30	4010.8	ZA	1.730		17.30	3594.9
	AC22 bin D	0.970		9.70	2018.1	AC16 surf S	0.472		4.72	980.4
	Rellenos	1.012		10.12	2162.0					
2070.000	ZA	1.930		19.30	4030.1	ZA	1.729		17.30	3612.2
	AC22 bin D	0.971		9.70	2027.8	AC16 surf S	0.472		4.72	985.1
	Rellenos	1.012		10.12	2172.1					
2080.000	ZA	1.930		19.30	4049.4	ZA	1.730		17.30	3629.5
	AC22 bin D	0.970		9.70	2037.5	AC16 surf S	0.472		4.72	989.8
	Rellenos	1.012		10.12	2182.2					
2090.000	ZA	1.930		19.30	4068.7	ZA	1.729		17.30	3646.8
	AC22 bin D	0.971		9.70	2047.2	AC16 surf S	0.472		4.72	994.5
	Rellenos	1.012		10.12	2192.3					
2100.000	ZA	1.930		19.30	4088.0	ZA	1.730		17.30	3664.1
	AC22 bin D	0.970		9.70	2056.9	AC16 surf S	0.472		4.72	999.2
	Rellenos	1.012		10.12	2202.4					
2110.000	ZA	1.930		19.30	4107.3	ZA	1.729		17.30	3681.4
	AC22 bin D	0.971		9.70	2066.6	AC16 surf S	0.472		4.72	1004.0
	Rellenos	1.012		10.12	2212.6					
2120.000	ZA	1.930		19.30	4126.6	ZA	1.730		17.30	3698.7
	AC22 bin D	0.970		9.70	2076.3	AC16 surf S	0.472		4.72	1008.7
	Rellenos	1.012		10.12	2222.7					
2130.000	ZA	1.931		19.30	4145.9	ZA	1.729		17.30	3716.0
	AC22 bin D	0.970		9.70	2086.0	AC16 surf S	0.472		4.72	1013.4
	Rellenos	1.012		10.12	2232.8					
2140.000	ZA	1.930		19.30	4165.2	ZA	1.730		17.30	3733.3
	AC22 bin D	0.970		9.70	2095.7	AC16 surf S	0.472		4.72	1018.1
	Rellenos	1.012		10.12	2242.9					
2150.000	ZA	1.930		19.30	4184.6	ZA	1.730		17.30	3750.5
	AC22 bin D	0.970		9.70	2105.4	AC16 surf S	0.472		4.72	1022.8
	Rellenos	1.012		10.12	2253.0					

2210.000	ZA	1.931	19.31	4300.4	ZA	1.730	17.30	3854.3
	AC22 bin D	0.970	9.70	2163.6	AC16 surf S	0.471	4.72	1051.1
	Rellenos	1.012	10.12	2313.8				
2220.000	ZA	1.930	19.31	4319.7	ZA	1.729	17.30	3871.6
	AC22 bin D	0.971	9.70	2173.3	AC16 surf S	0.472	4.71	1055.9
	Rellenos	1.012	10.12	2323.9				
2230.000	ZA	1.931	19.31	4339.0	ZA	1.730	17.30	3888.9
	AC22 bin D	0.970	9.70	2183.0	AC16 surf S	0.471	4.71	1060.6
	Rellenos	1.012	10.12	2334.0				
2240.000	ZA	1.931	19.31	4358.3	ZA	1.730	17.30	3906.2
	AC22 bin D	0.970	9.70	2192.7	AC16 surf S	0.472	4.72	1065.3
	Rellenos	1.012	10.12	2344.1				
2250.000	ZA	1.931	19.31	4377.6	ZA	1.730	17.30	3923.5
	AC22 bin D	0.970	9.70	2202.4	AC16 surf S	0.472	4.72	1070.0
	Rellenos	1.012	10.12	2354.2				
2260.000	ZA	1.930	19.30	4396.9	ZA	1.729	17.30	3940.8
	AC22 bin D	0.971	9.70	2212.1	AC16 surf S	0.472	4.72	1074.7
	Rellenos	1.012	10.12	2364.4				
2270.000	ZA	1.931	19.31	4416.2	ZA	1.729	17.29	3958.1
	AC22 bin D	0.971	9.71	2221.9	AC16 surf S	0.471	4.72	1079.4
	Rellenos	1.012	10.12	2374.5				

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 20
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2280.000	ZA	1.930	19.31	4435.5	ZA	1.729	17.29	3975.4		
	AC22 bin D	0.971	9.71	2231.6	AC16 surf S	0.472	4.72	1084.2		
	Rellenos	1.012	10.12	2384.6						
2290.000	ZA	1.931	19.31	4454.8	ZA	1.730	17.30	3992.7		
	AC22 bin D	0.970	9.70	2241.3	AC16 surf S	0.471	4.71	1088.9		
	Rellenos	1.012	10.12	2394.7						
2300.000	ZA	1.931	19.31	4474.1	ZA	1.729	17.29	4010.0		
	AC22 bin D	0.971	9.70	2251.0	AC16 surf S	0.471	4.71	1093.6		
	Rellenos	1.012	10.12	2404.8						
2310.000	ZA	1.931	19.31	4493.4	ZA	1.730	17.29	4027.3		
	AC22 bin D	0.970	9.71	2260.7	AC16 surf S	0.472	4.72	1098.3		
	Rellenos	1.012	10.12	2415.0						
2320.000	ZA	1.930	19.30	4512.7	ZA	1.729	17.30	4044.6		
	AC22 bin D	0.971	9.70	2270.4	AC16 surf S	0.472	4.72	1103.0		
	Rellenos	1.012	10.12	2425.1						
2330.000	ZA	1.930	19.30	4532.0	ZA	1.729	17.29	4061.9		
	AC22 bin D	0.971	9.71	2280.1	AC16 surf S	0.472	4.72	1107.7		
	Rellenos	1.012	10.12	2435.2						
2340.000	ZA	1.931	19.31	4551.4	ZA	1.730	17.30	4079.2		
	AC22 bin D	0.970	9.70	2289.8	AC16 surf S	0.471	4.72	1112.5		
	Rellenos	1.012	10.12	2445.3						
2350.000	ZA	1.931	19.31	4570.7	ZA	1.729	17.29	4096.4		
	AC22 bin D	0.971	9.70	2299.5	AC16 surf S	0.471	4.71	1117.2		
	Rellenos	1.001	10.07	2455.4						
2360.000	ZA	1.930	19.30	4590.0	ZA	1.730	17.29	4113.7		
	AC22 bin D	0.970	9.71	2309.2	AC16 surf S	0.471	4.71	1121.9		
	Rellenos	0.980	9.91	2465.3						
2370.000	ZA	1.934	19.32	4609.3	ZA	1.733	17.31	4131.1		
	AC22 bin D	0.973	9.71	2318.9	AC16 surf S	0.471	4.71	1126.6		
	Rellenos	0.959	9.69	2475.0						
2380.000	ZA	1.939	19.37	4628.6	ZA	1.738	17.35	4148.4		
	AC22 bin D	0.976	9.74	2328.7	AC16 surf S	0.473	4.72	1131.3		
	Rellenos	0.939	9.49	2484.5						
2390.000	ZA	1.945	19.42	4648.1	ZA	1.743	17.40	4165.8		
	AC22 bin D	0.979	9.77	2338.4	AC16 surf S	0.475	4.74	1136.1		
	Rellenos	0.939	9.38	2493.9						

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 21
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2400.000	ZA	1.951	19.48	4667.6	ZA	1.748	17.46	4183.3		
	AC22 bin D	0.982	9.80	2348.2	AC16 surf S	0.476	4.76	1140.8		
	Rellenos	0.943	9.39	2503.3						
2410.000	ZA	1.956	19.53	4687.1	ZA	1.754	17.51	4200.8		
	AC22 bin D	0.985	9.83	2358.1	AC16 surf S	0.478	4.77	1145.6		
	Rellenos	0.928	9.32	2512.6						
2420.000	ZA	1.963	19.59	4706.7	ZA	1.759	17.57	4218.3		
	AC22 bin D	0.988	9.86	2367.9	AC16 surf S	0.479	4.78	1150.4		
	Rellenos	0.913	9.16	2521.7						
2430.000	ZA	1.968	19.65	4726.3	ZA	1.765	17.62	4236.0		
	AC22 bin D	0.991	9.90	2377.8	AC16 surf S	0.480	4.80	1155.2		
	Rellenos	0.904	9.03	2530.8						
2440.000	ZA	1.974	19.71	4746.0	ZA	1.770	17.67	4253.6		
	AC22 bin D	0.994	9.93	2387.8	AC16 surf S	0.482	4.81	1160.0		
	Rellenos	0.904	8.98	2539.7						
2450.000	ZA	1.979	19.77	4765.8	ZA	1.776	17.73	4271.4		
	AC22 bin D	0.998	9.96	2397.7	AC16 surf S	0.483	4.82	1164.8		
	Rellenos	0.904	8.98	2548.7						
2460.000	ZA	2.097	20.37	4786.2	ZA	1.886	18.29	4289.7		

2470.000	AC22 bin D	1.063	10.30	2408.0	AC16 surf S	0.516	4.99	1169.8
	Rellenos	0.923	9.07	2557.8				
	ZA	3.137	26.12	4812.3	ZA	2.868	23.73	4313.4
	AC22 bin D	1.642	13.50	2421.5	AC16 surf S	0.803	6.58	1176.4
	Rellenos	0.945	9.26	2567.0				
2474.177	ZA	4.135	15.19	4827.5	ZA	3.810	13.95	4327.3
	AC22 bin D	2.195	8.02	2429.5	AC16 surf S	1.083	3.94	1180.3
	Rellenos	0.940	3.91	2571.0				

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 22
PROYECTO :
EJE: 54: V de servicio Dch. P.K. 106+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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ZA	4827.5
ZA	4327.3
AC22 bin D	2429.5
AC16 surf S	1180.3
Rellenos	2571.0

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 1
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	4.346	0.00	0.0	ZA	3.860	0.00	0.0		
	AC22 bin D	2.223	0.00	0.0	AC16 surf S	1.098	0.00	0.0		
	Rellenos	1.151	0.00	0.0						
10.000	ZA	2.495	34.46	34.5	ZA	2.015	29.55	29.6		
	AC22 bin D	1.139	16.91	16.9	AC16 surf S	0.555	8.32	8.3		
	Rellenos	1.196	11.82	11.8						
20.000	ZA	2.095	23.02	57.5	ZA	1.698	18.58	48.1		
	AC22 bin D	0.952	10.46	27.4	AC16 surf S	0.461	5.08	13.4		
	Rellenos	1.160	11.81	23.6						
30.000	ZA	2.160	21.31	78.8	ZA	1.729	17.13	65.3		
	AC22 bin D	0.971	9.61	37.0	AC16 surf S	0.470	4.65	18.1		
	Rellenos	1.175	11.69	35.3						
40.000	ZA	2.160	21.64	100.4	ZA	1.728	17.28	82.5		
	AC22 bin D	0.971	9.71	46.7	AC16 surf S	0.470	4.70	22.7		
	Rellenos	1.175	11.77	47.1						
50.000	ZA	2.160	21.64	122.1	ZA	1.729	17.29	99.8		
	AC22 bin D	0.970	9.70	56.4	AC16 surf S	0.470	4.70	27.4		
	Rellenos	1.175	11.77	58.8						
60.000	ZA	2.160	21.64	143.7	ZA	1.729	17.29	117.1		
	AC22 bin D	0.970	9.70	66.1	AC16 surf S	0.470	4.70	32.2		
	Rellenos	1.175	11.77	70.6						
70.000	ZA	2.160	21.64	165.4	ZA	1.729	17.29	134.4		
	AC22 bin D	0.970	9.70	75.8	AC16 surf S	0.470	4.70	36.9		
	Rellenos	1.175	11.77	82.4						
80.000	ZA	2.160	21.64	187.0	ZA	1.729	17.29	151.7		
	AC22 bin D	0.971	9.70	85.5	AC16 surf S	0.470	4.70	41.6		
	Rellenos	1.175	11.77	94.2						
90.000	ZA	2.160	21.64	208.6	ZA	1.729	17.29	169.0		
	AC22 bin D	0.970	9.70	95.2	AC16 surf S	0.470	4.70	46.3		
	Rellenos	1.175	11.77	105.9						
100.000	ZA	2.157	21.63	230.3	ZA	1.729	17.29	186.3		
	AC22 bin D	0.970	9.70	104.9	AC16 surf S	0.470	4.70	50.9		
	Rellenos	1.174	11.76	117.7						
110.000	ZA	2.130	21.47	251.7	ZA	1.729	17.29	203.6		
	AC22 bin D	0.970	9.70	114.6	AC16 surf S	0.470	4.70	55.7		
	Rellenos	1.164	11.70	129.4						

Istram 18.05.05.29 17/01/19 18:49:59 1880 pagina 2
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	ZA	2.104		21.19	272.9	ZA	1.729		17.29	220.9
	AC22 bin D	0.970		9.70	124.3	AC16 surf S	0.470		4.70	60.4
	Rellenos	1.153		11.59	141.0					
130.000	ZA	2.091		20.99	293.9	ZA	1.729		17.29	238.1
	AC22 bin D	0.970		9.70	134.0	AC16 surf S	0.470		4.70	65.1
	Rellenos	1.150		11.52	152.5					
140.000	ZA	2.090		20.91	314.8	ZA	1.729		17.29	255.4
	AC22 bin D	0.971		9.70	143.7	AC16 surf S	0.470		4.70	69.8
	Rellenos	1.151		11.51	164.0					
150.000	ZA	2.065		20.78	335.6	ZA	1.729		17.29	272.7
	AC22 bin D	0.970		9.70	153.4	AC16 surf S	0.471		4.71	74.5
	Rellenos	1.143		11.47	175.5					
160.000	ZA	2.040		20.53	356.1	ZA	1.729		17.29	290.0
	AC22 bin D	0.970		9.70	163.1	AC16 surf S	0.472		4.71	79.2
	Rellenos	1.135		11.39	186.9					
170.000	ZA	2.016		20.28	376.4	ZA	1.729		17.29	307.3
	AC22 bin D	0.970		9.70	172.8	AC16 surf S	0.471		4.71	83.9
	Rellenos	1.127		11.31	198.2					

180.000	ZA	2.008	20.12	396.5	ZA	1.730	17.29	324.6
	AC22 bin D	0.970	9.70	182.5	AC16 surf S	0.471	4.71	88.6
	Rellenos	1.124	11.25	209.4				
190.000	ZA	2.008	20.08	416.6	ZA	1.730	17.30	341.9
	AC22 bin D	0.970	9.70	192.2	AC16 surf S	0.471	4.71	93.3
	Rellenos	1.124	11.24	220.7				
200.000	ZA	2.008	20.08	436.7	ZA	1.730	17.30	359.2
	AC22 bin D	0.970	9.70	201.9	AC16 surf S	0.472	4.71	98.0
	Rellenos	1.124	11.24	231.9				
210.000	ZA	2.008	20.08	456.8	ZA	1.730	17.30	376.5
	AC22 bin D	0.970	9.70	211.6	AC16 surf S	0.472	4.72	102.8
	Rellenos	1.123	11.23	243.1				
220.000	ZA	2.009	20.08	476.9	ZA	1.730	17.30	393.8
	AC22 bin D	0.970	9.70	221.3	AC16 surf S	0.471	4.72	107.5
	Rellenos	1.110	11.16	254.3				
230.000	ZA	2.008	20.08	496.9	ZA	1.730	17.30	411.1
	AC22 bin D	0.970	9.70	231.0	AC16 surf S	0.472	4.72	112.2
	Rellenos	1.097	11.03	265.3				

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
240.000	ZA	2.008	20.08	517.0	ZA	1.730	17.30	428.4	
	AC22 bin D	0.970	9.70	240.7	AC16 surf S	0.472	4.72	116.9	
	Rellenos	1.216	11.56	276.9					
250.000	ZA	2.008	20.08	537.1	ZA	1.730	17.30	445.7	
	AC22 bin D	0.970	9.70	250.4	AC16 surf S	0.471	4.72	121.6	
	Rellenos	1.209	12.13	289.0					
260.000	ZA	2.008	20.08	557.2	ZA	1.730	17.30	463.0	
	AC22 bin D	0.970	9.70	260.1	AC16 surf S	0.472	4.72	126.3	
	Rellenos	1.106	11.57	300.6					
270.000	ZA	2.008	20.08	577.3	ZA	1.729	17.29	480.3	
	AC22 bin D	0.971	9.70	269.8	AC16 surf S	0.472	4.72	131.1	
	Rellenos	1.109	11.07	311.7					
280.000	ZA	2.009	20.08	597.4	ZA	1.730	17.29	497.6	
	AC22 bin D	0.970	9.70	279.5	AC16 surf S	0.472	4.72	135.8	
	Rellenos	1.115	11.12	322.8					
290.000	ZA	2.008	20.08	617.4	ZA	1.729	17.29	514.9	
	AC22 bin D	0.971	9.70	289.2	AC16 surf S	0.471	4.72	140.5	
	Rellenos	1.120	11.18	334.0					
300.000	ZA	2.008	20.08	637.5	ZA	1.730	17.29	532.2	
	AC22 bin D	0.970	9.70	298.9	AC16 surf S	0.471	4.71	145.2	
	Rellenos	1.123	11.21	345.2					
310.000	ZA	2.008	20.08	657.6	ZA	1.730	17.30	549.5	
	AC22 bin D	0.970	9.70	308.6	AC16 surf S	0.472	4.72	149.9	
	Rellenos	1.123	11.23	356.4					
320.000	ZA	2.008	20.08	677.7	ZA	1.729	17.29	566.8	
	AC22 bin D	0.971	9.70	318.3	AC16 surf S	0.472	4.72	154.6	
	Rellenos	1.123	11.23	367.6					
330.000	ZA	2.009	20.08	697.8	ZA	1.730	17.29	584.0	
	AC22 bin D	0.970	9.70	328.1	AC16 surf S	0.472	4.72	159.4	
	Rellenos	1.123	11.23	378.9					
340.000	ZA	2.008	20.08	717.9	ZA	1.729	17.29	601.3	
	AC22 bin D	0.971	9.70	337.8	AC16 surf S	0.471	4.72	164.1	
	Rellenos	1.124	11.23	390.1					
350.000	ZA	2.008	20.08	737.9	ZA	1.730	17.29	618.6	
	AC22 bin D	0.970	9.70	347.5	AC16 surf S	0.471	4.71	168.8	
	Rellenos	1.124	11.24	401.3					

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
360.000	ZA	2.008	20.08	758.0	ZA	1.730	17.30	635.9	
	AC22 bin D	0.970	9.70	357.2	AC16 surf S	0.472	4.72	173.5	
	Rellenos	1.124	11.24	412.6					
370.000	ZA	2.008	20.08	778.1	ZA	1.729	17.29	653.2	
	AC22 bin D	0.971	9.70	366.9	AC16 surf S	0.472	4.72	178.2	
	Rellenos	1.124	11.24	423.8					
380.000	ZA	2.008	20.08	798.2	ZA	1.730	17.29	670.5	
	AC22 bin D	0.970	9.70	376.6	AC16 surf S	0.472	4.72	182.9	
	Rellenos	1.124	11.24	435.1					
390.000	ZA	2.009	20.08	818.3	ZA	1.730	17.30	687.8	
	AC22 bin D	0.970	9.70	386.3	AC16 surf S	0.472	4.72	187.7	
	Rellenos	1.124	11.24	446.3					
400.000	ZA	2.008	20.08	838.3	ZA	1.729	17.30	705.1	
	AC22 bin D	0.970	9.70	396.0	AC16 surf S	0.471	4.72	192.4	
	Rellenos	1.124	11.24	457.5					
410.000	ZA	2.008	20.08	858.4	ZA	1.730	17.30	722.4	
	AC22 bin D	0.970	9.70	405.7	AC16 surf S	0.472	4.71	197.1	
	Rellenos	1.124	11.24	468.8					
420.000	ZA	2.008	20.08	878.5	ZA	1.729	17.29	739.7	
	AC22 bin D	0.971	9.71	415.4	AC16 surf S	0.471	4.71	201.8	
	Rellenos	1.124	11.24	480.0					
430.000	ZA	2.009	20.08	898.6	ZA	1.730	17.29	757.0	

440.000	AC22 bin D	0.970	9.70	425.1	AC16 surf S	0.472	4.72	206.5
	Rellenos	1.124	11.24	491.3				
	ZA	2.008	20.08	918.7	ZA	1.729	17.29	774.3
	AC22 bin D	0.971	9.70	434.8	AC16 surf S	0.471	4.72	211.2
	Rellenos	1.124	11.24	502.5				
450.000	ZA	2.008	20.08	938.8	ZA	1.730	17.29	791.6
	AC22 bin D	0.970	9.70	444.5	AC16 surf S	0.472	4.72	216.0
	Rellenos	1.124	11.24	513.7				
460.000	ZA	2.008	20.08	958.8	ZA	1.730	17.30	808.9
	AC22 bin D	0.970	9.70	454.2	AC16 surf S	0.472	4.72	220.7
	Rellenos	1.124	11.24	525.0				
470.000	ZA	2.008	20.08	978.9	ZA	1.730	17.30	826.2
	AC22 bin D	0.970	9.70	463.9	AC16 surf S	0.472	4.72	225.4
	Rellenos	1.124	11.24	536.2				

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

pagina 5

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA
480.000	ZA	2.008	20.08	999.0	ZA	1.730	17.30	843.5	
	AC22 bin D	0.970	9.70	473.6	AC16 surf S	0.472	4.72	230.1	
	Rellenos	1.124	11.24	547.5					
490.000	ZA	2.008	20.08	1019.1	ZA	1.729	17.29	860.8	
	AC22 bin D	0.971	9.70	483.3	AC16 surf S	0.471	4.72	234.8	
	Rellenos	1.124	11.24	558.7					
500.000	ZA	2.008	20.08	1039.2	ZA	1.730	17.29	878.0	
	AC22 bin D	0.970	9.70	493.0	AC16 surf S	0.472	4.72	239.5	
	Rellenos	1.124	11.24	569.9					
510.000	ZA	2.008	20.08	1059.3	ZA	1.730	17.30	895.3	
	AC22 bin D	0.970	9.70	502.7	AC16 surf S	0.472	4.72	244.3	
	Rellenos	1.124	11.24	581.2					
520.000	ZA	2.008	20.08	1079.3	ZA	1.730	17.30	912.6	
	AC22 bin D	0.970	9.70	512.4	AC16 surf S	0.472	4.72	249.0	
	Rellenos	1.124	11.24	592.4					
530.000	ZA	2.008	20.08	1099.4	ZA	1.730	17.30	929.9	
	AC22 bin D	0.970	9.70	522.1	AC16 surf S	0.472	4.72	253.7	
	Rellenos	1.124	11.24	603.6					
540.000	ZA	2.008	20.08	1119.5	ZA	1.729	17.29	947.2	
	AC22 bin D	0.971	9.70	531.8	AC16 surf S	0.471	4.72	258.4	
	Rellenos	1.124	11.24	614.9					
550.000	ZA	2.008	20.08	1139.6	ZA	1.730	17.29	964.5	
	AC22 bin D	0.970	9.70	541.5	AC16 surf S	0.472	4.72	263.1	
	Rellenos	1.124	11.24	626.1					
560.000	ZA	2.008	20.08	1159.7	ZA	1.730	17.30	981.8	
	AC22 bin D	0.970	9.70	551.2	AC16 surf S	0.472	4.72	267.8	
	Rellenos	1.123	11.24	637.4					
570.000	ZA	2.008	20.08	1179.7	ZA	1.730	17.30	999.1	
	AC22 bin D	0.970	9.70	560.9	AC16 surf S	0.472	4.72	272.6	
	Rellenos	1.118	11.21	648.6					
580.000	ZA	2.008	20.08	1199.8	ZA	1.730	17.30	1016.4	
	AC22 bin D	0.970	9.70	570.6	AC16 surf S	0.472	4.72	277.3	
	Rellenos	1.097	11.07	659.6					
590.000	ZA	2.008	20.08	1219.9	ZA	1.729	17.29	1033.7	
	AC22 bin D	0.971	9.70	580.3	AC16 surf S	0.471	4.72	282.0	
	Rellenos	1.091	10.94	670.6					

Istram 18.05.05.29 17/01/19 18:49:59 1880
PROYECTO :
EJE: 55: V de servicio Dch. P.K. 108+500

pagina 6

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
600.000	ZA	2.008		20.08	1240.0	ZA	1.730		17.29	1051.0
	AC22 bin D	0.970		9.70	590.0	AC16 surf S	0.472		4.72	286.7
	Rellenos	1.153		11.22	681.8					
610.000	ZA	2.008		20.08	1260.1	ZA	1.730		17.30	1068.3
	AC22 bin D	0.970		9.70	599.7	AC16 surf S	0.472		4.72	291.4
	Rellenos	1.230		11.92	693.7					
620.000	ZA	2.008		20.08	1280.2	ZA	1.730		17.30	1085.6
	AC22 bin D	0.970		9.70	609.4	AC16 surf S	0.472		4.72	296.1
	Rellenos	1.580		14.05	707.8					
630.000	ZA	2.008		20.08	1300.2	ZA	1.730		17.30	1102.9
	AC22 bin D	0.970		9.70	619.1	AC16 surf S	0.472		4.72	300.9
	Rellenos	1.580		15.80	723.6					
640.000	ZA	2.008		20.08	1320.3	ZA	1.729		17.29	1120.2
	AC22 bin D	0.971		9.70	628.8	AC16 surf S	0.471		4.72	305.6
	Rellenos	1.580		15.80	739.4					
650.000	ZA	2.008		20.08	1340.4	ZA	1.730		17.29	1137.5
	AC22 bin D	0.970		9.70	638.5	AC16 surf S	0.472		4.72	310.3
	Rellenos	1.576		15.78	755.1					
660.000	ZA	2.008		20.08	1360.5	ZA	1.729		17.29	1154.8
	AC22 bin D	0.971		9.70	648.2	AC16 surf S	0.471		4.72	315.0
	Rellenos	1.572		15.74	770.9					
670.000	ZA	2.008		20.08	1380.6	ZA	1.730		17.29	1172.1
	AC22 bin D	0.970		9.70	657.9	AC16 surf S	0.472		4.72	319.7
	Rellenos	1.570		15.71	786.6					
680.000	ZA	2.008		20.08	1400.6	ZA	1.730		17.30	1189.4
	AC22 bin D	0.970		9.70	667.6	AC16 surf S	0.472		4.72	324.4

	AC22 bin D	0.970	9.70	1162.4	AC16 surf S	0.472	4.72	565.0
	Rellenos	1.207	12.19	1401.5				
Istram 18.05.05.29 17/01/19 18:49:59 1880								
PROYECTO :								
EJE: 55: V微 de servicio Dch. P.K. 108+500								
pagina 11								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1200.000	ZA	2.008		20.08	2444.9	ZA	1.730		17.30	2088.8
	AC22 bin D	0.970		9.70	1172.1	AC16 surf S	0.472		4.72	569.8
	Rellenos	1.091		11.49	1413.0					
1210.000	ZA	2.008		20.08	2465.0	ZA	1.730		17.30	2106.1
	AC22 bin D	0.970		9.70	1181.8	AC16 surf S	0.472		4.72	574.5
	Rellenos	1.115		11.03	1424.0					
1220.000	ZA	2.008		20.08	2485.1	ZA	1.730		17.30	2123.3
	AC22 bin D	0.970		9.70	1191.5	AC16 surf S	0.472		4.72	579.2
	Rellenos	1.124		11.20	1435.2					
1230.000	ZA	2.008		20.08	2505.1	ZA	1.730		17.30	2140.6
	AC22 bin D	0.970		9.70	1201.2	AC16 surf S	0.472		4.72	583.9
	Rellenos	1.124		11.24	1446.5					
1240.000	ZA	2.008		20.08	2525.2	ZA	1.730		17.30	2157.9
	AC22 bin D	0.970		9.70	1210.9	AC16 surf S	0.472		4.72	588.6
	Rellenos	1.124		11.24	1457.7					
1250.000	ZA	2.008		20.08	2545.3	ZA	1.730		17.30	2175.2
	AC22 bin D	0.970		9.70	1220.6	AC16 surf S	0.472		4.72	593.3
	Rellenos	1.124		11.24	1468.9					
1260.000	ZA	2.008		20.08	2565.4	ZA	1.730		17.30	2192.5
	AC22 bin D	0.970		9.70	1230.3	AC16 surf S	0.472		4.72	598.1
	Rellenos	1.124		11.24	1480.2					
1270.000	ZA	2.009		20.08	2585.5	ZA	1.730		17.30	2209.8
	AC22 bin D	0.970		9.70	1240.0	AC16 surf S	0.471		4.72	602.8
	Rellenos	1.124		11.24	1491.4					
1280.000	ZA	2.008		20.08	2605.6	ZA	1.730		17.30	2227.1
	AC22 bin D	0.970		9.70	1249.7	AC16 surf S	0.472		4.72	607.5
	Rellenos	1.124		11.24	1502.6					
1290.000	ZA	2.012		20.10	2625.7	ZA	1.729		17.30	2244.4
	AC22 bin D	0.971		9.70	1259.4	AC16 surf S	0.472		4.72	612.2
	Rellenos	1.125		11.25	1513.9					
1300.000	ZA	2.039		20.26	2645.9	ZA	1.729		17.29	2261.7
	AC22 bin D	0.971		9.71	1269.1	AC16 surf S	0.471		4.71	616.9
	Rellenos	1.135		11.30	1525.2					
1310.000	ZA	2.076		20.58	2666.5	ZA	1.738		17.33	2279.1
	AC22 bin D	0.975		9.73	1278.9	AC16 surf S	0.474		4.72	621.6
	Rellenos	1.144		11.39	1536.6					

Istram 18.05.05.29 17/01/19 18:49:59 1880								
PROYECTO :								
EJE: 55: V微 de servicio Dch. P.K. 108+500								
pagina 12								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1320.000	ZA	2.111		20.94	2687.4	ZA	1.750		17.44	2296.5
	AC22 bin D	0.982		9.79	1288.7	AC16 surf S	0.477		4.75	626.4
	Rellenos	1.151		11.48	1548.1					
1330.000	ZA	2.128		21.21	2708.7	ZA	1.762		17.56	2314.0
	AC22 bin D	0.989		9.86	1298.5	AC16 surf S	0.481		4.79	631.2
	Rellenos	1.149		11.51	1559.6					
1340.000	ZA	2.166		21.50	2730.2	ZA	1.774		17.68	2331.7
	AC22 bin D	0.998		9.93	1308.4	AC16 surf S	0.483		4.82	636.0
	Rellenos	1.159		11.55	1571.1					
1350.000	ZA	2.209		21.93	2752.1	ZA	1.786		17.80	2349.5
	AC22 bin D	1.004		10.01	1318.5	AC16 surf S	0.487		4.85	640.9
	Rellenos	1.159		11.61	1582.7					
1360.000	ZA	2.226		22.24	2774.3	ZA	1.791		17.89	2367.4
	AC22 bin D	1.007		10.06	1328.5	AC16 surf S	0.488		4.88	645.7
	Rellenos	1.141		11.54	1594.3					
1370.000	ZA	2.225		22.33	2796.7	ZA	1.791		17.91	2385.3
	AC22 bin D	1.007		10.07	1338.6	AC16 surf S	0.488		4.88	650.6
	Rellenos	1.189		11.68	1606.0					
1380.000	ZA	2.226		22.33	2819.0	ZA	1.791		17.91	2403.2
	AC22 bin D	1.007		10.07	1348.6	AC16 surf S	0.488		4.88	655.5
	Rellenos	1.229		12.10	1618.1					
1390.000	ZA	2.226		22.33	2841.3	ZA	1.791		17.91	2421.2
	AC22 bin D	1.007		10.07	1358.7	AC16 surf S	0.488		4.88	660.4
	Rellenos	1.300		12.63	1630.7					
1400.000	ZA	2.226		22.33	2863.6	ZA	1.791		17.91	2439.1
	AC22 bin D	1.007		10.07	1368.8	AC16 surf S	0.488		4.88	665.3
	Rellenos	1.175		12.38	1643.1					
1410.000	ZA	2.226		22.33	2886.0	ZA	1.791		17.91	2457.0
	AC22 bin D	1.007		10.07	1378.8	AC16 surf S	0.488		4.88	670.1
	Rellenos	1.175		11.78	1654.8					
1420.000	ZA	2.225		22.33	2908.3	ZA	1.791		17.91	2474.9
	AC22 bin D	1.007		10.07	1388.9	AC16 surf S	0.488		4.88	675.0
	Rellenos	1.176		11.78	1666.6					
1430.000	ZA	2.226		22.33	2930.6	ZA	1.791		17.91	2492.8
	AC22 bin D	1.007		10.07	1399.0	AC16 surf S	0.488		4.88	679.9
	Rellenos	1.174		11.78	1678.4					

Istram 18.05.05.29 17/01/19 18:49:59 1880								
pagina 13								

PROYECTO :								
EJE: 55: V微 de servicio Dch. P.K. 108+500								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * CAPAS DE FIRME								
* * * cubicacion segun distancias compensadas * * *								

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1440.000	ZA	2.226		22.33	2953.0	ZA	1.791		17.91	2510.7
	AC22 bin D	1.007		10.07	1409.0	AC16 surf S	0.488		4.88	684.8
	Rellenos	1.175		11.77	1690.2					
1450.000	ZA	2.226		22.33	2975.3	ZA	1.791		17.91	2528.6
	AC22 bin D	1.007		10.07	1419.1	AC16 surf S	0.488		4.88	689.7
	Rellenos	1.263		12.20	1702.4					
1460.000	ZA	2.226		22.33	2997.6	ZA	1.791		17.91	2546.5
	AC22 bin D	1.007		10.07	1429.2	AC16 surf S	0.488		4.88	694.6
	Rellenos	1.208		12.36	1714.7					
1470.000	ZA	2.226		22.33	3020.0	ZA	1.791		17.91	2564.4
	AC22 bin D	1.007		10.07	1439.3	AC16 surf S	0.488		4.88	699.4
	Rellenos	1.175		11.94	1726.7					
1480.000	ZA	2.183		22.10	3042.1	ZA	1.779		17.85	2582.3
	AC22 bin D	1.000		10.03	1449.3	AC16 surf S	0.485		4.87	704.3
	Rellenos	1.164		11.72	1738.4					
1490.000	ZA	2.139		21.65	3063.7	ZA	1.767		17.73	2600.0
	AC22 bin D	0.992		9.96	1459.2	AC16 surf S	0.482		4.84	709.1
	Rellenos	1.152		11.59	1750.0					
1500.000	ZA	2.118		21.31	3085.0	ZA	1.755		17.61	2617.6
	AC22 bin D	0.985		9.89	1469.1	AC16 surf S	0.478		4.80	713.9
	Rellenos	1.150		11.52	1761.5					
1510.000	ZA	2.093		21.07	3106.1	ZA	1.743		17.49	2635.1
	AC22 bin D	0.978		9.82	1479.0	AC16 surf S	0.475		4.76	718.7
	Rellenos	1.148		11.49	1773.0					
1520.000	ZA	2.051		20.73	3126.8	ZA	1.731		17.37	2652.5
	AC22 bin D	0.971		9.74	1488.7	AC16 surf S	0.472		4.73	723.4
	Rellenos	1.139		11.44	1784.4					
1530.000	ZA	2.023		20.37	3147.2	ZA	1.729		17.30	2669.8
	AC22 bin D	0.970		9.70	1498.4	AC16 surf S	0.471		4.71	728.1
	Rellenos	1.129		11.34	1795.8					
1539.102	ZA	2.008		18.34	3165.5	ZA	1.730		15.74	2685.5
	AC22 bin D	0.970		8.83	1507.2	AC16 surf S	0.472		4.29	732.4
	Rellenos	1.124		10.25	1806.0					

	AC22 bin D	0.817	8.17	91.3	AC22 surf S	0.472	4.72	53.0
	Rellenos	1.150	11.47	115.6				
110.000	ZA	1.968	19.70	234.6	ZA	1.734	17.34	210.1
	AC22 bin D	0.817	8.17	99.5	AC22 surf S	0.472	4.72	57.8
	Rellenos	1.150	11.47	127.1				

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
120.000	ZA	1.968	19.70	254.3		ZA	1.734	17.34 227.4
	AC22 bin D	0.817	8.17	107.7	AC22 surf S	0.472	4.72	62.5
	Rellenos	1.149	11.47	138.6				
130.000	ZA	1.967	19.70	274.0	ZA	1.734	17.34	244.8
	AC22 bin D	0.817	8.17	115.8	AC22 surf S	0.472	4.72	67.2
	Rellenos	1.106	11.26	149.8				
140.000	ZA	1.958	19.64	293.6	ZA	1.735	17.35	262.1
	AC22 bin D	0.817	8.17	124.0	AC22 surf S	0.472	4.72	71.9
	Rellenos	1.079	10.92	160.8				
150.000	ZA	1.949	19.55	313.2	ZA	1.734	17.34	279.5
	AC22 bin D	0.817	8.17	132.2	AC22 surf S	0.473	4.72	76.6
	Rellenos	1.046	10.63	171.4				
160.000	ZA	1.947	19.49	332.6	ZA	1.734	17.34	296.8
	AC22 bin D	0.817	8.17	140.3	AC22 surf S	0.473	4.73	81.4
	Rellenos	1.003	10.25	181.6				
170.000	ZA	1.946	19.47	352.1	ZA	1.734	17.34	314.1
	AC22 bin D	0.817	8.17	148.5	AC22 surf S	0.473	4.73	86.1
	Rellenos	0.997	10.00	191.6				
180.000	ZA	1.946	19.46	371.6	ZA	1.734	17.34	331.5
	AC22 bin D	0.817	8.17	156.7	AC22 surf S	0.473	4.73	90.8
	Rellenos	1.046	10.21	201.9				
190.000	ZA	1.945	19.45	391.0	ZA	1.735	17.34	348.8
	AC22 bin D	0.816	8.16	164.8	AC22 surf S	0.473	4.73	95.6
	Rellenos	1.096	10.71	212.6				
200.000	ZA	1.945	19.46	410.5	ZA	1.735	17.35	366.2
	AC22 bin D	0.817	8.17	173.0	AC22 surf S	0.473	4.73	100.3
	Rellenos	1.119	11.08	223.6				
210.000	ZA	1.947	19.47	429.9	ZA	1.734	17.34	383.5
	AC22 bin D	0.818	8.17	181.2	AC22 surf S	0.472	4.73	105.0
	Rellenos	1.126	11.23	234.9				
220.000	ZA	1.951	19.50	449.4	ZA	1.734	17.34	400.9
	AC22 bin D	0.817	8.17	189.3	AC22 surf S	0.473	4.73	109.7
	Rellenos	1.125	11.26	246.1				
230.000	ZA	1.959	19.56	469.0	ZA	1.734	17.34	418.2
	AC22 bin D	0.817	8.17	197.5	AC22 surf S	0.472	4.73	114.5
	Rellenos	1.115	11.20	257.3				

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
240.000	ZA	1.968	19.66	488.7		ZA	1.735	17.34 435.5
	AC22 bin D	0.817	8.17	205.7	AC22 surf S	0.472	4.72	119.2
	Rellenos	1.098	11.06	268.4				
250.000	ZA	1.968	19.70	508.4	ZA	1.734	17.35	452.9
	AC22 bin D	0.817	8.17	213.9	AC22 surf S	0.472	4.72	123.9
	Rellenos	1.107	11.01	279.4				
260.000	ZA	1.968	19.70	528.1	ZA	1.734	17.34	470.2
	AC22 bin D	0.817	8.17	222.0	AC22 surf S	0.472	4.72	128.6
	Rellenos	1.133	11.18	290.6				
270.000	ZA	1.968	19.70	547.8	ZA	1.735	17.34	487.6
	AC22 bin D	0.817	8.17	230.2	AC22 surf S	0.472	4.72	133.3
	Rellenos	1.145	11.37	301.9				
280.000	ZA	1.965	19.69	567.5	ZA	1.733	17.34	504.9
	AC22 bin D	0.816	8.16	238.4	AC22 surf S	0.471	4.72	138.1
	Rellenos	1.145	11.42	313.4				
290.000	ZA	1.940	19.54	587.0	ZA	1.717	17.24	522.1
	AC22 bin D	0.807	8.12	246.5	AC22 surf S	0.467	4.69	142.8
	Rellenos	1.152	11.46	324.8				
300.000	ZA	1.915	19.29	606.3	ZA	1.699	17.08	539.2
	AC22 bin D	0.800	8.04	254.5	AC22 surf S	0.463	4.65	147.4
	Rellenos	1.157	11.53	336.4				
310.000	ZA	1.896	19.06	625.3	ZA	1.683	16.91	556.1
	AC22 bin D	0.792	7.96	262.5	AC22 surf S	0.457	4.60	152.0
	Rellenos	1.158	11.57	347.9				
320.000	ZA	1.878	18.87	644.2	ZA	1.667	16.75	572.9
	AC22 bin D	0.783	7.88	270.3	AC22 surf S	0.453	4.55	156.6
	Rellenos	1.159	11.58	359.5				
330.000	ZA	1.853	18.66	662.9	ZA	1.652	16.60	589.5
	AC22 bin D	0.775	7.79	278.1	AC22 surf S	0.448	4.51	161.1
	Rellenos	1.168	11.64	371.1				
340.000	ZA	1.838	18.45	681.3	ZA	1.645	16.48	606.0
	AC22 bin D	0.772	7.74	285.9	AC22 surf S	0.447	4.48	165.5
	Rellenos	1.175	11.72	382.9				
350.000	ZA	1.831	18.34	699.7	ZA	1.645	16.45	622.4
	AC22 bin D	0.772	7.72	293.6	AC22 surf S	0.446	4.47	170.0

Rellenos	1.182	11.79	394.7
Istram 18.05.05.29 17/01/19 18:50:00 1880			
PROYECTO :			
EJE: 56: V de servicio Dch. P.K. 110+800			

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
360.000	ZA	1.830	18.31	718.0		ZA	1.645	16.45 638.9
	AC22 bin D	0.772	7.72	301.3	AC22 surf S	0.447	4.46	174.5
	Rellenos	1.182	11.82	406.5				
370.000	ZA	1.830	18.30	736.3	ZA	1.645	16.45	655.3
	AC22 bin D	0.772	7.72	309.0	AC22 surf S	0.447	4.47	178.9
	Rellenos	1.182	11.82	418.3				
380.000	ZA	1.830	18.30	754.6	ZA	1.645	16.45	671.8
	AC22 bin D	0.772	7.72	316.8	AC22 surf S	0.447	4.47	183.4
	Rellenos	1.182	11.82	430.1				
390.000	ZA	1.830	18.30	772.9	ZA	1.645	16.45	688.2
	AC22 bin D	0.772	7.72	324.5	AC22 surf S	0.447	4.47	187.9
	Rellenos	1.182	11.82	441.9				
400.000	ZA	1.830	18.30	791.2	ZA	1.645	16.45	704.7
	AC22 bin D	0.772	7.72	332.2	AC22 surf S	0.447	4.47	192.3
	Rellenos	1.182	11.82	453.8				
410.000	ZA	1.830	18.30	809.5	ZA	1.645	16.45	721.1
	AC22 bin D	0.772	7.72	339.9	AC22 surf S	0.447	4.47	196.8
	Rellenos	1.182	11.82	465.6				
420.000	ZA	1.830	18.30	827.8	ZA	1.645	16.45	737.6
	AC22 bin D	0.772	7.72	347.6	AC22 surf S	0.447	4.47	201.3
	Rellenos	1.182	11.82	477.4				
430.000	ZA	1.830	18.30	846.1	ZA	1.645	16.45	754.0
	AC22 bin D	0.772	7.72	355.4	AC22 surf S	0.447	4.47	205.7
	Rellenos	1.182	11.82	489.2				
440.000	ZA	1.830	18.30	864.4	ZA	1.645	16.45	770.5
	AC22 bin D	0.772	7.72	363.1	AC22 surf S	0.447	4.47	210.2
	Rellenos	1.183	11.82	501.1				
450.000	ZA	1.830	18.30	882.7	ZA	1.645	16.45	786.9
	AC22 bin D	0.772	7.72	370.8	AC22 surf S	0.447	4.47	214.7
	Rellenos	1.182	11.82	512.9				
460.000	ZA	1.830	18.30	901.0	ZA	1.645	16.45	803.4
	AC22 bin D	0.772	7.72	378.5	AC22 surf S	0.447	4.47	219.1
	Rellenos	1.182	11.82	524.7				
470.000	ZA	1.831	18.31	919.3	ZA	1.645	16.45	819.8
	AC22 bin D	0.772	7.72	386.2	AC22 surf S	0.446	4.46	223.6
	Rellenos	1.182	11.82	536.5				

Istram 18.05.05.29 17/01/19 18:50:00 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	ZA	1.830		18.30	937.6	ZA	1.646		16.45	836.3
	AC22 bin D	0.772		7.72	394.0	AC22 surf S	0.447		4.46	228.1
	Rellenos	1.182		11.82	548.4					
490.000	ZA	1.830		18.30	955.9	ZA	1.645		16.45	852.7
	AC22 bin D	0.772		7.72	401.7	AC22 surf S	0.447		4.47	232.5
500.000	Rellenos	1.183		11.83	560.2					
	ZA	1.830		18.30	974.2	ZA	1.645		16.45	869.2
	AC22 bin D	0.772		7.72	409.4	AC22 surf S	0.447		4.47	237.0
510.000	Rellenos	1.182		11.82	572.0					
	ZA	1.830		18.30	992.5	ZA	1.645		16.45	885.6
	AC22 bin D	0.772		7.72	417.1	AC22 surf S	0.447		4.47	241.5
520.000	Rellenos	1.182		11.82	583.8					
	ZA	1.831		18.30	1010.8	ZA	1.645		16.45	902.1
	AC22 bin D	0.772		7.72	424.8	AC22 surf S	0.446		4.46	245.9
530.000	Rellenos	1.179		11.80	595.6					
	ZA	1.830		18.30	1029.1	ZA	1.646		16.45	918.5
	AC22 bin D	0.772		7.72	432.6	AC22 surf S	0.447		4.46	250.4
540.000	Rellenos	1.182		11.81	607.4					
	ZA	1.830		18.30	1047.4	ZA	1.645		16.45	935.0
	AC22 bin D	0.772		7.72	440.3	AC22 surf S	0.447		4.47	254.9
550.000	Rellenos	1.181		11.82	619.3					
	ZA	1.830		18.30	1065.7	ZA	1.645		16.45	951.4
	AC22 bin D	0.772		7.72	448.0	AC22 surf S	0.447		4.47	259.3
560.000	Rellenos	1.176		11.79	631.0					
	ZA	1.830		18.30	1084.0	ZA	1.645		16.45	967.9
	AC22 bin D	0.772		7.72	455.7	AC22 surf S	0.447		4.47	263.8
570.000	Rellenos	0.985		10.81	641.9					
	ZA	1.831		18.30	1102.3	ZA	1.645		16.45	984.3
	AC22 bin D	0.772		7.72	463.5	AC22 surf S	0.446		4.46	268.3
580.000	Rellenos	0.987		9.86	651.7					
	ZA	1.830		18.30	1120.6	ZA	1.646		16.45	1000.8
	AC22 bin D	0.772		7.72	471.2	AC22 surf S	0.447		4.46	272.7
590.000	Rellenos	1.015		10.01	661.7					
	ZA	1.830		18.30	1138.9	ZA	1.645		16.45	1017.2
	AC22 bin D	0.772		7.72	478.9	AC22 surf S	0.447		4.47	277.2
	Rellenos	0.944		9.79	671.5					

EJE: 56: V_{de} de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
600.000	ZA	1.830	18.30	1157.2		ZA	1.645	16.45	1033.7
	AC22 bin D	0.772	7.72	486.6		AC22 surf S	0.447	4.47	281.7
	Rellenos	1.027	9.85	681.4					
610.000	ZA	1.830	18.30	1175.5		ZA	1.646	16.45	1050.1
	AC22 bin D	0.772	7.72	494.3		AC22 surf S	0.447	4.47	286.1
	Rellenos	1.071	10.49	691.9					
620.000	ZA	1.830	18.30	1193.8		ZA	1.646	16.46	1066.6
	AC22 bin D	0.772	7.72	502.0		AC22 surf S	0.447	4.47	290.6
	Rellenos	1.185	11.28	703.2					
630.000	ZA	1.830	18.30	1212.1		ZA	1.646	16.46	1083.0
	AC22 bin D	0.772	7.72	509.8		AC22 surf S	0.447	4.47	295.1
	Rellenos	1.195	11.90	715.1					
640.000	ZA	1.830	18.30	1230.4		ZA	1.645	16.45	1099.5
	AC22 bin D	0.772	7.72	517.5		AC22 surf S	0.447	4.47	299.5
	Rellenos	1.174	11.84	726.9					
650.000	ZA	1.830	18.30	1248.7		ZA	1.645	16.45	1115.9
	AC22 bin D	0.772	7.72	525.2		AC22 surf S	0.447	4.47	304.0
	Rellenos	1.127	11.51	738.4					
660.000	ZA	1.830	18.30	1267.0		ZA	1.646	16.45	1132.4
	AC22 bin D	0.772	7.72	532.9		AC22 surf S	0.447	4.47	308.5
	Rellenos	1.060	10.93	749.3					
670.000	ZA	1.831	18.30	1285.3		ZA	1.644	16.45	1148.8
	AC22 bin D	0.772	7.72	540.6		AC22 surf S	0.446	4.46	312.9
	Rellenos	1.102	10.81	760.1					
680.000	ZA	1.830	18.31	1303.6		ZA	1.645	16.45	1165.3
	AC22 bin D	0.772	7.72	548.4		AC22 surf S	0.447	4.46	317.4
	Rellenos	1.130	11.16	771.3					
690.000	ZA	1.830	18.30	1321.9		ZA	1.645	16.45	1181.7
	AC22 bin D	0.772	7.72	556.1		AC22 surf S	0.447	4.47	321.8
	Rellenos	1.148	11.39	782.7					
700.000	ZA	1.830	18.30	1340.3		ZA	1.645	16.45	1198.2
	AC22 bin D	0.772	7.72	563.8		AC22 surf S	0.447	4.47	326.3
	Rellenos	1.161	11.54	794.2					
710.000	ZA	1.830	18.30	1358.6		ZA	1.646	16.45	1214.6
	AC22 bin D	0.772	7.72	571.5		AC22 surf S	0.447	4.47	330.8
	Rellenos	1.167	11.64	805.9					

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V_{de} de servicio Dch. P.K. 110+800

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
720.000	ZA	1.831	18.30	1376.9		ZA	1.644	16.45	1231.1
	AC22 bin D	0.772	7.72	579.2		AC22 surf S	0.446	4.46	335.2
	Rellenos	1.174	11.70	817.6					
730.000	ZA	1.830	18.31	1395.2		ZA	1.645	16.45	1247.5
	AC22 bin D	0.772	7.72	587.0		AC22 surf S	0.447	4.46	339.7
	Rellenos	1.180	11.77	829.3					
740.000	ZA	1.830	18.30	1413.5		ZA	1.645	16.45	1264.0
	AC22 bin D	0.772	7.72	594.7		AC22 surf S	0.447	4.47	344.2
	Rellenos	1.182	11.81	841.2					
750.000	ZA	1.830	18.30	1431.8		ZA	1.645	16.45	1280.4
	AC22 bin D	0.772	7.72	602.4		AC22 surf S	0.447	4.47	348.6
	Rellenos	1.183	11.82	853.0					
760.000	ZA	1.830	18.30	1450.1		ZA	1.645	16.45	1296.9
	AC22 bin D	0.772	7.72	610.1		AC22 surf S	0.447	4.47	353.1
	Rellenos	1.182	11.82	864.8					
770.000	ZA	1.830	18.30	1468.4		ZA	1.645	16.45	1313.3
	AC22 bin D	0.772	7.72	617.8		AC22 surf S	0.447	4.47	357.6
	Rellenos	1.182	11.82	876.6					
780.000	ZA	1.830	18.30	1486.7		ZA	1.645	16.45	1329.8
	AC22 bin D	0.773	7.72	625.6		AC22 surf S	0.447	4.47	362.0
	Rellenos	1.182	11.82	888.5					
790.000	ZA	1.830	18.30	1505.0		ZA	1.646	16.45	1346.2
	AC22 bin D	0.772	7.72	633.3		AC22 surf S	0.447	4.47	366.5
	Rellenos	1.182	11.82	900.3					
800.000	ZA	1.830	18.30	1523.3		ZA	1.645	16.45	1362.7
	AC22 bin D	0.772	7.72	641.0		AC22 surf S	0.447	4.47	371.0
	Rellenos	1.182	11.82	912.1					
810.000	ZA	1.830	18.30	1541.6		ZA	1.646	16.45	1379.2
	AC22 bin D	0.772	7.72	648.7		AC22 surf S	0.447	4.47	375.4
	Rellenos	1.182	11.82	923.9					
820.000	ZA	1.830	18.30	1559.9		ZA	1.645	16.45	1395.6
	AC22 bin D	0.773	7.72	656.5		AC22 surf S	0.447	4.47	379.9
	Rellenos	1.182	11.82	935.7					
830.000	ZA	1.830	18.30	1578.2		ZA	1.645	16.45	1412.1
	AC22 bin D	0.772	7.72	664.2		AC22 surf S	0.447	4.47	384.4
	Rellenos	1.182	11.82	947.6					

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V_{de} de servicio Dch. P.K. 110+800

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
840.000	ZA	1.830	18.30	1596.5		ZA	1.646	16.45	1428.5
	AC22 bin D	0.772	7.72	671.9		AC22 surf S	0.447	4.47	388.8
	Rellenos	1.182	11.82	959.4					
850.000	ZA	1.830	18.30	1614.8		ZA	1.645	16.45	1445.0
	AC22 bin D	0.772	7.72	679.6		AC22 surf S	0.447	4.47	393.3
	Rellenos	1.181	11.82	971.2					
860.000	ZA	1.830	18.30	1633.1		ZA	1.644	16.45	1461.4
	AC22 bin D	0.772	7.72	687.3		AC22 surf S	0.447	4.47	397.8
	Rellenos	1.179	11.80	983.0					
870.000	ZA	1.830	18.30	1651.4		ZA	1.645	16.45	1477.9
	AC22 bin D	0.773	7.72	695.1		AC22 surf S	0.447	4.47	402.2
	Rellenos	1.176	11.77	994.8					
880.000	ZA	1.830	18.30	1669.7		ZA	1.645	16.45	1494.3
	AC22 bin D	0.772	7.72	702.8		AC22 surf S	0.447	4.47	406.7
	Rellenos	1.175	11.75	1006.5					
890.000	ZA	1.830	18.30	1688.0		ZA	1.645	16.45	1510.8
	AC22 bin D	0.772	7.72	710.5		AC22 surf S	0.447	4.47	411.2
	Rellenos	1.168	11.71	1018.2					
900.000	ZA	1.830	18.30	1706.3		ZA	1.645	16.45	1527.2
	AC22 bin D	0.772	7.72	718.2		AC22 surf S	0.447	4.47	415.6
	Rellenos	1.155	11.61	1029.9					
910.000	ZA	1.830	18.30	1724.6		ZA	1.644	16.45	1543.7
	AC22 bin D	0.772	7.72	725.9		AC22 surf S	0.447	4.47	420.1
	Rellenos	1.141	11.48	1041.3					
920.000	ZA	1.830	18.30	1742.9		ZA	1.645	16.45	1560.1
	AC22 bin D	0.773	7.72	733.7		AC22 surf S	0.447	4.47	424.6
	Rellenos	1.127	11.34	1052.7					
930.000	ZA	1.830	18.30	1761.2		ZA	1.645	16.45	1576.6
	AC22 bin D	0.772	7.72	741.4		AC22 surf S	0.447	4.47	429.0
	Rellenos	1.110	11.19	1063.9					
940.000	ZA	1.830	18.30	1779.5		ZA	1.645	16.45	1593.0
	AC22 bin D	0.772	7.72	749.1		AC22 surf S	0.447	4.47	433.5
	Rellenos	1.084	10.97	1074.8					
950.000	ZA	1.830	18.30	1797.8		ZA	1.645	16.45	1609.4
	AC22 bin D	0.772	7.72	756.8		AC22 surf S	0.447	4.47	438.0
	Rellenos	1.057	10.70	1085.5					

Istram 18.05.05.29 17/01/19 18:50:00 1880

PROYECTO :

EJE: 56: V_{de} de servicio Dch. P.K. 110+800

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
960.000	ZA	1.830		18.30	1816.1	ZA	1.644		16.45 1625.9
	AC22 bin D	0.772		7.72	764.6	AC22 surf S	0.447		4.47 442.4
	Rellenos	1.053		10.55	1096.1				
970.000	ZA	1.830		18.30	1834.4	ZA	1.645		16.45 1642.3
	AC22 bin D	0.773		7.72	772.3	AC22 surf S	0.447		4.47 446.9
	Rellenos	1.067		10.60	1106.7				
980.000	ZA	1.830		18.30	1852.7	ZA	1.645		16.45 1658.8
	AC22 bin D	0.772		7.72	780.0	AC22 surf S	0.447		4.47 451.4
	Rellenos	1.077		10.72	1117.4				
990.000	ZA	1.830		18.30	1871.0	ZA	1.645		16.45 1675.2
	AC22 bin D	0.772		7.72	787.7	AC22 surf S	0.447		4.47 455.8
	Rellenos	1.067		10.72	1128.1				
1000.000	ZA	1.830		18.30	1889.3	ZA	1.645		16.45 1691.7
	AC22 bin D	0.772		7.72	795.4	AC22 surf S	0.447		4.47 460.3
	Rellenos	1.066		10.66	1138.8				
1010.000	ZA	1.830		18.30	1907.6	ZA	1.644		16.45 1708.1
	AC22 bin D	0.772		7.72	803.2	AC22 surf S	0.447		4.47 464.8
	Rellenos	1.078		10.72	1149.5				
1020.000	ZA	1.830		18.30	1925.9	ZA	1.645		16.45 1724.6
	AC22 bin D	0.773		7.72	810.9	AC22 surf S	0.447		4.47 469.2
	Rellenos	1.066		10.72	1160.2				
1030.000	ZA	1.830		18.30	1944.2	ZA	1.645		16.45 1741.0
	AC22 bin D	0.772		7.72	818.6	AC22 surf S	0.447		4.47 473.7
	Rellenos	1.038		10.52	1170.7				
1040.000	ZA	1.830		18.30	1962.5	ZA	1.645		16.45 1757.5
	AC22 bin D	0.772		7.72	826.3	AC22 surf S	0.447		4.47 478.2
	Rellenos	1.016		10.27	1181.0				
1050.000	ZA	1.830		18.30	1980.8	ZA	1.645		16.45 1773.9
	AC22 bin D	0.773		7.72	834.1	AC22 surf S	0.447		4.47 482.6
	Rellenos	1.066		10.41	1191.4				
1060.000	ZA	1.830		18.30	1999.1	ZA	1.646		16.45 1790.4
	AC22 bin D	0.772		7.72	841.8	AC22 surf S	0.447		4.47 487.1
	Rellenos	1.031		10.48	1201.9				
1070.000	ZA	1.830		18.30	2017.4	ZA	1.645		16.45 1806.8
	AC22 bin D	0.772		7.72	849.5	AC22 surf S	0.447		4.47 491.6
	Rellenos	1.042		10.36	1212.3				

1080.000	ZA	1.830	18.30	2035.7	ZA	1.645	16.45	1823.3		AC22 bin D	0.772	7.72	1050.2	AC22 surf S	0.447	4.47	607.7
	AC22 bin D	0.772	7.72	857.2	AC22 surf S	0.447	4.47	496.0		Rellenos	1.182	11.82	1500.2				
	Rellenos	1.057	10.49	1222.8					1340.000	ZA	1.830	18.30	2511.5	ZA	1.645	16.45	2251.0
1090.000	ZA	1.830	18.30	2054.0	ZA	1.645	16.45	1839.7		AC22 bin D	0.772	7.72	1058.0	AC22 surf S	0.447	4.47	612.2
	AC22 bin D	0.772	7.72	864.9	AC22 surf S	0.447	4.47	500.5		Rellenos	1.182	11.82	1512.0				
	Rellenos	1.062	10.60	1233.4					1350.000	ZA	1.830	18.30	2529.8	ZA	1.645	16.45	2267.4
1100.000	ZA	1.830	18.30	2072.3	ZA	1.645	16.45	1856.2		AC22 bin D	0.772	7.72	1065.7	AC22 surf S	0.447	4.47	616.6
	AC22 bin D	0.772	7.72	872.7	AC22 surf S	0.447	4.47	505.0		Rellenos	1.182	11.82	1523.8				
	Rellenos	1.052	10.57	1243.9					1360.000	ZA	1.831	18.30	2548.1	ZA	1.645	16.45	2283.9
1110.000	ZA	1.830	18.30	2090.6	ZA	1.645	16.45	1872.6		AC22 bin D	0.772	7.72	1073.4	AC22 surf S	0.446	4.46	621.1
	AC22 bin D	0.772	7.72	880.4	AC22 surf S	0.447	4.47	509.4		Rellenos	1.182	11.82	1535.7				
	Rellenos	1.051	10.52	1254.4					1370.000	ZA	1.830	18.31	2566.4	ZA	1.645	16.45	2300.3
1120.000	ZA	1.830	18.30	2108.9	ZA	1.645	16.45	1889.1		AC22 bin D	0.772	7.72	1081.1	AC22 surf S	0.447	4.46	625.6
	AC22 bin D	0.772	7.72	888.1	AC22 surf S	0.447	4.47	513.9		Rellenos	1.182	11.82	1547.5				
	Rellenos	1.061	10.56	1265.0					1380.000	ZA	1.830	18.30	2584.7	ZA	1.645	16.45	2316.8
1130.000	ZA	1.830	18.30	2127.2	ZA	1.645	16.45	1905.5		AC22 bin D	0.772	7.72	1088.9	AC22 surf S	0.447	4.47	630.0
	AC22 bin D	0.772	7.72	895.8	AC22 surf S	0.447	4.47	518.4		Rellenos	1.182	11.82	1559.3				
	Rellenos	0.985	10.23	1275.2					1390.000	ZA	1.830	18.30	2603.0	ZA	1.645	16.45	2333.2
1140.000	ZA	1.830	18.30	2145.5	ZA	1.645	16.45	1922.0		AC22 bin D	0.772	7.72	1096.6	AC22 surf S	0.447	4.47	634.5
	AC22 bin D	0.772	7.72	903.5	AC22 surf S	0.447	4.47	522.8		Rellenos	1.183	11.82	1571.1				
	Rellenos	1.093	10.39	1285.6					1400.000	ZA	1.830	18.30	2621.3	ZA	1.645	16.45	2349.7
1150.000	ZA	1.830	18.30	2163.8	ZA	1.645	16.45	1938.4		AC22 bin D	0.772	7.72	1104.3	AC22 surf S	0.447	4.47	639.0
	AC22 bin D	0.773	7.72	911.3	AC22 surf S	0.447	4.47	527.3		Rellenos	1.182	11.82	1583.0				
	Rellenos	1.108	11.00	1296.6					1410.000	ZA	1.830	18.30	2639.6	ZA	1.645	16.45	2366.1
1160.000	ZA	1.830	18.30	2182.1	ZA	1.645	16.45	1954.9		AC22 bin D	0.773	7.72	1112.0	AC22 surf S	0.447	4.47	643.4
	AC22 bin D	0.772	7.72	919.0	AC22 surf S	0.447	4.47	531.8		Rellenos	1.182	11.82	1594.8				
	Rellenos	1.115	11.11	1307.7					1420.000	ZA	1.830	18.30	2657.9	ZA	1.645	16.45	2382.6
1170.000	ZA	1.830	18.30	2200.4	ZA	1.645	16.45	1971.3		AC22 bin D	0.772	7.72	1119.7	AC22 surf S	0.447	4.47	647.9
	AC22 bin D	0.772	7.72	926.7	AC22 surf S	0.447	4.47	536.2		Rellenos	1.182	11.82	1606.6				
	Rellenos	1.096	11.05	1318.8					1430.000	ZA	1.830	18.30	2676.2	ZA	1.645	16.45	2399.0
1180.000	ZA	1.830	18.30	2218.7	ZA	1.645	16.45	1987.8		AC22 bin D	0.772	7.72	1127.5	AC22 surf S	0.447	4.47	652.4
	AC22 bin D	0.772	7.72	934.4	AC22 surf S	0.447	4.47	540.7		Rellenos	1.182	11.82	1618.4				
	Rellenos	1.036	10.66	1329.5													
1190.000	ZA	1.830	18.30	2237.0	ZA	1.645	16.45	2004.2	Istram 18.05.05.29 17/01/19 18:50:01 1880							pagina 13	
	AC22 bin D	0.772	7.72	942.1	AC22 surf S	0.447	4.47	545.2	PROYECTO :								
	Rellenos	0.939	9.88	1339.3					EJE: 56: V微 de servicio Dch. P.K. 110+800								

Istram 18.05.05.29 17/01/19 18:50:00 1880 pagina 11
PROYECTO :
EJE: 56: V微 de servicio Dch. P.K. 110+800

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME*****										
***** cubicacion segun distancias compensadas*****										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1200.000	ZA	1.830		18.30	2255.3	ZA	1.645		16.45	2020.7
	AC22 bin D	0.773		7.72	949.9	AC22 surf S	0.447		4.47	549.6
	Rellenos	0.987		9.63	1349.0					
1210.000	ZA	1.830		18.30	2273.6	ZA	1.645		16.45	2037.1
	AC22 bin D	0.772		7.72	957.6	AC22 surf S	0.447		4.47	554.1
	Rellenos	1.097		10.42	1359.4					
1220.000	ZA	1.830		18.30	2291.9	ZA	1.645		16.45	2053.6
	AC22 bin D	0.772		7.72	965.3	AC22 surf S	0.447		4.47	558.6
	Rellenos	1.143		11.20	1370.6					
1230.000	ZA	1.830		18.30	2310.2	ZA	1.645		16.45	2070.0
	AC22 bin D	0.772		7.72	973.0	AC22 surf S	0.447		4.47	563.0
	Rellenos	1.165		11.54	1382.1					
1240.000	ZA	1.830		18.30	2328.5	ZA	1.645		16.45	2086.5
	AC22 bin D	0.772		7.72	980.8	AC22 surf S	0.447		4.47	567.5
	Rellenos	1.174		11.70	1393.8					
1250.000	ZA	1.830		18.30	2346.8	ZA	1.645		16.45	2102.9
	AC22 bin D	0.773		7.72	988.5	AC22 surf S	0.447		4.47	572.0
	Rellenos	1.181		11.78	1405.6					
1260.000	ZA	1.830		18.30	2365.1	ZA	1.645		16.45	2119.4
	AC22 bin D	0.772		7.72	996.2	AC22 surf S	0.447		4.47	576.4
	Rellenos	1.182		11.82	1417.4					
1270.000	ZA	1.830		18.30	2383.4	ZA	1.645		16.45	2135.8
	AC22 bin D	0.772		7.72	1003.9	AC22 surf S	0.447		4.47	580.9
	Rellenos	1.182		11.82	1429.2					
1280.000	ZA	1.830		18.30	2401.7	ZA	1.645		16.45	2152.3
	AC22 bin D	0.772		7.72	1011.6	AC22 surf S	0.447		4.47	585.4
	Rellenos	1.182		11.82	1441.1					
1290.000	ZA	1.830		18.30	2420.0	ZA	1.645		16.45	2168.7
	AC22 bin D	0.772		7.72	1019.4	AC22 surf S	0.447		4.47	589.8
	Rellenos	1.183		11.82	1452.9					
1300.000	ZA	1.830		18.30	2438.3	ZA	1.645		16.45	2185.2
	AC22 bin D	0.773		7.72	1027.1	AC22 surf S	0.447		4.47	594.3
	Rellenos	1.182		11.83	1464.7					
1310.000	ZA	1.830		18.30	2456.6	ZA	1.645		16.45	2201.6
	AC22 bin D	0.772		7.72	1034.8	AC22 surf S	0.447		4.47	598.8
	Rellenos	1.182		11.82	1476.5					

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 12
PROYECTO :
EJE: 56: V微 de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1320.000	ZA	1.830	18.30	2474.9		ZA	1.646	16.45	2218.1	
	AC22 bin D	0.772	7.72	1042.5		AC22 surf S	0.447	4.47	603.2	
	Rellenos	1.182	11.82	1488.4						
1330.000	ZA	1.830	18.30	2493.2		ZA	1.646	16.46	2234.5	

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME *****										
***** cubicacion segun distancias compensadas *****										
=====										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1440.000	ZA	1.831		18.31	2694.5	ZA	1.645		16.45	2415.5
	AC22 bin D	0.772		7.72	1135.2	AC22 surf S	0.446		4.46	656.8
	Rellenos	1.182		11.82	1630.2					
1450.000	ZA	1.830		18.30	2712.9	ZA	1.645		16.45	2431.9
	AC22 bin D	0.772		7.72	1142.9	AC22 surf S	0.446		4.46	661.3
	Rellenos	1.182		11.82	1642.1					
1460.000	ZA	1.830		18.30	2731.1	ZA	1.645		16.45	2448.4
	AC22 bin D	0.773		7.72	1150.6	AC22 surf S	0.447		4.46	665.8
	Rellenos	1.176		11.79	1653.9					
1470.000	ZA	1.830		18.30	2749.4	ZA	1.645		16.45	2464.8
	AC22 bin D	0.772		7.72	1158.4	AC22 surf S	0.447		4.47	670.2
	Rellenos	1.159		11.67	1665.5					
1480.000	ZA	1.830		18.30	2767.7	ZA	1.646		16.45	2481.3
	AC22 bin D	0.772		7.72	1166.1	AC22 surf S	0.447		4.47	674.7
	Rellenos	1.144		11.51	1677.0					
1490.000	ZA	1.830		18.30	2786.0	ZA	1.645		16.45	2497.7
	AC22 bin D	0.772		7.72	1173.8	AC22 surf S	0.447		4.47	679.2
	Rellenos	1.125		11.34	1688.4					
1500.000	ZA	1.830		18.30	2804.3	ZA	1.645		16.45	2514.2
	AC22 bin D	0.772		7.72	1181.5	AC22 surf S	0.447		4.47	683.6
	Rellenos	1.107		11.16	1699.5					
1510.000	ZA	1.830		18.30	2822.6	ZA	1.645		16.45	2530.6
	AC22 bin D	0.773		7.72	1189.2	AC22 surf S	0.447		4.47	688.1
	Rellenos	1.082		10.94	1710.5					
1520.000	ZA	1.830		18.30	2840.9	ZA	1.645		16.45	2547.1
	AC22 bin D	0.772		7.72	1197.0	AC22 surf S	0.447		4.47	692.6
	Rellenos	1.053		10.67	1721.2					
1530.000	ZA	1.830		18.30	2859.2	ZA	1.646		16.45	2563.5
	AC22 bin D	0.772		7.72	1204.7	AC22 surf S	0.447		4.47	697.0
	Rellenos	1.068		10.60	1731.8					
1540.000	ZA	1.830		18.30	2877.5	ZA	1.645		16.45	2580.0
	AC22 bin D	0.772		7.72	1212.4	AC22 surf S	0.447		4.47	701.5
	Rellenos	1.052		10.60	1742.4					
1550.000	ZA	1.830		18.30	2895.8	ZA	1.645		16.45	2596.4
	AC22 bin D	0.772		7.72	1220.1	AC22 surf S	0.447		4.47	706.0
	Rellenos	1.128		10.90	1753.3					

1590.000	Rellenos	1.279	12.53	1789.3				
	ZA	1.830	18.30	2969.0	ZA	1.645	16.45	2662.2
1600.000	AC22 bin D	0.772	7.72	1251.0	AC22 surf S	0.447	4.47	723.8
	Rellenos	1.339	13.09	1802.4				
1610.000	ZA	1.830	18.30	2987.3	ZA	1.645	16.45	2678.7
	AC22 bin D	0.772	7.72	1258.7	AC22 surf S	0.447	4.47	728.3
1620.000	Rellenos	1.642	14.91	1817.3				
	ZA	1.830	18.30	3005.6	ZA	1.645	16.45	2695.1
1630.000	AC22 bin D	0.772	7.72	1266.4	AC22 surf S	0.447	4.47	732.8
	Rellenos	1.646	16.44	1833.8				
1640.000	ZA	1.830	18.30	3023.9	ZA	1.645	16.45	2711.6
	AC22 bin D	0.772	7.72	1274.2	AC22 surf S	0.447	4.47	737.2
1650.000	Rellenos	1.644	16.45	1850.2				
	ZA	1.830	18.30	3042.2	ZA	1.645	16.45	2728.0
1660.000	AC22 bin D	0.772	7.72	1281.9	AC22 surf S	0.447	4.47	741.7
	Rellenos	1.640	16.42	1866.6				
1670.000	ZA	1.831	18.30	3060.5	ZA	1.645	16.45	2744.5
	AC22 bin D	0.772	7.72	1289.6	AC22 surf S	0.446	4.47	746.2
1680.000	Rellenos	1.636	16.38	1883.0				
	ZA	1.830	18.30	3078.9	ZA	1.645	16.45	2760.9
1690.000	AC22 bin D	0.772	7.72	1297.3	AC22 surf S	0.447	4.47	750.6
	Rellenos	1.638	16.37	1899.4				
1700.000	ZA	1.830	18.30	3097.2	ZA	1.645	16.45	2777.4
	AC22 bin D	0.772	7.72	1305.0	AC22 surf S	0.447	4.47	755.1
1710.000	Rellenos	1.317	14.78	1914.2				
	ZA	1.830	18.30	3115.5	ZA	1.646	16.45	2793.8
1720.000	AC22 bin D	0.772	7.72	1312.8	AC22 surf S	0.447	4.47	759.6
	Rellenos	1.194	12.55	1926.7				

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 15
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1680.000	ZA	1.830	18.30	3133.8	ZA	1.645	16.45	2810.3
	AC22 bin D	0.772	7.72	1320.5	AC22 surf S	0.447	4.47	764.0
	Rellenos	1.044	11.19	1937.9				
1690.000	ZA	1.830	18.30	3152.1	ZA	1.645	16.45	2826.7
	AC22 bin D	0.773	7.72	1328.2	AC22 surf S	0.447	4.47	768.5
	Rellenos	1.086	10.65	1948.6				
1700.000	ZA	1.830	18.30	3170.4	ZA	1.645	16.45	2843.2
	AC22 bin D	0.772	7.72	1335.9	AC22 surf S	0.447	4.47	773.0
	Rellenos	1.116	11.01	1959.6				
1710.000	ZA	1.830	18.30	3188.7	ZA	1.645	16.45	2859.6
	AC22 bin D	0.772	7.72	1343.7	AC22 surf S	0.447	4.47	777.4
	Rellenos	1.132	11.24	1970.8				
1720.000	ZA	1.830	18.30	3207.0	ZA	1.646	16.45	2876.1
	AC22 bin D	0.772	7.72	1351.4	AC22 surf S	0.447	4.47	781.9
	Rellenos	1.112	11.22	1982.0				
1730.000	ZA	1.830	18.30	3225.2	ZA	1.645	16.45	2892.6
	AC22 bin D	0.772	7.72	1359.1	AC22 surf S	0.447	4.47	786.4
	Rellenos	1.044	10.78	1992.8				
1740.000	ZA	1.830	18.30	3243.5	ZA	1.645	16.45	2909.0
	AC22 bin D	0.773	7.72	1366.8	AC22 surf S	0.447	4.47	790.8
	Rellenos	0.893	9.69	2002.5				
1750.000	ZA	1.830	18.30	3261.8	ZA	1.645	16.45	2925.5
	AC22 bin D	0.772	7.72	1374.5	AC22 surf S	0.447	4.47	795.3
	Rellenos	1.206	10.49	2013.0				
1760.000	ZA	1.830	18.30	3280.1	ZA	1.645	16.45	2941.9
	AC22 bin D	0.772	7.72	1382.3	AC22 surf S	0.447	4.47	799.8
	Rellenos	0.957	10.82	2023.8				
1770.000	ZA	1.830	18.30	3298.4	ZA	1.646	16.45	2958.4
	AC22 bin D	0.772	7.72	1390.0	AC22 surf S	0.447	4.47	804.2
	Rellenos	1.121	10.39	2034.2				
1780.000	ZA	1.830	18.30	3316.7	ZA	1.645	16.45	2974.8
	AC22 bin D	0.772	7.72	1397.7	AC22 surf S	0.447	4.47	808.7
	Rellenos	1.176	11.48	2045.7				
1790.000	ZA	1.830	18.30	3335.0	ZA	1.645	16.45	2991.3
	AC22 bin D	0.773	7.72	1405.4	AC22 surf S	0.447	4.47	813.2
	Rellenos	1.182	11.79	2057.5				

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 16
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1800.000	ZA	1.830	18.30	3353.3	ZA	1.645	16.45	3007.7
	AC22 bin D	0.772	7.72	1413.1	AC22 surf S	0.447	4.47	817.6
	Rellenos	1.182	11.82	2069.3				
1810.000	ZA	1.830	18.30	3371.6	ZA	1.645	16.45	3024.2
	AC22 bin D	0.772	7.72	1420.9	AC22 surf S	0.447	4.47	822.1
	Rellenos	1.182	11.82	2081.1				
1820.000	ZA	1.830	18.30	3389.9	ZA	1.646	16.45	3040.6
	AC22 bin D	0.772	7.72	1428.6	AC22 surf S	0.447	4.47	826.6
	Rellenos	1.182	11.82	2092.9				
1830.000	ZA	1.830	18.30	3408.2	ZA	1.645	16.45	3057.1
	AC22 bin D	0.772	7.72	1436.3	AC22 surf S	0.447	4.47	831.0
	Rellenos	1.183	11.82	2104.7				

1840.000	ZA	1.830	18.30	3426.5	ZA	1.645	16.45	3073.5
	AC22 bin D	0.773	7.72	1444.0	AC22 surf S	0.447	4.47	835.5
	Rellenos	1.182	11.83	2116.6				
1850.000	ZA	1.830	18.30	3444.8	ZA	1.645	16.45	3090.0
	AC22 bin D	0.772	7.72	1451.7	AC22 surf S	0.447	4.47	840.0
	Rellenos	1.182	11.82	2128.4				
1860.000	ZA	1.830	18.30	3463.1	ZA	1.645	16.45	3106.4
	AC22 bin D	0.772	7.72	1459.5	AC22 surf S	0.447	4.47	844.4
	Rellenos	1.183	11.82	2140.2				
1870.000	ZA	1.830	18.30	3481.4	ZA	1.645	16.45	3122.9
	AC22 bin D	0.772	7.72	1467.2	AC22 surf S	0.447	4.47	848.9
	Rellenos	1.182	11.82	2152.0				
1880.000	ZA	1.830	18.30	3499.7	ZA	1.645	16.45	3139.3
	AC22 bin D	0.772	7.72	1474.9	AC22 surf S	0.447	4.47	853.4
	Rellenos	1.182	11.82	2163.9				
1890.000	ZA	1.830	18.30	3518.0	ZA	1.645	16.45	3155.8
	AC22 bin D	0.772	7.72	1482.6	AC22 surf S	0.447	4.47	857.8
	Rellenos	1.182	11.82	2175.7				
1900.000	ZA	1.830	18.30	3536.3	ZA	1.645	16.45	3172.2
	AC22 bin D	0.772	7.72	1490.3	AC22 surf S	0.447	4.47	862.3
	Rellenos	1.182	11.82	2187.5				
1910.000	ZA	1.830	18.30	3554.7	ZA	1.645	16.45	3188.7
	AC22 bin D	0.772	7.72	1498.1	AC22 surf S	0.447	4.47	866.8
	Rellenos	1.183	11.82	2199.3				

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 17
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1920.000	ZA	1.830	18.30	3573.0	ZA	1.645	16.45	3205.1
	AC22 bin D	0.772	7.72	1505.8	AC22 surf S	0.447	4.47	871.2
	Rellenos	1.182	11.82	2211.2				
1930.000	ZA	1.830	18.30	3591.3	ZA	1.645	16.45	3221.6
	AC22 bin D	0.772	7.72	1513.5	AC22 surf S	0.447	4.47	875.7
	Rellenos	1.183	11.82	2223.0				
1940.000	ZA	1.830	18.30	3609.6	ZA	1.645	16.45	3238.0
	AC22 bin D	0.772	7.72	1521.2	AC22 surf S	0.447	4.47	880.2
	Rellenos	1.182	11.82	2234.8				
1950.000	ZA	1.830	18.30	3627.9	ZA	1.645	16.45	3254.5
	AC22 bin D	0.772	7.72	1528.9	AC22 surf S	0.447	4.47	884.6
	Rellenos	1.183	11.82	2246.6				
1960.000	ZA	1.830	18.30	3646.2	ZA	1.645	16.45	3270.9
	AC22 bin D	0.772	7.72	1536.7	AC22 surf S	0.447	4.47	889.1
	Rellenos	1.182	11.82	2258.5				
1970.000	ZA	1.830	18.30	3664.5	ZA	1.645	16.45	3287.4
	AC22 bin D	0.772	7.72	1544.4	AC22 surf S	0.447	4.47	893.6
	Rellenos	1.182	11.82	2270.3				
1980.000	ZA	1.830	18.30	3682.8	ZA	1.645	16.45	3303.8
	AC22 bin D	0.772	7.72	1552.1	AC22 surf S	0.447	4.47	898.0
	Rellenos	1.181	11.82	2282.1				
1990.000	ZA	1.830	18.30	3701.1	ZA	1.646	16.45	3320.3
	AC22 bin D	0.772	7.72	1559.8	AC22 surf S	0.447	4.47	902.5
	Rellenos	1.175	11.78	2293.9				
2000.000	ZA	1.830	18.30	3719.4	ZA	1.645	16.45	3336.7
	AC22 bin D	0.772	7.72	1567.5	AC22 surf S	0.447	4.47	907.0
	Rellenos	1.162	11.68	2305.6				
2010.000	ZA	1.830	18.30	3737.7	ZA	1.645	16.45	3353.2
	AC22 bin D	0.772	7.72	1575.3	AC22 surf S	0.447	4.47	911.4
	Rellenos	1.142	11.52	2317.1				
2020.000	ZA	1.830	18.30	3756.0	ZA	1.645	16.45	3369.6
	AC22 bin D	0.772	7.72	1583.0	AC22 surf S	0.447	4.47	915.9
	Rellenos	1.078	11.10	2328.2				
2030.000	ZA	1.830	18.30	3774.3	ZA	1.645	16.45	3386.1
	AC22 bin D	0.772	7.72	1590.7	AC22 surf S	0.447	4.47	920.4
	Rellenos	1.039	10.58	2338.8				

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 18
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

	AC22 bin D	0.771	7.72	1637.0	AC22 surf S	0.446	4.46	947.1
	Rellenos	1.445	14.72	2414.0				
2100.000	ZA	1.856	18.56	3903.2	ZA	1.644	16.45	3501.2
	AC22 bin D	0.772	7.72	1644.7	AC22 surf S	0.446	4.46	951.6
	Rellenos	1.658	15.51	2429.5				
2110.000	ZA	1.856	18.56	3921.8	ZA	1.644	16.44	3517.6
	AC22 bin D	0.772	7.72	1652.5	AC22 surf S	0.445	4.45	956.1
	Rellenos	1.626	16.41	2445.9				
2120.000	ZA	1.856	18.56	3940.4	ZA	1.644	16.44	3534.1
	AC22 bin D	0.772	7.72	1660.2	AC22 surf S	0.446	4.46	960.5
	Rellenos	1.586	16.05	2462.0				
2130.000	ZA	1.856	18.56	3958.9	ZA	1.644	16.44	3550.5
	AC22 bin D	0.772	7.72	1667.9	AC22 surf S	0.446	4.46	965.0
	Rellenos	1.376	14.80	2476.8				
2140.000	ZA	1.855	18.56	3977.5	ZA	1.645	16.44	3567.0
	AC22 bin D	0.771	7.72	1675.6	AC22 surf S	0.446	4.46	969.4
	Rellenos	1.444	14.08	2490.8				
2150.000	ZA	1.856	18.56	3996.0	ZA	1.644	16.45	3583.4
	AC22 bin D	0.772	7.72	1683.3	AC22 surf S	0.446	4.46	973.9
	Rellenos	1.463	14.52	2505.4				

Istram 18.05.05.29 17/01/19 18:50:01 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 19

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2160.000	ZA	1.856	18.56	4014.6	ZA	1.644	16.44	3599.8
	AC22 bin D	0.772	7.72	1691.1	AC22 surf S	0.445	4.45	978.3
	Rellenos	1.509	14.84	2520.2				
2170.000	ZA	1.856	18.56	4033.1	ZA	1.644	16.44	3616.3
	AC22 bin D	0.772	7.72	1698.8	AC22 surf S	0.446	4.46	982.8
	Rellenos	1.521	15.14	2535.3				
2180.000	ZA	1.856	18.56	4051.7	ZA	1.644	16.44	3632.7
	AC22 bin D	0.772	7.72	1706.5	AC22 surf S	0.446	4.46	987.3
	Rellenos	1.553	15.35	2550.7				
2190.000	ZA	1.856	18.56	4070.3	ZA	1.644	16.44	3649.2
	AC22 bin D	0.772	7.72	1714.2	AC22 surf S	0.445	4.46	991.7
	Rellenos	2.089	18.20	2568.9				
2200.000	ZA	1.856	18.56	4088.8	ZA	1.644	16.44	3665.6
	AC22 bin D	0.772	7.72	1721.9	AC22 surf S	0.445	4.45	996.2
	Rellenos	2.089	20.89	2589.8				
2210.000	ZA	1.855	18.56	4107.4	ZA	1.644	16.44	3682.0
	AC22 bin D	0.772	7.72	1729.6	AC22 surf S	0.446	4.46	1000.6
	Rellenos	2.089	20.89	2610.7				
2220.000	ZA	1.855	18.55	4125.9	ZA	1.645	16.45	3698.5
	AC22 bin D	0.771	7.72	1737.4	AC22 surf S	0.446	4.46	1005.1
	Rellenos	2.088	20.89	2631.6				
2230.000	ZA	1.856	18.56	4144.5	ZA	1.644	16.45	3714.9
	AC22 bin D	0.772	7.72	1745.1	AC22 surf S	0.446	4.46	1009.5
	Rellenos	2.089	20.89	2652.4				
2240.000	ZA	1.856	18.56	4163.0	ZA	1.644	16.44	3731.4
	AC22 bin D	0.772	7.72	1752.8	AC22 surf S	0.446	4.46	1014.0
	Rellenos	2.089	20.89	2673.3				
2250.000	ZA	1.855	18.55	4181.6	ZA	1.644	16.44	3747.8
	AC22 bin D	0.772	7.72	1760.5	AC22 surf S	0.446	4.46	1018.4
	Rellenos	2.089	20.89	2694.2				
2260.000	ZA	1.856	18.56	4200.1	ZA	1.644	16.44	3764.3
	AC22 bin D	0.772	7.72	1768.2	AC22 surf S	0.446	4.46	1022.9
	Rellenos	2.089	20.89	2715.1				
2270.000	ZA	1.856	18.56	4218.7	ZA	1.644	16.44	3780.7
	AC22 bin D	0.772	7.72	1776.0	AC22 surf S	0.446	4.46	1027.4
	Rellenos	2.089	20.89	2736.0				

Istram 18.05.05.29 17/01/19 18:50:01 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 20

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2280.000	ZA	1.855	18.56	4237.3	ZA	1.644	16.44	3797.1
	AC22 bin D	0.772	7.72	1783.7	AC22 surf S	0.446	4.46	1031.8
	Rellenos	2.088	20.89	2756.9				
2290.000	ZA	1.856	18.56	4255.8	ZA	1.644	16.44	3813.6
	AC22 bin D	0.772	7.72	1791.4	AC22 surf S	0.446	4.46	1036.3
	Rellenos	2.089	20.88	2777.8				
2300.000	ZA	1.856	18.56	4274.4	ZA	1.644	16.44	3830.0
	AC22 bin D	0.772	7.72	1799.1	AC22 surf S	0.446	4.46	1040.7
	Rellenos	2.089	20.89	2798.6				
2310.000	ZA	1.855	18.56	4292.9	ZA	1.644	16.44	3846.5
	AC22 bin D	0.772	7.72	1806.8	AC22 surf S	0.446	4.46	1045.2
	Rellenos	2.088	20.89	2819.5				
2320.000	ZA	1.856	18.56	4311.5	ZA	1.644	16.44	3862.9
	AC22 bin D	0.772	7.72	1814.6	AC22 surf S	0.446	4.46	1049.6
	Rellenos	2.089	20.89	2840.4				
2330.000	ZA	1.856	18.56	4330.0	ZA	1.644	16.44	3879.3
	AC22 bin D	0.772	7.72	1822.3	AC22 surf S	0.445	4.46	1054.1
	Rellenos	2.089	20.89	2861.3				
2340.000	ZA	1.856	18.56	4348.6	ZA	1.644	16.44	3895.8
	AC22 bin D	0.772	7.72	1830.0	AC22 surf S	0.446	4.46	1058.6

	Rellenos	2.089	20.89	2882.2				
2350.000	ZA	1.856	18.56	4367.2	ZA	1.644	16.44	3912.2
	AC22 bin D	0.772	7.72	1837.7	AC22 surf S	0.446	4.46	1063.0
	Rellenos	2.089	20.89	2903.1				
2360.000	ZA	1.856	18.56	4385.7	ZA	1.644	16.44	3928.7
	AC22 bin D	0.772	7.72	1845.4	AC22 surf S	0.445	4.46	1067.5
	Rellenos	2.089	20.89	2924.0				
2370.000	ZA	1.856	18.56	4404.3	ZA	1.644	16.44	3945.1
	AC22 bin D	0.772	7.72	1853.2	AC22 surf S	0.446	4.46	1071.9
	Rellenos	2.089	20.89	2944.8				
2380.000	ZA	1.856	18.56	4422.8	ZA	1.644	16.44	3961.5
	AC22 bin D	0.772	7.72	1860.9	AC22 surf S	0.446	4.46	1076.4
	Rellenos	2.089	20.89	2965.7				
2390.000	ZA	1.856	18.56	4441.4	ZA	1.644	16.44	3978.0
	AC22 bin D	0.772	7.72	1868.6	AC22 surf S	0.445	4.46	1080.8
	Rellenos	2.089	20.89	2986.6				

Istram 18.05.05.29 17/01/19 18:50:01 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 21

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2400.000	ZA	1.856	18.56	4459.9	ZA	1.644	16.44	3994.4
	AC22 bin D	0.772	7.72	1876.3	AC22 surf S	0.446	4.46	1085.3
	Rellenos	2.089	20.89	3007.5				
2410.000	ZA	1.864	18.60	4478.5	ZA	1.652	16.48	4010.9
	AC22 bin D	0.775	7.74	1884.1	AC22 surf S	0.448	4.47	1089.8
	Rellenos	2.088	20.88	3028.4				
2420.000	ZA	1.880	18.72	4497.3	ZA	1.668	16.60	4027.5
	AC22 bin D	0.784	7.79	1891.8	AC22 surf S	0.453	4.51	1094.3
	Rellenos	2.088	20.88	3049.3				
2430.000	ZA	1.899	18.90	4516.2	ZA	1.684	16.76	4044.3
	AC22 bin D	0.792	7.88	1899.7	AC22 surf S	0.458	4.55	1098.8
	Rellenos	2.088	20.87	3070.1				
2440.000	ZA	1.921	19.11	4535.3	ZA	1.701	16.92	4061.2
	AC22 bin D	0.800	7.96	1907.7	AC22 surf S	0.462	4.60	1103.4
	Rellenos	2.091	20.88	3091.0				
2450.000	ZA	1.943	19.34	4554.6	ZA	1.718	17.09	4078.3
	AC22 bin D	0.808	8.04	1915.7	AC22 surf S	0.467	4.65	1108.1
	Rellenos	2.092	20.90	3111.9				
2460.000	ZA	1.967	19.57	4574.2	ZA	1.733	17.25	4095.5
	AC22 bin D	0.817	8.12	1923.9	AC22 surf S	0.471	4.69	1112.8
	Rellenos	2.094	20.90	3132.8				
2470.000	ZA	1.968	19.70	4593.9	ZA	1.734	17.33	4112.9
	AC22 bin D	0.817	8.17	1932.0	AC22 surf S	0.472	4.72	1117.5
	Rellenos	1.644	18.55	3151.4				
2480.000	ZA	1.968	19.70	4613.6	ZA	1.734	17.34	4130.2
	AC22 bin D	0.817	8.17	1940.2	AC22 surf S	0.472	4.72	1122.2
	Rellenos	1.596	15.94	3167.3				
2490.000	ZA	1.968	19.70	4633.3	ZA	1.735	17.34	4147.5
	AC22 bin D	0.817	8.17	1948.4	AC22 surf S	0.472	4.72	1126.9
	Rellenos	1.155	13.60	3180.9				
2500.000	ZA	1.968	19.71	4653.0	ZA	1.735	17.35	4164.9
	AC22 bin D	0.817	8.17	1956.5	AC22 surf S	0.472	4.72	1131.6
	Rellenos	1.142	11.46	3192.4				
2510.000	ZA	1.968	19.71	4672.7	ZA	1.735	17.35	4182.2
	AC22 bin D	0.817	8.17	1964.7	AC22 surf S	0.472	4.72	1136.4
	Rellenos	1.150	11.43	3203.8				

Istram 18.05.05.29 17/01/19 18:50:01 1880
PROYECTO :
EJE: 56: V de servicio Dch. P.K. 110+800

pagina 22

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2520.000	ZA	1.968	19.71	4692.4	ZA	1.735	17.35	4199.6
	AC22 bin D	0.817	8.17	1972.9	AC22 surf S	0.472	4.72	1141.1
	Rellenos	1.150	11.47	3215.3				
2530.000	ZA	1.968	19.71	4712.1	ZA	1.735	17.35	4216.9
	AC22 bin D	0.817	8.17	1981.0	AC22 surf S	0.472	4.72	1145.8
	Rellenos	1.118	11.31	3226.6				
2540.000	ZA	1.968	19.71	4731.8	ZA	1.735	17.35	4234.3
	AC22 bin D	0.817	8.17	1989.2	AC22 surf S	0.472	4.72	1150.5
	Rellenos	1.044	10.75	3237.3				
2550.000	ZA	1.958	19.66	4751.5	ZA	1.734	17.34	4251.6
	AC22 bin D	0.817	8.17	1997.4	AC22 surf S	0.472	4.72	1155.2
	Rellenos	0.709	8.75	3246.1				
2560.000	ZA	1.957	19.60	4771.1	ZA	1.734	17.34	4269.0
	AC22 bin D	0.817	8.17	2005.5	AC22 surf S	0.472	4.72	1160.0
	Rellenos	1.045	8.77	3254.9				
2570.000	ZA	1.949	19.54	4790.6	ZA	1.734	17.34	4286.3
	AC22 bin D	0.817	8.17	2013.7	AC22 surf S	0.472	4.72	1164.7
	Rellenos	0.946	9.95	3264.8				
2580.000	ZA	1.946	19.48	4810.1	ZA	1.735	17.34	4303.6
	AC22 bin D	0.817	8.17	2021.9	AC22 surf S	0.473	4.73	1169.4
	Rellenos	1.016	9.83	3274.6				
2590.000	ZA	1.946	19.46	4829.6	ZA	1.734	17.34	4321.0
	AC22 bin D	0.817	8.17	2030.0	AC22 surf S	0.472	4.73	1174.1
	Rellenos	1.088	10.53	3285.2				

2600.000	ZA	1.945	19.46	4849.0	ZA	1.734	17.34	4338.3
	AC22 bin D	0.817	8.17	2038.2	AC22 surf S	0.473	4.73	1178.9
	Rellenos	1.121	11.04	3296.2				
2610.000	ZA	1.945	19.45	4868.5	ZA	1.734	17.34	4355.7
	AC22 bin D	0.817	8.17	2046.4	AC22 surf S	0.473	4.73	1183.6
	Rellenos	1.111	11.16	3307.4				
2620.000	ZA	1.946	19.46	4887.9	ZA	1.734	17.34	4373.0
	AC22 bin D	0.817	8.17	2054.6	AC22 surf S	0.473	4.73	1188.3
	Rellenos	1.094	11.03	3318.4				
2630.000	ZA	1.946	19.46	4907.4	ZA	1.734	17.34	4390.3
	AC22 bin D	0.817	8.17	2062.7	AC22 surf S	0.473	4.73	1193.0
	Rellenos	1.078	10.87	3329.3				

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 23

PROYECTO :
EJE: 56: V_{de} de servicio Dch. P.K. 110+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
2640.000	ZA	1.946	19.47	4926.9	ZA	1.734	17.34	4407.7						
	AC22 bin D	0.817	8.17	2070.9	AC22 surf S	0.473	4.73	1197.8						
	Rellenos	1.102	10.90	3340.2										
2650.000	ZA	1.946	19.47	4946.4	ZA	1.734	17.34	4425.0						
	AC22 bin D	0.817	8.17	2079.1	AC22 surf S	0.473	4.73	1202.5						
	Rellenos	1.081	10.90	3351.1										
2660.000	ZA	2.100	20.22	4966.6	ZA	1.889	18.09	4443.1						
	AC22 bin D	0.894	8.54	2087.6	AC22 surf S	0.519	4.96	1207.5						
	Rellenos	1.106	10.91	3362.0										
2670.000	ZA	2.941	25.06	4991.6	ZA	2.730	22.95	4466.1						
	AC22 bin D	1.314	10.97	2098.6	AC22 surf S	0.772	6.41	1213.9						
	Rellenos	0.957	10.35	3372.3										
2680.000	ZA	4.766	38.12	5029.7	ZA	4.554	36.02	4502.1						
	AC22 bin D	2.227	17.51	2116.1	AC22 surf S	1.319	10.34	1224.2						
	Rellenos	1.562	12.29	3384.6										
2680.539	ZA	4.833	2.55	5032.3	ZA	4.623	2.44	4504.5						
	AC22 bin D	2.261	1.19	2117.3	AC22 surf S	1.339	0.71	1224.9						
	Rellenos	1.604	0.82	3385.4										

Istram 18.05.05.29 17/01/19 18:50:01 1880 pagina 24

PROYECTO :
EJE: 56: V_{de} de servicio Dch. P.K. 110+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	5032.3
ZA	4504.5
AC22 bin D	2117.3
AC22 surf S	1224.9
Rellenos	3385.4

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 1

PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
0.000	ZA	2.638	0.00	0.0	AC32 base G	1.296	0.00	0.0						
	AC22 bin D	0.676	0.00	0.0	AC16 surf S	0.471	0.00	0.0						
	Rellenos	1.355	0.00	0.0										
10.000	ZA	2.645	26.42	26.4	AC32 base G	1.300	12.98	13.0						
	AC22 bin D	0.679	6.78	6.8	AC16 surf S	0.472	4.71	4.7						
	Rellenos	0.978	11.66	11.7										
20.000	ZA	2.666	26.55	53.0	AC32 base G	1.311	13.06	26.0						
	AC22 bin D	0.685	6.82	13.6	AC16 surf S	0.476	4.74	9.5						
	Rellenos	0.826	9.01	20.7										
30.000	ZA	2.686	26.76	79.7	AC32 base G	1.322	13.16	39.2						
	AC22 bin D	0.691	6.88	20.5	AC16 surf S	0.480	4.78	14.2						
	Rellenos	0.784	8.04	28.7										
40.000	ZA	2.707	26.97	106.7	AC32 base G	1.333	13.27	52.5						
	AC22 bin D	0.696	6.94	27.4	AC16 surf S	0.484	4.82	19.1						
	Rellenos	0.933	8.56	37.3										
50.000	ZA	2.729	27.18	133.9	AC32 base G	1.344	13.38	65.9						
	AC22 bin D	0.702	6.99	34.4	AC16 surf S	0.489	4.86	23.9						
	Rellenos	0.928	9.24	46.5										
60.000	ZA	2.756	27.42	161.3	AC32 base G	1.358	13.51	79.4						
	AC22 bin D	0.710	7.06	41.5	AC16 surf S	0.494	4.91	28.8						
	Rellenos	0.922	9.17	55.7										
70.000	ZA	3.390	30.78	192.1	AC32 base G	1.688	15.25	94.6						
	AC22 bin D	0.888	8.00	49.5	AC16 surf S	0.621	5.58	34.4						
	Rellenos	1.392	11.33	67.0										
80.000	ZA	6.074	47.31	239.4	AC32 base G	3.084	23.85	118.5						
	AC22 bin D	1.640	12.64	62.1	AC16 surf S	1.156	8.88	43.3						
	Rellenos	0.678	10.08	77.1										
90.000	ZA	7.653	68.66	308.0	AC32 base G	3.903	34.95	153.4						
	AC22 bin D	2.082	18.62	80.7	AC16 surf S	1.473	13.15	56.4						
	Rellenos	0.677	6.61	83.7										
100.000	ZA	7.698	76.92	385.0	AC32 base G	3.927	39.23	192.6						
	AC22 bin D	2.094	20.92	101.6	AC16 surf S	1.483	14.81	71.2						

110.000	Rellenos	0.677	6.60	90.3	AC32 base G	3.952	39.47	232.1
	ZA	7.743	77.35	462.3	AC16 surf S	1.490	14.89	86.1
	AC22 bin D	2.106	21.04	122.7				
	Rellenos	0.677	6.60	96.9				

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 2

PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
120.000	ZA	6.689	72.02	534.3	AC32 base G	3.403	36.70	268.8						
	AC22 bin D	1.810	19.54	142.2	AC16 surf S	1.281	13.83	100.0						
	Rellenos	0.677	6.58	103.5										
130.000	ZA	3.748	51.89	586.2	AC32 base G	1.873	26.23	295.1						
	AC22 bin D	0.988	13.91	156.1	AC16 surf S	0.692	9.81	109.8						
	Rellenos	1.003	8.18	111.7										
140.000	ZA	2.812	32.70	618.9	AC32 base G	1.387	16.25	311.3						
	AC22 bin D	0.726	8.54	164.7	AC16 surf S	0.505	5.97	115.7						
	Rellenos	1.012	9.89	121.6										
150.000	ZA	2.751	27.80	646.7	AC32 base G	1.355	13.70	325.0						
	AC22 bin D	0.708	7.17	171.8	AC16 surf S	0.492	4.98	120.7						
	Rellenos	1.391	11.77	133.3										
160.000	ZA	2.735	27.43	674.1	AC32 base G	1.347	13.51	338.5						
	AC22 bin D	0.704	7.06	178.9	AC16 surf S	0.490	4.91	125.6						
	Rellenos	1.398	13.62	146.9										
170.000	ZA	2.714	27.24	701.4	AC32 base G	1.336	13.42	351.9						
	AC22 bin D	0.698	7.01	185.9	AC16 surf S	0.486	4.88	130.5						
	Rellenos	1.358	13.53	160.5										
180.000	ZA	2.694	27.04	728.4	AC32 base G	1.326	13.31	365.2						
	AC22 bin D	0.693	6.96	192.9	AC16 surf S	0.482	4.84	135.3						
	Rellenos	0.998	11.67	172.1										
190.000	ZA	2.673	26.84	755.3	AC32 base G	1.315	13.21	378.4						
	AC22 bin D	0.687	6.90	199.8	AC16 surf S	0.478	4.80	140.1						
	Rellenos	0.906	9.50	181.6										
200.000	ZA	2.653	26.63	781.9	AC32 base G	1.305	13.10	391.5						
	AC22 bin D	0.681	6.84	206.6	AC16 surf S	0.474	4.76	144.9						
	Rellenos	0.947	9.26	190.9										
210.000	ZA	2.641	26.47	808.4	AC32 base G	1.298	13.01	404.6						
	AC22 bin D	0.678	6.80	213.4	AC16 surf S	0.472	4.73	149.6						
	Rellenos	0.952	9.50	200.4										
220.000	ZA	2.662	26.52	834.9	AC32 base G	1.309	13.04	417.6						
	AC22 bin D	0.684	6.81	220.2	AC16 surf S	0.475	4.74	154.4						
	Rellenos	0.953	9.53	209.9										
230.000	ZA	2.683	26.72	861.6	AC32 base G	1.319	13.14	430.7						
	AC22 bin D	0.689	6.86	227.1	AC16 surf S	0.479	4.77	159.1						
	Rellenos	0.953	9.52	219.4										

Istram 18.05.05.29 18/01/19 11:22:08 1880 pagina 3

PROYECTO :
EJE: 57: V_{de} de servicio Dch. P.K. 113+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
240.000	ZA	2.702		26.93		888.5		AC32 base G	1.330		13.25		444.0	
	AC22 bin D	0.695		6.92		234.0		AC16 surf S	0.484		4.81		164.0	
	Rellenos	0.952		9.49		228.9								
250.000	ZA	2.722		27.12		915.6		AC32 base G	1.341		13.35		457.3	
	AC22 bin D	0.701		6.98		241.0		AC16 surf S	0.487		4.85		168.8	
	Rellenos	0.929		9.36		238.3								
260.000	ZA	2.743		27.33		943.0		AC32 base G	1.351		13.46		470.8	
	AC22 bin D	0.706		7.03		248.0		AC16 surf S	0.492		4.89		173.7	
	Rellenos	0.905		9.10		247.4								
270.000	ZA	2.750		27.46		970.4		AC32 base G	1.355		13.53		484.3	
	AC22 bin D	0.709		7.07		255.1		AC16 surf S	0.492		4.92		178.6	
	Rellenos	0.904		8.96		256.4								
280.000	ZA	2.751		27.50		997.9		AC32 base G	1.355		13.55		497.9	
	AC22 bin D	0.708		7.08		262.2		AC16 surf S	0.492		4.92		183.5	
	Rellenos	0.884		8.86		265.2								
290.000	ZA	2.750		27.50		1025.4		AC32 base G	1.355		13.55		511.4	
	AC22 bin D	0.708		7.08		269.2		AC16 surf S	0.492		4.92		188.5	
	Rellenos	0.908		8.87		274.1								
300.000	ZA	2.750		27.50		1052.9		AC32 base G	1.355		13.55		525.0	
	AC22 bin D	0.708		7.08		276.3		AC16 surf S	0.493		4.92		193.4	
	Rellenos	0.922		9.05		283.1								
310.000	ZA	2.751		27.50		1080.4		AC32 base G	1.355		13.55		538.5	
	AC22 bin D	0.708		7.08		283.4		AC16 surf S	0.492		4.92		198.3	
	Rellenos	1.391		11.34		294.5								
320.000	ZA	2.750		27.50		1107.9		AC32 base G	1.355		13.55		552.1	
	AC22 bin D	0.709		7.09		290.5		AC16 surf S	0.492		4.92		203.2	
	Rellenos	0.975		11.60		306.1								
330.000	ZA	2.750		27.50		1135.5		AC32 base G	1.355		13.55		565.6	
	AC22 bin D	0.708		7.09		297.6		AC16 surf S	0.493		4.92		208.2	
	Rellenos	0.854		9.05		315.1								
340.000	ZA	2.751		27.50		1163.0		AC32 base G	1.355		13.55		579.2	
	AC22 bin D	0.709		7.09		304.7		AC16 surf S	0.492		4.92		213.1	
	Rellenos	0.897		8.68		323.8								
350.000	ZA	2.750		27.50		1190.5		AC32 base G	1.355		13.55		592.7	
	AC22 bin D	0.709		7.09		311.8		AC16 surf S	0.492		4.92		218.0	
	Rellenos	0.904		8.92		332.7								

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

pagina 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *														
* * * CAPAS DE FIRME * * *														
* * * cubicacion segun distancias compensadas * * *														

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
360.000	ZA	2.732		27.41		1217.9		AC32 base G	1.345		13.50		606.2	
	AC22 bin D	0.703		7.06		318.8		AC16 surf S	0.488		4.90		222.9	
	Rellenos	0.928		9.08		341.8								
370.000	ZA	2.711		27.21		1245.1		AC32 base G	1.334		13.40		619.6	
	AC22 bin D	0.698		7.00		325.8		AC16 surf S	0.485		4.87		227.8	
	Rellenos	0.950		9.34		351.2								
380.000	ZA	2.690		27.01		1272.1		AC32 base G	1.324		13.29		632.9	
	AC22 bin D	0.692		6.95		332.8		AC16 surf S	0.481		4.83		232.6	
	Rellenos	0.955		9.49		360.7								
390.000	ZA	2.670		26.80		1298.9		AC32 base G	1.313		13.19		646.1	
	AC22 bin D	0.686		6.89		339.7		AC16 surf S	0.477		4.79		237.4	
	Rellenos	0.949		9.50		370.2								
400.000	ZA	2.650		26.60		1325.5		AC32 base G	1.303		13.08		659.2	
	AC22 bin D	0.680		6.83		346.5		AC16 surf S	0.474		4.76		242.1	
	Rellenos	0.974		9.61		379.8								
410.000	ZA	2.639		26.44		1351.9		AC32 base G	1.297		13.00		672.1	
	AC22 bin D	0.677		6.79		353.3		AC16 surf S	0.471		4.72		246.9	
	Rellenos	0.999		9.87		389.6								
420.000	ZA	2.639		26.39		1378.3		AC32 base G	1.296		12.96		685.1	
	AC22 bin D	0.677		6.77		360.0		AC16 surf S	0.472		4.72		251.6	
	Rellenos	1.026		10.13		399.8								
430.000	ZA	2.639		26.39		1404.7		AC32 base G	1.297		12.97		698.1	
	AC22 bin D	0.677		6.77		366.8		AC16 surf S	0.472		4.72		256.3	
	Rellenos	1.029		10.27		410.0								
440.000	ZA	2.639		26.39		1431.1		AC32 base G	1.296		12.97		711.0	
	AC22 bin D	0.677		6.77		373.6		AC16 surf S	0.471		4.71		261.0	
	Rellenos	1.000		10.14		420.2								
450.000	ZA	2.639		26.39		1457.5		AC32 base G	1.296		12.96		724.0	
	AC22 bin D	0.677		6.77		380.4		AC16 surf S	0.472		4.72		265.7	
	Rellenos	0.980		9.90		430.1								
460.000	ZA	2.639		26.39		1483.9		AC32 base G	1.296		12.96		737.0	
	AC22 bin D	0.677		6.77		387.1		AC16 surf S	0.472		4.72		270.4	
	Rellenos	0.954		9.67		439.7								
470.000	ZA	2.639		26.39		1510.3		AC32 base G	1.296		12.96		749.9	
	AC22 bin D	0.677		6.77		393.9		AC16 surf S	0.472		4.72		275.2	
	Rellenos	0.993		9.74		449.5								

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
600.000	ZA	2.639		26.39		1853.3		AC32 base G	1.296		12.97		918.5	
	AC22 bin D	0.677		6.77		481.9		AC16 surf S	0.472		4.72		336.5	
	Rellenos	1.030		10.30		582.1								
610.000	ZA	2.639		26.39		1879.7		AC32 base G	1.296		12.96		931.5	
	AC22 bin D	0.677		6.77		488.7		AC16 surf S	0.472		4.72		341.2	
	Rellenos	1.024		10.27		592.4								
620.000	ZA	2.639		26.39		1906.1		AC32 base G	1.296		12.96		944.4	
	AC22 bin D	0.677		6.77		495.5		AC16 surf S	0.472		4.72		345.9	
	Rellenos	1.001		10.12		602.5								
630.000	ZA	2.639		26.39		1932.5		AC32 base G	1.297		12.97		957.4	
	AC22 bin D	0.677		6.77		502.2		AC16 surf S	0.472		4.72		350.7	
	Rellenos	0.962		9.82		612.3								
640.000	ZA	2.638		26.38		1958.8		AC32 base G	1.297		12.97		970.4	
	AC22 bin D	0.677		6.77		509.0		AC16 surf S	0.472		4.72		355.4	
	Rellenos	0.986		9.74		622.1								
650.000	ZA	2.639		26.38		1985.2		AC32 base G	1.296		12.97		983.3	
	AC22 bin D	0.677		6.77		515.8		AC16 surf S	0.472		4.72		360.1	
	Rellenos	1.004		9.95		632.0								
660.000	ZA	2.639		26.39		2011.6		AC32 base G	1.297		12.97		996.3	
	AC22 bin D	0.677		6.77		522.5		AC16 surf S	0.472		4.72		364.8	
	Rellenos	1.007		10.06		642.1								
670.000	ZA	2.639		26.39		2038.0		AC32 base G	1.296		12.97		1009.3	
	AC22 bin D	0.677		6.77		529.3		AC16 surf S	0.472		4.72		369.5	
	Rellenos	0.994		10.01		652.1								
680.000	ZA	2.638		26.38		2064.4		AC32 base G	1.297		12.97		1022.2	
	AC22 bin D	0.677		6.77		536.1		AC16 surf S	0.472		4.72		374.2	
	Rellenos	0.984		9.89		662.0								
690.000	ZA	2.639		26.38		2090.8		AC32 base G	1.296		12.97		1035.2	
	AC22 bin D	0.677		6.77		542.9		AC16 surf S	0.472		4.72		379.0	
	Rellenos	1.078		10.31		672.3								
700.000	ZA	2.639		26.39		2117.2		AC32 base G	1.297		12.97		1048.2	
	AC22 bin D	0.677		6.77		549.6		AC16 surf S	0.472		4.72		383.7	
	Rellenos	1.124		11.01		683.3								
710.000	ZA	2.639		26.39		2143.5		AC32 base G	1.296		12.97		1061.1	
	AC22 bin D	0.677		6.77		556.4		AC16 surf S	0.472		4.72		388.4	
	Rellenos	1.180		11.52		694.8								

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

pagina 7

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

pagina 5

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *													
* * * CAPAS DE FIRME * * *													
* * * cubicacion segun distancias compensadas * * *													

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
480.000	ZA	2.639		26.39	1536.7	AC32 base G	1.297		12.97	762.9			
	AC22 bin D	0.677		6.77	400.7	AC16 surf S	0.472		4.72	279.9			
	Rellenos	0.966		9.79	459.3								
490.000	ZA	2.639		26.39	1563.0	AC32 base G	1.296		12.97	775.9			
	AC22 bin D	0.677		6.77	407.4	AC16 surf S	0.472		4.72	284.6			
	Rellenos	1.006		9.86	469.1								
500.000	ZA	2.638		26.38	1589.4	AC32 base G	1.297		12.97	788.8			
	AC22 bin D	0.677		6.77	414.2	AC16 surf S	0.472		4.72	289.3			
	Rellenos	1.018		10.12	479.2								
510.000	ZA	2.639		26.38	1615.8	AC32 base G	1.296		12.97	801.8			
	AC22 bin D	0.677		6.77	421.0	AC16 surf S	0.472		4.72	294.0			
	Rellenos	1.027		10.23	489.5								
520.000	ZA	2.639		26.39	1642.2	AC32 base G	1.297		12.97	814.8			
	AC22 bin D	0.677		6.77	427.8	AC16 surf S	0.472		4.72	298.8			
	Rellenos	1.030		10.28	499.7								
530.000	ZA	2.639		26.39	1668.6	AC32 base G	1.296		12.97	827.7			
	AC22 bin D	0.677		6.77	434.5	AC16 surf S	0.472		4.72	303.5			
	Rellenos	1.030		10.30	510.0								
540.000	ZA	2.639		26.39	1695.0	AC32 base G	1.296		12.96	840.7			
	AC22 bin D	0.677		6.77	441.3	AC16 surf S	0.472		4.72	308.2			
	Rellenos	1.030		10.30	520.3								
550.000	ZA	2.639		26.39	1721.4	AC32 base G	1.297		12.97	853.7			
	AC22 bin D	0.677		6.77	448.1	AC16 surf S	0.472		4.72	312.9			
	Rellenos	1.030		10.30	530.6								
560.000	ZA	2.639		26.39	1747.7	AC32 base G	1.296		12.97	866.6			
	AC22 bin D	0.677		6.77	454.8	AC16 surf S	0.472		4.72	317.6			
	Rellenos	1.030		10.30	540.9								
570.000	ZA	2.638		26.38	1774.1	AC32 base G	1.297		12.97	879.6			
	AC22 bin D	0.677		6.77	461.6	AC16 surf S	0.472		4.72	322.3			
	Rellenos	1.030		10.30	551.2								
580.000	ZA	2.639		26.38	1800.5	AC32 base G	1.296		12.97	892.6			
	AC22 bin D	0.677		6.77	468.4	AC16 surf S	0.472		4.72	327.1			
	Rellenos	1.030		10.30	561.5								
590.000	ZA	2.639		26.39	1826.9	AC32 base G	1.297		12.97	905.5			
	AC22 bin D	0.677		6.77	475.2	AC16 surf S	0.472		4.72	331.8			
	Rellenos	1.030		10.30	571.8								

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
720.000	ZA	2.639		26.39		2169.9		AC32 base G	1.296		12.96		1074.1	
	AC22 bin D	0.677		6.77		563.2		AC16 surf S	0.472		4.72		393.1	
	Rellenos	1.030		11.05		705.9								
730.000	ZA	2.639		26.39		2196.3		AC32 base G	1.296		12.96		1087.1	
	AC22 bin D	0.677		6.77		569.9		AC16 surf S	0.472		4.72		397.8	
	Rellenos	1.030		10.30		716.2								
740.000	ZA	2.639		26.39		2222.7		AC32 base G	1.297		12.97		1100.0	
	AC22 bin D	0.677		6.77		576.7		AC16 surf S	0.472		4.72		402.6	
	Rellenos	1.030		10.30		726.4								
750.000	ZA	2.639		26.39		2249.1		AC32 base G	1.297		12.97		1113.0	
	AC22 bin D	0.677		6.77		583.5		AC16 surf S	0.472		4.72		407.3	
	Rellenos	1.030		10.30		736.7								
760.000	ZA	2.639		26.39		2275.5		AC32 base G	1.296		12.97		1126.0	
	AC22 bin D	0.677		6.77		590.3		AC16 surf S	0.472		4.72		412.0	
	Rellenos	1.030		10.30		747.0								
770.000	ZA	2.639		26.39		2301.9		AC32 base G	1.296		12.96		1138.9	
	AC22 bin D	0.677		6.77		597.0		AC16 surf S	0.472		4.72		416.7	
	Rellenos	1.030		10.30		757.3								
780.000	ZA	2.639		26.39		2328.3		AC32 base G	1.296		12.96		1151.9	
	AC22 bin D	0.677		6.77		603.8		AC16 surf S	0.472		4.72		421.4	
	Rellenos	1.030		10.30		767.6								
790.000	ZA	2.639		26.39		2354.6		AC32 base G	1.296		12.96		1164.9	
	AC22 bin D	0.677		6.77		610.6		AC16 surf S	0.472		4.72		426.1	
	Rellenos	1.030		10.30		777.9								
800.000	ZA	2.639		26.39		2381.0		AC32 base G	1.296		12.96		1177.8	
	AC22 bin D	0.677		6.77		617.3		AC16 surf S	0.472		4.72		430.9	
	Rellenos	1.030		10.30		788.2								
810.000	ZA	2.639		26.39		2407.4		AC32 base G	1.297		12.97		1190.8	
	AC22 bin D	0.677		6.77		624.1		AC16 surf S	0.472		4.72		435.6	
	Rellenos	1.030		10.30		798.5								
820.000	ZA	2.640		26.39		2433.8		AC32 base G	1.297		12.97		1203.8	
	AC22 bin D	0.677		6.77		630.9		AC16 surf S	0.471		4.71		440.3	
	Rellenos	1.030		10.30		808.8								
830.000	ZA	2.639		26.39		2460.2		AC32 base G	1.296		12.97		1216.7	
	AC22 bin D	0.677		6.77		637.6		AC16 surf S	0.472		4.72		445.0	
	Rellenos	1.030		10.30		819.1								

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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
840.000	ZA	2.639		26.39		2486.6		AC32 base G	1.296		12.96		1229.7	
	AC22 bin D	0.677		6.77		644.4		AC16 surf S	0.472		4.72		449.7	
	Rellenos	1.030		10.30		829.4								
850.000	ZA	2.638		26.38		2513.0		AC32 base G	1.297		12.97		1242.7	
	AC22 bin D	0.677		6.77		651.2		AC16 surf S	0.472		4.72		454.5	
	Rellenos	1.030		10.30		839.7								
860.000	ZA	2.639		26.39		2539.4		AC32 base G	1.296		12.97		1255.6	
	AC22 bin D	0.677		6.77		658.0		AC16 surf S	0.471		4.72		459.2	
	Rellenos	1.030		10.30		850.0								
870.000	ZA	2.640		26.39		2565.8		AC32 base G	1.297		12.97		1268.6	
	AC22 bin D	0.677		6.77		664.7		AC16 surf S	0.471		4.71		463.9	
	Rellenos	1.030		10.30		860.3								
880.000	ZA	2.639		26.39		2592.2		AC32 base G	1.296		12.97		1281.6	
	AC22 bin D	0.677		6.77		671.5		AC16 surf S	0.472		4.72		468.6	
	Rellenos	1.030		10.30		870.6								
890.000	ZA	2.639		26.39		2618.5		AC32 base G	1.296		12.96		1294.5	
	AC22 bin D	0.677		6.77		678.3		AC16 surf S	0.472		4.72		473.3	
	Rellenos	1.030		10.30		880.9								
900.000	ZA	2.638		26.38		2644.9		AC32 base G	1.297		12.97		1307.5	
	AC22 bin D	0.677		6.77		685.0		AC16 surf S	0.472		4.72		478.0	
	Rellenos	1.030		10.30		891.2								
910.000	ZA	2.639		26.39		2671.3		AC32 base G	1.296		12.97		1320.5	
	AC22 bin D	0.677		6.77		691.8		AC16 surf S	0.471		4.72		482.8	
	Rellenos	1.030		10.30		901.5								
920.000	ZA	2.640		26.39		2697.7		AC32 base G	1.297		12.97		1333.4	
	AC22 bin D	0.677		6.77		698.6		AC16 surf S	0.471		4.71		487.5	
	Rellenos	1.030		10.30		911.8								
930.000	ZA	2.639		26.39		2724.1		AC32 base G	1.296		12.97		1346.4	
	AC22 bin D	0.677		6.77		705.4		AC16 surf S	0.472		4.72		492.2	
	Rellenos	1.028		10.29		922.1								
940.000	ZA	2.639		26.39		2750.5		AC32 base G	1.296		12.96		1359.4	
	AC22 bin D	0.677		6.77		712.1		AC16 surf S	0.472		4.72		496.9	
	Rellenos	1.030		10.29		932.4								
950.000	ZA	2.638		26.38		2776.9		AC32 base G	1.297		12.97		1372.3	
	AC22 bin D	0.677		6.77		718.9		AC16 surf S	0.472		4.72		501.6	
	Rellenos	1.030		10.30		942.7								

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
960.000	ZA	2.639		26.39	2803.3	AC32 base G	1.296		12.97	1385.3
	AC22 bin D	0.677		6.77	725.7	AC16 surf S	0.471		4.72	506.3
	Rellenos	1.030		10.30	953.0					
970.000	ZA	2.640		26.39	2829.6	AC32 base G	1.297		12.97	1398.3
	AC22 bin D	0.677		6.77	732.4	AC16 surf S	0.471		4.71	511.1
	Rellenos	1.030		10.30	963.3					
980.000	ZA	2.639		26.39	2856.0	AC32 base G	1.296		12.97	1411.2
	AC22 bin D	0.677		6.77	739.2	AC16 surf S	0.472		4.72	515.8
	Rellenos	1.030		10.30	973.6					
990.000	ZA	2.639		26.39	2882.4	AC32 base G	1.296		12.96	1424.2
	AC22 bin D	0.677		6.77	746.0	AC16 surf S	0.472		4.72	520.5
	Rellenos	1.030		10.30	983.9					
1000.000	ZA	2.638		26.38	2908.8	AC32 base G	1.297		12.97	1437.2
	AC22 bin D	0.677		6.77	752.8	AC16 surf S	0.472		4.72	525.2
	Rellenos	1.030		10.30	994.2					
1010.000	ZA	2.639		26.39	2935.2	AC32 base G	1.296		12.97	1450.1
	AC22 bin D	0.677		6.77	759.5	AC16 surf S	0.471		4.72	529.9
	Rellenos	1.030		10.30	1004.5					
1020.000	ZA	2.639		26.39	2961.6	AC32 base G	1.296		12.96	1463.1
	AC22 bin D	0.677		6.77	766.3	AC16 surf S	0.472		4.71	534.6
	Rellenos	1.026		10.28	1014.7					
1030.000	ZA	2.638		26.39	2988.0	AC32 base G	1.297		12.97	1476.0
	AC22 bin D	0.677		6.77	773.1	AC16 surf S	0.471		4.71	539.4
	Rellenos	1.433		12.30	1027.0					
1040.000	ZA	2.638		26.38	3014.4	AC32 base G	1.296		12.96	1489.0
	AC22 bin D	0.677		6.77	779.8	AC16 surf S	0.472		4.71	544.1
	Rellenos	0.975		12.04	1039.1					
1050.000	ZA	2.638		26.38	3040.7	AC32 base G	1.296		12.96	1502.0
	AC22 bin D	0.677		6.77	786.6	AC16 surf S	0.471		4.71	548.8
	Rellenos	0.955		9.65	1048.7					
1060.000	ZA	2.638		26.38	3067.1	AC32 base G	1.296		12.96	1514.9
	AC22 bin D	0.677		6.77	793.4	AC16 surf S	0.470		4.71	553.5
	Rellenos	0.954		9.54	1058.3					
1070.000	ZA	2.638		26.38	3093.5	AC32 base G	1.296		12.96	1527.9
	AC22 bin D	0.677		6.77	800.2	AC16 surf S	0.469		4.70	558.2
	Rellenos	0.956		9.54	1067.8					

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 10

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1080.000	ZA	2.637		26.37	3119.9	AC32 base G	1.296		12.96	1540.9

1090.000	AC22 bin D	0.677	6.77	806.9	AC16 surf S	0.471	4.70	562.9
	Rellenos	0.944	9.49	1077.3				
	ZA	2.638	26.37	3146.2	AC32 base G	1.296	12.96	1553.8
	AC22 bin D	0.677	6.77	813.7	AC16 surf S	0.470	4.70	567.6
	Rellenos	0.928	9.34	1086.6				
1100.000	ZA	2.638	26.38	3172.6	AC32 base G	1.296	12.96	1566.8
	AC22 bin D	0.677	6.77	820.5	AC16 surf S	0.470	4.70	572.3
	Rellenos	0.913	9.18	1095.8				
1110.000	ZA	2.638	26.38	3199.0	AC32 base G	1.296	12.96	1579.7
	AC22 bin D	0.677	6.77	827.2	AC16 surf S	0.470	4.70	577.0
	Rellenos	0.911	9.10	1104.9				
1120.000	ZA	2.638	26.38	3225.4	AC32 base G	1.296	12.96	1592.7
	AC22 bin D	0.677	6.77	834.0	AC16 surf S	0.470	4.70	581.7
	Rellenos	0.880	8.93	1113.8				
1130.000	ZA	2.638	26.38	3251.8	AC32 base G	1.296	12.96	1605.7
	AC22 bin D	0.677	6.77	840.8	AC16 surf S	0.470	4.70	586.4
	Rellenos	0.926	9.00	1122.9				
1140.000	ZA	2.638	26.38	3278.1	AC32 base G	1.296	12.96	1618.6
	AC22 bin D	0.677	6.77	847.5	AC16 surf S	0.470	4.70	591.1
	Rellenos	0.973	9.46	1132.3				
1150.000	ZA	2.638	26.38	3304.5	AC32 base G	1.296	12.96	1631.6
	AC22 bin D	0.677	6.77	854.3	AC16 surf S	0.470	4.70	595.8
	Rellenos	1.035	10.00	1142.3				
1160.000	ZA	2.638	26.38	3330.9	AC32 base G	1.296	12.96	1644.5
	AC22 bin D	0.677	6.77	861.1	AC16 surf S	0.470	4.70	600.5
	Rellenos	1.379	12.00	1154.3				
1170.000	ZA	2.638	26.38	3357.3	AC32 base G	1.296	12.96	1657.5
	AC22 bin D	0.677	6.77	867.9	AC16 surf S	0.470	4.70	605.2
	Rellenos	0.811	10.89	1165.2				
1180.000	ZA	2.638	26.38	3383.6	AC32 base G	1.296	12.96	1670.5
	AC22 bin D	0.677	6.77	874.6	AC16 surf S	0.470	4.70	609.9
	Rellenos	0.963	8.85	1174.0				
1190.000	ZA	2.638	26.38	3410.0	AC32 base G	1.296	12.96	1683.4
	AC22 bin D	0.677	6.77	881.4	AC16 surf S	0.470	4.70	614.6
	Rellenos	0.943	9.50	1183.5				

Istram 18.05.05.29 18/01/19 11:22:08 1880
PROYECTO :
EJE: 57: V^{de} de servicio Dch. P.K. 113+500

pagina 11

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1200.000	ZA	2.638		26.38	3436.4	AC32 base G	1.296		12.96	1696.4
	AC22 bin D	0.677		6.77	888.2	AC16 surf S	0.471		4.70	619.3
	Rellenos	0.956		9.47	1193.0					
1210.000	ZA	2.637		26.37	3462.8	AC32 base G	1.296		12.96	1709.4
	AC22 bin D	0.677		6.77	894.9	AC16 surf S	0.470		4.70	624.0
	Rellenos	0.959		9.56	1202.6					
1220.000	ZA	2.638		26.38	3489.2	AC32 base G	1.296		12.96	1722.3
	AC22 bin D	0.677		6.77	901.7	AC16 surf S	0.470		4.70	628.7
	Rellenos	0.956		9.57	1212.2					
1230.000	ZA	2.638		26.38	3515.5	AC32 base G	1.296		12.96	1735.3
	AC22 bin D	0.677		6.77	908.5	AC16 surf S	0.471		4.71	633.4
	Rellenos	0.962		9.59	1221.7					
1240.000	ZA	2.638		26.38	3541.9	AC32 base G	1.296		12.96	1748.2
	AC22 bin D	0.677		6.77	915.2	AC16 surf S	0.471		4.71	638.1
	Rellenos	0.967		9.64	1231.4					
1250.000	ZA	2.638		26.38	3568.3	AC32 base G	1.297		12.96	1761.2
	AC22 bin D	0.677		6.77	922.0	AC16 surf S	0.471		4.71	642.8
	Rellenos	0.940		9.53	1240.9					
1260.000	ZA	2.638		26.38	3594.7	AC32 base G	1.297		12.97	1774.2
	AC22 bin D	0.677		6.77	928.8	AC16 surf S	0.472		4.71	647.5
	Rellenos	0.995		9.67	1250.6					
1270.000	ZA	2.639		26.38	3621.1	AC32 base G	1.296		12.97	1787.1
	AC22 bin D	0.677		6.77	935.6	AC16 surf S	0.472		4.72	652.3
	Rellenos	1.463		12.29	1262.9					
1280.000	ZA	2.639		26.39	3647.4	AC32 base G	1.296		12.96	1800.1
	AC22 bin D	0.677		6.77	942.3	AC16 surf S	0.472		4.72	657.0
	Rellenos	1.463		14.63	1277.5					
1290.000	ZA	2.639		26.39	3673.8	AC32 base G	1.297		12.97	1813.1
	AC22 bin D	0.677		6.77	949.1	AC16 surf S	0.472		4.72	661.7
	Rellenos	1.463		14.63	1292.1					
1300.000	ZA	2.638		26.39	3700.2	AC32 base G	1.297		12.97	1826.0
	AC22 bin D	0.677		6.77	955.9	AC16 surf S	0.471		4.71	666.4
	Rellenos	0.962		12.12	1304.3					
1310.000	ZA	2.639		26.39	3726.6	AC32 base G	1.297		12.97	1839.0
	AC22 bin D	0.677		6.77	962.6	AC16 surf S	0.472		4.71	671.1
	Rellenos	1.126		10.44	1314.7					

	Rellenos	0.982	10.31	1336.0						1590.000	ZA	2.639	26.38	4465.2	AC32 base G	1.296	12.96	2201.9
1340.000	ZA	2.638	26.38	3805.8	AC32 base G	1.296	12.97	1877.9			AC22 bin D	0.677	6.77	1152.2	AC16 surf S	0.470	4.70	802.8
	AC22 bin D	0.677	6.77	982.9	AC16 surf S	0.471	4.71	685.3			Rellenos	0.994	9.38	1574.9				
1350.000	Rellenos	1.001	9.92	1346.0						1600.000	ZA	2.638	26.38	4491.6	AC32 base G	1.296	12.96	2214.9
	ZA	2.639	26.38	3832.1	AC32 base G	1.296	12.96	1890.9			AC22 bin D	0.677	6.77	1159.0	AC16 surf S	0.470	4.70	807.5
1360.000	AC22 bin D	0.677	6.77	989.7	AC16 surf S	0.471	4.71	690.0			Rellenos	0.889	9.39	1584.2				
	Rellenos	0.986	9.94	1355.9						1610.000	ZA	2.638	26.38	4518.0	AC32 base G	1.296	12.96	2227.9
1370.000	ZA	2.637	26.38	3858.5	AC32 base G	1.296	12.96	1903.8			AC22 bin D	0.677	6.77	1165.7	AC16 surf S	0.470	4.70	812.2
	AC22 bin D	0.677	6.77	996.5	AC16 surf S	0.471	4.71	694.7			Rellenos	0.925	9.04	1593.3				
1380.000	Rellenos	0.971	9.79	1365.7						1620.000	ZA	2.638	26.38	4544.4	AC32 base G	1.296	12.96	2240.8
	ZA	2.638	26.38	3884.9	AC32 base G	1.296	12.96	1916.8			AC22 bin D	0.677	6.77	1172.5	AC16 surf S	0.470	4.70	816.9
1390.000	AC22 bin D	0.677	6.77	1003.3	AC16 surf S	0.471	4.71	699.4			Rellenos	0.921	9.20	1602.5				
	Rellenos	0.955	9.63	1375.3						1630.000	ZA	2.638	26.38	4570.8	AC32 base G	1.296	12.96	2253.8
1400.000	ZA	2.637	26.37	3911.3	AC32 base G	1.296	12.96	1929.8			AC22 bin D	0.677	6.77	1179.3	AC16 surf S	0.470	4.70	821.6
	AC22 bin D	0.677	6.77	1010.0	AC16 surf S	0.471	4.71	704.1			Rellenos	0.917	9.16	1611.7				
1410.000	Rellenos	0.957	9.56	1384.9						1640.000	ZA	2.638	26.38	4597.2	AC32 base G	1.296	12.96	2266.7
	ZA	2.638	26.38	3937.6	AC32 base G	1.296	12.96	1942.7			AC22 bin D	0.677	6.77	1186.0	AC16 surf S	0.470	4.70	826.3
1420.000	AC22 bin D	0.677	6.77	1016.8	AC16 surf S	0.471	4.71	708.8			Rellenos	0.927	9.19	1620.8				
	Rellenos	1.010	9.83	1394.7						1650.000	ZA	2.637	26.37	4623.5	AC32 base G	1.296	12.96	2279.7
1430.000	ZA	2.638	26.38	3964.0	AC32 base G	1.296	12.96	1955.7			AC22 bin D	0.677	6.77	1192.8	AC16 surf S	0.470	4.70	831.0
	AC22 bin D	0.677	6.77	1023.6	AC16 surf S	0.471	4.71	713.5			Rellenos	0.927	9.25	1630.1				
1440.000	Rellenos	0.914	9.61	1404.3						1660.000	ZA	2.638	26.37	4649.9	AC32 base G	1.296	12.96	2292.7
	ZA	2.638	26.38	3990.4	AC32 base G	1.296	12.96	1968.6			AC22 bin D	0.677	6.77	1199.6	AC16 surf S	0.470	4.70	835.7
1450.000	AC22 bin D	0.677	6.77	1030.3	AC16 surf S	0.470	4.71	718.2			Rellenos	1.394	11.54	1641.6				
	Rellenos	0.924	9.17	1413.5						1670.000	ZA	2.637	26.37	4676.3	AC32 base G	1.296	12.96	2305.6
1460.000	ZA	2.638	26.38	4016.8	AC32 base G	1.296	12.96	1981.6			AC22 bin D	0.677	6.77	1206.4	AC16 surf S	0.470	4.70	840.4
	AC22 bin D	0.676	6.77	1037.1	AC16 surf S	0.470	4.70	722.9			Rellenos	0.927	11.54	1653.2				
1470.000	Rellenos	0.925	9.22	1422.7														
	ZA	2.638	26.38	4043.2	AC32 base G	1.296	12.96	1994.6		Istram 18.05.05.29 18/01/19 11:22:09 1880								
1480.000	AC22 bin D	0.677	6.77	1043.9	AC16 surf S	0.470	4.70	727.6		PROYECTO :								
	Rellenos	0.902	9.11	1431.8						EJE: 57: V微 de servicio Dch. P.K. 113+500								

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 57: V微 de servicio Dch. P.K. 113+500

pagina 13

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * ***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1440.000	ZA	2.638	26.38	4069.5	AC32 base G	1.296	12.96	2007.5	
	AC22 bin D	0.677	6.77	1050.6	AC16 surf S	0.470	4.70	732.3	
	Rellenos	0.884	8.91	1440.7					
1450.000	ZA	2.638	26.38	4095.9	AC32 base G	1.296	12.96	2020.5	
	AC22 bin D	0.677	6.77	1057.4	AC16 surf S	0.470	4.70	737.0	
	Rellenos	0.908	8.94	1449.7					
1460.000	ZA	2.638	26.38	4122.3	AC32 base G	1.296	12.96	2033.4	
	AC22 bin D	0.677	6.77	1064.2	AC16 surf S	0.470	4.70	741.7	
	Rellenos	0.917	9.10	1458.8					
1470.000	ZA	2.638	26.38	4148.7	AC32 base G	1.296	12.96	2046.4	
	AC22 bin D	0.677	6.77	1070.9	AC16 surf S	0.470	4.70	746.4	
	Rellenos	0.919	9.16	1467.9					
1480.000	ZA	2.638	26.38	4175.1	AC32 base G	1.296	12.96	2059.4	
	AC22 bin D	0.677	6.77	1077.7	AC16 surf S	0.470	4.70	751.1	
	Rellenos	0.906	9.10	1477.0					
1490.000	ZA	2.638	26.38	4201.4	AC32 base G	1.296	12.96	2072.3	
	AC22 bin D	0.677	6.77	1084.5	AC16 surf S	0.470	4.70	755.8	
	Rellenos	0.903	9.02	1486.0					
1500.000	ZA	2.638	26.38	4227.8	AC32 base G	1.296	12.96	2085.3	
	AC22 bin D	0.677	6.77	1091.3	AC16 surf S	0.470	4.70	760.5	
	Rellenos	0.926	9.12	1495.2					
1510.000	ZA	2.639	26.38	4254.2	AC32 base G	1.296	12.96	2098.2	
	AC22 bin D	0.677	6.77	1098.0	AC16 surf S	0.470	4.70	765.2	
	Rellenos	0.923	9.22	1504.4					
1520.000	ZA	2.639	26.39	4280.6	AC32 base G	1.296	12.96	2111.2	
	AC22 bin D	0.677	6.77	1104.8	AC16 surf S	0.469	4.70	769.9	
	Rellenos	0.900	9.09	1513.5					
1530.000	ZA	2.637	26.38	4307.0	AC32 base G	1.296	12.96	2124.2	
	AC22 bin D	0.677	6.77	1111.6	AC16 surf S	0.470	4.70	774.6	
	Rellenos	0.851	8.73	1522.2					
1540.000	ZA	2.638	26.38	4333.3	AC32 base G	1.296	12.96	2137.1	
	AC22 bin D	0.677	6.77	1118.3	AC16 surf S	0.470	4.70	779.3	
	Rellenos	0.852	8.50	1530.7					
1550.000	ZA	2.638	26.38	4359.7	AC32 base G	1.296	12.96	2150.1	
	AC22 bin D	0.677	6.77	1125.1	AC16 surf S	0.470	4.70	784.0	
	Rellenos	0.901	8.74	1539.4					

Istram 18.05.05.29 18/01/19 11:22:09 1880
PROYECTO :
EJE: 57: V微 de servicio Dch. P.K. 113+500

pagina 14

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * ***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1560.000	ZA	2.638	26.38	4386.1	AC32 base G	1.296	12.96	2163.1	
	AC22 bin D	0.677	6.77	1131.9	AC16 surf S	0.470	4.70	788.7	
	Rellenos	0.860	8.78	1548.2					
1570.000	ZA	2.638	26.38	4412.5	AC32 base G	1.296	12.96	2176.0	
	AC22 bin D	0.677	6.77	1138.7	AC16 surf S	0.470	4.70	793.4	
	Rellenos	0.854	8.55	1556.8					
1580.000	ZA	2.638	26.38	4438.9	AC32 base G	1.296	12.96	2189.0	
	AC22 bin D	0.677	6.77	1145.4	AC16 surf S	0.470	4.70	798.1	
	Rellenos	0.888	8.69	1565.5					

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1680.000	ZA	2.638	26.37	4702.6	AC32 base G	1.296	12.96	2318.6	
	AC22 bin D	0.677	6.77	1213.1	AC16 surf S	0.470	4.70	845.1	
	Rellenos	0.927	9.24	1662.4					
1690.000	ZA	2.638	26.38	4729.0	AC32 base G	1.296	12.96	2331.6	
	AC22 bin D	0.677	6.77	1219.9	AC16 surf S	0.470	4.70	849.8	
	Rellenos	0.927	9.24	1671.7					
1700.000	ZA	2.638	26.38	4755.4	AC32 base G	1.296	12.96	2344.5	
	AC22 bin D	0.677	6.77	1226.7	AC16 surf S	0.470	4.70	854.5	
	Rellenos	0.927	9.24	1680.9					
1710.000	ZA	2.637	26.37	4781.8	AC32 base G	1.296	12.96	2357.5	
	AC22 bin D	0.677	6.77	1233.4	AC16 surf S	0.470	4.70	859.2	
	Rellenos	0.927	9.24	1690.2					
1720.000	ZA	2.638	26.37	4808.1	AC32 base G	1.296	12.96	2370.4	
	AC22 bin D	0.677	6.77	1240.2	AC16 surf S	0.470	4.70	863.9	
	Rellenos	0.927	9.24	1699.4					
1730.000	ZA	2.638	26.38	4834.5	AC32 base G	1.296	12.96	2383.4	
	AC22 bin D	0.677	6.77	1247.0	AC16 surf S	0.470	4.70	868.6	
	Rellenos	0.927	9.24	1708.6					
1740.000	ZA	2.639	26.38	4860.9	AC32 base G	1.296	12.96	2396.4	
	AC22 bin D	0.677	6.77	1253.7	AC16 surf S	0.469	4.70	873.3	
	Rellenos	0.927	9.24	1717.9					
1750.000	ZA	2.637	26.38	4887.3	AC32 base G	1.296	12.96	2409.3	
	AC22 bin D	0.677	6.77	1260.5	AC16 surf S	0.470	4.70	878.0	
	Rellenos	0.927	9.25	1727.1					
1760.000	ZA	2.638	26.37	4913.7	AC32 base G	1.296	12.96	2422.3	
	AC22 bin D	0.677	6.77	1267.3	AC16 surf S	0.470	4.70	882.7	
	Rellenos	0.927	9.25	1736.4					
1770.000	ZA	2.638	26.38	4940.0	AC32 base G	1.296	12.96	2435.3	
	AC22 bin D	0.677	6.77	1274.1	AC16 surf S	0.470	4.70	887.4	
	Rellenos	0.927	9.24	1745.6					
1780.000	ZA	2.637	26.38	4966.4	AC32 base G	1.296	12.96	2448.2	
	AC22 bin D	0.677	6.77	1280.8	AC16 surf S	0.470	4.70	892.1	
	Rellenos	0.927	9.24	1754.9					
1790.000	ZA	2.638	26.37	4992.8	AC32 base G	1.296	12.96	2461.2	
	AC22 bin D	0.677	6.77	1287.6	AC16 surf S	0.470	4.70	896.8	
	Rellenos	0.927	9.24	1764.1					

1850.000	AC22 bin D	0.677	6.77	1321.4	AC16 surf S	0.470	4.70	920.3
	Rellenos	0.949	9.41	1810.5				
1860.000	AC22 bin D	2.638	26.38	5151.1	AC32 base G	1.296	12.96	2539.0
	Rellenos	0.677	6.77	1328.2	AC16 surf S	0.470	4.70	925.0
1870.000	AC22 bin D	0.961	9.54	1820.1				
	Rellenos	2.637	26.38	5177.4	AC32 base G	1.296	12.96	2551.9
1880.000	AC22 bin D	0.677	6.77	1335.0	AC16 surf S	0.471	4.70	929.7
	Rellenos	0.958	9.59	1829.7				
1890.000	AC22 bin D	2.637	26.37	5203.8	AC32 base G	1.296	12.96	2564.9
	Rellenos	0.677	6.77	1341.7	AC16 surf S	0.471	4.71	934.4
1900.000	AC22 bin D	0.955	9.56	1839.2				
	Rellenos	2.638	26.38	5230.2	AC32 base G	1.296	12.96	2577.8
1910.000	AC22 bin D	0.677	6.77	1348.5	AC16 surf S	0.470	4.71	939.1
	Rellenos	0.953	9.54	1848.8				
1920.000	AC22 bin D	2.638	26.38	5256.6	AC32 base G	1.296	12.96	2590.8
	Rellenos	0.677	6.77	1355.3	AC16 surf S	0.471	4.71	943.8
1930.000	AC22 bin D	0.952	9.53	1858.3				
	Rellenos	2.638	26.38	5282.9	AC32 base G	1.296	12.96	2603.8
1940.000	AC22 bin D	0.677	6.77	1362.1	AC16 surf S	0.471	4.71	948.5
	Rellenos	0.952	9.52	1867.8				
1950.000	AC22 bin D	2.637	26.38	5309.3	AC32 base G	1.296	12.96	2616.7
	Rellenos	0.677	6.77	1368.8	AC16 surf S	0.471	4.71	953.2
1960.000	AC22 bin D	0.953	9.53	1877.3				
	Rellenos							

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 17
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
1920.000	ZA	2.638	26.37	5335.7	AC32 base G	1.296	12.96	2629.7
	AC22 bin D	0.677	6.77	1375.6	AC16 surf S	0.471	4.71	957.9
1930.000	Rellenos	0.955	9.54	1886.9				
	ZA	2.637	26.37	5362.1	AC32 base G	1.296	12.96	2642.6
1940.000	AC22 bin D	0.677	6.77	1382.4	AC16 surf S	0.471	4.71	962.6
	Rellenos	0.959	9.56	1896.4				
1950.000	AC22 bin D	2.638	26.38	5388.4	AC32 base G	1.296	12.96	2655.6
	Rellenos	0.677	6.77	1389.1	AC16 surf S	0.470	4.71	967.3
1960.000	AC22 bin D	0.957	9.56	1906.0				
	ZA	2.637	26.38	5414.8	AC32 base G	1.297	12.96	2668.6
1970.000	AC22 bin D	0.677	6.77	1395.9	AC16 surf S	0.470	4.70	972.0
	Rellenos	0.944	9.48	1915.5				
1980.000	AC22 bin D	2.638	26.38	5441.2	AC32 base G	1.296	12.96	2681.5
	Rellenos	0.677	6.77	1402.7	AC16 surf S	0.470	4.70	976.7
1990.000	AC22 bin D	0.931	9.34	1924.8				
	ZA	2.638	26.38	5467.6	AC32 base G	1.296	12.96	2694.5
2000.000	AC22 bin D	0.677	6.77	1409.4	AC16 surf S	0.470	4.70	981.4
	Rellenos	0.922	9.23	1934.1				
2010.000	AC22 bin D	2.638	26.38	5494.0	AC32 base G	1.296	12.96	2707.4
	Rellenos	0.677	6.77	1416.2	AC16 surf S	0.470	4.70	986.1
2020.000	AC22 bin D	0.922	9.18	1943.2				
	ZA	2.638	26.38	5520.3	AC32 base G	1.296	12.96	2720.4
2030.000	AC22 bin D	0.676	6.77	1423.0	AC16 surf S	0.470	4.70	990.8
	Rellenos	0.922	9.18	1952.4				
2040.000	AC22 bin D	2.638	26.38	5546.7	AC32 base G	1.296	12.96	2733.4
	Rellenos	0.677	6.77	1429.7	AC16 surf S	0.470	4.70	995.5
2050.000	AC22 bin D	0.922	9.18	1961.6				
	ZA	2.638	26.38	5573.1	AC32 base G	1.296	12.96	2746.3
2060.000	AC22 bin D	0.677	6.77	1436.5	AC16 surf S	0.470	4.70	1000.2
	Rellenos	0.922	9.18	1970.8				
2070.000	AC22 bin D	2.637	26.38	5599.5	AC32 base G	1.297	12.96	2759.3
	Rellenos	0.677	6.77	1443.3	AC16 surf S	0.470	4.70	1004.9
2080.000	AC22 bin D	0.922	9.18	1980.0				
	ZA	2.638	26.38	5625.8	AC32 base G	1.296	12.96	2772.3
2090.000	AC22 bin D	0.677	6.77	1450.1	AC16 surf S	0.470	4.70	1009.6
	Rellenos	0.922	9.18	1989.1				

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 18
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
2040.000	ZA	2.638	26.38	5652.2	AC32 base G	1.296	12.96	2785.2
	AC22 bin D	0.677	6.77	1456.8	AC16 surf S	0.470	4.70	1014.3
2050.000	Rellenos	0.922	9.18	1998.3				
	ZA	2.638	26.38	5678.6	AC32 base G	1.296	12.96	2798.2
2060.000	AC22 bin D	0.677	6.77	1463.6	AC16 surf S	0.470	4.70	1019.0
	Rellenos	0.922	9.18	2007.5				
2070.000	AC22 bin D	2.638	26.38	5705.0	AC32 base G	1.296	12.96	2811.1
	Rellenos	0.677	6.77	1470.4	AC16 surf S	0.470	4.70	1023.7
2080.000	AC22 bin D	0.922	9.18	2016.7				
	ZA	2.638	26.38	5731.4	AC32 base G	1.296	12.96	2824.1
2090.000	AC22 bin D	0.677	6.77	1477.1	AC16 surf S	0.470	4.70	1028.4
	Rellenos	0.882	8.98	2025.7				
2100.000	AC22 bin D	2.638	26.38	5757.7	AC32 base G	1.296	12.96	2837.1
	Rellenos	0.677	6.77	1483.9	AC16 surf S	0.470	4.70	1033.1
2110.000	AC22 bin D	0.961	9.17	2034.8				
	ZA	2.638	26.38	5784.1	AC32 base G	1.296	12.96	2850.0
2120.000	AC22 bin D	0.677	6.77	1490.7	AC16 surf S	0.470	4.70	1037.8
	Rellenos							

2100.000	Rellenos	1.392	11.66	2046.5				
	ZA	2.638	26.38	5810.5	AC32 base G	1.296	12.96	2863.0
2110.000	AC22 bin D	0.677	6.77	1497.4	AC16 surf S	0.470	4.70	1042.5
	Rellenos	1.391	13.77	2060.3				
2120.000	AC22 bin D	2.638	26.38	5836.9	AC32 base G	1.296	12.96	2876.0
	Rellenos	0.677	6.77	1504.2	AC16 surf S	0.470	4.70	1047.2
2130.000	AC22 bin D	0.908	11.40	2071.7				
	ZA	2.637	26.38	5863.2	AC32 base G	1.297	12.96	2888.9
2140.000	AC22 bin D	0.677	6.77	1511.0	AC16 surf S	0.470	4.70	1051.9
	Rellenos	1.392	11.40	2083.1				
2150.000	AC22 bin D	2.638	26.38	5889.6	AC32 base G	1.296	12.96	2901.9
	Rellenos	0.677	6.77	1517.7	AC16 surf S	0.470	4.70	1056.6
2160.000	AC22 bin D	1.392	13.77	2096.8				
	ZA	2.638	26.38	5916.0	AC32 base G	1.296	12.96	2914.8
2170.000	AC22 bin D	0.677	6.77	1524.5	AC16 surf S	0.470	4.70	1061.3
	Rellenos	1.391	13.77	2110.6				
2180.000	AC22 bin D	2.638	26.38	5942.4	AC32 base G	1.296	12.96	2927.8
	Rellenos	0.677	6.77	1531.3	AC16 surf S	0.470	4.70	1066.0
2190.000	AC22 bin D	1.391	13.77	2124.4				
	ZA	2.638	26.38					

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 19
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
***** cubicacion segun distancias compensadas *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
2160.000	ZA	2.638		26.38	5968.7	AC32 base G	1.296		12.96 2940.8
	AC22 bin D	0.677		6.77	1538.0	AC16 surf S	0.470		4.70 1070.7
	Rellenos	1.391		13.77	2138.2				
2170.000	ZA	2.638		26.38	5995.1	AC32 base G	1.296		12.96 2953.7
	AC22 bin D	0.677		6.77	1544.8	AC16 surf S	0.470		4.70 1075.4
	Rellenos	1.391		13.77	2151.9				
2180.000	ZA	2.638		26.38	6021.5	AC32 base G	1.296		12.96 2966.7
	AC22 bin D	0.677		6.77	1551.6	AC16 surf S	0.470		4.70 1080.1
	Rellenos	1.395		13.79	2165.7				
2190.000	ZA	2.638		26.38	6047.9	AC32 base G	1.296		12.96 2979.6
	AC22 bin D	0.677		6.77	1558.3	AC16 surf S	0.470		4.70 1084.8
	Rellenos	1.401		13.86	2179.6				
2200.000	ZA	2.638		26.38	6074.3	AC32 base G	1.296		12.96 2992.6
	AC22 bin D	0.677		6.77	1565.1	AC16 surf S	0.470		4.70 1089.5
	Rellenos	1.407		13.94	2193.5				
2210.000	ZA	2.638		26.38	6100.6	AC32 base G	1.296		12.96 3005.6
	AC22 bin D	0.676		6.77	1571.9	AC16 surf S	0.470		4.70 1094.3
	Rellenos	0.909		11.54	2205.0				
2220.000	ZA	2.638		26.38	6127.0	AC32 base G	1.296		12.96 3018.5
	AC22 bin D	0.677		6.77	1578.6	AC16 surf S	0.471		4.71 1099.0
	Rellenos	1.064		9.86	2214.9				
2230.000	ZA	2.637		26.37	6153.4	AC32 base G	1.296		12.96 3031.5
	AC22 bin D	0.677		6.77	1585.4	AC16 surf S	0.471		4.71 1103.7
	Rellenos	1.388		12.24	2227.1				
2240.000	ZA	2.638		26.37	6179.8	AC32 base G	1.296		12.96 3044.5
	AC22 bin D	0.677		6.77	1592.2	AC16 surf S	0.471		4.71 1108.4
	Rellenos	1.410		13.98	2241.1				
2250.000	ZA	2.638		26.38	6206.2	AC32 base G	1.297		12.96 3057.4
	AC22 bin D	0.677		6.77	1599.0	AC16 surf S	0.471		4.71 1113.1
	Rellenos	1.174		12.92	2254.0				
2260.000	ZA	2.639		26.38	6232.5	AC32 base G	1.296		12.97 3070.4
	AC22 bin D	0.677		6.77	1605.7	AC16 surf S	0.472		4.72 1117.8
	Rellenos	1.032		11.03	2265.1				
2270.000	ZA	2.639		26.39	6258.9	AC32 base G	1.296		12.96 3083.3
	AC22 bin D	0.677		6.77	1612.5	AC16 surf S	0.472		4.72 1122.5
	Rellenos	1.016		10.24	2275.3				

2350.000	ZA	2.639	26.39	6470.0	AC32 base G	1.297	12.97	3187.1
	AC22 bin D	0.677	6.77	1666.7	AC16 surf S	0.472	4.72	1160.3
2360.000	Rellenos	1.028	10.25	2354.8				
	ZA	2.639	26.39	6496.4	AC32 base G	1.296	12.97	3200.0
2370.000	AC22 bin D	0.677	6.77	1673.4	AC16 surf S	0.472	4.72	1165.0
	Rellenos	1.021	10.24	2365.1				
2380.000	ZA	2.639	26.39	6522.8	AC32 base G	1.296	12.96	3213.0
	AC22 bin D	0.677	6.77	1680.2	AC16 surf S	0.472	4.72	1169.7
2390.000	Rellenos	1.030	10.25	2375.3				
	ZA	2.639	26.39	6549.2	AC32 base G	1.296	12.96	3226.0
2400.000	AC22 bin D	0.677	6.77	1687.0	AC16 surf S	0.472	4.72	1174.4
	Rellenos	1.030	10.30	2385.6				
2410.000	ZA	2.639	26.39	6575.6	AC32 base G	1.296	12.96	3238.9
	AC22 bin D	0.677	6.77	1693.8	AC16 surf S	0.471	4.72	1179.1
2420.000	Rellenos	1.016	10.23	2395.9				

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 21
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
2400.000	ZA	2.638	26.39	6602.0	AC32 base G	1.296	12.96	3251.9
	AC22 bin D	0.677	6.77	1700.5	AC16 surf S	0.471	4.71	1183.8
2410.000	Rellenos	0.990	10.03	2405.9				
	ZA	2.638	26.38	6628.3	AC32 base G	1.296	12.96	3264.9
2420.000	AC22 bin D	0.677	6.77	1707.3	AC16 surf S	0.471	4.71	1188.6
	Rellenos	0.966	9.78	2415.7				
2430.000	ZA	2.637	26.38	6654.7	AC32 base G	1.296	12.96	3277.8
	AC22 bin D	0.677	6.77	1714.1	AC16 surf S	0.471	4.71	1193.3
2440.000	Rellenos	0.955	9.60	2425.3				
	ZA	2.638	26.38	6681.1	AC32 base G	1.296	12.96	3290.8
2450.000	AC22 bin D	0.677	6.77	1720.8	AC16 surf S	0.471	4.71	1198.0
	Rellenos	0.955	9.55	2434.8				
2460.000	ZA	2.637	26.37	6707.5	AC32 base G	1.296	12.96	3303.7
	AC22 bin D	0.677	6.77	1727.6	AC16 surf S	0.471	4.71	1202.7
2470.000	Rellenos	0.955	9.55	2444.4				
	ZA	2.638	26.37	6733.8	AC32 base G	1.296	12.96	3316.7
2480.000	AC22 bin D	0.677	6.77	1734.4	AC16 surf S	0.471	4.71	1207.4
	Rellenos	0.955	9.55	2453.9				
2490.000	ZA	2.638	26.38	6760.2	AC32 base G	1.296	12.96	3329.7
	AC22 bin D	0.677	6.77	1741.1	AC16 surf S	0.470	4.70	1212.1
2500.000	Rellenos	0.955	9.55	2463.5				
	ZA	2.637	26.38	6786.6	AC32 base G	1.296	12.96	3342.6
2510.000	AC22 bin D	0.677	6.77	1747.9	AC16 surf S	0.471	4.70	1216.8
	Rellenos	0.955	9.55	2473.0				
2520.000	ZA	2.637	26.37	6813.0	AC32 base G	1.296	12.96	3355.6
	AC22 bin D	0.677	6.77	1754.7	AC16 surf S	0.471	4.71	1221.5
2530.000	Rellenos	0.956	9.55	2482.6				
	ZA	2.638	26.38	6839.3	AC32 base G	1.296	12.96	3368.6
2540.000	AC22 bin D	0.677	6.77	1761.4	AC16 surf S	0.471	4.71	1226.2
	Rellenos	0.956	9.56	2492.1				
2550.000	ZA	2.637	26.37	6865.7	AC32 base G	1.296	12.96	3381.5
	AC22 bin D	0.677	6.77	1768.2	AC16 surf S	0.471	4.71	1230.9
2560.000	Rellenos	0.956	9.56	2501.7				
	ZA	2.637	26.37	6892.1	AC32 base G	1.296	12.96	3394.5
2570.000	AC22 bin D	0.677	6.77	1775.0	AC16 surf S	0.471	4.71	1235.6
	Rellenos	0.957	9.56	2511.2				

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 22
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
2520.000	ZA	2.637	26.37	6918.5	AC32 base G	1.296	12.96	3407.4
	AC22 bin D	0.677	6.77	1781.7	AC16 surf S	0.471	4.71	1240.3
2530.000	Rellenos	0.842	8.99	2520.2				
	ZA	2.637	26.37	6944.8	AC32 base G	1.296	12.96	3420.4
2540.000	AC22 bin D	0.677	6.77	1788.5	AC16 surf S	0.471	4.71	1245.0
	Rellenos	0.941	8.92	2529.2				
2550.000	ZA	2.637	26.37	6971.2	AC32 base G	1.296	12.96	3433.4
	AC22 bin D	0.677	6.77	1795.3	AC16 surf S	0.471	4.71	1249.7
2560.000	Rellenos	1.714	13.27	2542.4				
	ZA	2.638	26.37	6997.6	AC32 base G	1.296	12.96	3446.3
2570.000	AC22 bin D	0.677	6.77	1802.1	AC16 surf S	0.471	4.71	1254.5
	Rellenos	1.404	15.59	2558.0				
2580.000	ZA	2.637	26.37	7023.9	AC32 base G	1.296	12.96	3459.3
	AC22 bin D	0.677	6.77	1808.8	AC16 surf S	0.471	4.71	1259.2
2590.000	Rellenos	1.240	13.23	2571.3				
	ZA	2.637	26.37	7050.3	AC32 base G	1.296	12.96	3472.3
2600.000	AC22 bin D	0.677	6.77	1815.6	AC16 surf S	0.471	4.71	1263.9
	Rellenos	1.326	12.84	2584.1				
2610.000	ZA	2.637	26.37	7076.7	AC32 base G	1.296	12.96	3485.2
	AC22 bin D	0.677	6.77	1822.4	AC16 surf S	0.471	4.71	1268.6
2620.000	Rellenos	1.326	13.27	2597.4				
	ZA	2.638	26.38	7103.1	AC32 base G	1.296	12.96	3498.2
2630.000	AC22 bin D	0.677	6.77	1829.1	AC16 surf S	0.471	4.71	1273.3
	Rellenos	1.325	13.27	2610.6				
2640.000	ZA	2.637	26.37	7129.4	AC32 base G	1.296	12.96	3511.1

2610.000	AC22 bin D	0.677	6.77	1835.9	AC16 surf S	0.471	4.71	1278.0
	Rellenos	1.326	13.27	2623.9				
2620.000	ZA	2.638	26.37	7155.8	AC32 base G	1.296	12.96	3524.1
	AC22 bin D	0.677	6.77	1842.7	AC16 surf S	0.471	4.71	1282.7
2630.000	Rellenos	1.326	13.27	2637.2				
	ZA	2.638	26.38	7182.2	AC32 base G	1.296	12.96	3537.1
2640.000	AC22 bin D	0.677	6.77	1849.5	AC16 surf S	0.471	4.71	1287.4
	Rellenos	1.325	13.27	2650.4				
2650.000	ZA	2.638	26.38	7208.6	AC32 base G	1.296	12.96	3550.0
	AC22 bin D	0.677	6.77	1856.2	AC16 surf S	0.471	4.71	1292.1
2660.000	Rellenos	1.326	13.27	2663.7				

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 23
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
2640.000	ZA	2.638		26.38	7234.9	AC32 base G	1.296	12.96 3563.0
	AC22 bin D	0.677		6.77	1863.0	AC16 surf S	0.471	4.71 1296.8
	Rellenos	1.326		13.27	2677.0			
2650.000	ZA	2.637		26.38	7261.3	AC32 base G	1.296	12.96 3575.9
	AC22 bin D	0.677		6.77	1869.8	AC16 surf S	0.471	4.71 1301.5
	Rellenos	1.326		13.27	2690.2			
2660.000	ZA	2.638		26.38	7287.7	AC32 base G	1.296	12.96 3588.9
	AC22 bin D	0.677		6.77	1876.5	AC16 surf S	0.471	4.71 1306.2
	Rellenos	1.325		13.27	2703.5			
2670.000	ZA	2.637		26.38	7314.1	AC32 base G	1.296	12.96 3601.9
	AC22 bin D	0.677		6.77	1883.3	AC16 surf S	0.471	4.71 1310.9
	Rellenos	1.325		13.27	2716.8			
2680.000	ZA	2.638		26.38	7340.4	AC32 base G	1.296	12.96 3614.8
	AC22 bin D	0.677		6.77	1890.1	AC16 surf S	0.471	4.71 1315.6
	Rellenos	1.325		13.27	2730.0			
2690.000	ZA	2.638		26.38	7366.8	AC32 base G	1.296	12.96 3627.8
	AC22 bin D	0.677		6.77	1896.8	AC16 surf S	0.471	4.71 1320.4
	Rellenos	1.326		13.27	2743.3			
2700.000	ZA	2.637		26.38	7393.2	AC32 base G	1.296	12.96 3640.8
	AC22 bin D	0.677		6.77	1903.6	AC16 surf S	0.471	4.71 1325.1
	Rellenos	1.326		13.27	2756.6			
2710.000	ZA	2.638		26.38	7419.6	AC32 base G	1.296	12.96 3653.7
	AC22 bin D	0.677		6.77	1910.4	AC16 surf S	0.471	4.71 1329.8
	Rellenos	1.325		13.27	2769.9			
2720.000	ZA	2.637		26.38	7446.0	AC32 base G	1.296	12.96 3666.7
	AC22 bin D	0.677		6.77	1917.2	AC16 surf S	0.471	4.71 1334.5
	Rellenos	1.325		13.27	2783.1			
2730.000	ZA	2.638		26.38	7472.3	AC32 base G	1.296	12.96 3679.6
	AC22 bin D	0.677		6.77	1923.9	AC16 surf S	0.471	4.71 1339.2
	Rellenos	1.325		13.27	2796.4			
2740.000	ZA	2.638		26.38	7498.7	AC32 base G	1.296	12.96 3692.6
	AC22 bin D	0.677		6.77	1930.7	AC16 surf S	0.471	4.71 1343.9
	Rellenos	1.326		13.27	2809.7			
2750.000	ZA	2.637		26.38	7525.1	AC32 base G	1.296	12.96 3705.6
	AC22 bin D	0.677		6.77	1937.5	AC16 surf S	0.471	4.71 1348.6
	Rellenos	1.326		13.27	2822.9			

	Rellenos	0.944	9.91	2950.8					
2860.000	ZA	2.638	26.38	7815.2	AC32 base G	1.296	12.96	3848.1	
	AC22 bin D	0.677	6.77	2011.9	AC16 surf S	0.471	4.71	1400.4	
	Rellenos	0.948	9.46	2960.3					
2870.000	ZA	2.638	26.38	7841.6	AC32 base G	1.296	12.96	3861.1	
	AC22 bin D	0.677	6.77	2018.7	AC16 surf S	0.471	4.71	1405.1	
	Rellenos	0.948	9.48	2969.7					

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 25
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
2880.000	ZA	2.638	26.38	7868.0	AC32 base G	1.296	12.96	3874.1	
	AC22 bin D	0.677	6.77	2025.5	AC16 surf S	0.471	4.71	1409.8	
	Rellenos	0.914	9.30	2979.0					
2890.000	ZA	2.638	26.38	7894.3	AC32 base G	1.296	12.96	3887.0	
	AC22 bin D	0.677	6.77	2032.2	AC16 surf S	0.471	4.71	1414.5	
	Rellenos	0.798	8.56	2987.6					
2900.000	ZA	2.638	26.38	7920.7	AC32 base G	1.296	12.96	3900.0	
	AC22 bin D	0.677	6.77	2039.0	AC16 surf S	0.470	4.70	1419.2	
	Rellenos	0.961	8.79	2996.4					
2910.000	ZA	2.637	26.38	7947.1	AC32 base G	1.296	12.96	3912.9	
	AC22 bin D	0.677	6.77	2045.8	AC16 surf S	0.471	4.71	1423.9	
	Rellenos	1.078	10.19	3006.6					
2920.000	ZA	2.637	26.37	7973.5	AC32 base G	1.296	12.96	3925.9	
	AC22 bin D	0.677	6.77	2052.5	AC16 surf S	0.470	4.71	1428.6	
	Rellenos	1.015	10.47	3017.0					
2930.000	ZA	2.638	26.38	7999.9	AC32 base G	1.296	12.96	3938.9	
	AC22 bin D	0.677	6.77	2059.3	AC16 surf S	0.471	4.70	1433.3	
	Rellenos	1.027	10.21	3027.3					
2940.000	ZA	2.638	26.38	8026.2	AC32 base G	1.296	12.96	3951.8	
	AC22 bin D	0.677	6.77	2066.1	AC16 surf S	0.471	4.71	1438.0	
	Rellenos	0.951	9.89	3037.2					
2950.000	ZA	2.637	26.37	8052.6	AC32 base G	1.296	12.96	3964.8	
	AC22 bin D	0.677	6.77	2072.8	AC16 surf S	0.471	4.71	1442.7	
	Rellenos	0.941	9.46	3046.6					
2960.000	ZA	2.638	26.38	8079.0	AC32 base G	1.296	12.96	3977.7	
	AC22 bin D	0.677	6.77	2079.6	AC16 surf S	0.470	4.70	1447.4	
	Rellenos	1.014	9.77	3056.4					
2970.000	ZA	2.638	26.38	8105.4	AC32 base G	1.296	12.96	3990.7	
	AC22 bin D	0.677	6.77	2086.4	AC16 surf S	0.470	4.70	1452.1	
	Rellenos	1.040	10.27	3066.7					
2980.000	ZA	2.638	26.38	8131.7	AC32 base G	1.296	12.96	4003.7	
	AC22 bin D	0.677	6.77	2093.2	AC16 surf S	0.471	4.71	1456.8	
	Rellenos	1.046	10.43	3077.1					
2990.000	ZA	2.638	26.38	8158.1	AC32 base G	1.296	12.96	4016.6	
	AC22 bin D	0.677	6.77	2099.9	AC16 surf S	0.471	4.71	1461.5	
	Rellenos	1.039	10.43	3087.5					

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 26
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
3000.000	ZA	2.637	26.37	8184.5	AC32 base G	1.296	12.96	4029.6	
	AC22 bin D	0.677	6.77	2106.7	AC16 surf S	0.471	4.71	1466.3	
	Rellenos	1.159	11.00	3098.5					
3010.000	ZA	2.638	26.37	8210.9	AC32 base G	1.296	12.96	4042.5	
	AC22 bin D	0.677	6.77	2113.5	AC16 surf S	0.471	4.71	1471.0	
	Rellenos	1.411	12.85	3111.4					
3020.000	ZA	2.638	26.38	8237.2	AC32 base G	1.296	12.96	4055.5	
	AC22 bin D	0.677	6.77	2120.2	AC16 surf S	0.470	4.71	1475.7	
	Rellenos	1.433	14.22	3125.6					
3030.000	ZA	2.638	26.38	8263.6	AC32 base G	1.296	12.96	4068.5	
	AC22 bin D	0.677	6.77	2127.0	AC16 surf S	0.471	4.71	1480.4	
	Rellenos	1.432	14.31	3139.9					
3040.000	ZA	2.638	26.38	8290.0	AC32 base G	1.296	12.96	4081.4	
	AC22 bin D	0.677	6.77	2133.8	AC16 surf S	0.471	4.71	1485.1	
	Rellenos	1.044	12.36	3152.3					
3050.000	ZA	2.638	26.38	8316.4	AC32 base G	1.296	12.96	4094.4	
	AC22 bin D	0.677	6.77	2140.5	AC16 surf S	0.471	4.71	1489.8	
	Rellenos	1.043	10.42	3162.7					
3060.000	ZA	2.638	26.38	8342.7	AC32 base G	1.296	12.96	4107.4	
	AC22 bin D	0.677	6.77	2147.3	AC16 surf S	0.470	4.70	1494.5	
	Rellenos	1.009	10.24	3172.9					
3070.000	ZA	2.638	26.38	8369.1	AC32 base G	1.296	12.96	4120.3	
	AC22 bin D	0.677	6.77	2154.1	AC16 surf S	0.471	4.70	1499.2	
	Rellenos	1.402	11.99	3184.9					
3080.000	ZA	2.638	26.38	8395.5	AC32 base G	1.296	12.96	4133.3	
	AC22 bin D	0.677	6.77	2160.9	AC16 surf S	0.470	4.70	1503.9	
	Rellenos	0.923	11.55	3196.5					
3090.000	ZA	2.638	26.38	8421.9	AC32 base G	1.296	12.96	4146.2	
	AC22 bin D	0.677	6.77	2167.6	AC16 surf S	0.470	4.70	1508.6	
	Rellenos	1.391	11.48	3207.9					
3100.000	ZA	2.638	26.38	8448.3	AC32 base G	1.296	12.96	4159.2	
	AC22 bin D	0.677	6.77	2174.4	AC16 surf S	0.469	4.70	1513.3	
	Rellenos	0.917	11.45	3219.4					

3110.000	ZA	2.638	26.38	8474.6	AC32 base G	1.296	12.96	4172.2
	AC22 bin D	0.677	6.77	2181.2	AC16 surf S	0.470	4.70	1518.0
	Rellenos	0.901	9.05	3228.4				

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 27
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
3120.000	ZA	2.638	26.38	8501.0	AC32 base G	1.296	12.96	4185.1	
	AC22 bin D	0.677	6.77	2187.9	AC16 surf S	0.470	4.70	1522.7	
	Rellenos	0.914	9.04	3237.5					
3130.000	ZA	2.638	26.38	8527.4	AC32 base G	1.296	12.96	4198.1	
	AC22 bin D	0.677	6.77	2194.7	AC16 surf S	0.470	4.70	1527.4	
	Rellenos	0.897	9.02	3246.5					
3140.000	ZA	2.638	26.38	8553.8	AC32 base G	1.296	12.96	4211.0	
	AC22 bin D	0.677	6.77	2201.5	AC16 surf S	0.470	4.70	1532.1	
	Rellenos	0.901	8.96	3255.5					
3150.000	ZA	2.638	26.38	8580.2	AC32 base G	1.296	12.96	4224.0	
	AC22 bin D	0.677	6.77	2208.2	AC16 surf S	0.470	4.70	1536.8	
	Rellenos	0.906	9.00	3264.5					
3160.000	ZA	2.637	26.38	8606.5	AC32 base G	1.297	12.96	4237.0	
	AC22 bin D	0.677	6.77	2215.0	AC16 surf S	0.470	4.70	1541.5	
	Rellenos	0.922	9.10	3273.6					
3170.000	ZA	2.638	26.38	8632.9	AC32 base G	1.296	12.96	4249.9	
	AC22 bin D	0.677	6.77	2221.8	AC16 surf S	0.470	4.70	1546.2	
	Rellenos	0.922	9.18	3282.7					
3180.000	ZA	2.637	26.38	8659.3	AC32 base G	1.296	12.96	4262.9	
	AC22 bin D	0.677	6.77	2228.5	AC16 surf S	0.470	4.70	1550.9	
	Rellenos	0.922	9.18	3291.9					
3190.000	ZA	2.638	26.38	8685.7	AC32 base G	1.296	12.96	4275.9	
	AC22 bin D	0.677	6.77	2235.3	AC16 surf S	0.470	4.70	1555.6	
	Rellenos	0.922	9.18	3301.1					
3200.000	ZA	2.638	26.38	8712.0	AC32 base G	1.296	12.96	4288.8	
	AC22 bin D	0.676	6.77	2242.1	AC16 surf S	0.470	4.70	1560.3	
	Rellenos	0.921	9.18	3310.3					
3210.000	ZA	2.638	26.38	8738.4	AC32 base G	1.296	12.96	4301.8	
	AC22 bin D	0.677	6.77	2248.8	AC16 surf S	0.470	4.70	1565.0	
	Rellenos	0.922	9.18	3319.5					
3220.000	ZA	2.638	26.38	8764.8	AC32 base G	1.296	12.96	4314.7	
	AC22 bin D	0.677	6.77	2255.6	AC16 surf S	0.470	4.70	1569.7	
	Rellenos	0.922	9.18	3328.6					
3230.000	ZA	2.638	26.38	8791.2	AC32 base G	1.296	12.96	4327.7	
	AC22 bin D	0.676	6.77	2262.4	AC16 surf S	0.470	4.70	1574.4	
	Rellenos	0.922	9.18	3337.8					

Istram 18.05.05.29 18/01/19 11:22:09 1880 pagina 28
PROYECTO :
EJE: 57: V de servicio Dch. P.K. 113+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
3240.000	ZA	2.637	26.38	8817.5	AC32 base G	1.297	12.96	4340.7	
	AC22 bin D	0.677	6.77	2269.2	AC16 surf S	0.470	4.70	1579.1	
	Rellenos	0.922	9.18	3347.0					
3250.000	ZA	2.638	26.37	8843.9	AC32 base G	1.296	12.96	4353.6	
	AC22 bin D	0.677	6.77	2275.9	AC16 surf S	0.470	4.70	1583.8	
	Rellenos	0.940	9.27	3356.3					
3260.000	ZA	2.698	26.68	8870.6	AC32 base G	1.328	13.12	4366.7	
	AC22 bin D	0.694	6.86	2282.8	AC16 surf S	0.483	4.76	1588.6	
	Rellenos	0.962	9.48	3365.7					
3270.000	ZA	3.740	32.21	8902.8	AC32 base G	1.869	16.00	4382.7	
	AC22 bin D	0.985	8.41	2291.2	AC16 surf S	0.691	5.87	1594.4	
	Rellenos	0.955	9.56	3375.3					
3280.000	ZA	6.353	50.65	8953.5	AC32 base G	3.226	25.57	4408.3	
	AC22 bin D	1.717	13.56	2304.7	AC16 surf S	1.213	9.56	1604.0	
	Rellenos	0.952	9.55	3384.9					
3281.848	ZA	6.684	12.12	8965.6	AC32 base G	3.400	6.16	4414.5	
	AC22 bin D	1.810	3.28	2308.0	AC16 surf S	1.280	2.32	1606.3	
	Rellenos	0.952	1.77	3386.6					

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA

0.000	ZA	2.750	0.00	0.0	0.0	AC32 base G	1.355	0.00	0.0
	AC22 bin D	0.708	0.00	0.0	0.0	AC16 surf S	0.493	0.00	0.0
	Rellenos	0.952	0.00	0.0					
10.000	ZA	2.750	27.50	27.5	AC32 base G	1.355	13.55	13.5	
	AC22 bin D	0.708	7.08	7.1	AC16 surf S	0.494	4.93	4.9	
	Rellenos	0.918	9.34						
20.000	ZA	2.750	27.50	55.0	AC32 base G	1.355	13.55	27.1	
	AC22 bin D	0.708	7.08	14.2	AC16 surf S	0.493	4.93	9.9	
	Rellenos	0.877	8.96	18.3					
30.000	ZA	2.751	27.50	82.5	AC32 base G	1.355	13.55	40.6	
	AC22 bin D	0.709	7.09	21.2	AC16 surf S	0.493	4.93	14.8	
	Rellenos	0.888	8.79	27.1					
40.000	ZA	2.751	27.50	110.0	AC32 base G	1.354	13.54	54.2	
	AC22 bin D	0.708	7.08	28.3	AC16 surf S	0.493	4.93	19.7	
	Rellenos	0.985	9.27	36.4					
50.000	ZA	2.750	27.50	137.5	AC32 base G	1.355	13.54	67.7	
	AC22 bin D	0.709	7.09	35.4	AC16 surf S	0.492	4.92	24.6	
	Rellenos	1.392	11.64	48.0					
60.000	ZA	2.750	27.50	165.0	AC32 base G	1.355	13.55	81.3	
	AC22 bin D	0.708	7.09	42.5	AC16 surf S	0.493	4.92	29.6	
	Rellenos	1.391	13.57	61.6					
70.000	ZA	2.751	27.50	192.5	AC32 base G	1.355	13.55	94.8	
	AC22 bin D	0.708	7.08	49.6	AC16 surf S	0.492	4.92	34.5	
	Rellenos	0.991	11.67	73.2					
80.000	ZA	2.750	27.50	220.0	AC32 base G	1.355	13.55	108.4	
	AC22 bin D	0.709	7.08	56.7	AC16 surf S	0.492	4.92	39.4	
	Rellenos	0.814	8.94	82.2					
90.000	ZA	2.750	27.50	247.5	AC32 base G	1.355	13.55	121.9	
	AC22 bin D	0.708	7.08	63.8	AC16 surf S	0.493	4.93	44.3	
	Rellenos	0.831	8.18	90.4					
100.000	ZA	2.750	27.50	275.0	AC32 base G	1.354	13.55	135.5	
	AC22 bin D	0.709	7.08	70.8	AC16 surf S	0.492	4.92	49.3	
	Rellenos	0.926	8.71	99.1					
110.000	ZA	2.737	27.43	302.5	AC32 base G	1.348	13.51	149.0	
	AC22 bin D	0.705	7.07	77.9	AC16 surf S	0.490	4.91	54.2	
	Rellenos	0.929	9.19	108.3					

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 2

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA

120.000	ZA	2.716	27.27	329.7	AC32 base G	1.337	13.43	162.4	
	AC22 bin D	0.699	7.02	84.9	AC16 surf S	0.486	4.88	59.0	
	Rellenos	0.875	8.97	117.2					
130.000	ZA	2.697	27.06	356.8	AC32 base G	1.327	13.32	175.7	
	AC22 bin D	0.693	6.96	91.9	AC16 surf S	0.482	4.84	63.9	
	Rellenos	0.920	8.95	126.2					
140.000	ZA	2.677	26.87	383.6	AC32 base G	1.316	13.21	188.9	
	AC22 bin D	0.688	6.91	98.8	AC16 surf S	0.478	4.80	68.7	
	Rellenos	0.947	9.32	135.5					
150.000	ZA	2.655	26.66	410.3	AC32 base G	1.306	13.11	202.1	
	AC22 bin D	0.682	6.85	105.6	AC16 surf S	0.474	4.76	73.5	
	Rellenos	0.953	9.50	145.0					
160.000	ZA	2.637	26.46	436.8	AC32 base G	1.296	13.01	215.1	
	AC22 bin D	0.677	6.80	112.4	AC16 surf S	0.471	4.72	78.2	
	Rellenos	0.953	9.53	154.5					
170.000	ZA	2.637	26.37	463.1	AC32 base G	1.296	12.96	228.0	
	AC22 bin D	0.677	6.77	119.2	AC16 surf S	0.471	4.71	82.9	
	Rellenos	0.954	9.53	164.0					
180.000	ZA	2.638	26.38	489.5	AC32 base G	1.296	12.96	241.0	
	AC22 bin D	0.677	6.77	126.0	AC16 surf S	0.471	4.71	87.6	
	Rellenos	0.954	9.54	173.6					
190.000	ZA	2.638	26.38	515.9	AC32 base G	1.296	12.96	253.9	
	AC22 bin D	0.677	6.77	132.8	AC16 surf S	0.471	4.71	92.3	
	Rellenos	0.955	9.54	183.1					
200.000	ZA	2.638	26.38	542.3	AC32 base G	1.296	12.96	266.9	
	AC22 bin D	0.677	6.77	139.5	AC16 surf S	0.471	4.71	97.0	
	Rellenos	0.954	9.54	192.7					
210.000	ZA	2.637	26.38	568.7	AC32 base G	1.296	12.96	279.9	
	AC22 bin D	0.677	6.77	146.3	AC16 surf S	0.470	4.70	101.7	
	Rellenos	0.955	9.55	202.2					
220.000	ZA	2.637	26.37	595.0	AC32 base G	1.296	12.96	292.8	
	AC22 bin D	0.677	6.77	153.1	AC16 surf S	0.471	4.71	106.4	
	Rellenos	0.955	9.55	211.8					
230.000	ZA	2.638	26.38	621.4	AC32 base G	1.296	12.96	305.8	
	AC22 bin D	0.677	6.77	159.8	AC16 surf S	0.471	4.71	111.1	
	Rellenos	0.954	9.54	221.3					

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 3

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

240.000	ZA	2.638	26.38	647.8	AC32 base G	1.296	12.96	318.8						
	AC22 bin D	0.677	6.77	166.6	AC16 surf S	0.471	4.71	115.8						
	Rellenos	0.955	9.54	230.9										
250.000	ZA	2.646	26.42	674.2	AC32 base G	1.301	12.98	331.7						
	AC22 bin D	0.680	6.78	173.4	AC16 surf S	0.472	4.71	120.5						
	Rellenos	0.956	9.55	240.4										
260.000	ZA	2.661	26.53	700.7	AC32 base G	1.308	13.04	344.8						
	AC22 bin D	0.683	6.82	180.2	AC16 surf S	0.475	4.74	125.3						
	Rellenos	0.959	9.57	250.0										
270.000	ZA	2.675	26.68	727.4	AC32 base G	1.316	13.12	357.9						
	AC22 bin D	0.687	6.85	187.0	AC16 surf S	0.478	4.76	130.0						
	Rellenos	0.957	9.56	259.5										
280.000	ZA	2.690	26.83	754.2	AC32 base G	1.323	13.19	371.1						
	AC22 bin D	0.691	6.89	193.9	AC16 surf S	0.480	4.79	134.8						
	Rellenos	0.945	9.48	269.0										
290.000	ZA	2.703	26.97	781.2	AC32 base G	1.330	13.26	384.4						
	AC22 bin D	0.696	6.94	200.9	AC16 surf S	0.483	4.81	139.6						
	Rellenos	0.925	9.31	278.3										
300.000	ZA	2.718	27.11	808.3	AC32 base G	1.338	13.34	397.7						
	AC22 bin D	0.699	6.97	207.8	AC16 surf S	0.486	4.85	144.5						
	Rellenos	0.897	9.05	287.4										
310.000	ZA	2.719	27.18	835.5	AC32 base G	1.338	13.38	411.1						
	AC22 bin D	0.700	6.99	214.8	AC16 surf S	0.486	4.86	149.4						
	Rellenos	0.872	8.79	296.2										
320.000	ZA	2.719	27.19	862.7	AC32 base G	1.338	13.38	424.5						
	AC22 bin D	0.700	7.00	221.8	AC16 surf S	0.486	4.86	154.2						
	Rellenos	0.852	8.57	304.7										
330.000	ZA	2.719	27.19	889.9	AC32 base G	1.339	13.38	437.9						
	AC22 bin D	0.700	7.00	228.8	AC16 surf S	0.486	4.86	159.1						
	Rellenos	0.835	8.39	313.1										
340.000	ZA	2.719	27.19	917.1	AC32 base G	1.339	13.39	451.2						
	AC22 bin D	0.700	7.00	235.8	AC16 surf S	0.486	4.86	163.9						
	Rellenos	0.815	8.21	321.3										
350.000	ZA	2.720	27.19	944.3	AC32 base G	1.339	13.39	464.6						
	AC22 bin D	0.699	6.99	242.8	AC16 surf S	0.486	4.86	168.8						
	Rellenos	0.844	8.26	329.6										

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 4

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

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PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.

360.000	ZA	2.714		27.17		971.4		AC32 base G	1.336		13.37		478.0	
	AC22 bin D	0.699		6.99		249.8		AC16 surf S	0.486		4.86		173.7	
	Rellenos	0.823		8.30		337.9								
370.000	ZA	2.701		27.07		998.5		AC32 base G	1.329		13.33		491.3	
	AC22 bin D	0.694		6.97		256.8		AC16 surf S	0.483		4.84		178.5	
	Rellenos	0.969		8.91		346.8								
380.000	ZA	2.687		26.94		1025.4		AC32 base G	1.322		13.25		504.6	
	AC22 bin D	0.690		6.92		263.7		AC16 surf S	0.481		4.82		183.3	
	Rellenos	1.410		11.79		358.6								
390.000	ZA	2.673		26.80		1052.2		AC32 base G	1.315		13.18		517.8	
	AC22 bin D	0.687		6.89		270.6		AC16 surf S	0.478		4.79		188.1	
	Rellenos	1.400		13.93		372.5								
400.000	ZA	2.659		26.66		1078.9		AC32 base G	1.308		13.11		530.9	
	AC22 bin D	0.683		6.85		277.4		AC16 surf S	0.475		4.76		192.9	
	Rellenos	1.390		13.87		386.4								
410.000	ZA	2.646		26.53		1105.4		AC32 base G	1.301		13.04		543.9	
	AC22 bin D	0.679		6.81		284.3		AC16 surf S	0.472		4.74		197.6	
	Rellenos	1.414		13.98		400.4								
420.000	ZA	2.638		26.42		1131.8		AC32 base G	1.296		12.99		556.9	
	AC22 bin D	0.677		6.78		291.0		AC16 surf S	0.471		4.72		202.3	
	Rellenos	1.439		14.25		414.6								
430.000	ZA	2.639		26.39		1158.2		AC32 base G	1.296		12.96		569.9	
	AC22 bin D	0.677		6.77		297.8		AC16 surf S	0.471		4.71		207.0	
	Rellenos	1.425		14.31		429.0								
440.000	ZA	2.639		26.39		1184.6		AC32 base G	1.296		12.96		582.8	
	AC22 bin D	0.677		6.77		304.6		AC16 surf S	0.472		4.72		211.8	
	Rellenos	1.550		14.87		443.8								
450.000	ZA	2.639		26.39		1211.0		AC32 base G	1.296		12.96		595.8	
	AC22 bin D	0.677		6.77		311.4		AC16 surf S	0.472		4.72		216.5	
	Rellenos	1.627		15.88		459.7								
460.000	ZA	2.639		26.39		1237.4		AC32 base G	1.297		12.97		608.8	
	AC22 bin D	0.677		6.77		318.1		AC16 surf S	0.472		4.72		221.2	
	Rellenos	1.462		15.45		475.2								
470.000	ZA	2.639		26.39		1263.8		AC32 base G	1.296		12.97		621.7	
	AC22 bin D	0.677		6.77		324.9		AC16 surf S	0.472		4.72		225.9	
	Rellenos	1.607		15.35		490.5								

490.000	Rellenos	1.474	15.41	505.9						740.000	ZA	2.638	26.38	1976.3	AC32 base G	1.297	12.97	971.8
	ZA	2.640	26.39	1316.6	AC32 base G	1.296	12.96	647.7			AC22 bin D	0.677	6.77	507.7	AC16 surf S	0.471	4.72	353.3
500.000	AC22 bin D	0.677	6.77	338.4	AC16 surf S	0.471	4.72	235.3		750.000	Rellenos	0.962	9.53	786.7				
	Rellenos	1.474	14.75	520.7							ZA	2.639	26.39	2002.6	AC32 base G	1.296	12.97	984.8
510.000	ZA	2.638	26.39	1342.9	AC32 base G	1.297	12.97	660.6			AC22 bin D	0.677	6.77	514.5	AC16 surf S	0.472	4.72	358.0
	AC22 bin D	0.677	6.77	345.2	AC16 surf S	0.472	4.72	240.1		760.000	Rellenos	0.968	9.65	796.4				
520.000	Rellenos	1.532	15.04	535.7							ZA	2.639	26.39	2029.0	AC32 base G	1.297	12.97	997.7
	ZA	2.639	26.38	1369.3	AC32 base G	1.297	12.97	673.6			AC22 bin D	0.677	6.77	521.3	AC16 surf S	0.472	4.72	362.7
530.000	AC22 bin D	0.677	6.77	352.0	AC16 surf S	0.472	4.72	244.8		770.000	Rellenos	0.969	9.68	806.1				
	Rellenos	1.645	15.89	551.6							ZA	2.639	26.39	2055.4	AC32 base G	1.297	12.97	1010.7
540.000	ZA	2.639	26.39	1395.7	AC32 base G	1.296	12.97	686.6			AC22 bin D	0.677	6.77	528.0	AC16 surf S	0.472	4.72	367.4
	AC22 bin D	0.677	6.77	358.8	AC16 surf S	0.472	4.72	249.5		780.000	Rellenos	1.006	9.87	815.9				
550.000	Rellenos	1.461	15.54	567.1							ZA	2.639	26.39	2081.8	AC32 base G	1.297	12.97	1023.7
	ZA	2.639	26.39	1422.1	AC32 base G	1.296	12.96	699.5			AC22 bin D	0.677	6.77	534.8	AC16 surf S	0.472	4.72	372.1
560.000	AC22 bin D	0.677	6.77	365.5	AC16 surf S	0.472	4.72	254.2		790.000	Rellenos	1.007	10.06	826.0				
	Rellenos	1.019	12.40	579.5							ZA	2.638	26.39	2108.2	AC32 base G	1.297	12.97	1036.6
570.000	ZA	2.640	26.39	1448.5	AC32 base G	1.296	12.96	712.5			AC22 bin D	0.677	6.77	541.6	AC16 surf S	0.471	4.72	376.9
	AC22 bin D	0.677	6.77	372.3	AC16 surf S	0.471	4.72	258.9		800.000	Rellenos	0.997	10.02	836.0				
580.000	Rellenos	1.001	10.10	589.6							ZA	2.639	26.39	2134.6	AC32 base G	1.296	12.97	1049.6
	ZA	2.638	26.39	1474.9	AC32 base G	1.297	12.97	725.5			AC22 bin D	0.677	6.77	548.3	AC16 surf S	0.472	4.72	381.6
590.000	AC22 bin D	0.677	6.77	379.1	AC16 surf S	0.472	4.72	263.7		810.000	Rellenos	0.983	9.90	845.9				
	Rellenos	0.968	9.84	599.5							ZA	2.639	26.39	2161.0	AC32 base G	1.297	12.97	1062.6
590.000	ZA	2.639	26.38	1501.3	AC32 base G	1.297	12.97	738.4			AC22 bin D	0.677	6.77	555.1	AC16 surf S	0.472	4.72	386.3
	AC22 bin D	0.677	6.77	385.8	AC16 surf S	0.472	4.72	268.4		820.000	Rellenos	0.977	9.80	855.7				
590.000	Rellenos	0.982	9.75	609.2							ZA	2.639	26.39	2187.4	AC32 base G	1.297	12.97	1075.5
	ZA	2.639	26.39	1527.7	AC32 base G	1.296	12.97	751.4			AC22 bin D	0.677	6.77	561.9	AC16 surf S	0.472	4.72	391.0
590.000	AC22 bin D	0.677	6.77	392.6	AC16 surf S	0.472	4.72	273.1		830.000	Rellenos	0.980	9.79	865.5				
	Rellenos	1.002	9.92	619.2							ZA	2.639	26.39	2213.7	AC32 base G	1.297	12.97	1088.5
590.000	ZA	2.639	26.39	1554.0	AC32 base G	1.296	12.96	764.4			AC22 bin D	0.677	6.77	568.7	AC16 surf S	0.472	4.72	395.7
	AC22 bin D	0.677	6.77	399.4	AC16 surf S	0.472	4.72	277.8			Rellenos	0.993	9.86	875.4				
590.000	Rellenos	1.009	10.06	629.2						Istram 18.05.05.29 18/01/19 11:22:10 1880								pagina 8
	ZA	2.639	26.39	1580.4	AC32 base G	1.296	12.96	777.3		PROYECTO :								
590.000	AC22 bin D	0.677	6.77	406.1	AC16 surf S	0.472	4.72	282.5		EJE: 75: V微 de servicio Dch. P.K. 116+500								
	Rellenos	1.021	10.15	639.4														

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 6
PROYECTO :
EJE: 75: V微 de servicio Dch. P.K. 116+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
600.000	ZA	2.639	26.39	1606.8	AC32 base G	1.297	12.97	790.3	
	AC22 bin D	0.677	6.77	412.9	AC16 surf S	0.471	4.71	287.2	
610.000	Rellenos	1.019	10.20	649.6					
	ZA	2.639	26.39	1633.2	AC32 base G	1.297	12.97	803.3	
	AC22 bin D	0.677	6.77	419.7	AC16 surf S	0.472	4.71	292.0	
620.000	Rellenos	1.013	10.16	659.7					
	ZA	2.639	26.39	1659.6	AC32 base G	1.296	12.97	816.2	
	AC22 bin D	0.677	6.77	426.5	AC16 surf S	0.472	4.72	296.7	
630.000	Rellenos	1.022	10.18	669.9					
	ZA	2.639	26.39	1686.0	AC32 base G	1.296	12.96	829.2	
	AC22 bin D	0.677	6.77	433.2	AC16 surf S	0.472	4.72	301.4	
640.000	Rellenos	1.005	10.14	680.0					
	ZA	2.639	26.39	1712.4	AC32 base G	1.296	12.96	842.1	
	AC22 bin D	0.677	6.77	440.0	AC16 surf S	0.472	4.72	306.1	
650.000	Rellenos	0.943	9.74	689.8					
	ZA	2.639	26.39	1738.8	AC32 base G	1.296	12.96	855.1	
	AC22 bin D	0.677	6.77	446.8	AC16 surf S	0.472	4.72	310.8	
660.000	Rellenos	0.951	9.47	699.3					
	ZA	2.639	26.39	1765.2	AC32 base G	1.296	12.96	868.1	
	AC22 bin D	0.677	6.77	453.6	AC16 surf S	0.472	4.72	315.5	
670.000	Rellenos	0.990	9.70	709.0					
	ZA	2.639	26.39	1791.5	AC32 base G	1.296	12.96	881.0	
	AC22 bin D	0.677	6.77	460.3	AC16 surf S	0.471	4.72	320.3	
680.000	Rellenos	1.006	9.98	718.9					
	ZA	2.639	26.39	1817.9	AC32 base G	1.296	12.96	894.0	
	AC22 bin D	0.677	6.77	467.1	AC16 surf S	0.472	4.72	325.0	
690.000	Rellenos	1.128	10.67	729.6					
	ZA	2.640	26.39	1844.3	AC32 base G	1.296	12.96	907.0	
	AC22 bin D	0.677	6.77	473.9	AC16 surf S	0.471	4.72	329.7	
700.000	Rellenos	0.856	9.92	739.5					
	ZA	2.639	26.39	1870.7	AC32 base G	1.296	12.96	919.9	
	AC22 bin D	0.677	6.77	480.6	AC16 surf S	0.472	4.72	334.4	
710.000	Rellenos	0.969	9.12	748.6					
	ZA	2.639	26.39	1897.1	AC32 base G	1.297	12.97	932.9	
	AC22 bin D	0.677	6.77	487.4	AC16 surf S	0.472	4.72	339.1	
	Rellenos	0.908	9.38	758.0					

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 7
PROYECTO :
EJE: 75: V微 de servicio Dch. P.K. 116+500

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL
720.000	ZA	2.639	26.39	1923.5	AC32 base G	1.297	12.97	945.9	
	AC22 bin D	0.677	6.77	494.2	AC16 surf S	0.472	4.72	343.8	
730.000	Rellenos	0.992	9.50	767.5					
	ZA	2.639	26.39	1949.9	AC32 base G	1.297	12.97	958.8	
	AC22 bin D	0.677	6.77	501.0	AC16 surf S	0.472	4.72	348.6	
	Rellenos	0.945	9.69	777.2					

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****										
***** CAPAS DE FIRME*****										
***** cubicacion segun distancias compensadas*****										
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PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

840.000	ZA	2.638		26.39	2240.1	AC32 base G	1.297		12.97	1101.5
	AC22 bin D	0.677		6.77	575.4	AC16 surf S	0.471		4.72	400.4
	Rellenos	0.995		9.94	885.3					
850.000	ZA	2.639		26.39	2266.5	AC32 base G	1.296		12.97	1114.4
	AC22 bin D	0.677		6.77	582.2	AC16 surf S	0.472		4.72	405.2
	Rellenos	0.955		9.75	895.1					
860.000	ZA	2.639		26.39	2292.9	AC32 base G	1.297		12.97	1127.4
	AC22 bin D	0.677		6.77	589.0	AC16 surf S	0.472		4.72	409.9
	Rellenos	0.887		9.21	904.3					
870.000	ZA	2.638		26.39	2319.3	AC32 base G	1.297		12.97	1140.4
	AC22 bin D	0.677		6.77	595.7	AC16 surf S	0.471		4.71	414.6
	Rellenos	1.109		9.98	914.3					
880.000	ZA	2.639		26.39	2345.7	AC32 base G	1.296		12.97	1153.3
	AC22 bin D	0.677		6.77	602.5	AC16 surf S	0.472		4.72	419.3
	Rellenos	0.987		10.48	924.7					
890.000	ZA	2.639		26.39	2372.1	AC32 base G	1.296		12.96	1166.3
	AC22 bin D	0.677		6.77	609.3	AC16 surf S	0.472		4.72	424.0
	Rellenos	0.925		9.56	934.3					
900.000	ZA	2.639		26.39	2398.5	AC32 base G	1.296		12.96	1179.3
	AC22 bin D	0.677		6.77	616.1	AC16 surf S	0.472		4.72	428.7
	Rellenos	0.952		9.38	943.7					
910.000	ZA	2.639		26.39	2424.8	AC32 base G	1.296		12.96	1192.2
	AC22 bin D	0.677		6.77	622.8	AC16 surf S	0.472		4.72	433.5
	Rellenos	0.958		9.55	953.2					
920.000	ZA	2.639		26.39	2451.2	AC32 base G	1.297		12.97	1205.2
	AC22 bin D	0.677		6.77	629.6	AC16 surf S	0.472		4.72	438.2
	Rellenos	0.936		9.47	962.7					
930.000	ZA	2.639		26.39	2477.6	AC32 base G	1.297		12.97	1218.2
	AC22 bin D	0.677		6.77	636.4	AC16 surf S	0.472		4.72	442.9
	Rellenos	0.993		9.65	972.3					
940.000	ZA	2.639		26.39	2504.0	AC32 base G	1.296		12.97	1231.1
	AC22 bin D	0.677		6.77	643.1	AC16 surf S	0.472		4.72	447.6
	Rellenos	1.012		10.03	982.4					
950.000	ZA	2.638		26.39	2530.4	AC32 base G	1.297		12.97	1244.1
	AC22 bin D	0.677		6.77	649.9	AC16 surf S	0.471		4.72	452.3
	Rellenos	1.020		10.16	992.5					

1000.000	AC22 bin D	0.677	6.77	677.0	AC16 surf S	0.472	4.72	471.2
	Rellenos	1.030	10.30	1033.7				
	ZA	2.639	26.39	2662.3	AC32 base G	1.297	12.97	1308.9
1010.000	AC22 bin D	0.677	6.77	683.8	AC16 surf S	0.472	4.72	475.9
	Rellenos	1.030	10.30	1044.0				
	ZA	2.638	26.39	2688.7	AC32 base G	1.297	12.97	1321.9
1020.000	AC22 bin D	0.677	6.77	690.5	AC16 surf S	0.471	4.71	480.6
	Rellenos	1.028	10.29	1054.2				
	ZA	2.639	26.39	2715.1	AC32 base G	1.296	12.97	1334.9
1030.000	AC22 bin D	0.677	6.77	697.3	AC16 surf S	0.472	4.72	485.3
	Rellenos	1.016	10.22	1064.5				
	ZA	2.639	26.39	2741.5	AC32 base G	1.297	12.97	1347.9
1040.000	AC22 bin D	0.677	6.77	704.1	AC16 surf S	0.472	4.72	490.1
	Rellenos	1.029	10.22	1074.7				
	ZA	2.639	26.39	2767.9	AC32 base G	1.297	12.97	1360.8
1050.000	AC22 bin D	0.677	6.77	710.8	AC16 surf S	0.472	4.72	494.8
	Rellenos	1.019	10.24	1084.9				
	ZA	2.639	26.39	2794.3	AC32 base G	1.296	12.97	1373.8
1060.000	AC22 bin D	0.677	6.77	717.6	AC16 surf S	0.472	4.72	499.5
	Rellenos	1.006	10.13	1095.1				
	ZA	2.639	26.39	2820.7	AC32 base G	1.296	12.96	1386.7
1070.000	AC22 bin D	0.677	6.77	724.4	AC16 surf S	0.472	4.72	504.2
	Rellenos	0.983	9.95	1105.0				
	ZA	2.639	26.39	2847.0	AC32 base G	1.296	12.96	1399.7
	AC22 bin D	0.677	6.77	731.2	AC16 surf S	0.472	4.72	508.9
	Rellenos	0.963	9.73	1114.7				

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 10
PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1080.000	ZA	2.638		26.38	2873.4	AC32 base G	1.297		12.97	1412.7
	AC22 bin D	0.677		6.77	737.9	AC16 surf S	0.472		4.72	513.7
	Rellenos	0.950		9.57	1124.3					
1090.000	ZA	2.639		26.38	2899.8	AC32 base G	1.297		12.97	1425.6
	AC22 bin D	0.677		6.77	744.7	AC16 surf S	0.472		4.72	518.4
	Rellenos	0.957		9.54	1133.8					
1100.000	ZA	2.639		26.39	2926.2	AC32 base G	1.296		12.97	1438.6
	AC22 bin D	0.677		6.77	751.5	AC16 surf S	0.472		4.72	523.1
	Rellenos	0.966		9.62	1143.5					
1110.000	ZA	2.639		26.39	2952.6	AC32 base G	1.297		12.97	1451.6
	AC22 bin D	0.677		6.77	758.2	AC16 surf S	0.472		4.72	527.8
	Rellenos	0.978		9.72	1153.2					
1120.000	ZA	2.638		26.39	2979.0	AC32 base G	1.297		12.97	1464.6
	AC22 bin D	0.677		6.77	765.0	AC16 surf S	0.471		4.71	532.5
	Rellenos	0.997		9.88	1163.1					
1130.000	ZA	2.639		26.39	3005.4	AC32 base G	1.297		12.97	1477.5
	AC22 bin D	0.677		6.77	771.8	AC16 surf S	0.472		4.71	537.2
	Rellenos	1.021		10.09	1173.1					
1140.000	ZA	2.639		26.39	3031.7	AC32 base G	1.296		12.97	1490.5
	AC22 bin D	0.677		6.77	778.6	AC16 surf S	0.472		4.72	542.0
	Rellenos	1.030		10.25	1183.4					
1150.000	ZA	2.639		26.39	3058.1	AC32 base G	1.296		12.96	1503.5
	AC22 bin D	0.677		6.77	785.3	AC16 surf S	0.471		4.72	546.7
	Rellenos	1.028		10.29	1193.7					
1160.000	ZA	2.639		26.39	3084.5	AC32 base G	1.296		12.96	1516.4
	AC22 bin D	0.677		6.77	792.1	AC16 surf S	0.472		4.72	551.4
	Rellenos	1.023		10.26	1203.9					
1170.000	ZA	2.638		26.39	3110.9	AC32 base G	1.297		12.97	1529.4
	AC22 bin D	0.677		6.77	798.9	AC16 surf S	0.471		4.72	556.1
	Rellenos	1.022		10.23	1214.2					
1180.000	ZA	2.639		26.39	3137.3	AC32 base G	1.296		12.97	1542.4
	AC22 bin D	0.677		6.77	805.6	AC16 surf S	0.472		4.72	560.8
	Rellenos	1.025		10.24	1224.4					
1190.000	ZA	2.640		26.39	3163.7	AC32 base G	1.296		12.96	1555.3
	AC22 bin D	0.677		6.77	812.4	AC16 surf S	0.471		4.72	565.5
	Rellenos	1.030		10.27	1234.7					

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 11
PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1200.000	ZA	2.639		26.39	3190.1	AC32 base G	1.296		12.96	1568.3
	AC22 bin D	0.677		6.77	819.2	AC16 surf S	0.471		4.71	570.2
	Rellenos	1.028		10.29	1245.0					
1210.000	ZA	2.639		26.39	3216.5	AC32 base G	1.297		12.97	1581.2
	AC22 bin D	0.677		6.77	826.0	AC16 surf S	0.472		4.71	575.0
	Rellenos	1.462		12.45	1257.4					
1220.000	ZA	2.639		26.39	3242.9	AC32 base G	1.296		12.97	1594.2
	AC22 bin D	0.677		6.77	832.7	AC16 surf S	0.471		4.71	579.7
	Rellenos	1.463		14.63	1272.0					
1230.000	ZA	2.639		26.39	3269.2	AC32 base G	1.296		12.96	1607.2
	AC22 bin D	0.677		6.77	839.5	AC16 surf S	0.472		4.72	584.4
	Rellenos	1.462		14.63	1286.7					
1240.000	ZA	2.639		26.39	3295.6	AC32 base G	1.296		12.96	1620.1
	AC22 bin D	0.677		6.77	846.3	AC16 surf S	0.472		4.72	589.1

1250.000	Rellenos	1.462	14.62	1301.3				
	ZA	2.639	26.39	3322.0	AC32 base G	1.296	12.96	1633.1
	AC22 bin D	0.677	6.77	853.0	AC16 surf S	0.472	4.72	593.8
1260.000	Rellenos	1.462	14.62	1315.9				
	ZA	2.639	26.39	3348.4	AC32 base G	1.297	12.97	1646.1
	AC22 bin D	0.677	6.77	859.8	AC16 surf S	0.472	4.72	598.5
1270.000	Rellenos	1.463	14.62	1330.5				
	ZA	2.640	26.39	3374.8	AC32 base G	1.297	12.97	1659.0
	AC22 bin D	0.677	6.77	866.6	AC16 surf S	0.471	4.71	603.3
1280.000	Rellenos	1.462	14.62	1345.2				
	ZA	2.639	26.39	3401.2	AC32 base G	1.296	12.97	1672.0
	AC22 bin D	0.677	6.77	873.4	AC16 surf S	0.472	4.72	608.0
1290.000	Rellenos	1.462	14.62	1359.8				
	ZA	2.639	26.39	3427.6	AC32 base G	1.296	12.96	1685.0
	AC22 bin D	0.677	6.77	880.1	AC16 surf S	0.472	4.72	612.7
1300.000	Rellenos	1.462	14.62	1374.4				
	ZA	2.639	26.39	3454.0	AC32 base G	1.296	12.96	1697.9
	AC22 bin D	0.677	6.77	886.9	AC16 surf S	0.472	4.72	617.4
1310.000	Rellenos	1.462	14.62	1389.0				
	ZA	2.639	26.39	3480.4	AC32 base G	1.297	12.97	1710.9
	AC22 bin D	0.677	6.77	893.7	AC16 surf S	0.472	4.72	622.1
	Rellenos	1.463	14.62	1403.7				

Istram 18.05.05.29 18/01/19 11:22:10 1880 pagina 12
PROYECTO :
EJE: 75: V de servicio Dch. P.K. 116+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1320.000	ZA	2.640		26.39	3506.7	AC32 base G	1.297		12.97	1723.9
	AC22 bin D	0.677		6.77	900.4	AC16 surf S	0.471		4.71	626.8
	Rellenos	1.462		14.62	1418.3					
1330.000	ZA	2.639		26.39	3533.1	AC32 base G	1.296		12.97	1736.8
	AC22 bin D	0.677		6.77	907.2	AC16 surf S	0.472		4.72	631.6
	Rellenos	1.462		14.62	1432.9					
1340.000	ZA	2.639		26.39	3559.5	AC32 base G	1.296		12.96	1749.8
	AC22 bin D	0.677		6.77	914.0	AC16 surf S	0.472		4.72	636.3
	Rellenos	1.462		14.62	1447.5					
1350.000	ZA	2.639		26.39	3585.9	AC32 base G	1.296		12.96	1762.8
	AC22 bin D	0.677		6.77	920.8	AC16 surf S	0.472		4.72	641.0
	Rellenos	1.462		14.62	1462.2					
1360.000	ZA	2.639		26.39	3612.3	AC32 base G	1.297		12.97	1775.7
	AC22 bin D	0.677		6.77	927.5	AC16 surf S	0.472		4.72	645.7
	Rellenos	1.197		13.30	1475.5					
1370.000	ZA	2.640		26.39	3638.7	AC32 base G	1.297		12.97	1788.7
	AC22 bin D	0.677		6.77	934.3	AC16 surf S	0.471		4.71	650.4
	Rellenos	1.462		13.30	1488.8					
1380.000	ZA	2.639		26.39	3665.1	AC32 base G	1.296		12.97	1801.7
	AC22 bin D	0.677		6.77	941.1	AC16 surf S	0.472		4.72	655.1
	Rellenos	1.051		12.56	1501.3					
1390.000	ZA	2.639		26.39	3691.5	AC32 base G	1.296		12.96	1814.6
	AC22 bin D	0.677		6.77	947.8	AC16 surf S	0.472		4.72	659.9
	Rellenos	0.987		10.19	1511.5					
1400.000	ZA	2.639		26.39	3717.9	AC32 base G	1.296		12.96	1827.6
	AC22 bin D	0.677		6.77	954.6	AC16 surf S	0.472		4.72	664.6
	Rellenos	1.004		9.95	1521.5					
1410.000	ZA	2.639		26.39	3744.2	AC32 base G	1.297		12.97	1840.6
	AC22 bin D	0.677		6.77	961.4	AC16 surf S	0.472		4.72	669.3
	Rellenos	1.018		10.11	1531.6					
1420.000	ZA	2.640		26.39	3770.6	AC32 base G	1.297		12.97	1853.5
	AC22 bin D	0.677		6.77	968.2	AC16 surf S	0.471		4.71	674.0
	Rellenos	1.025		10.21	1541.8					
1430.000	ZA	2.639		26.39	3797.0	AC32 base G	1.296		12.97	1866.5
	AC22 bin D	0.677		6.77	974.9	AC16 surf S	0.472		4.72	678.7
	Rellenos	1.023		10.24	1552.0					

1500.000	ZA	2.639	26.39	3981.8	AC32 base G	1.296	12.96	1957.2
	AC22 bin D	0.677	6.77	1022.3	AC16 surf S	0.472	4.72	711.8
	Rellenos	1.462	14.62	1652.2				
1510.000	ZA	2.639	26.39	4008.1	AC32 base G	1.297	12.97	1970.2
	AC22 bin D	0.677	6.77	1029.1	AC16 surf S	0.472	4.72	716.5
	Rellenos	1.463	14.62	1666.8				
1520.000	ZA	2.639	26.39	4034.5	AC32 base G	1.296	12.97	1983.2
	AC22 bin D	0.677	6.77	1035.9	AC16 surf S	0.472	4.72	721.2
	Rellenos	1.462	14.62	1681.4				
1530.000	ZA	2.639	26.39	4060.9	AC32 base G	1.296	12.96	1996.1
	AC22 bin D	0.677	6.77	1042.6	AC16 surf S	0.472	4.72	725.9
	Rellenos	1.463	14.62	1696.1				
1540.000	ZA	2.639	26.39	4087.3	AC32 base G	1.296	12.96	2009.1
	AC22 bin D	0.677	6.77	1049.4	AC16 surf S	0.472	4.72	730.6
	Rellenos	1.012	12.37	1708.4				
1550.000	ZA	2.639	26.39	4113.7	AC32 base G	1.296	12.96	2022.1
	AC22 bin D	0.677	6.77	1056.2	AC16 surf S	0.472	4.72	735.4
	Rellenos	1.030	10.21	1718.6				

Istram 18.05.05.29 18/01/19 11:22:10 1880
PROYECTO :
EJE: 75: V_{de} de servicio Dch. P.K. 116+500

pagina 14

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1560.000	ZA	2.640	26.39	4140.1	AC32 base G	1.296	12.96	2035.0
	AC22 bin D	0.677	6.77	1063.0	AC16 surf S	0.471	4.72	740.1
	Rellenos	1.030	10.30	1728.9				
1570.000	ZA	2.639	26.39	4166.5	AC32 base G	1.296	12.96	2048.0
	AC22 bin D	0.677	6.77	1069.7	AC16 surf S	0.472	4.71	744.8
	Rellenos	1.030	10.30	1739.2				
1580.000	ZA	2.639	26.39	4192.9	AC32 base G	1.296	12.96	2061.0
	AC22 bin D	0.677	6.77	1076.5	AC16 surf S	0.472	4.72	749.5
	Rellenos	1.030	10.30	1749.5				
1590.000	ZA	2.639	26.39	4219.3	AC32 base G	1.296	12.96	2073.9
	AC22 bin D	0.677	6.77	1083.3	AC16 surf S	0.472	4.72	754.2
	Rellenos	1.030	10.30	1759.8				
1600.000	ZA	2.639	26.39	4245.6	AC32 base G	1.296	12.96	2086.9
	AC22 bin D	0.677	6.77	1090.0	AC16 surf S	0.472	4.72	758.9
	Rellenos	1.030	10.30	1770.1				
1610.000	ZA	2.638	26.39	4272.0	AC32 base G	1.297	12.97	2099.9
	AC22 bin D	0.677	6.77	1096.8	AC16 surf S	0.471	4.72	763.7
	Rellenos	1.025	10.28	1780.4				
1620.000	ZA	2.639	26.39	4298.4	AC32 base G	1.297	12.97	2112.8
	AC22 bin D	0.677	6.77	1103.6	AC16 surf S	0.471	4.71	768.4
	Rellenos	1.030	10.28	1790.7				
1630.000	ZA	2.640	26.39	4324.8	AC32 base G	1.296	12.97	2125.8
	AC22 bin D	0.677	6.77	1110.3	AC16 surf S	0.471	4.71	773.1
	Rellenos	1.026	10.28	1801.0				
1640.000	ZA	2.639	26.39	4351.2	AC32 base G	1.296	12.96	2138.8
	AC22 bin D	0.677	6.77	1117.1	AC16 surf S	0.472	4.72	777.8
	Rellenos	0.974	10.00	1811.0				
1650.000	ZA	2.639	26.39	4377.6	AC32 base G	1.296	12.96	2151.7
	AC22 bin D	0.677	6.77	1123.9	AC16 surf S	0.472	4.72	782.5
	Rellenos	0.956	9.65	1820.6				
1660.000	ZA	2.639	26.39	4404.0	AC32 base G	1.296	12.96	2164.7
	AC22 bin D	0.677	6.77	1130.7	AC16 surf S	0.472	4.72	787.2
	Rellenos	0.946	9.51	1830.1				
1670.000	ZA	2.639	26.39	4430.4	AC32 base G	1.296	12.96	2177.7
	AC22 bin D	0.677	6.77	1137.4	AC16 surf S	0.472	4.72	792.0
	Rellenos	0.958	9.52	1839.6				

Istram 18.05.05.29 18/01/19 11:22:10 1880
PROYECTO :
EJE: 75: V_{de} de servicio Dch. P.K. 116+500

pagina 15

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1680.000	ZA	2.639	26.39	4456.8	AC32 base G	1.296	12.96	2190.6
	AC22 bin D	0.677	6.77	1144.2	AC16 surf S	0.472	4.72	796.7
	Rellenos	0.969	9.64	1849.3				
1690.000	ZA	2.639	26.39	4483.1	AC32 base G	1.296	12.96	2203.6
	AC22 bin D	0.677	6.77	1151.0	AC16 surf S	0.472	4.72	801.4
	Rellenos	1.012	9.91	1859.2				
1700.000	ZA	2.640	26.39	4509.5	AC32 base G	1.296	12.96	2216.6
	AC22 bin D	0.677	6.77	1157.7	AC16 surf S	0.471	4.72	806.1
	Rellenos	1.021	10.17	1869.4				
1710.000	ZA	2.639	26.39	4535.9	AC32 base G	1.296	12.96	2229.5
	AC22 bin D	0.677	6.77	1164.5	AC16 surf S	0.471	4.71	810.8
	Rellenos	1.029	10.25	1879.6				
1720.000	ZA	2.639	26.39	4562.3	AC32 base G	1.296	12.96	2242.5
	AC22 bin D	0.677	6.77	1171.3	AC16 surf S	0.472	4.72	815.5
	Rellenos	1.030	10.29	1889.9				
1730.000	ZA	2.646	26.42	4588.7	AC32 base G	1.301	12.99	2255.5
	AC22 bin D	0.680	6.78	1178.1	AC16 surf S	0.473	4.73	820.3
	Rellenos	1.030	10.30	1900.2				
1740.000	ZA	2.669	26.58	4615.3	AC32 base G	1.313	13.07	2268.5
	AC22 bin D	0.685	6.83	1184.9	AC16 surf S	0.478	4.76	825.0
	Rellenos	1.030	10.30	1910.5				
1750.000	ZA	2.692	26.81	4642.1	AC32 base G	1.324	13.18	2281.7

1760.000	AC22 bin D	0.692	6.89	1191.8	AC16 surf S	0.482	4.80	829.8
	Rellenos	1.030	10.30	1920.8				
	ZA	2.715	27.03	4669.2	AC32 base G	1.336	13.30	2295.0
	AC22 bin D	0.698	6.95	1198.7	AC16 surf S	0.487	4.84	834.7
	Rellenos	1.030	10.30	1931.1				
1770.000	ZA	2.737	27.26	4696.4	AC32 base G	1.347	13.42	2308.4
	AC22 bin D	0.705	7.01	1205.7	AC16 surf S	0.492	4.89	839.6
	Rellenos	1.030	10.30	1941.4				
1780.000	ZA	2.751	27.44	4723.9	AC32 base G	1.355	13.51	2322.0
	AC22 bin D	0.709	7.07	1212.8	AC16 surf S	0.494	4.93	844.5
	Rellenos	1.026	10.28	1951.7				
1790.000	ZA	2.751	27.51	4751.4	AC32 base G	1.355	13.55	2335.5
	AC22 bin D	0.708	7.09	1219.9	AC16 surf S	0.494	4.94	849.4
	Rellenos	1.001	10.13	1961.8				

Istram 18.05.05.29 18/01/19 11:22:10 1880
PROYECTO :
EJE: 75: V_{de} de servicio Dch. P.K. 116+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1800.000	ZA	2.751	27.51	4778.9	AC32 base G	1.355	13.55	2349.1
	AC22 bin D	0.708	7.08	1227.0	AC16 surf S	0.494	4.94	854.4
	Rellenos	0.977	9.89	1971.7				
1810.000	ZA	2.750	27.50	4806.4	AC32 base G	1.355	13.55	2362.6
	AC22 bin D	0.708	7.08	1234.1	AC16 surf S	0.493	4.93	859.3
	Rellenos	0.955	9.65	1981.3				
1820.000	ZA	2.750	27.50	4833.9	AC32 base G	1.354	13.55	2376.2
	AC22 bin D	0.709	7.08	1241.1	AC16 surf S	0.493	4.93	864.2
	Rellenos	0.959	9.56	1990.9				
1830.000	ZA	2.750	27.50	4861.4	AC32 base G	1.355	13.55	2389.7
	AC22 bin D	0.709	7.09	1248.2	AC16 surf S	0.493	4.93	869.2
	Rellenos	0.954	9.54	2000.4				
1840.000	ZA	2.750	27.50	4888.9	AC32 base G	1.355	13.55	2403.2
	AC22 bin D	0.708	7.08	1255.3	AC16 surf S	0.493	4.93	874.1
	Rellenos	0.937	9.42	2009.9				
1850.000	ZA	2.750	27.50	4916.4	AC32 base G	1.354	13.55	2416.8
	AC22 bin D	0.708	7.08	1262.4	AC16 surf S	0.492	4.93	879.0
	Rellenos	0.923	9.24	2019.1				
1860.000	ZA	2.751	27.50	4943.9	AC32 base G	1.355	13.55	2430.3
	AC22 bin D	0.708	7.08	1269.5	AC16 surf S	0.492	4.92	883.9
	Rellenos	0.922	9.16	2028.3				
1870.000	ZA	2.751	27.51	4971.4	AC32 base G	1.355	13.55	2443.9
	AC22 bin D	0.708	7.08	1276.6	AC16 surf S	0.493	4.92	888.9
	Rellenos	0.922	9.16	2037.4				
1880.000	ZA	2.751	27.50	4998.9	AC32 base G	1.354	13.55	2457.4
	AC22 bin D	0.708	7.08	1283.6	AC16 surf S	0.493	4.93	893.8
	Rellenos	0.922	9.16	2046.6				
1890.000	ZA	2.750	27.50	5026.4	AC32 base G	1.355	13.54	2471.0
	AC22 bin D	0.709	7.09	1290.7	AC16 surf S	0.492	4.92	898.7
	Rellenos	0.922	9.16	2055.7				
1900.000	ZA	2.751	27.50	5053.9	AC32 base G	1.355	13.55	2484.5
	AC22 bin D	0.708	7.09	1297.8	AC16 surf S	0.492	4.92	903.6
	Rellenos	0.922	9.16	2064.9				
1910.000	ZA	2.750	27.50	5081.4	AC32 base G	1.355	13.55	2498.1
	AC22 bin D	0.709	7.09	1304.9	AC16 surf S	0.493	4.92	908.6
	Rellenos	0.937	9.24	2074.1				

Istram 18.05.05.29 18/01/19 11:22:10 1880
PROYECTO :
EJE: 75: V_{de} de servicio Dch. P.K. 116+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	
1920.000	ZA	2.751	27.50	5108.9	AC32 base G	1.354	13.54	2511.6
	AC22 bin D	0.708	7.09	1312.0	AC16 surf S	0.493	4.93	913.5
	Rellenos	0.954	9.42	2083.6				
1930.000	ZA	2.750	27.50	5136.4	AC32 base G	1.355	13.54	2525.2
	AC22 bin D	0.708	7.08	1319.1	AC16 surf S	0.493	4.93	918.4
	Rellenos	0.959	9.54	2093.1				
1940.000	ZA	2.750	27.50	5163.9	AC32 base G	1.355	13.55	

Rellenos 0.954 6.93 2157.3

Istram 18.05.05.29 18/01/19 11:22:10 1880

PROYECTO :

EJE: 75: V de servicio Dch. P.K. 116+500

pagina 18

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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ZA	5321.4
AC32 base G	2616.3
AC22 bin D	1366.7
AC16 surf S	951.6
Rellenos	2157.3

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 60: V de servicio Dch. P.K. 117+500

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.000	ZA	2.177	0.00	0.0		ZA	1.811	0.00	0.0	
	AC22 bin D	1.019	0.00	0.0		AC16 surf S	0.495	0.00	0.0	
	Rellenos	1.151	0.00	0.0						
10.000	ZA	2.176	21.75	21.8		ZA	1.811	18.11	18.1	
	AC22 bin D	1.019	10.19	10.2		AC16 surf S	0.495	4.95	4.9	
	Rellenos	1.151	11.51	11.5						
20.000	ZA	2.177	21.78	43.5		ZA	1.811	18.11	36.2	
	AC22 bin D	1.019	10.19	20.4		AC16 surf S	0.495	4.95	9.9	
	Rellenos	1.152	11.52	23.0						
30.000	ZA	2.181	21.84	65.4		ZA	1.812	18.12	54.3	
	AC22 bin D	1.019	10.19	30.6		AC16 surf S	0.495	4.95	14.8	
	Rellenos	1.149	11.53	34.6						
40.000	ZA	2.222	22.09	87.5		ZA	1.812	18.12	72.5	
	AC22 bin D	1.019	10.19	40.8		AC16 surf S	0.495	4.95	19.8	
	Rellenos	1.165	11.60	46.2						
50.000	ZA	2.248	22.44	109.9		ZA	1.812	18.12	90.6	
	AC22 bin D	1.019	10.19	50.9		AC16 surf S	0.494	4.94	24.7	
	Rellenos	1.175	11.74	57.9						
60.000	ZA	2.248	22.58	132.5		ZA	1.812	18.12	108.7	
	AC22 bin D	1.019	10.19	61.1		AC16 surf S	0.495	4.94	29.7	
	Rellenos	1.175	11.79	69.7						
70.000	ZA	2.248	22.58	155.1		ZA	1.812	18.12	126.8	
	AC22 bin D	1.019	10.19	71.3		AC16 surf S	0.494	4.94	34.6	
	Rellenos	1.164	11.73	81.4						
80.000	ZA	2.248	22.58	177.6		ZA	1.811	18.11	144.9	
	AC22 bin D	1.020	10.19	81.5		AC16 surf S	0.494	4.94	39.6	
	Rellenos	0.954	10.56	92.0						
90.000	ZA	2.247	22.57	200.2		ZA	1.812	18.11	163.0	
	AC22 bin D	1.019	10.19	91.7		AC16 surf S	0.494	4.94	44.5	
	Rellenos	1.646	13.11	105.1						
100.000	ZA	2.248	22.57	222.8		ZA	1.812	18.12	181.2	
	AC22 bin D	1.019	10.19	101.9		AC16 surf S	0.494	4.94	49.4	
	Rellenos	1.642	16.76	121.9						
110.000	ZA	2.247	22.57	245.3		ZA	1.812	18.12	199.3	
	AC22 bin D	1.019	10.19	112.1		AC16 surf S	0.494	4.94	54.4	
	Rellenos	1.936	18.12	140.0						

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 60: V de servicio Dch. P.K. 117+500

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
120.000	ZA	2.203	22.33	267.7		ZA	1.797	18.04	217.3	
	AC22 bin D	1.010	10.14	122.2		AC16 surf S	0.490	4.92	59.3	
	Rellenos	2.095	20.24	160.2						
130.000	ZA	2.157	21.85	289.5		ZA	1.780	17.88	235.2	
	AC22 bin D	1.001	10.05	132.3		AC16 surf S	0.485	4.88	64.2	
	Rellenos	2.074	20.87	181.1						
140.000	ZA	2.130	21.46	311.0		ZA	1.766	17.73	252.9	
	AC22 bin D	0.992	9.96	142.2		AC16 surf S	0.481	4.83	69.0	
	Rellenos	2.069	20.73	201.8						
150.000	ZA	2.111	21.22	332.2		ZA	1.750	17.58	270.5	
	AC22 bin D	0.983	9.87	152.1		AC16 surf S	0.477	4.79	73.8	
	Rellenos	2.072	20.72	222.5						
160.000	ZA	2.093	21.02	353.2		ZA	1.734	17.42	287.9	
	AC22 bin D	0.974	9.78	161.9		AC16 surf S	0.473	4.75	78.6	
	Rellenos	2.074	20.73	243.3						
170.000	ZA	2.097	20.95	374.2		ZA	1.737	17.35	305.3	
	AC22 bin D	0.975	9.74	171.6		AC16 surf S	0.473	4.73	83.3	
	Rellenos	2.073	20.73	264.0						
180.000	ZA	2.111	21.04	395.2		ZA	1.749	17.43	322.7	
	AC22 bin D	0.982	9.79	181.4		AC16 surf S	0.477	4.75	88.0	
	Rellenos	1.606	18.38	282.4						
190.000	ZA	2.126	21.20	416.4		ZA	1.762	17.55	340.3	
	AC22 bin D	0.989	9.86	191.3		AC16 surf S	0.481	4.79	92.8	

200.000	Rellenos	1.601	15.96	298.3						
	ZA	2.157	21.44	437.9		ZA	1.774	17.68	357.9	
	AC22 bin D	0.996	9.93	201.2		AC16 surf S	0.484	4.82	97.6	
	Rellenos	1.093	13.43	311.8						
210.000	ZA	2.198	21.82	459.7		ZA	1.786	17.80	375.7	
	AC22 bin D	1.003	10.00	211.2		AC16 surf S	0.487	4.85	102.5	
	Rellenos	1.167	11.33	323.1						
220.000	ZA	2.230	22.21	481.9		ZA	1.796	17.91	393.6	
	AC22 bin D	1.009	10.06	221.3		AC16 surf S	0.489	4.88	107.4	
	Rellenos	1.073	11.25	334.4						
230.000	ZA	2.204	22.25	504.2		ZA	1.795	17.95	411.6	
	AC22 bin D	1.009	10.09	231.4		AC16 surf S	0.489	4.89	112.3	
	Rellenos	0.776	9.38	343.7						

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 60: V de servicio Dch. P.K. 117+500

pagina 3

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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240.000	ZA	2.203	22.12	526.3		ZA	1.795	17.95	429.6	
	AC22 bin D	1.009	10.09	241.5		AC16 surf S	0.489	4.89	117.2	
	Rellenos	0.776	7.95	351.7						
250.000	ZA	2.194	22.07	548.4		ZA	1.792	17.94	447.5	
	AC22 bin D	1.008	10.09	251.5		AC16 surf S	0.489	4.89	122.1	
	Rellenos	0.775	7.94	359.6						
252.000	ZA	2.187	4.40	552.8		ZA	1.790	3.58	451.1	
	AC22 bin D	1.006	2.01	253.6		AC16 surf S	0.489	0.98	123.0	
	Rellenos	0.773	1.58	361.2						
260.000	ZA	2.158	17.44	570.2		ZA	1.781	14.29	465.4	
	AC22 bin D	1.001	8.03	261.6		AC16 surf S	0.486	3.90	126.9	
	Rellenos	0.768	6.30	367.5						
270.000	ZA	2.122	21.45	591.6		ZA	1.769	17.75	483.1	
	AC22 bin D	0.994	9.97	271.6		AC16 surf S	0.482	4.84	131.8	
	Rellenos	0.762	7.79	375.3						
280.000	ZA	2.092	21.11	612.7		ZA	1.758	17.64	500.7	
	AC22 bin D	0.987	9.90	281.5		AC16 surf S	0.479	4.81	136.6	
	Rellenos	0.754	7.68	383.0						
290.000	ZA	2.073	20.85	633.6		ZA	1.746	17.52	518.3	
	AC22 bin D	0.980	9.84	291.3		AC16 surf S	0.476	4.78	141.3	
	Rellenos	0.744	7.57	390.5						
300.000	ZA	2.036	20.56	654.2		ZA	1.735	17.41	535.7	
	AC22 bin D	0.974	9.77	301.1		AC16 surf S	0.473	4.74	146.1	
	Rellenos	0.733	7.44	398.0						
310.000	ZA	1.992	20.14	674.3		ZA	1.729	17.32	553.0	
	AC22 bin D	0.970	9.72	310.8		AC16 surf S	0.471	4.72	150.8	
	Rellenos	0.721	7.29	405.3						
320.000	ZA	2.008	20.00	694.3		ZA	1.730	17.29	570.3	
	AC22 bin D	0.970	9.70	320.5		AC16 surf S	0.472	4.71	155.5	
	Rellenos	1.116	9.20	414.5						
330.000	ZA	2.008	20.08	714.4		ZA	1.730	17.30	587.6	
	AC22 bin D	0.970	9.70	330.2		AC16 surf S	0.472	4.72	160.2	
	Rellenos	1.087	11.02	425.5						
340.000	ZA	2.008	20.08	734.5		ZA	1.730	17.30	604.9	
	AC22 bin D	0.970	9.70	339.9		AC16 surf S	0.472	4.72	165.0	
	Rellenos	1.052	10.69	436.2						

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 60: V de servicio Dch. P.K. 117+500

pagina 4

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
342.000	ZA	2.008	4.02	738.5		ZA	1.730	3.46	608.3	
	AC22 bin D	0.970	1.94	341.8		AC16 surf S	0.472	0.94	165.9	
	Rellenos	1.001	2.05	438.2						
345.668	ZA	1.948	7.26	745.7		ZA	1.729	6.34	614.7	
	AC22 bin D	0.970	3.56	345.4		AC16 surf S	0.472	1.73	167.6	
	Rellenos	0.682	3.09	441.3						

Istram 18.05.05.29 17/01/19 18:50:03 1880

PROYECTO :

EJE: 60: V de servicio Dch. P.K. 117+500

pagina 5

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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ZA	745.7
ZA	614.7
AC22 bin D	345.4
AC16 surf S	167.6
Rellenos	441.3

Istram 18.05.05.29 12/07/18 21:28:38 459

PROYECTO :

EJE: 49: V de servicio Dch. P.K. 98+100

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *									
=====									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	ZA	1.259	0.00	0.0	ZA	1.049	0.00	0.0	
	AC22 bin D	0.570	0.00	0.0	AC16 surf S	0.272	0.00	0.0	
	ZA	0.665	0.00	0.0	ZA	0.460	0.00	0.0	
	AC16 surf S	0.115	0.00	0.0	Rellenos	1.275	0.00	0.0	
10.000	ZA	1.258	12.59	12.6	ZA	1.049	10.49	10.5	
	AC22 bin D	0.570	5.70	5.7	AC16 surf S	0.272	2.72	2.7	
	ZA	0.665	6.65	6.7	ZA	0.460	4.60	4.6	
	AC16 surf S	0.115	1.15	1.2	Rellenos	1.269	12.72	12.7	
20.000	ZA	1.259	12.58	25.2	ZA	1.049	10.49	21.0	
	AC22 bin D	0.571	5.71	11.4	AC16 surf S	0.272	2.72	5.4	
	ZA	0.665	6.65	13.3	ZA	0.460	4.60	9.2	
	AC16 surf S	0.115	1.15	2.3	Rellenos	1.260	12.64	25.4	
30.000	ZA	1.259	12.59	37.8	ZA	1.050	10.49	31.5	
	AC22 bin D	0.570	5.70	17.1	AC16 surf S	0.272	2.72	8.2	
	ZA	0.665	6.65	20.0	ZA	0.460	4.60	13.8	
	AC16 surf S	0.115	1.15	3.5	Rellenos	1.253	12.56	37.9	
40.000	ZA	1.258	12.59	50.3	ZA	1.049	10.50	42.0	
	AC22 bin D	0.570	5.70	22.8	AC16 surf S	0.272	2.72	10.9	
	ZA	0.665	6.65	26.6	ZA	0.460	4.60	18.4	
	AC16 surf S	0.115	1.15	4.6	Rellenos	1.255	12.54	50.5	
50.000	ZA	1.259	12.59	62.9	ZA	1.050	10.50	52.5	
	AC22 bin D	0.570	5.70	28.5	AC16 surf S	0.272	2.72	13.6	
	ZA	0.665	6.65	33.3	ZA	0.460	4.60	23.0	
	AC16 surf S	0.115	1.15	5.8	Rellenos	1.273	12.64	63.1	
60.000	ZA	1.259	12.59	75.5	ZA	1.049	10.50	63.0	
	AC22 bin D	0.571	5.70	34.2	AC16 surf S	0.272	2.72	16.3	
	ZA	0.665	6.65	39.9	ZA	0.460	4.60	27.6	
	AC16 surf S	0.115	1.15	6.9	Rellenos	1.269	12.71	75.8	
70.000	ZA	1.258	12.58	88.1	ZA	1.050	10.49	73.5	
	AC22 bin D	0.571	5.71	39.9	AC16 surf S	0.272	2.72	19.0	
	ZA	0.665	6.65	46.6	ZA	0.460	4.60	32.2	
	AC16 surf S	0.115	1.15	8.1	Rellenos	1.243	12.56	88.4	
80.000	ZA	1.259	12.58	100.7	ZA	1.050	10.50	84.0	
	AC22 bin D	0.570	5.70	45.6	AC16 surf S	0.272	2.72	21.8	
	ZA	0.665	6.65	53.2	ZA	0.460	4.60	36.8	
	AC16 surf S	0.115	1.15	9.2	Rellenos	1.258	12.50	100.9	

Istram 18.05.05.29 12/07/18 21:28:38 459
PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

pagina 2

180.000	ZA	1.259	12.59	226.6	ZA	1.050	10.50	188.9
	AC22 bin D	0.571	5.71	102.7	AC16 surf S	0.272	2.72	49.0
	ZA	0.665	6.65	119.7	ZA	0.460	4.60	82.9
190.000	AC16 surf S	0.115	1.15	20.7	Rellenos	1.279	12.79	228.6
	ZA	1.259	12.59	239.1	ZA	1.050	10.50	199.4
	AC22 bin D	0.570	5.71	108.4	AC16 surf S	0.272	2.72	51.7
200.000	ZA	0.665	6.65	126.4	ZA	0.460	4.60	87.5
	AC16 surf S	0.115	1.15	21.9	Rellenos	1.274	12.76	241.4
	ZA	1.259	12.59	251.7	ZA	1.050	10.50	209.9
210.000	AC22 bin D	0.570	5.70	114.1	AC16 surf S	0.272	2.72	54.4
	ZA	0.665	6.65	133.0	ZA	0.460	4.60	92.1
	AC16 surf S	0.115	1.15	23.0	Rellenos	1.264	12.69	254.0
219.447	ZA	1.259	12.59	264.3	ZA	1.050	10.50	220.4
	AC22 bin D	0.571	5.70	119.8	AC16 surf S	0.272	2.72	57.1
	ZA	0.665	6.65	139.7	ZA	0.460	4.60	96.7
220.000	AC16 surf S	0.115	1.15	24.2	Rellenos	1.255	12.60	266.6
	ZA	1.259	11.89	276.2	ZA	1.050	9.92	230.3
	AC22 bin D	0.571	5.39	125.2	AC16 surf S	0.272	2.57	59.7
230.000	ZA	0.665	6.28	146.0	ZA	0.460	4.35	101.0
	AC16 surf S	0.115	1.09	25.2	Rellenos	1.231	11.74	278.4
	ZA	1.259	0.70	276.9	ZA	1.049	0.58	230.9
240.000	AC22 bin D	0.571	0.32	125.5	AC16 surf S	0.272	0.15	59.8
	ZA	0.665	0.37	146.3	ZA	0.460	0.25	101.3
	AC16 surf S	0.115	0.06	25.3	Rellenos	1.232	0.68	279.1
250.000	ZA	1.259	12.59	289.5	ZA	1.050	10.49	241.4
	AC22 bin D	0.571	5.70	131.2	AC16 surf S	0.272	2.72	62.6
	ZA	0.665	6.64	153.0	ZA	0.460	4.60	105.9
260.000	AC16 surf S	0.115	1.15	26.5	Rellenos	1.231	12.30	291.4
	ZA	1.259	12.58	302.1	ZA	1.050	10.50	251.9
	AC22 bin D	0.570	5.70	136.9	AC16 surf S	0.272	2.72	65.3
270.000	ZA	0.665	6.64	159.6	ZA	0.460	4.60	110.5
	AC16 surf S	0.115	1.15	27.6	Rellenos	1.255	12.42	303.8
	ZA	1.259	12.58	314.7	ZA	1.050	10.49	262.4
280.000	AC22 bin D	0.571	5.70	142.6	AC16 surf S	0.272	2.72	68.0
	ZA	0.665	6.64	166.2	ZA	0.460	4.60	115.0
	AC16 surf S	0.115	1.15	28.8	Rellenos	1.263	12.58	316.4

Istram 18.05.05.29 12/07/18 21:28:38 459
PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

pagina 4

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** CAPAS DE FIRME *****								
***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	ZA	1.259	12.59	113.3	ZA	1.050	10.50	94.5
	AC22 bin D	0.570	5.70	51.3	AC16 surf S	0.272	2.72	24.5
	ZA	0.665	6.65	59.9	ZA	0.460	4.60	41.4
100.000	AC16 surf S	0.115	1.15	10.4	Rellenos	1.269	12.63	113.5
	ZA	1.258	12.58	125.9	ZA	1.050	10.50	105.0
	AC22 bin D	0.571	5.70	57.0	AC16 surf S	0.272	2.72	27.2
110.000	ZA	0.665	6.65	66.5	ZA	0.460	4.60	46.0
	AC16 surf S	0.115	1.15	11.5	Rellenos	1.277	12.73	126.2
	ZA	1.259	12.59	138.4	ZA	1.049	10.49	115.4
120.000	AC22 bin D	0.571	5.71	62.7	AC16 surf S	0.272	2.72	29.9
	ZA	0.665	6.65	73.2	ZA	0.460	4.60	50.6
	AC16 surf S	0.115	1.15	12.7	Rellenos	1.280	12.78	139.0
130.000	ZA	1.259	12.59	151.0	ZA	1.049	10.49	125.9
	AC22 bin D	0.571	5.71	68.5	AC16 surf S	0.272	2.72	32.6
	ZA	0.665	6.65	79.8	ZA	0.460	4.60	55.2
140.000	AC16 surf S	0.115	1.15	13.8	Rellenos	1.280	12.80	151.8
	ZA	1.259	12.59	163.6	ZA	1.049	10.49	136.4
	AC22 bin D	0.570	5.71	74.2	AC16 surf S	0.272	2.72	35.4
150.000	ZA	0.665	6.65	86.5	ZA	0.460	4.60	59.8
	AC16 surf S	0.115	1.15	15.0	Rellenos	1.280	12.80	164.6
	ZA	1.259	12.59	176.2	ZA	1.049	10.49	146.9
160.000	AC22 bin D	0.571	5.71	79.9	AC16 surf S	0.272	2.72	38.1
	ZA	0.665	6.65	93.1	ZA	0.460	4.60	64.4
	AC16 surf S	0.115	1.15	16.1	Rellenos	1.280	12.80	177.4
170.000	ZA	1.259	12.59	188.8	ZA	1.050	10.50	157.4
	AC22 bin D	0.570	5.71	85.6	AC16 surf S	0.272	2.72	40.8
	ZA	0.665	6.65	99.8	ZA	0.460	4.60	69.0
180.000	AC16 surf S	0.115	1.15	17.3	Rellenos	1.280	12.80	190.2
	ZA	1.259	12.59	201.4	ZA	1.049	10.50	167.9
	AC22 bin D	0.571	5.71	91.3	AC16 surf S	0.272	2.72	43.5
190.000	ZA	0.665	6.65	106.4	ZA	0.460	4.60	73.6
	AC16 surf S	0.115	1.15	18.4	Rellenos	1.280	12.80	203.0
	ZA	1.258	12.59	214.0	ZA	1.050	10.49	178.4
200.000	AC22 bin D	0.571	5.71	97.0	AC16 surf S	0.272	2.72	46.2
	ZA	0.665	6.65	113.1	ZA	0.460	4.60	78.3
	AC16 surf S	0.115	1.15	19.6	Rellenos	1.280	12.80	215.5

Istram 18.05.05.29 12/07/18 21:28:38 459
PROYECTO :
EJE: 49: V^{de} de servicio Dch. P.K. 98+100

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** CAPAS DE FIRME *****								
***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	ZA	1.259	12.58	327.3	ZA	1.050	10.49	272.9
	AC22 bin D	0.571	5.70	148.3	AC16 surf S	0.272	2.72	70.7
	ZA	0.665	6.64	172.9	ZA	0.460	4.60	119.6
270.000	AC16 surf S	0.115	1.15	29.9	Rellenos	1.272	12.66	329.0
	ZA	1.260	12.59	339.8	ZA	1.050	10.49	283.4
	AC22 bin D	0.570	5.70	154.0	AC16 surf S	0.272	2.72	73.4
280.000	ZA	0.665	6.64	179.5	ZA	0.460	4.60	124.2
	AC16 surf S	0.115	1.15	31.1	Rellenos	1.278	12.74	341.8
	ZA	1.259	12.59	352.4	ZA	1.050	10.49	293.9
290.000	AC22 bin D	0.571	5.70	159.7	AC16 surf S	0.272	2.72	76.2
	ZA	0.665	6.64	186.2	ZA	0.460	4.60	128.8
	AC16 surf S	0.115	1.15	32.2	Rellenos	1.280	12.78	354.5
300.000	ZA	1.259	12.58	365.0	ZA	1.050	10.49	304.4
	AC22 bin D	0.571	5.70	165.4	AC16 surf S	0.272	2.72	78.9
	ZA	0.665	6.64	192.8	ZA	0.460	4.60	133.4
310.000	AC16 surf S	0.115	1.15	33.4	Rellenos	1.280	12.79	367.3
	ZA	1.259	12.59	377.6	ZA	1.050	10.49	314.8
	AC22 bin D	0.570	5.70	171.1	AC16 surf S	0.272	2.72	81.6
320.000	ZA	0.665	6.64	199.4	ZA	0.460	4.60	138.0
	AC16 surf S	0.115	1.15	34.5	Rellenos	1.280	12.79	380.1
	ZA	1.259	12.59	390.2	ZA	1.050	10.49	325.3
330.000	AC22 bin D	0.571	5.70	176.8	AC16 surf S	0.272	2.72	84.3
	ZA	0.665	6.64	206.1	ZA	0.460	4.60	142.6
	AC16 surf S	0.115	1.15	35.7	Rellenos	1.280	12.79	392.9
340.000	ZA	1.259	12.59	402.8	ZA	1.050	10.50	335.8
	AC22 bin D	0.571	5.70	182.5	AC16 surf S	0.272	2.72	87.1
	ZA	0.665	6.64	212.7	ZA	0.460	4.60	147.2
350.000	AC16 surf S	0.115	1.15	36.8	Rellenos	1.280	12.79	405.7
	ZA	1.259	12.59	415.4	ZA	1.050	10.50	346.3
	AC22 bin D	0.570	5.70	188.2	AC16 surf S	0.272	2.72	89.8
360.000	ZA	0.665	6.64	219.4	ZA	0.460	4.60	151.8
	AC16 surf S	0.115	1.15	38.0	Rellenos	1.280	12.79	418.5
	ZA	1.260	12.59	427.9	ZA	1.050	10.49	356.8
370.000	AC22 bin D	0.570	5.70	194.0	AC16 surf S	0.272	2.72	92.5
	ZA	0.665	6.64	226.0	ZA	0.460	4.60	156.4
	AC16 surf S	0.115	1.15	39.1	Rellenos	1.280	12.79	431.3

Istram 18.05.05.29 12/07/18 21:28:38 459
PROYECTO :
EJE: 49: V^做 de servicio Dch. P.K. 98+100

pagina 5

			* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *						
			CAPAS DE FIRME * * *						
			* * * cubicacion segun distancias compensadas * * *						

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.		MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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***** *** MEDICIONES DE LOS PERFILES TRANSVERSALES* ** *** CAPAS DE FIRME *** *** cubicacion segun distancias compensadas *** *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	ZA	1.259	12.59	440.5	ZA	1.050	10.49	367.3
	AC22 bin D	0.571	5.70	199.7	AC16 surf S	0.272	2.72	95.2
	ZA	0.665	6.64	232.6	ZA	0.460	4.60	161.0
	AC16 surf S	0.115	1.15	40.3	Rellenos	1.280	12.79	444.0

360.000	ZA	1.259	12.59	453.1	ZA	1.050	10.49	377.8
	AC22 bin D	0.571	5.71	205.4	AC16 surf S	0.272	2.72	97.9
	ZA	0.665	6.64	239.3	ZA	0.460	4.60	165.6
	AC16 surf S	0.115	1.15	41.4	Rellenos	1.280	12.79	456.8
370.000	ZA	1.259	12.59	465.7	ZA	1.050	10.50	388.3
	AC22 bin D	0.571	5.70	211.1	AC16 surf S	0.272	2.72	100.7
	ZA	0.665	6.64	245.9	ZA	0.460	4.59	170.2
	AC16 surf S	0.115	1.15	42.6	Rellenos	1.280	12.78	469.6
380.000	ZA	1.259	12.59	478.3	ZA	1.050	10.50	398.8
	AC22 bin D	0.571	5.71	216.8	AC16 surf S	0.272	2.72	103.4
	ZA	0.665	6.64	252.6	ZA	0.460	4.60	174.8
	AC16 surf S	0.115	1.15	43.7	Rellenos	1.280	12.79	482.4
390.000	ZA	1.259	12.58	490.9	ZA	1.050	10.50	409.3
	AC22 bin D	0.571	5.71	222.5	AC16 surf S	0.272	2.72	106.1
	ZA	0.665	6.64	259.2	ZA	0.460	4.60	179.4
	AC16 surf S	0.115	1.15	44.9	Rellenos	1.275	12.76	495.2
400.000	ZA	1.259	12.59	503.5	ZA	1.050	10.50	419.8
	AC22 bin D	0.571	5.71	228.2	AC16 surf S	0.272	2.72	108.8
	ZA	0.665	6.64	265.8	ZA	0.460	4.60	184.0
	AC16 surf S	0.115	1.15	46.0	Rellenos	1.269	12.71	507.9
410.000	ZA	1.259	12.59	516.1	ZA	1.050	10.50	430.3
	AC22 bin D	0.571	5.71	233.9	AC16 surf S	0.272	2.72	111.5
	ZA	0.665	6.64	272.5	ZA	0.460	4.60	188.6
	AC16 surf S	0.115	1.15	47.1	Rellenos	1.272	12.69	520.6
420.000	ZA	1.259	12.59	528.6	ZA	1.050	10.50	440.8
	AC22 bin D	0.571	5.70	239.6	AC16 surf S	0.272	2.72	114.3
	ZA	0.665	6.64	279.1	ZA	0.460	4.60	193.2
	AC16 surf S	0.115	1.15	48.3	Rellenos	1.277	12.73	533.3
430.000	ZA	1.259	12.59	541.2	ZA	1.050	10.50	451.3
	AC22 bin D	0.571	5.70	245.3	AC16 surf S	0.272	2.72	117.0
	ZA	0.665	6.64	285.8	ZA	0.460	4.60	197.8
	AC16 surf S	0.115	1.15	49.4	Rellenos	1.280	12.77	546.1

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 6
PROYECTO :
EJE: 49: V微 de servicio Dch. P.K. 98+100

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										
=====										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

440.000	ZA	1.259		12.59	553.8	ZA	1.050		10.50	461.8
	AC22 bin D	0.571		5.71	251.0	AC16 surf S	0.272		2.72	119.7
	ZA	0.665		6.64	292.4	ZA	0.460		4.60	202.4
450.000	AC16 surf S	0.115		1.15	50.6	Rellenos	1.280		12.78	558.8
	ZA	1.259		12.59	566.4	ZA	1.050		10.50	472.3
	AC22 bin D	0.571		5.71	256.7	AC16 surf S	0.272		2.72	122.4
457.115	ZA	0.665		6.64	299.0	ZA	0.460		4.59	207.0
	AC16 surf S	0.115		1.15	51.7	Rellenos	1.280		12.79	571.6
	ZA	1.259		8.96	575.4	ZA	1.050		7.47	479.8
460.000	AC22 bin D	0.571		4.06	260.8	AC16 surf S	0.272		1.94	124.4
	ZA	0.665		4.73	303.8	ZA	0.460		3.27	210.2
	AC16 surf S	0.115		0.82	52.6	Rellenos	1.280		9.10	580.7
470.000	ZA	1.260		3.64	579.0	ZA	1.050		3.03	482.8
	AC22 bin D	0.571		1.65	262.4	AC16 surf S	0.272		0.79	125.2
	ZA	0.665		1.92	305.7	ZA	0.460		1.33	211.6
480.000	AC16 surf S	0.115		0.33	52.9	Rellenos	1.280		3.70	584.4
	ZA	1.259		12.60	591.6	ZA	1.050		10.51	493.3
	AC22 bin D	0.571		5.71	268.1	AC16 surf S	0.272		2.72	127.9
490.000	ZA	0.665		6.66	312.4	ZA	0.460		4.61	216.2
	AC16 surf S	0.115		1.15	54.0	Rellenos	1.280		12.81	597.2
	ZA	1.259		12.60	604.2	ZA	1.050		10.51	503.8
500.000	AC22 bin D	0.571		5.71	273.8	AC16 surf S	0.272		2.72	130.6
	ZA	0.665		6.66	319.0	ZA	0.460		4.61	220.8
	AC16 surf S	0.115		1.15	55.2	Rellenos	1.280		12.81	610.0
510.000	ZA	1.260		12.60	616.8	ZA	1.050		10.51	514.3
	AC22 bin D	0.571		5.71	279.5	AC16 surf S	0.272		2.72	133.3
	ZA	0.665		6.66	325.7	ZA	0.460		4.61	225.4
520.000	AC16 surf S	0.115		1.15	56.4	Rellenos	1.280		12.81	622.8
	ZA	1.259		12.60	629.4	ZA	1.050		10.51	524.8
	AC22 bin D	0.571		5.71	285.2	AC16 surf S	0.272		2.72	136.1
530.000	ZA	0.665		6.66	332.3	ZA	0.460		4.61	230.0
	AC16 surf S	0.115		1.15	57.5	Rellenos	1.278		12.80	635.6
	ZA	1.259		12.60	642.0	ZA	1.050		10.51	535.3
540.000	AC22 bin D	0.571		5.71	291.0	AC16 surf S	0.272		2.72	138.8
	ZA	0.665		6.66	339.0	ZA	0.460		4.61	234.6
	AC16 surf S	0.115		1.15	58.7	Rellenos	1.273		12.77	648.4

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 7
PROYECTO :
EJE: 49: V微 de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										
=====										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

520.000	ZA	1.260		12.60	654.6	ZA	1.050		10.51	545.8
	AC22 bin D	0.571		5.71	296.7	AC16 surf S	0.272		2.72	141.5
	ZA	0.665		6.66	345.7	ZA	0.460		4.61	239.2
	AC16 surf S	0.115		1.15	59.8	Rellenos	1.268		12.71	661.1
530.000	ZA	1.260		12.60	667.2	ZA	1.051		10.51	556.3
	AC22 bin D	0.571		5.71	302.4	AC16 surf S	0.273		2.73	144.2
	ZA	0.665		6.66	352.3	ZA	0.460		4.61	243.8
	AC16 surf S	0.115		1.15	61.0	Rellenos	1.266		12.68	673.8

540.000	ZA	1.260	12.60	679.8	ZA	1.050	10.51	566.9
	AC22 bin D	0.571	5.71	308.1	AC16 surf S	0.272	2.73	147.0
	ZA	0.665	6.66	359.0	ZA	0.460	4.61	248.4
	AC16 surf S	0.115	1.15	62.1	Rellenos	1.269	12.69	686.5
550.000	ZA	1.259	12.60	692.4	ZA	1.051	10.51	577.4
	AC22 bin D	0.571	5.71	313.8	AC16 surf S	0.272	2.72	149.7
	ZA	0.665	6.66	365.7	ZA	0.460	4.61	253.0
	AC16 surf S	0.115	1.15	63.3	Rellenos	1.276	12.74	699.2
560.000	ZA	1.260	12.60	705.0	ZA	1.051	10.51	587.9
	AC22 bin D	0.571	5.71	319.5	AC16 surf S	0.272	2.72	152.4
	ZA	0.665	6.66	372.3	ZA	0.460	4.61	257.7
	AC16 surf S	0.115	1.15	64.4	Rellenos	1.280	12.79	712.0
570.000	ZA	1.259	12.60	717.6	ZA	1.050	10.51	598.4
	AC22 bin D	0.571	5.71	325.2	AC16 surf S	0.272	2.72	155.1
	ZA	0.665	6.66	379.0	ZA	0.460	4.61	262.3
	AC16 surf S	0.115	1.15	65.6	Rellenos	1.280	12.81	724.8
580.000	ZA	1.260	12.60	730.2	ZA	1.050	10.51	608.9
	AC22 bin D	0.571	5.71	330.9	AC16 surf S	0.273	2.73	157.8
	ZA	0.665	6.66	385.7	ZA	0.460	4.61	266.9
	AC16 surf S	0.115	1.15	66.7	Rellenos	1.280	12.81	737.6
590.000	ZA	1.259	12.60	742.8	ZA	1.050	10.51	619.4
	AC22 bin D	0.571	5.71	336.6	AC16 surf S	0.272	2.73	160.6
	ZA	0.665	6.66	392.3	ZA	0.460	4.61	271.5
	AC16 surf S	0.115	1.15	67.9	Rellenos	1.280	12.81	750.5
600.000	ZA	1.260	12.60	755.4	ZA	1.051	10.51	629.9
	AC22 bin D	0.571	5.71	342.4	AC16 surf S	0.272	2.73	163.3
	ZA	0.665	6.66	399.0	ZA	0.460	4.61	276.1
	AC16 surf S	0.115	1.15	69.0	Rellenos	1.280	12.81	763.3

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 8
PROYECTO :
EJE: 49: V微 de servicio Dch. P.K. 98+100

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****									
***** CAPAS DE FIRME *****									
***** cubicacion segun distancias compensadas *****									
=====									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
610.000	ZA	1.260	12.60	768.0	ZA	1.051	10.51	640.4	
	AC22 bin D	0.571	5.71	348.1	AC16 surf S	0.273	2.73	166.0	
	ZA	0.665	6.66	405.6	ZA	0.460	4.61	280.7	
	AC16 surf S	0.115	1.15	70.2	Rellenos	1.280	12.81	776.1	
620.000	ZA	1.260	12.60	780.6	ZA	1.051	10.51	650.9	
	AC22 bin D	0.571	5.71	353.8	AC16 surf S	0.272	2.72	168.7	
	ZA	0.665	6.66	412.3	ZA	0.460	4.61	285.3	
	AC16 surf S	0.115	1.15	71.3	Rellenos	1.280	12.81	788.9	
630.000	ZA	1.260	12.60	793.2	ZA	1.051	10.51	661.4	
	AC22 bin D	0.571	5.71	359.5	AC16 surf S	0.272	2.72	171.5	
	ZA	0.665	6.66	419.0	ZA	0.460	4.61	289.9	
	AC16 surf S	0.115	1.15	72.5	Rellenos	1.280	12.81	801.7	
640.000	ZA	1.260	12.60	805.8	ZA	1.051	10.51	672.0	
	AC22 bin D	0.571	5.71	365.2	AC16 surf S	0.272	2.72	174.2	
	ZA	0.665	6.66	425.6	ZA	0.460	4.61	294.5	
	AC16 surf S	0.115	1.15	73.6	Rellenos	1.279	12.81	814.5	
650.000	ZA	1.260	12.60	818.4	ZA	1.050	10.51	682.5	
	AC22 bin D	0.571	5.71	370.9	AC16 surf S	0.272	2.72	176.9	
	ZA	0.665	6.66	432.3	ZA	0.460	4.61	299.2	
	AC16 surf S	0.115	1.15	74.8	Rellenos	1.280	12.81	827.3	
660.000	ZA	1.260	12.60	831.0	ZA	1.051	10.51	693.0	
	AC22 bin D	0.571	5.71	376.6	AC16 surf S	0.272	2.72	179.6	
	ZA	0.665	6.66	439.0	ZA	0.460	4.61	303.8	
	AC16 surf S	0.115	1.15	75.9	Rellenos	1.280	12.81	840.1	
670.000	ZA	1.260	12.60	843.6	ZA	1.050	10.51	703.5	
	AC22 bin D	0.571	5.71	382.3	AC16 surf S	0.272	2.72	182.4	
	ZA	0.665	6.66	445.6	ZA	0.460	4.61	308.4	
	AC16 surf S	0.115	1.15	77.1	Rellenos	1.280	12.81	852.9	
730.000	ZA	1.260	75.62	919.3	ZA	1.051	63.07	766.5	
	AC22 bin D	0.571	34.28	416.6	AC16 surf S	0.272	16.35	198.7	
	ZA	0.665	39.98	485.6	ZA	0.460	27.66	336.0	
	AC16 surf S	0.115	6.92	84.0	Rellenos	1.280	76.86	929.8	
740.000	ZA	1.260	12.60	931.9	ZA	1.050	10.51	777.1	
	AC22 bin D	0.571	5.71	422.3	AC16 surf S	0.273	2.73	201.4	
	ZA	0.665	6.66	492.3	ZA	0.460	4.61	340.6	
	AC16 surf S	0.115	1.15	85.2	Rellenos	1.280	12.81	942.6	

780.000	ZA	1.260	12.60	982.3	ZA	1.051	10.51	819.1
	AC22 bin D	0.571	5.71	445.2	AC16 surf S	0.273	2.73	212.3
	ZA	0.665	6.66	518.9	ZA	0.460	4.61	359.1
	AC16 surf S	0.115	1.15	89.8	Rellenos	1.264	12.73	993.8
790.000	ZA	1.260	12.60	994.9	ZA	1.051	10.51	829.6
	AC22 bin D	0.571	5.71	450.9	AC16 surf S	0.273	2.73	215.1
	ZA	0.665	6.66	525.6	ZA	0.460	4.61	363.7
	AC16 surf S	0.115	1.15	90.9	Rellenos	1.267	12.67	1006.4
800.000	ZA	1.260	12.61	1007.5	ZA	1.051	10.51	840.1
	AC22 bin D	0.571	5.71	456.6	AC16 surf S	0.272	2.73	217.8
	ZA	0.665	6.66	532.2	ZA	0.460	4.61	368.3
	AC16 surf S	0.115	1.15	92.1	Rellenos	1.268	12.69	1019.1
810.000	ZA	2.042	16.51	1024.0	ZA	1.790	14.20	854.3
	AC22 bin D	1.006	7.89	464.5	AC16 surf S	0.490	3.81	221.6
	ZA	0.665	6.66	538.9	ZA	0.460	4.61	372.9
	AC16 surf S	0.115	1.15	93.2	Rellenos	1.261	12.65	1031.8
820.000	ZA	1.719	18.81	1042.8	ZA	1.484	16.37	870.7
	AC22 bin D	0.825	9.16	473.7	AC16 surf S	0.400	4.45	226.1
	ZA	0.665	6.66	545.6	ZA	0.460	4.61	377.5
	AC16 surf S	0.115	1.15	94.4	Rellenos	1.254	12.58	1044.4
830.000	ZA	1.480	16.00	1058.8	ZA	1.259	13.72	884.4
	AC22 bin D	0.693	7.59	481.3	AC16 surf S	0.334	3.67	229.7
	ZA	0.665	6.66	552.2	ZA	0.460	4.61	382.1
	AC16 surf S	0.115	1.15	95.5	Rellenos	1.252	12.54	1056.9

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 10
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
840.000	ZA	1.329	14.05	1072.9	ZA	1.116	11.88	896.3
	AC22 bin D	0.610	6.52	487.8	AC16 surf S	0.291	3.13	232.8
	ZA	0.665	6.66	558.9	ZA	0.460	4.61	386.7
	AC16 surf S	0.115	1.15	96.7	Rellenos	1.232	12.43	1069.3
850.000	ZA	1.264	12.97	1085.8	ZA	1.054	10.85	907.2
	AC22 bin D	0.573	5.91	493.7	AC16 surf S	0.273	2.83	235.7
	ZA	0.665	6.66	565.6	ZA	0.460	4.61	391.4
	AC16 surf S	0.115	1.15	97.8	Rellenos	1.289	12.62	1081.9
860.000	ZA	1.259	12.62	1098.4	ZA	1.049	10.52	917.7
	AC22 bin D	0.570	5.72	499.4	AC16 surf S	0.272	2.73	238.4
	ZA	0.665	6.66	572.2	ZA	0.460	4.61	396.0
	AC16 surf S	0.115	1.15	99.0	Rellenos	1.304	12.98	1094.9
870.000	ZA	1.258	12.59	1111.0	ZA	1.049	10.50	928.2
	AC22 bin D	0.570	5.70	505.1	AC16 surf S	0.272	2.72	241.1
	ZA	0.665	6.66	578.9	ZA	0.460	4.61	400.6
	AC16 surf S	0.115	1.15	100.2	Rellenos	1.277	12.92	1107.8
880.000	ZA	1.258	12.59	1123.6	ZA	1.049	10.50	938.7
	AC22 bin D	0.571	5.71	510.8	AC16 surf S	0.272	2.72	243.8
	ZA	0.665	6.66	585.5	ZA	0.460	4.61	405.2
	AC16 surf S	0.115	1.15	101.3	Rellenos	1.250	12.65	1120.5
890.000	ZA	1.258	12.59	1136.2	ZA	1.049	10.50	949.2
	AC22 bin D	0.570	5.71	516.5	AC16 surf S	0.272	2.72	246.6
	ZA	0.665	6.66	592.2	ZA	0.460	4.61	409.8
	AC16 surf S	0.115	1.15	102.5	Rellenos	1.265	12.59	1133.1
900.000	ZA	1.259	12.59	1148.8	ZA	1.049	10.50	959.7
	AC22 bin D	0.571	5.71	522.2	AC16 surf S	0.272	2.72	249.3
	ZA	0.665	6.66	598.9	ZA	0.460	4.61	414.4
	AC16 surf S	0.115	1.15	103.6	Rellenos	1.273	12.70	1145.8
910.000	ZA	1.259	12.59	1161.4	ZA	1.049	10.50	970.2
	AC22 bin D	0.570	5.71	527.9	AC16 surf S	0.272	2.72	252.0
	ZA	0.665	6.66	605.5	ZA	0.460	4.61	419.0
	AC16 surf S	0.115	1.15	104.8	Rellenos	1.278	12.77	1158.5
920.000	ZA	1.259	12.59	1174.0	ZA	1.050	10.50	980.7
	AC22 bin D	0.570	5.70	533.7	AC16 surf S	0.272	2.72	254.7
	ZA	0.665	6.66	612.2	ZA	0.460	4.61	423.6
	AC16 surf S	0.115	1.15	105.9	Rellenos	1.280	12.80	1171.3

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 11
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
930.000	ZA	1.258	12.59	1186.6	ZA	1.049	10.50	991.2
	AC22 bin D	0.571	5.71	539.4	AC16 surf S	0.272	2.72	257.5
	ZA	0.665	6.66	618.9	ZA	0.460	4.61	428.2
	AC16 surf S	0.115	1.15	107.1	Rellenos	1.280	12.81	1184.2
940.000	ZA	1.258	12.59	1199.2	ZA	1.049	10.50	1001.7
	AC22 bin D	0.570	5.71	545.1	AC16 surf S	0.272	2.72	260.2
	ZA	0.665	6.66	625.5	ZA	0.460	4.61	432.8
	AC16 surf S	0.115	1.15	108.2	Rellenos	1.280	12.81	1197.0
950.000	ZA	1.277	12.68	1211.8	ZA	1.049	10.49	1012.1
	AC22 bin D	0.571	5.71	550.8	AC16 surf S	0.272	2.72	262.9
	ZA	0.665	6.66	632.2	ZA	0.460	4.61	437.5
	AC16 surf S	0.115	1.15	109.4	Rellenos	1.287	12.84	1209.8
957.925	ZA	1.298	10.21	1222.1	ZA	1.049	8.32	1020.5
	AC22 bin D	0.570	4.52	555.3	AC16 surf S	0.271	2.15	265.1
	ZA	0.665	5.28	637.5	ZA	0.460	3.65	441.1
	AC16 surf S	0.115	0.91	110.3	Rellenos	1.294	10.23	1220.0

960.000	ZA	1.304	2.70	1224.8	ZA	1.049	2.18	1022.6
	AC22 bin D	0.570	1.18	556.5	AC16 surf S	0.271	0.56	265.6
	ZA	0.665	1.38	638.8	ZA	0.460	0.95	442.1
	AC16 surf S	0.115	0.24	110.5	Rellenos	1.295	2.69	1222.7
970.000	ZA	1.332	13.18	1237.9	ZA	1.049	10.49	1033.1
	AC22 bin D	0.570	5.70	562.2	AC16 surf S	0.271	2.71	268.3
	ZA	0.665	6.64	645.5	ZA	0.460	4.59	446.7
	AC16 surf S	0.115	1.15	111.7	Rellenos	1.304	12.98	1235.7
980.000	ZA	1.348	13.39	1251.3	ZA	1.049	10.48	1043.6
	AC22 bin D	0.570	5.69	567.9	AC16 surf S	0.271	2.71	271.0
	ZA	0.640	6.50	652.0	ZA	0.460	4.58	451.2
	AC16 surf S	0.115	1.15	112.8	Rellenos	1.293	12.96	1248.7
990.000	ZA	1.361	13.52	1264.8	ZA	1.049	10.47	1054.1
	AC22 bin D	0.570	5.69	573.6	AC16 surf S	0.271	2.71	273.7
	ZA	0.605	6.18	658.2	ZA	0.460	4.57	455.8
	AC16 surf S	0.115	1.14	114.0	Rellenos	1.274	12.79	1261.5
1000.000	ZA	1.373	13.64	1278.5	ZA	1.049	10.46	1064.5
	AC22 bin D	0.570	5.69	579.2	AC16 surf S	0.271	2.70	276.4
	ZA	0.571	5.82	664.0	ZA	0.460	4.56	460.4
	AC16 surf S	0.115	1.14	115.1	Rellenos	1.254	12.58	1274.0

Istram 18.05.05.29 12/07/18 21:28:38 459 pagina 12
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1010.000	ZA	1.389	13.78	1292.3	ZA	1.048	10.45	1075.0
	AC22 bin D	0.571	5.69	584.9	AC16 surf S	0.271	2.70	279.1
	ZA	0.570	5.63	669.6	ZA	0.460	4.55	464.9
	AC16 surf S	0.115	1.14	116.2	Rellenos	1.260	12.50	1286.5
1020.000	ZA	1.405	13.93	1306.2	ZA	1.049	10.45	1085.4
	AC22 bin D	0.570	5.68	590.6	AC16 surf S	0.270	2.69	281.8
	ZA	0.570	5.61	675.2	ZA	0.461	4.54	469.5
	AC16 surf S	0.115	1.13	117.4	Rellenos	1.262	12.52	1299.1
1030.000	ZA	1.422	14.09	1320.3	ZA	1.049	10.44	1095.9
	AC22 bin D	0.570	5.68	596.3	AC16 surf S	0.270	2.69	284.5
	ZA	0.570	5.60	680.8	ZA	0.461	4.53	474.0
	AC16 surf S	0.115	1.13	118.5	Rellenos	1.257	12.49	1311.5
1040.000	ZA	1.437	14.24	1334.5	ZA	1.049	10.44	1106.3
	AC22 bin D	0.570	5.67	602.0	AC16 surf S	0.270	2.69	287.2
	ZA	0.570	5.58	686.4	ZA	0.461	4.52	478.5
	AC16 surf S	0.115	1.13	119.6	Rellenos	1.275	12.54	1324.1
1041.259	ZA	1.440	1.80	1336.3	ZA	1.049	1.31	1107.6
	AC22 bin D	0.570	0.71	602.7	AC16 surf S	0.270	0.34	287.5
	ZA	0.570	0.70	687.1	ZA	0.461	0.57	479.1
	AC16 surf S	0.115	0.14	119.8	Rellenos	1.276	1.59	1325.7
1050.000	ZA	1.440	12.54	1348.9	ZA	1.049	9.12	1116.7
	AC22 bin D	0.570	4.96	607.6	AC16 surf S	0.270	2.35	289.9
	ZA	0.570	4.87	692.0	ZA	0.461	3.94	483.0
	AC16 surf S	0.115	0.98	120.8	Rellenos	1.279	11.05	1336.7
1060.000	ZA	1.440	14.35	1363.2	ZA	1.049	10.43	1127.2
	AC22 bin D	0.570	5.67	613.3	AC16 surf S	0.270	2.68	292.6
	ZA	0.570	5.57	697.6	ZA	0.461	4.51	487.5
	AC16 surf S	0.115	1.13	121.9	Rellenos	1.279	12.66	1349.4
1070.000	ZA	1.440	14.35	1377.6	ZA	1.049	10.43	1137.6
	AC22 bin D	0.570	5.67	619.0	AC16 surf S	0.270	2.68	295.3
	ZA	0.570	5.58	703.1	ZA	0.461	4.51	492.0
	AC16 surf S	0.115	1.13	123.0	Rellenos	1.279	12.66	1362.0
1080.000	ZA	1.440	14.35	1391.9	ZA	1.049	10.43	1148.0
	AC22 bin D	0.570	5.67	624.6	AC16 surf S	0.270	2.68	297.9
	ZA	0.570	5.58	708.7	ZA	0.461	4.51	496.6
	AC16 surf S	0.115	1.13	124.1	Rellenos	1.280	12.66	1374.7

1140.000	ZA	1.440	14.34	1478.0	ZA	1.049	10.43	1210.6
	AC22 bin D	0.571	5.67	658.7	AC16 surf S	0.270	2.68	314.0
	ZA	0.570	5.57	742.2	ZA	0.461	4.51	523.6
	AC16 surf S	0.115	1.13	130.9	Rellenos	1.279	12.66	1450.7
1150.000	ZA	1.440	14.35	1492.3	ZA	1.049	10.43	1221.0
	AC22 bin D	0.570	5.67	664.3	AC16 surf S	0.270	2.68	316.7
	ZA	0.570	5.57	747.7	ZA	0.461	4.51	528.1
	AC16 surf S	0.115	1.13	132.0	Rellenos	1.279	12.66	1463.3
1160.000	ZA	1.440	14.35	1506.7	ZA	1.049	10.43	1231.5
	AC22 bin D	0.570	5.67	670.0	AC16 surf S	0.270	2.68	319.4
	ZA	0.570	5.58	753.3	ZA	0.461	4.51	532.7
	AC16 surf S	0.115	1.13	133.2	Rellenos	1.280	12.66	1476.0
1170.000	ZA	1.431	14.30	1521.0	ZA	1.049	10.43	1241.9
	AC22 bin D	0.571	5.67	675.7	AC16 surf S	0.270	2.68	322.1
	ZA	0.570	5.58	758.9	ZA	0.461	4.51	537.2
	AC16 surf S	0.115	1.13	134.3	Rellenos	1.276	12.64	1488.6

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 14
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1180.000	ZA	1.417	14.18	1535.1	ZA	1.068	10.52	1252.4
	AC22 bin D	0.581	5.73	681.4	AC16 surf S	0.276	2.71	324.8
	ZA	0.489	5.18	764.1	ZA	0.396	4.20	541.4
	AC16 surf S	0.099	1.05	135.3	Rellenos	1.263	12.56	1501.2
1190.000	ZA	1.507	14.54	1549.7	ZA	1.183	11.18	1263.6
	AC22 bin D	0.649	6.11	687.5	AC16 surf S	0.311	2.91	327.7
	ZA	0.389	4.29	768.4	ZA	0.306	3.44	544.8
	AC16 surf S	0.077	0.86	136.2	Rellenos	1.262	12.49	1513.7
1193.642	ZA	1.571	5.57	1555.3	ZA	1.252	4.40	1268.0
	AC22 bin D	0.690	2.42	689.9	AC16 surf S	0.331	1.16	328.9
	ZA	0.359	1.33	769.7	ZA	0.274	1.03	545.8
	AC16 surf S	0.069	0.26	136.5	Rellenos	1.268	4.55	1518.3

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 15
PROYECTO :
EJE: 49: V de servicio Dch. P.K. 98+100

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	1555.3
ZA	1268.0
AC22 bin D	689.9
AC16 surf S	328.9
ZA	769.7
ZA	545.8
AC16 surf S	136.5
Rellenos	1518.3

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 1
PROYECTO :
EJE: 52: Vía de servicio Izq. P.K 102+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	5.173	0.00	0.0	ZA	4.793	0.00	0.0
	AC22 bin D	2.772	0.00	0.0	AC16 surf S	1.371	0.00	0.0
	Rellenos	0.957	0.00	0.0				
	ZA	2.692	38.41	38.4	ZA	2.448	35.36	35.4
10.000	AC22 bin D	1.394	20.34	20.3	AC16 surf S	0.682	10.02	10.0
	Rellenos	0.935	9.24	9.2				
20.000	ZA	2.186	24.27	62.7	ZA	1.971	21.99	57.3
	AC22 bin D	1.113	12.47	32.8	AC16 surf S	0.542	6.09	16.1
	Rellenos	0.934	9.31	18.5				
	ZA	2.182	21.84	84.5	ZA	1.967	19.69	77.0
30.000	AC22 bin D	1.111	11.12	43.9	AC16 surf S	0.540	5.41	21.5
	Rellenos	0.937	9.33	27.9				
40.000	ZA	2.181	21.82	106.3	ZA	1.967	19.67	96.7
	AC22 bin D	1.110	11.10	55.0	AC16 surf S	0.541	5.40	26.9
	Rellenos	0.943	9.35	37.2				
	ZA	2.182	21.81	128.2	ZA	1.967	19.67	116.4
50.000	AC22 bin D	1.110	11.10	66.1	AC16 surf S	0.540	5.41	32.3
	Rellenos	0.927	9.28	46.5				
60.000	ZA	2.182	21.82	150.0	ZA	1.967	19.67	136.0
	AC22 bin D	1.111	11.10	77.2	AC16 surf S	0.540	5.40	37.7
	Rellenos	0.906	9.08	55.6				
	ZA	2.182	21.82	171.8	ZA	1.967	19.67	155.7
70.000	AC22 bin D	1.110	11.10	88.3	AC16 surf S	0.540	5.40	43.1
	Rellenos	0.904	8.96	64.6				
74.903	ZA	2.182	10.70	182.5	ZA	1.967	9.64	165.3
	AC22 bin D	1.110	5.44	93.8	AC16 surf S	0.540	2.65	45.8
	Rellenos	0.904	4.39	68.9				
	ZA	2.184	11.12	193.6	ZA	1.968	10.03	175.4
80.000	AC22 bin D	1.111	5.66	99.4	AC16 surf S	0.541	2.75	48.5
	Rellenos	0.912	4.59	73.5				
90.000	ZA	2.187	21.85	215.5	ZA	1.972	19.70	195.1

100.000	AC22 bin D	1.113	11.12	110.6	AC16 surf S	0.541	5.41	53.9
	Rellenos	0.929	9.14	82.7				
	ZA	2.189	21.88	237.3	ZA	1.974	19.73	214.8
	AC22 bin D	1.115	11.14	121.7	AC16 surf S	0.542	5.42	59.4
	Rellenos	0.944	9.32	92.0				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 2
PROYECTO :
EJE: 52: Vía de servicio Izq. P.K 102+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	ZA	2.193	21.91	259.3	ZA	1.978	19.76	234.6
	AC22 bin D	1.117	11.16	132.9	AC16 surf S	0.544	5.43	64.8
	Rellenos	0.938	9.39	101.4				
	ZA	2.196	21.94	281.2	ZA	1.981	19.79	254.4
120.000	AC22 bin D	1.119	11.18	144.0	AC16 surf S	0.544	5.44	70.2
	Rellenos	0.935	9.36	110.7				
128.903	ZA	2.199	19.57	300.8	ZA	1.984	17.65	272.0
	AC22 bin D	1.120	9.96	154.0	AC16 surf S	0.546	4.86	75.1
	Rellenos	0.934	8.32	119.1				
	ZA	2.200	2.41	303.2	ZA	1.984	2.18	274.2
130.000	AC22 bin D	1.120	1.23	155.2	AC16 surf S	0.546	0.60	75.7
	Rellenos	0.934	1.02	120.1				
140.000	ZA	2.203	22.01	325.2	ZA	1.987	19.85	294.0
	AC22 bin D	1.122	11.21	166.4	AC16 surf S	0.547	5.46	81.2
	Rellenos	0.936	9.35	129.4				
	ZA	2.207	22.05	347.2	ZA	1.990	19.88	313.9
150.000	AC22 bin D	1.124	11.23	177.7	AC16 surf S	0.547	5.47	86.6
	Rellenos	0.938	9.36	138.8				
160.000	ZA	2.210	22.08	369.3	ZA	1.993	19.92	333.9
	AC22 bin D	1.126	11.25	188.9	AC16 surf S	0.548	5.48	92.1
	Rellenos	0.944	9.38	148.2				
	ZA	2.213	22.11	391.4	ZA	1.997	19.95	353.8
170.000	AC22 bin D	1.128	11.27	200.2	AC16 surf S	0.549	5.48	97.6
	Rellenos	0.927	9.30	157.5				
180.000	ZA	2.216	22.14	413.6	ZA	2.000	19.98	373.8
	AC22 bin D	1.130	11.29	211.5	AC16 surf S	0.549	5.49	103.1
	Rellenos	0.911	9.11	166.6				
	ZA	2.218	9.93	423.5	ZA	2.001	8.96	382.7
184.480	AC22 bin D	1.131	5.06	216.5	AC16 surf S	0.550	2.46	105.5
	Rellenos	0.904	4.02	170.6				
190.000	ZA	2.218	12.24	435.7	ZA	2.001	11.05	393.8
	AC22 bin D	1.130	6.24	222.8	AC16 surf S	0.550	3.04	108.6
	Rellenos	0.904	4.93	175.5				
	ZA	2.218	22.18	457.9	ZA	2.001	20.01	413.8
200.000	AC22 bin D	1.131	11.30	234.1	AC16 surf S	0.549	5.50	114.1
	Rellenos	0.925	9.04	184.6				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 3
PROYECTO :
EJE: 52: Vía de servicio Izq. P.K 102+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
202.056	ZA	2.218	4.56	462.5	ZA	2.001	4.11	417.9
	AC22 bin D	1.130	2.32	236.4	AC16 surf S	0.550	1.13	115.2
	Rellenos	1.374	2.31	186.9				

Istram 18.05.05.29 17/01/19 18:49:56 1880 pagina 4
PROYECTO :
EJE: 52: Vía de servicio Izq. P.K 102+200

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	462.5
ZA	417.9
AC22 bin D	236.4
AC16 surf S	115.2
Rellenos	186.9

Istram 18.05.05.29 24/01/19 11:45:08 459 pagina 1
PROYECTO :
EJE: 58: V de servicio Izq. P.K. 114+900

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	1.301	0.00	0.0	ZA	1.230	0.00	0.0
	AC22 bin D	0.722	0.00	0.0	AC16 surf S	0.354	0.00	0.0
10.000	ZA	1.304	13.03	13.0	ZA	1.233	12.32	12.3
	AC22 bin D	0.724	7.23	7.2	AC16 surf S	0.354	3.54	3.5
20.000	ZA	1.327	13.16	26.2	ZA	1.255	12.44	24.8
	AC22 bin D	0.729	7.27	14.5	AC16 surf S	0.354	3.54	7.1
30.000	ZA	1.297	13.12	39.3	ZA	1.226	12.41	37.2

40.000	AC22 bin D	0.718	7.24	21.7	AC16 surf S	0.353	3.53	10.6
	ZA	1.329	13.13	52.4	ZA	1.257	12.42	49.6
50.000	AC22 bin D	0.729	7.24	29.0	AC16 surf S	0.354	3.53	14.1
	ZA	1.379	13.54	66.0	ZA	1.295	12.76	62.3
60.000	AC22 bin D	0.730	7.30	36.3	AC16 surf S	0.354	3.54	17.7
	ZA	1.432	14.06	80.0	ZA	1.309	13.02	75.4
70.000	AC22 bin D	0.730	7.30	43.6	AC16 surf S	0.353	3.53	21.2
	ZA	1.427	14.30	94.3	ZA	1.307	13.08	88.4
80.000	AC22 bin D	0.730	7.30	50.9	AC16 surf S	0.354	3.54	24.7
	ZA	1.422	14.25	108.6	ZA	1.305	13.06	101.5
90.000	AC22 bin D	0.730	7.30	58.2	AC16 surf S	0.354	3.54	28.3
	ZA	1.415	14.19	122.8	ZA	1.306	13.06	114.6
100.000	AC22 bin D	0.730	7.30	65.5	AC16 surf S	0.354	3.54	31.8
	ZA	1.393	14.04	136.8	ZA	1.299	13.03	127.6
110.000	AC22 bin D	0.730	7.30	72.8	AC16 surf S	0.354	3.54	35.4
	ZA	1.371	13.82	150.6	ZA	1.290	12.95	140.5
120.000	AC22 bin D	0.730	7.30	80.1	AC16 surf S	0.354	3.54	38.9
	ZA	1.355	13.63	164.2	ZA	1.280	12.85	153.4
130.000	AC22 bin D	0.730	7.30	87.4	AC16 surf S	0.354	3.54	42.4
	ZA	1.361	13.58	177.8	ZA	1.285	12.82	166.2
140.000	AC22 bin D	0.730	7.30	94.7	AC16 surf S	0.354	3.54	46.0
	ZA	1.351	13.56	191.4	ZA	1.276	12.80	179.0
150.000	AC22 bin D	0.730	7.30	102.0	AC16 surf S	0.353	3.54	49.5
	ZA	1.347	13.49	204.9	ZA	1.273	12.75	191.8
160.000	AC22 bin D	0.730	7.30	109.3	AC16 surf S	0.354	3.54	53.0
	ZA	1.300	13.24	218.1	ZA	1.229	12.51	204.3
170.000	AC22 bin D	0.721	7.26	116.6	AC16 surf S	0.354	3.54	56.6
	ZA	1.288	12.94	231.1	ZA	1.218	12.24	216.5
180.000	AC22 bin D	0.717	7.19	123.7	AC16 surf S	0.353	3.53	60.1
	ZA	1.289	12.89	243.9	ZA	1.219	12.18	228.7
	AC22 bin D	0.717	7.17	130.9	AC16 surf S	0.354	3.54	63.6

Istram 18.05.05.29 24/01/19 11:45:08 459

PROYECTO :

EJE: 58: V微 de servicio Izq. P.K. 114+900

pagina 2

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
190.000	ZA	1.326	13.07	257.0	ZA	1.252	12.35	241.0
	AC22 bin D	0.723	7.20	138.1	AC16 surf S	0.354	3.54	67.2
200.000	ZA	1.320	13.23	270.2	ZA	1.248	12.50	253.5
	AC22 bin D	0.724	7.24	145.4	AC16 surf S	0.354	3.54	70.7
210.000	ZA	1.324	13.22	283.5	ZA	1.252	12.50	266.0
	AC22 bin D	0.728	7.26	152.6	AC16 surf S	0.354	3.54	74.2
220.000	ZA	1.352	13.38	296.8	ZA	1.277	12.64	278.7
	AC22 bin D	0.730	7.29	159.9	AC16 surf S	0.354	3.54	77.8
230.000	ZA	1.395	13.73	310.6	ZA	1.303	12.90	291.6
	AC22 bin D	0.730	7.30	167.2	AC16 surf S	0.354	3.54	81.3
240.000	ZA	1.442	14.19	324.8	ZA	1.310	13.07	304.6
	AC22 bin D	0.730	7.30	174.5	AC16 surf S	0.354	3.54	84.9
250.000	ZA	1.403	14.23	339.0	ZA	1.284	12.97	317.6
	AC22 bin D	0.730	7.30	181.8	AC16 surf S	0.354	3.54	88.4
260.000	ZA	1.481	14.42	353.4	ZA	1.310	12.97	330.6
	AC22 bin D	0.730	7.30	189.1	AC16 surf S	0.354	3.54	91.9
270.000	ZA	1.477	14.79	368.2	ZA	1.310	13.10	343.7
	AC22 bin D	0.730	7.30	196.4	AC16 surf S	0.354	3.54	95.5
280.000	ZA	1.390	14.34	382.5	ZA	1.279	12.95	356.6
	AC22 bin D	0.730	7.30	203.7	AC16 surf S	0.354	3.54	99.0
290.000	ZA	1.454	14.22	396.8	ZA	1.310	12.95	369.6
	AC22 bin D	0.730	7.30	211.0	AC16 surf S	0.354	3.54	102.5
300.000	ZA	1.406	14.30	411.1	ZA	1.302	13.06	382.6
	AC22 bin D	0.730	7.30	218.3	AC16 surf S	0.353	3.54	106.1
310.000	ZA	1.411	14.08	425.2	ZA	1.308	13.05	395.7
	AC22 bin D	0.730	7.30	225.6	AC16 surf S	0.353	3.53	109.6
320.000	ZA	1.398	14.05	439.2	ZA	1.303	13.05	408.7
	AC22 bin D	0.730	7.30	232.9	AC16 surf S	0.353	3.53	113.2
330.000	ZA	1.386	13.92	453.1	ZA	1.298	13.01	421.7
	AC22 bin D	0.730	7.30	240.2	AC16 surf S	0.354	3.54	116.7
340.000	ZA	1.384	13.85	467.0	ZA	1.298	12.98	434.7
	AC22 bin D	0.730	7.30	247.5	AC16 surf S	0.353	3.54	120.2
350.000	ZA	1.386	13.85	480.8	ZA	1.299	12.99	447.7
	AC22 bin D	0.730	7.30	254.8	AC16 surf S	0.353	3.53	123.8
360.000	ZA	1.409	13.97	494.8	ZA	1.301	13.00	460.7
	AC22 bin D	0.730	7.30	262.2	AC16 surf S	0.354	3.54	127.3
370.000	ZA	1.400	14.04	508.8	ZA	1.302	13.01	473.7
	AC22 bin D	0.730	7.30	269.5	AC16 surf S	0.354	3.54	130.8

Istram 18.05.05.29 24/01/19 11:45:08 459

PROYECTO :

EJE: 58: V微 de servicio Izq. P.K. 114+900

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	ZA	1.421	14.10	522.9	ZA	1.303	13.03	486.8
	AC22 bin D	0.730	7.30	276.8	AC16 surf S	0.353	3.54	134.4
390.000	ZA	1.438	14.30	537.2	ZA	1.306	13.05	499.8
	AC22 bin D	0.731	7.30	284.1	AC16 surf S	0.354	3.54	137.9
400.000	ZA	1.440	14.39	551.6	ZA	1.307	13.06	512.9
	AC22 bin D	0.730	7.30	291.4	AC16 surf S	0.353	3.54	141.4
410.000	ZA	1.438	14.39	566.0	ZA	1.306	13.06	525.9

420.000	AC22 bin D	0.730	7.30	298.7	AC16 surf S	0.353	3.53	145.0
	ZA	1.379	14.08	580.1	ZA	1.296	13.01	538.9
430.000	AC22 bin D	0.730	7.30	306.0	AC16 surf S	0.354	3.54	148.5
	ZA	1.374	13.76	593.9	ZA	1.285	12.90	551.8
440.000	AC22 bin D	0.730	7.30	313.3	AC16 surf S	0.354	3.54	152.0
	ZA	1.437	14.05	607.9	ZA	1.310	12.97	564.8
450.000	AC22 bin D	0.730	7.30	320.6	AC16 surf S	0.353	3.54	155.6
	ZA	1.350	13.94	621.8	ZA	1.270	12.90	577.7
460.000	AC22 bin D	0.729	7.29	327.9	AC16 surf S	0.354	3.54	159.1
	ZA	1.320	13.35	635.2	ZA	1.247	12.59	590.3
470.000	AC22 bin D	0.725	7.27	335.1	AC16 surf S	0.354	3.54	162.7
	ZA	1.309	13.14	648.3	ZA	1.237	12.42	602.7
480.000	AC22 bin D	0.724	7.25	342.4	AC16 surf S	0.353	3.54	166.2
	ZA	1.303	13.06	661.4	ZA	1.232	12.34	615.1
490.000	AC22 bin D	0.722	7.23	349.6	AC16 surf S	0.354	3.54	169.7
	ZA	1.301	13.02	674.4	ZA	1.231	12.31	627.4
500.000	AC22 bin D	0.720	7.21	356.8	AC16 surf S	0.353	3.54	173.3
	ZA	1.311	13.06	687.5	ZA	1.239	12.35	639.7
510.000	AC22 bin D	0.724	7.22	364.1	AC16 surf S	0.353	3.53	176.8
	ZA	1.328	13.20	700.7	ZA	1.255	12.47	652.2
520.000	AC22 bin D	0.726	7.25	371.3	AC16 surf S	0.354	3.54	180.3
	ZA	1.312	13.20	713.9	ZA	1.241	12.48	664.7
530.000	AC22 bin D	0.727	7.27	378.6	AC16 surf S	0.354	3.54	183.9
	ZA	1.301	13.07	726.9	ZA	1.230	12.36	677.0
540.000	AC22 bin D	0.723	7.25	385.8	AC16 surf S	0.354	3.54	187.4
	ZA	1.290	12.95	739.9	ZA	1.220	12.25	689.3
550.000	AC22 bin D	0.718	7.21	393.0	AC16 surf S	0.354	3.54	190.9
	ZA	1.296	12.93	752.8	ZA	1.225	12.22	701.5
560.000	AC22 bin D	0.719	7.18	400.2	AC16 surf S	0.353	3.53	194.5
	ZA	1.305	13.00	765.8	ZA	1.234	12.30	713.8
	AC22 bin D	0.717	7.18	407.4	AC16 surf S	0.353	3.53	198.0

Istram 18.05.05.29 24/01/19 11:45:08 459

PROYECTO :

EJE: 58: V微 de servicio Izq. P.K. 114+900

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
570.000	ZA	1.311	13.08	778.9	ZA	1.239	12.36	726.2
	AC22 bin D	0.717	7.17	414.6	AC16 surf S	0.352	3.52	201.5
580.000	ZA	1.316	13.14	792.0	ZA	1.243	12.41	738.6
	AC22 bin D	0.719	7.18	421.7	AC16 surf S	0.353	3.53	205.1
590.000	ZA	1.325	13.20	805.2	ZA	1.250	12.46	751.0
	AC22 bin D	0.720	7.19	428.9	AC16 surf S	0.353	3.53	208.6
600.000	ZA	1.330	13.27	818.5	ZA	1.253	12.51	763.5
	AC22 bin D	0.720	7.20	436.1	AC16 surf S	0.353	3.53	212.1
610.000	ZA	1.330	13.30	831.8	ZA	1.253	12.53	776.1
	AC22 bin D	0.721	7.21	443.3	AC16 surf S	0.354	3.53	215.7
620.000	ZA	1.331	13.30	845.1	ZA	1.256	12.55	788.6
	AC22 bin D	0.725	7.23	450.6	AC16 surf S	0.354	3.54	219.2
630.000	ZA	1.340	13.35	858.5	ZA	1.265	12.60	801.2
	AC22 bin D	0.728	7.27	457.8	AC16 surf S	0.354	3.54	222.7
640.000	ZA	1.346	13.43	871.9	ZA	1.270	12.67	813.9
	AC22 bin D	0.730	7.29	465.1	AC16 surf S	0.354	3.54	226.3
650.000	ZA	1.342	13.44	885.3	ZA	1.269	12.70	826.6

* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	ZA	1.567	0.00	0.0	ZA	1.389	0.00	0.0	
	AC22 bin D	0.771	0.00	0.0	AC16 surf S	0.366	0.00	0.0	
	Rellenos	0.378	0.00	0.0					
10.000	ZA	1.566	15.66	15.7	ZA	1.389	13.89	13.9	
	AC22 bin D	0.771	7.71	7.7	AC16 surf S	0.366	3.66	3.7	
	Rellenos	0.374	3.76	3.8					
20.000	ZA	1.559	15.63	31.3	ZA	1.389	13.89	27.8	
	AC22 bin D	0.771	7.71	15.4	AC16 surf S	0.366	3.66	7.3	
	Rellenos	0.345	3.60	7.4					
30.000	ZA	1.553	15.56	46.8	ZA	1.390	13.89	41.7	
	AC22 bin D	0.770	7.70	23.1	AC16 surf S	0.366	3.66	11.0	
	Rellenos	0.327	3.36	10.7					
40.000	ZA	1.546	15.49	62.3	ZA	1.389	13.89	55.6	
	AC22 bin D	0.771	7.70	30.8	AC16 surf S	0.366	3.66	14.6	
	Rellenos	0.315	3.21	13.9					
50.000	ZA	1.555	15.51	77.8	ZA	1.389	13.89	69.5	
	AC22 bin D	0.771	7.71	38.5	AC16 surf S	0.366	3.66	18.3	
	Rellenos	0.333	3.24	17.2					
60.000	ZA	1.546	15.50	93.4	ZA	1.390	13.89	83.4	
	AC22 bin D	0.770	7.70	46.2	AC16 surf S	0.366	3.66	21.9	
	Rellenos	0.314	3.24	20.4					
70.000	ZA	1.544	15.45	108.8	ZA	1.390	13.90	97.3	
	AC22 bin D	0.770	7.70	53.9	AC16 surf S	0.366	3.66	25.6	
	Rellenos	0.312	3.13	23.6					
80.000	ZA	1.559	15.52	124.3	ZA	1.389	13.89	111.2	
	AC22 bin D	0.771	7.70	61.6	AC16 surf S	0.366	3.66	29.2	
	Rellenos	0.348	3.30	26.9					
90.000	ZA	1.553	15.56	139.9	ZA	1.389	13.89	125.0	
	AC22 bin D	0.771	7.71	69.3	AC16 surf S	0.366	3.66	32.9	
	Rellenos	0.328	3.38	30.2					
100.000	ZA	1.442	14.97	154.9	ZA	1.316	13.53	138.6	
	AC22 bin D	0.749	7.60	76.9	AC16 surf S	0.360	3.63	36.5	
	Rellenos	0.224	2.76	33.0					
110.000	ZA	1.451	14.47	169.3	ZA	1.324	13.20	151.8	
	AC22 bin D	0.751	7.50	84.4	AC16 surf S	0.359	3.59	40.1	
	Rellenos	0.225	2.25	35.2					

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 2

PROYECTO :

EJE: 59: V de servicio Izq. P.K. 116+600

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
120.000	ZA	1.462	14.57	183.9	ZA	1.335	13.30	165.1	
	AC22 bin D	0.751	7.51	91.9	AC16 surf S	0.360	3.59	43.7	
	Rellenos	0.225	2.25	37.5					
130.000	ZA	1.477	14.69	198.6	ZA	1.344	13.40	178.5	
	AC22 bin D	0.751	7.51	99.4	AC16 surf S	0.360	3.60	47.3	
	Rellenos	0.224	2.25	39.7					
140.000	ZA	1.474	14.76	213.3	ZA	1.343	13.44	191.9	
	AC22 bin D	0.751	7.51	107.0	AC16 surf S	0.360	3.60	50.9	
	Rellenos	0.224	2.25	42.0					
150.000	ZA	1.453	14.63	228.0	ZA	1.325	13.34	205.2	
	AC22 bin D	0.751	7.51	114.5	AC16 surf S	0.359	3.59	54.5	
	Rellenos	0.225	2.25	44.2					
160.000	ZA	1.448	14.50	242.5	ZA	1.322	13.24	218.5	
	AC22 bin D	0.750	7.50	122.0	AC16 surf S	0.360	3.60	58.1	
	Rellenos	0.224	2.25	46.5					
170.000	ZA	1.457	14.52	257.0	ZA	1.329	13.25	231.7	
	AC22 bin D	0.751	7.50	129.5	AC16 surf S	0.360	3.60	61.7	
	Rellenos	0.224	2.25	48.7					
180.000	ZA	1.456	14.56	271.6	ZA	1.329	13.29	245.0	
	AC22 bin D	0.750	7.51	137.0	AC16 surf S	0.360	3.60	65.3	
	Rellenos	0.224	2.25	51.0					
190.000	ZA	1.450	14.53	286.1	ZA	1.324	13.26	258.3	
	AC22 bin D	0.750	7.50	144.5	AC16 surf S	0.359	3.60	68.9	
	Rellenos	0.225	2.25	53.2					
200.000	ZA	1.448	14.49	300.6	ZA	1.322	13.23	271.5	
	AC22 bin D	0.750	7.50	152.0	AC16 surf S	0.360	3.60	72.5	
	Rellenos	0.224	2.25	55.5					
210.000	ZA	1.452	14.50	315.1	ZA	1.326	13.24	284.8	
	AC22 bin D	0.750	7.50	159.5	AC16 surf S	0.360	3.60	76.1	
	Rellenos	0.224	2.25	57.7					
220.000	ZA	1.456	14.54	329.6	ZA	1.329	13.27	298.0	
	AC22 bin D	0.750	7.50	167.0	AC16 surf S	0.360	3.60	79.7	
	Rellenos	0.224	2.25	60.0					
230.000	ZA	1.535	14.95	344.6	ZA	1.389	13.59	311.6	
	AC22 bin D	0.770	7.60	174.6	AC16 surf S	0.366	3.63	83.3	
	Rellenos	0.300	2.62	62.6					

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 3

PROYECTO :

EJE: 59: V de servicio Izq. P.K. 116+600

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

240.000	ZA	1.548	15.42	360.0	ZA	1.390	13.89	325.5	
	AC22 bin D	0.770	7.70	182.3	AC16 surf S	0.366	3.66	87.0	
	Rellenos	0.319	3.10	65.7					
250.000	ZA	1.558	15.53	375.5	ZA	1.389	13.89	339.4	
	AC22 bin D	0.770	7.70	190.0	AC16 surf S	0.366	3.66	90.6	
	Rellenos	0.343	3.31	69.0					
260.000	ZA	1.566	15.62	391.2	ZA	1.389	13.89	353.3	
	AC22 bin D	0.770	7.70	197.7	AC16 surf S	0.366	3.66	94.3	
	Rellenos	0.373	3.58	72.6					
270.000	ZA	1.569	15.68	406.8	ZA	1.389	13.89	367.2	
	AC22 bin D	0.770	7.70	205.4	AC16 surf S	0.366	3.66	98.0	
	Rellenos	0.407	3.90	76.5					
280.000	ZA	1.570	15.70	422.5	ZA	1.389	13.89	381.1	
	AC22 bin D	0.771	7.70	213.1	AC16 surf S	0.366	3.66	101.6	
	Rellenos	0.449	4.28	80.7					
290.000	ZA	1.570	15.70	438.2	ZA	1.389	13.89	395.0	
	AC22 bin D	0.770	7.70	220.8	AC16 surf S	0.366	3.66	105.3	
	Rellenos	0.449	4.49	85.2					
300.000	ZA	1.570	15.70	453.9	ZA	1.389	13.89	408.9	
	AC22 bin D	0.770	7.70	228.5	AC16 surf S	0.366	3.66	108.9	
	Rellenos	0.449	4.49	89.7					
310.000	ZA	1.570	15.70	469.6	ZA	1.389	13.89	422.8	
	AC22 bin D	0.771	7.70	236.2	AC16 surf S	0.366	3.66	112.6	
	Rellenos	0.449	4.49	94.2					
320.000	ZA	1.570	15.70	485.3	ZA	1.389	13.89	436.7	
	AC22 bin D	0.771	7.71	243.9	AC16 surf S	0.366	3.66	116.2	
	Rellenos	0.449	4.49	98.7					
330.000	ZA	1.570	15.70	501.0	ZA	1.389	13.89	450.5	
	AC22 bin D	0.770	7.70	251.6	AC16 surf S	0.366	3.66	119.9	
	Rellenos	0.449	4.49	103.2					
340.000	ZA	1.570	15.70	516.7	ZA	1.389	13.89	464.4	
	AC22 bin D	0.770	7.70	259.3	AC16 surf S	0.366	3.66	123.6	
	Rellenos	0.449	4.49	107.7					
344.383	ZA	1.570	6.88	523.6	ZA	1.390	6.09	470.5	
	AC22 bin D	0.770	3.38	262.7	AC16 surf S	0.366	1.60	125.2	
	Rellenos	0.449	1.97	109.6					

Istram 18.05.05.29 12/07/18 20:58:24 459 pagina 4

PROYECTO :

EJE: 59: V de servicio Izq. P.K. 116+600

* * * RESUMEN DE VOLUMENES TOTALES * * *									
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MATERIAL	VOLUMEN
ZA	523.6
ZA	470.5
AC22 bin D	262.7
AC16 surf S	125.2
Rellenos	109.6

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina 1

PROYECTO :

EJE: 74: Vía de servicio Izq. P.K. 117+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
CAPAS DE FIRME									
* * * cubicacion segun distancias compensadas * * *									

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	2.172	0.00	0.0	AC32 base G	1.036	0.00	0.0
	AC22 bin D	0.537	0.00	0.0	AC16 surf S	0.366	0.00	0.0
	Rellenos	0.376	0.00	0.0				
10.000	ZA	2.162	21.67	21.7	AC32 base G	1.036	10.36	10.4
	AC22 bin D	0.537	5.37	5.4	AC16 surf S	0.366	3.66	3.7
	Rellenos	0.342	3.59	3.6				
20.000	ZA	2.147	21.54	43.2	AC32 base G	1.037	10.36	20.7
	AC22 bin D	0.537	5.37	10.7	AC16 surf S	0.365	3.66	7.3
	Rellenos	0.254	2.98	6.6				
30.000	ZA	2.181	21.64	64.8	AC32 base G	1.036	10.36	31.1
	AC22 bin D	0.537	5.37	16.1	AC16 surf S	0.371	3.68	11.0
	Rellenos	1.057	6.55	13.1				
40.000	ZA	2.195	21.88	86.7	AC32 base G	1.037	10.37	41.5
	AC22 bin D	0.537	5.37	21.5	AC16 surf S	0.371	3.71	14.7
	Rellenos	1.069	10.63	23.8				
50.000	ZA	2.245	22.20	108.9	AC32 base G	1.055	10.46	51.9
	AC22 bin D	0.547	5.42	26.9	AC16 surf S	0.375	3.73	18.4
	Rellenos	0.751	9.10	32.8				
60.000	ZA	2.307	22.77	131.7	AC32 base G	1.082	10.69	62.6
	AC22 bin D	0.561	5.54	32.4	AC16 surf S	0.388	3.82	22.3
	Rellenos	1.034	8.91	41.8				
70.000	ZA	2.360	23.34	155.0	AC32 base G	1.108	10.95	73.6
	AC22 bin D	0.576	5.68	38.1	AC16 surf S	0.398	3.93	26.2
	Rellenos	1.087	10.60	52.4				
80.000	ZA	2.425	23.94	179.0	AC32 base G	1.134	11.21	84.8
	AC22 bin D	0.590	5.83	44.0	AC16 surf S	0.408	4.03	30.2
	Rellenos	1.123	11.05	63.4				
90.000	ZA	2.493	24.61	203.6	AC32 base G	1.161	11.48	96.2
	AC22 bin D	0.604	5.97	49.9	AC16 surf S	0.417	4.13	34.3
	Rellenos	1.135	11.30	74.7				
100.000	ZA	2.503	25.01	228.6	AC32 base G	1.165	11.63	107.9
	AC22 bin D	0.606	6.05	56.0	AC16 surf S	0.420	4.18	38.5
	Rellenos	1.142	11.39	86.1				
110.000	ZA	2.503	25.06	253.7	AC32 base G	1.165	11.65	119.5
	AC22 bin D	0.607	6.07	62.0	AC16 surf S	0.420	4.20	42.7
	Rellenos	1.142	11.43	97.5				

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina 2
PROYECTO :
EJE: 74: Vía de servicio Izq. P.K. 117+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	ZA	2.503		25.06	278.7	AC32 base G	1.165		11.65	131.2
	AC22 bin D	0.606		6.06	68.1	AC16 surf S	0.420		4.20	46.9
	Rellenos	1.115		11.30	108.8					
130.000	ZA	2.452		24.80	303.5	AC32 base G	1.145		11.55	142.7
	AC22 bin D	0.595		6.01	74.1	AC16 surf S	0.412		4.16	51.1
	Rellenos	1.136		11.27	120.1					
140.000	ZA	2.384		24.20	327.7	AC32 base G	1.118		11.31	154.0
	AC22 bin D	0.581		5.88	80.0	AC16 surf S	0.402		4.07	55.2
	Rellenos	1.125		11.31	131.4					
150.000	ZA	2.328		23.57	351.3	AC32 base G	1.092		11.05	165.1
	AC22 bin D	0.567		5.74	85.7	AC16 surf S	0.392		3.97	59.1
	Rellenos	1.130		11.28	142.7					
160.000	ZA	2.276		23.02	374.3	AC32 base G	1.065		10.79	175.9
	AC22 bin D	0.553		5.60	91.3	AC16 surf S	0.382		3.87	63.0
	Rellenos	1.130		11.30	154.0					
170.000	ZA	2.225		22.50	396.8	AC32 base G	1.039		10.52	186.4
	AC22 bin D	0.538		5.46	96.8	AC16 surf S	0.372		3.77	66.8
	Rellenos	1.130		11.30	165.3					
180.000	ZA	2.277		22.51	419.3	AC32 base G	1.066		10.52	196.9
	AC22 bin D	0.553		5.46	102.2	AC16 surf S	0.382		3.77	70.5
	Rellenos	1.131		11.31	176.6					
190.000	ZA	2.341		23.09	442.4	AC32 base G	1.099		10.83	207.7
	AC22 bin D	0.571		5.62	107.9	AC16 surf S	0.395		3.89	74.4
	Rellenos	1.130		11.30	187.9					
200.000	ZA	2.405		23.74	466.1	AC32 base G	1.133		11.16	218.9
	AC22 bin D	0.589		5.80	113.7	AC16 surf S	0.408		4.02	78.4
	Rellenos	1.130		11.30	199.2					
210.000	ZA	2.645		25.24	491.4	AC32 base G	1.253		11.92	230.8
	AC22 bin D	0.654		6.21	119.9	AC16 surf S	0.454		4.31	82.7
	Rellenos	1.135		11.32	210.5					
220.000	ZA	4.485		35.28	526.7	AC32 base G	2.162		16.90	247.7
	AC22 bin D	1.142		8.89	128.8	AC16 surf S	0.801		6.21	89.0
	Rellenos	0.800		9.70	220.2					
226.623	ZA	7.956		39.63	566.3	AC32 base G	3.708		18.80	266.5
	AC22 bin D	1.975		9.98	138.7	AC16 surf S	1.395		7.04	96.0
	Rellenos	0.759		5.20	225.4					

Istram 18.05.05.29 17/01/19 18:50:03 1880 pagina 3
PROYECTO :
EJE: 74: Vía de servicio Izq. P.K. 117+200

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	566.3
AC32 base G	266.5
AC22 bin D	138.7
AC16 surf S	96.0
Rellenos	225.4

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 1
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
18.318	ZA	1.749		0.00	0.0	ZA	1.421		0.00	0.0
	AC22 bin D	0.789		0.00	0.0	AC16 surf S	0.380		0.00	0.0
	ZA	0.346		0.00	0.0	ZA	0.264		0.00	0.0
	AC16 surf S	0.066		0.00	0.0	Rellenos	1.267		0.00	0.0
20.000	ZA	1.720		2.84	2.8	ZA	1.394		2.30	2.3
	AC22 bin D	0.773		1.27	1.3	AC16 surf S	0.372		0.61	0.6
	ZA	0.363		0.54	0.5	ZA	0.277		0.42	0.4
	AC16 surf S	0.069		0.10	0.1	Rellenos	1.269		2.04	2.0
30.000	ZA	1.574		16.08	18.9	ZA	1.256		12.88	15.2
	AC22 bin D	0.692		7.12	8.4	AC16 surf S	0.332		3.42	4.0
	ZA	0.462		3.78	4.3	ZA	0.349		2.88	3.3
	AC16 surf S	0.087		0.72	0.8	Rellenos	1.274		12.20	14.2
33.080	ZA	1.539		4.69	23.6	ZA	1.221		3.72	18.9
	AC22 bin D	0.672		2.05	10.4	AC16 surf S	0.321		0.98	5.0
	ZA	0.493		1.35	5.7	ZA	0.371		1.02	4.3
	AC16 surf S	0.093		0.26	1.1	Rellenos	1.275		3.77	18.0
40.000	ZA	1.476		10.24	33.9	ZA	1.162		8.07	27.0
	AC22 bin D	0.637		4.43	14.9	AC16 surf S	0.304		2.12	7.1
	ZA	0.563		3.39	9.1	ZA	0.421		2.55	6.9
	AC16 surf S	0.105		0.64	1.7	Rellenos	1.279		8.52	26.5
50.000	ZA	1.448		14.42	48.3	ZA	1.136		11.31	38.3
	AC22 bin D	0.622		6.19	21.1	AC16 surf S	0.297		2.95	10.1
	ZA	0.618		5.56	14.6	ZA	0.460		4.16	11.0
	AC16 surf S	0.115		1.04	2.8	Rellenos	1.281		12.43	39.0
60.000	ZA	1.414		14.17	62.5	ZA	1.104		11.07	49.4
	AC22 bin D	0.602		6.05	27.1	AC16 surf S	0.287		2.88	13.0

	ZA	0.618	5.92	20.6	ZA	0.460	4.42	15.5
70.000	AC16 surf S	0.115	1.11	3.9	Rellenos	1.281	12.54	51.5
	ZA	1.379	13.89	76.3	ZA	1.071	10.80	60.2
	AC22 bin D	0.583	5.89	33.0	AC16 surf S	0.277	2.80	15.8
	ZA	0.618	6.02	26.6	ZA	0.460	4.49	19.9
79.970	AC16 surf S	0.115	1.12	5.0	Rellenos	1.281	12.64	64.1
	ZA	1.356	13.60	89.9	ZA	1.049	10.54	70.7
	AC22 bin D	0.570	5.73	38.7	AC16 surf S	0.271	2.72	18.5
	ZA	0.618	6.09	32.7	ZA	0.460	4.54	24.5
	AC16 surf S	0.115	1.13	6.1	Rellenos	1.280	12.70	76.8

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 2
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
80.000	ZA	1.356		0.04	90.0	ZA	1.049		0.03	70.7
	AC22 bin D	0.570		0.02	38.8	AC16 surf S	0.271		0.01	18.5
	ZA	0.617		0.02	32.7	ZA	0.460		0.01	24.5
	AC16 surf S	0.115		0.00	6.1	Rellenos	1.280		0.04	76.9
90.000	ZA	1.356		13.55	103.5	ZA	1.049		10.48	81.2
	AC22 bin D	0.570		5.70	44.5	AC16 surf S	0.271		2.70	21.2
	ZA	0.618		6.15	38.8	ZA	0.460		4.59	29.1
	AC16 surf S	0.115		1.14	7.3	Rellenos	1.280		12.78	89.6
100.000	ZA	1.357		13.55	117.1	ZA	1.049		10.48	91.7
	AC22 bin D	0.570		5.69	50.1	AC16 surf S	0.271		2.70	23.9
	ZA	0.618		6.15	45.0	ZA	0.460		4.59	33.7
	AC16 surf S	0.115		1.15	8.4	Rellenos	1.281		12.78	102.4
110.000	ZA	1.356		13.55	130.6	ZA	1.049		10.48	102.2
	AC22 bin D	0.570		5.70	55.8	AC16 surf S	0.271		2.70	26.6
	ZA	0.618		6.15	51.1	ZA	0.460		4.59	38.3
	AC16 surf S	0.115		1.14	9.6	Rellenos	1.281		12.78	115.2
120.000	ZA	1.356		13.55	144.2	ZA	1.049		10.48	112.6
	AC22 bin D	0.571		5.70	61.5	AC16 surf S	0.271		2.70	29.3
	ZA	0.618		6.15	57.3	ZA	0.460		4.59	42.8
	AC16 surf S	0.115		1.14	10.7	Rellenos	1.281		12.78	128.0
130.000	ZA	1.356		13.55	157.7	ZA	1.049		10.48	123.1
	AC22 bin D	0.570		5.70	67.2	AC16 surf S	0.271		2.70	32.0
	ZA	0.617		6.15	63.4	ZA	0.460		4.59	47.4
	AC16 surf S	0.115		1.14	11.9	Rellenos	1.281		12.78	140.8
140.000	ZA	1.356		13.55	171.3	ZA	1.049		10.48	133.6
	AC22 bin D	0.570		5.70	72.9	AC16 surf S	0.271		2.70	34.7
	ZA	0.617		6.15	69.6	ZA	0.460		4.59	52.0
	AC16 surf S	0.115		1.14	13.0	Rellenos	1.281		12.78	153.5
150.000	ZA	1.356		13.55	184.8	ZA	1.049		10.48	144.1
	AC22 bin D	0.570		5.70	78.6	AC16 surf S	0.271		2.71	37.4
	ZA	0.618		6.15	75.7	ZA	0.460		4.59	56.6
	AC16 surf S	0.115		1.14	14.1	Rellenos	1.280		12.78	166.3
160.000	ZA	1.356		13.55	198.4	ZA	1.049		10.48	154.6
	AC22 bin D	0.570		5.69	84.3	AC16 surf S	0.271		2.71	40.1
	ZA	0.617		6.15	81.9	ZA	0.460		4.59	61.2
	AC16 surf S	0.115		1.14	15.3	Rellenos	1.280		12.78	179.1

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 3
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
170.000	ZA	1.356		13.55	211.9	ZA	1.049		10.48	165.0
	AC22 bin D	0.570		5.69	90.0	AC16 surf S	0.271		2.71	42.9
	ZA	0.618		6.15	88.0	ZA	0.460		4.59	65.8
	AC16 surf S	0.115		1.15	16.4	Rellenos	1.281		12.78	191.9
180.000	ZA	1.356		13.55	225.5	ZA	1.049		10.48	175.5
	AC22 bin D	0.570		5.70	95.7	AC16 surf S	0.271		2.70	45.6
	ZA	0.618		6.15	94.2	ZA	0.460		4.59	70.4
	AC16 surf S	0.115		1.15	17.6	Rellenos	1.738		15.05	206.9
190.000	ZA	1.356		13.55	239.0	ZA	1.049		10.48	186.0
	AC22 bin D	0.570		5.70	101.4	AC16 surf S	0.271		2.70	48.3
	ZA	0.618		6.15	100.3	ZA	0.460		4.59	75.0
	AC16 surf S	0.115		1.14	18.7	Rellenos	1.260		14.95	221.9
200.000	ZA	1.356		13.55	252.6	ZA	1.049		10.48	196.5
	AC22 bin D	0.570		5.70	107.1	AC16 surf S	0.271		2.70	51.0
	ZA	0.618		6.15	106.5	ZA	0.460		4.59	79.5
	AC16 surf S	0.115		1.14	19.9	Rellenos	1.271		12.63	234.5
210.000	ZA	1.356		13.55	266.1	ZA	1.049		10.48	207.0
	AC22 bin D	0.570		5.70	112.8	AC16 surf S	0.271		2.70	53.7
	ZA	0.618		6.15	112.6	ZA	0.460		4.59	84.1
	AC16 surf S	0.115		1.15	21.0	Rellenos	1.277		12.71	247.2
220.000	ZA	1.356		13.55	279.7	ZA	1.049		10.48	217.4
	AC22 bin D	0.570		5.69	118.5	AC16 surf S	0.271		2.70	56.4
	ZA	0.618		6.15	118.8	ZA	0.460		4.59	88.7
	AC16 surf S	0.115		1.15	22.2	Rellenos	1.280		12.76	260.0
230.000	ZA	1.357		13.55	293.2	ZA	1.049		10.48	227.9
	AC22 bin D	0.570		5.70	124.2	AC16 surf S	0.271		2.70	59.1
	ZA	0.618		6.15	124.9	ZA	0.460		4.59	93.3
	AC16 surf S	0.115		1.15	23.3	Rellenos	1.281		12.78	272.8
240.000	ZA	1.356		13.55	306.8	ZA	1.049		10.48	238.4
	AC22 bin D	0.570		5.70	129.9	AC16 surf S	0.271		2.70	61.9

	ZA	0.618	6.15	131.1	ZA	0.460	4.59	97.9
	AC16 surf S	0.115	1.15	24.4	Rellenos	1.280	12.78	285.5
250.000	ZA	1.356	13.55	320.3	ZA	1.049	10.48	248.9
	AC22 bin D	0.570	5.70	135.6	AC16 surf S	0.271	2.70	64.5
	ZA	0.618	6.15	137.2	ZA	0.460	4.59	102.5
	AC16 surf S	0.115	1.14	25.6	Rellenos	1.281	12.78	298.3

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 4
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	ZA	1.356	13.55	333.9	ZA	1.049	10.48	259.4
	AC22 bin D	0.570	5.70	141.3	AC16 surf S	0.271	2.70	67.2
	ZA	0.618	6.15	143.4	ZA	0.460	4.59	107.1
	AC16 surf S	0.115	1.15	26.7	Rellenos	1.280	12.78	311.1
270.000	ZA	1.356	13.55	347.4	ZA	1.049	10.48	269.8
	AC22 bin D	0.570	5.69	147.0	AC16 surf S	0.271	2.70	69.9
	ZA	0.618	6.15	149.5	ZA	0.460	4.59	111.6
	AC16 surf S	0.115	1.15	27.9	Rellenos	1.281	12.78	323.9
280.000	ZA	1.357	13.55	361.0	ZA	1.049	10.48	280.3
	AC22 bin D	0.570	5.70	152.7	AC16 surf S	0.271	2.70	72.6
	ZA	0.618	6.15	155.7	ZA	0.460	4.59	116.2
	AC16 surf S	0.115	1.15	29.0	Rellenos	1.281	12.78	336.7
290.000	ZA	1.356	13.55	374.5	ZA	1.049	10.48	290.8
	AC22 bin D	0.570	5.70	158.4	AC16 surf S	0.271	2.70	75.3
	ZA	0.618	6.15	161.9	ZA	0.460	4.59	120.8
	AC16 surf S	0.115	1.15	30.2	Rellenos	1.280	12.78	349.4
300.000	ZA	1.356	13.55	388.1	ZA	1.049	10.48	301.3
	AC22 bin D	0.570	5.70	164.1	AC16 surf S	0.271	2.70	78.0
	ZA	0.618	6.15	168.0	ZA	0.460	4.59	125.4
	AC16 surf S	0.115	1.14	31.3	Rellenos	1.281	12.78	362.2
310.000	ZA	1.356	13.55	401.6	ZA	1.049	10.48	311.8
	AC22 bin D	0.570	5.70	169.8	AC16 surf S	0.271	2.70	80.7
	ZA	0.618	6.15	174.2	ZA	0.460	4.59	130.0
	AC16 surf S	0.115	1.15	32.5	Rellenos	1.280	12.78	375.0
320.000	ZA	1.356	13.55	415.2	ZA	1.049	10.48	322.2
	AC22 bin D	0.570	5.69	175.5	AC16 surf S	0.271	2.70	83.4
	ZA	0.618	6.15	180.3	ZA	0.460	4.59	134.6
	AC16 surf S	0.115	1.15	33.6	Rellenos	1.281	12.78	387.8
330.000	ZA	1.357	13.55	428.8	ZA	1.049	10.48	332.7
	AC22 bin D	0.570	5.70	181.2	AC16 surf S	0.271	2.70	86.1
	ZA	0.618	6.15	186.5	ZA	0.460	4.59	139.2
	AC16 surf S	0.115	1.15	34.8	Rellenos	1.281	12.78	400.6
340.000	ZA	1.356	13.55	442.3	ZA	1.049	10.48	343.2
	AC22 bin D	0.570	5.70	186.8	AC16 surf S	0.271	2.70	88.8
	ZA	0.618	6.15	192.6	ZA	0.460	4.59	143.7
	AC16 surf S	0.115	1.15	35.9	Rellenos	1.280	12.78	413.3

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 5
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	ZA	1.356	13.55	455.9	ZA	1.049	10.48	353.7
	AC22 bin D	0.570	5.70	192.5	AC16 surf S	0.271	2.70	91.5
	ZA	0.618	6.15	198.8	ZA	0.460	4.59	148.3
	AC16 surf S	0.115	1.14	37.0	Rellenos	1.281	12.78	426.1
360.000	ZA	1.356	13.55	469.4	ZA	1.049	10.48	364.2
	AC22 bin D	0.570	5.70	198.2	AC16 surf S	0.271	2.70	94.2
	ZA	0.618	6.15	204.9	ZA	0.460	4.59	152.9
	AC16 surf S	0.115	1.15	38.2	Rellenos	1.280	12.78	438.9
360.984	ZA	1.356	1.33	470.7	ZA	1.049	1.03	365.2
	AC22 bin D	0.570	0.56	198.8	AC16 surf S	0.271	0.27	94.5
	ZA	0.618	0.61	205.5	ZA	0.460	0.45	153.4
	AC16 surf S	0.115	0.11	38.3	Rellenos	1.280	1.26	440.2
370.000	ZA	1.340	12.15	482.9	ZA	1.049	9.46	374.6
	AC22 bin D	0.570	5.14	203.9	AC16 surf S	0.271	2.44	96.9
	ZA	0.665	5.78	211.3	ZA	0.460	4.15	157.5
	AC16 surf S	0.115	1.04	39.3	Rellenos	1.307	11.66	451.8
380.000	ZA	1.340	13.40	496.3	ZA	1.049	10.49	385.1
	AC22 bin D	0.570	5.70	209.6	AC16 surf S	0.271	2.71	99.7
	ZA	0.665	6.65	218.0	ZA	0.460	4.60	162.1
	AC16 surf S	0.115	1.15	40.5	Rellenos	1.307	13.07	464.9
390.000	ZA	1.340	13.40	509.7	ZA	1.049	10.49	395.6
	AC22 bin D	0.570	5.70	215.3	AC16 surf S	0.271	2.71	102.4
	ZA	0.665	6.65	224.6	ZA	0.460	4.60	166.7
	AC16 surf S	0.115	1.15	41.6	Rellenos	1.307	13.07	478.0
400.000	ZA	1.340	13.40	523.1	ZA	1.049	10.49	406.1
	AC22 bin D	0.570	5.70	221.0	AC16 surf S	0.271	2.71	105.1
	ZA	0.665	6.65	231.3	ZA	0.460	4.60	171.3
	AC16 surf S	0.115	1.15	42.8	Rellenos	1.307	13.07	491.0
410.000	ZA	1.340	13.40	536.5	ZA	1.049	10.49	416.6
	AC22 bin D	0.570	5.70	226.7	AC16 surf S	0.271	2.71	107.8
	ZA	0.665	6.65	237.9	ZA	0.460	4.60	175.9
	AC16 surf S	0.115	1.15	43.9	Rellenos	1.307	13.07	504.1
420.000	ZA	1.340	13.40	549.9	ZA	1.049	10.49	427.1
	AC22 bin D	0.570	5.70	232.4	AC16 surf S	0.271	2.71	110.5

	ZA	0.665	6.65	244.6	ZA	0.460	4.60	180.5
	AC16 surf S	0.115	1.15	45.1	Rellenos	1.307	13.07	517.2
Istram 18.05.05.29 12/07/18 21:28:39 459								pagina 6
PROYECTO :								
EJE: 50: V de servicio Izq. P.K. 98+100								

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
430.000	ZA	1.340	13.40	563.3	ZA	1.049	10.49	437.6
	AC22 bin D	0.570	5.70	238.1	AC16 surf S	0.271	2.71	113.2
	ZA	0.665	6.65	251.2	ZA	0.460	4.60	185.1
	AC16 surf S	0.115	1.15	46.2	Rellenos	1.307	13.07	530.2
440.000	ZA	1.340	13.40	576.7	ZA	1.049	10.49	448.1
	AC22 bin D	0.570	5.70	243.8	AC16 surf S	0.271	2.71	115.9
	ZA	0.665	6.65	257.9	ZA	0.460	4.60	189.7
	AC16 surf S	0.115	1.15	47.4	Rellenos	1.307	13.07	543.3
450.000	ZA	1.340	13.40	590.1	ZA	1.049	10.49	458.5
	AC22 bin D	0.570	5.70	249.5	AC16 surf S	0.271	2.71	118.6
	ZA	0.665	6.65	264.5	ZA	0.460	4.60	194.3
	AC16 surf S	0.115	1.15	48.6	Rellenos	1.307	13.07	556.4
460.000	ZA	1.340	13.40	603.5	ZA	1.049	10.49	469.0
	AC22 bin D	0.570	5.70	255.2	AC16 surf S	0.271	2.71	121.3
	ZA	0.665	6.65	271.2	ZA	0.460	4.60	198.9
	AC16 surf S	0.115	1.15	49.7	Rellenos	1.307	13.07	569.4
540.000	ZA	1.340	107.18	710.7	ZA	1.049	83.89	552.9
	AC22 bin D	0.570	45.61	300.9	AC16 surf S	0.271	21.68	143.0
	ZA	0.665	53.22	324.4	ZA	0.460	36.82	235.8
	AC16 surf S	0.115	9.20	58.9	Rellenos	1.307	104.55	674.0
550.000	ZA	1.339	13.40	724.1	ZA	1.049	10.49	563.4
	AC22 bin D	0.570	5.70	306.6	AC16 surf S	0.271	2.71	145.7
	ZA	0.665	6.65	331.0	ZA	0.460	4.60	240.4
	AC16 surf S	0.115	1.15	60.1	Rellenos	1.307	13.07	687.1
560.000	ZA	1.340	13.40	737.5	ZA	1.049	10.49	573.9
	AC22 bin D	0.570	5.70	312.3	AC16 surf S	0.271	2.71	148.4
	ZA	0.665	6.65	337.7	ZA	0.460	4.60	245.0
	AC16 surf S	0.115	1.15	61.2	Rellenos	1.307	13.07	700.1
570.000	ZA	1.340	13.40	750.8	ZA	1.049	10.49	584.4
	AC22 bin D	0.570	5.70	318.0	AC16 surf S	0.271	2.71	151.1
	ZA	0.665	6.65	344.3	ZA	0.460	4.60	249.6
	AC16 surf S	0.115	1.15	62.4	Rellenos	1.307	13.07	713.2
580.000	ZA	1.340	13.40	764.2	ZA	1.049	10.49	594.9
	AC22 bin D	0.570	5.70	323.7	AC16 surf S	0.271	2.71	153.9
	ZA	0.665	6.65	351.0	ZA	0.460	4.60	254.2
	AC16 surf S	0.115	1.15	63.5	Rellenos	1.307	13.07	726.3

Istram 18.05.05.29 12/07/18 21:28:39 459 pagina 7
PROYECTO :
EJE: 50: V de servicio Izq. P.K. 98+100

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
590.000	ZA	1.340	13.40	777.6	ZA	1.048	10.49	605.4
	AC22 bin D	0.570	5.70	329.4	AC16 surf S	0.271	2.71	156.6
	ZA	0.665	6.65	357.7	ZA	0.460	4.60	258.8
600.000	AC16 surf S	0.115	1.15	64.7	Rellenos	1.307	13.07	739.3
	ZA	1.339	13.40	791.0	ZA	1.049	10.49	615.8
	AC22 bin D	0.570	5.70	335.1	AC16 surf S	0.271	2.71	159.3
610.000	ZA	0.665	6.65	364.3	ZA	0.460	4.60	263.4
	AC16 surf S	0.115	1.15	65.8	Rellenos	1.307	13.07	752.4
	ZA	1.340	13.40	804.4	ZA	1.049	10.49	626.3
620.000	AC22 bin D	0.570	5.70	340.8	AC16 surf S	0.271	2.71	162.0
	ZA	0.665	6.65	371.0	ZA	0.460	4.60	268.0
	AC16 surf S	0.115	1.15	67.0	Rellenos	1.307	13.07	765.5
630.000	ZA	1.340	13.40	817.8	ZA	1.049	10.49	636.8
	AC22 bin D	0.570	5.70	346.5	AC16 surf S	0.271	2.71	164.7
	ZA	0.665	6.65	377.6	ZA	0.460	4.60	272.6
640.000	AC16 surf S	0.115	1.15	68.1	Rellenos	1.307	13.07	778.5
	ZA	1.340	13.40	831.2	ZA	1.049	10.49	647.3
	AC22 bin D	0.570	5.70	352.2	AC16 surf S	0.271	2.71	167.4
650.000	ZA	0.665	6.65	384.3	ZA	0.460	4.60	277.2
	AC16 surf S	0.115	1.15	69.3	Rellenos	1.307	13.07	791.6
	ZA	1.340	13.40	844.6	ZA	1.048	10.49	657.8
660.000	AC22 bin D	0.570	5.70	357.9	AC16 surf S	0.271	2.71	170.1
	ZA	0.665	6.65	390.9	ZA	0.460	4.60	281.8
	AC16 surf S	0.115	1.15	70.4	Rellenos	1.307	13.07	804.7
670.000	ZA	1.339	13.40	858.0	ZA	1.049	10.49	668.3
	AC22 bin D	0.570	5.70	363.6	AC16 surf S	0.271	2.71	172.8
	ZA	0.665	6.65	397.6	ZA	0.460	4.60	286.4
680.000	AC16 surf S	0.115	1.15	71.6	Rellenos	1.307	13.07	817.7
	ZA	1.340	13.40	871.4	ZA	1.049	10.49	678.8
	AC22 bin D	0.570	5.70	369.3	AC16 surf S	0.271	2.71	175.5
690.000	ZA	0.665	6.65	404.2	ZA	0.460	4.60	291.0
	AC16 surf S	0.115	1.15	72.7	Rellenos	1.307	13.07	830.8
	ZA	1.339	13.40	884.8	ZA	1.049	10.49	689.3
700.000	AC22 bin D	0.570	5.70	375.0	AC16 surf S	0.271	2.71	178.2
	ZA	0.665	6.65	410.9	ZA	0.460	4.60	295.6
	AC16 surf S	0.115	1.15	73.9	Rellenos	1.307	13.07	843.9

PROYECTO :
EJE: 50: V^{de} de servicio Izq. P.K. 98+100

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME ***** cubicacion segun distancias compensadas*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
680.000	ZA	1.340	13.40	898.2	ZA	1.049	10.49	699.7	
	AC22 bin D	0.570	5.70	380.7	AC16 surf S	0.271	2.71	181.0	
	ZA	0.665	6.65	417.5	ZA	0.460	4.60	300.2	
	AC16 surf S	0.115	1.15	75.0	Rellenos	1.307	13.07	856.9	
690.000	ZA	1.340	13.40	911.6	ZA	1.049	10.49	710.2	
	AC22 bin D	0.570	5.70	386.4	AC16 surf S	0.271	2.71	183.7	
	ZA	0.665	6.65	424.2	ZA	0.460	4.60	304.8	
	AC16 surf S	0.115	1.15	76.2	Rellenos	1.307	13.07	870.0	
700.000	ZA	1.340	13.40	925.0	ZA	1.049	10.49	720.7	
	AC22 bin D	0.570	5.70	392.1	AC16 surf S	0.271	2.71	186.4	
	ZA	0.665	6.65	430.8	ZA	0.460	4.60	309.4	
	AC16 surf S	0.115	1.15	77.3	Rellenos	1.307	13.07	883.1	
710.000	ZA	1.339	13.40	938.4	ZA	1.049	10.49	731.2	
	AC22 bin D	0.570	5.70	397.8	AC16 surf S	0.271	2.71	189.1	
	ZA	0.665	6.65	437.5	ZA	0.460	4.60	314.0	
	AC16 surf S	0.115	1.15	78.5	Rellenos	1.307	13.07	896.1	
720.000	ZA	1.340	13.39	951.8	ZA	1.048	10.49	741.7	
	AC22 bin D	0.570	5.70	403.5	AC16 surf S	0.271	2.71	191.8	
	ZA	0.665	6.65	444.1	ZA	0.460	4.60	318.6	
	AC16 surf S	0.115	1.15	79.6	Rellenos	1.307	13.07	909.2	
730.000	ZA	1.340	13.40	965.2	ZA	1.049	10.49	752.2	
	AC22 bin D	0.570	5.70	409.2	AC16 surf S	0.271	2.71	194.5	
	ZA	0.665	6.65	450.8	ZA	0.460	4.60	323.2	
	AC16 surf S	0.115	1.15	80.8	Rellenos	1.307	13.07	922.3	
740.000	ZA	1.340	13.40	978.6	ZA	1.049	10.49	762.7	
	AC22 bin D	0.570	5.70	414.9	AC16 surf S	0.271	2.71	197.2	
	ZA	0.665	6.65	457.4	ZA	0.460	4.60	327.8	
	AC16 surf S	0.115	1.15	81.9	Rellenos	1.307	13.07	935.4	
750.000	ZA	1.339	13.40	992.0	ZA	1.049	10.49	773.2	
	AC22 bin D	0.570	5.70	420.6	AC16 surf S	0.271	2.71	199.9	
	ZA	0.665	6.65	464.1	ZA	0.460	4.60	332.4	
	AC16 surf S	0.115	1.15	83.1	Rellenos	1.307	13.07	948.4	
760.000	ZA	1.340	13.40	1005.4	ZA	1.048	10.49	783.6	
	AC22 bin D	0.570	5.70	426.3	AC16 surf S	0.271	2.71	202.7	
	ZA	0.665	6.65	470.7	ZA	0.460	4.60	337.0	
	AC16 surf S	0.115	1.15	84.2	Rellenos	1.307	13.07	961.5	

Istram 18.05.05.29 12/07/18 21:28:39 459
PROYECTO :
EJE: 50: V^{de} de servicio Izq. P.K. 98+100

pagina 9

***** MEDICIONES DE LOS PERFILES TRANSVERSALES***** CAPAS DE FIRME ***** cubicacion segun distancias compensadas*****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
770.000	ZA	1.340	13.40	1018.8	ZA	1.049	10.49	794.1	
	AC22 bin D	0.570	5.70	432.0	AC16 surf S	0.271	2.71	205.4	
	ZA	0.665	6.65	477.4	ZA	0.460	4.60	341.6	
	AC16 surf S	0.115	1.15	85.4	Rellenos	1.307	13.07	974.6	
780.000	ZA	1.340	13.40	1032.2	ZA	1.049	10.49	804.6	
	AC22 bin D	0.570	5.70	437.7	AC16 surf S	0.271	2.71	208.1	
	ZA	0.665	6.65	484.0	ZA	0.460	4.60	346.2	
	AC16 surf S	0.115	1.15	86.5	Rellenos	1.307	13.07	987.6	
790.000	ZA	1.340	13.40	1045.6	ZA	1.049	10.49	815.1	
	AC22 bin D	0.570	5.70	443.4	AC16 surf S	0.271	2.71	210.8	
	ZA	0.665	6.65	490.7	ZA	0.460	4.60	350.8	
	AC16 surf S	0.115	1.15	87.7	Rellenos	1.307	13.07	1000.7	
800.000	ZA	1.339	13.40	1059.0	ZA	1.049	10.49	825.6	
	AC22 bin D	0.570	5.70	449.1	AC16 surf S	0.271	2.71	213.5	
	ZA	0.665	6.65	497.3	ZA	0.460	4.60	355.4	
	AC16 surf S	0.115	1.15	88.8	Rellenos	1.307	13.07	1013.8	
810.000	ZA	1.340	13.40	1072.4	ZA	1.048	10.49	836.1	
	AC22 bin D	0.570	5.70	454.8	AC16 surf S	0.271	2.71	216.2	
	ZA	0.665	6.65	504.0	ZA	0.460	4.60	360.0	
	AC16 surf S	0.115	1.15	90.0	Rellenos	1.307	13.07	1026.8	
820.000	ZA	1.340	13.40	1085.8	ZA	1.049	10.49	846.6	
	AC22 bin D	0.570	5.70	460.5	AC16 surf S	0.271	2.71	218.9	
	ZA	0.665	6.65	510.6	ZA	0.460	4.60	364.6	
	AC16 surf S	0.115	1.15	91.1	Rellenos	1.307	13.07	1039.9	
830.000	ZA	1.340	13.40	1099.2	ZA	1.049	10.49	857.1	
	AC22 bin D	0.570	5.70	466.2	AC16 surf S	0.271	2.71	221.6	
	ZA	0.665	6.65	517.3	ZA	0.460	4.60	369.2	
	AC16 surf S	0.115	1.15	92.3	Rellenos	1.307	13.07	1053.0	
840.000	ZA	1.340	13.40	1112.6	ZA	1.049	10.49	867.5	
	AC22 bin D	0.570	5.70	471.9	AC16 surf S	0.271	2.71	224.3	
	ZA	0.665	6.65	523.9	ZA	0.460	4.60	373.8	
	AC16 surf S	0.115	1.15	93.4	Rellenos	1.307	13.07	1066.0	
850.000	ZA	1.340	13.40	1126.0	ZA	1.049	10.49	878.0	
	AC22 bin D	0.570	5.70	477.6	AC16 surf S	0.271	2.71	227.0	
	ZA	0.665	6.65	530.6	ZA	0.460	4.60	378.4	
	AC16 surf S	0.115	1.15	94.6	Rellenos	1.307	13.07	1079.1	

Istram 18.05.05.29 12/07/18 21:28:40 459
PROYECTO :
EJE: 50: V^{de} de servicio Izq. P.K. 98+100

pagina 10

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****

***** CAPAS DE FIRME *****
***** cubicacion segun distancias compensadas*****

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
860.000	ZA	1.340	13.40	1139.4	ZA	1.048	10.49	888.5
	AC22 bin D	0.570	5.70	483.3	AC16 surf S	0.271	2.71	229.8
	ZA	0.665	6.65	537.2	ZA	0.460	4.60	383.1
	AC16 surf S	0.115	1.15	95.7	Rellenos	1.307	13.07	1092.2
970.000	ZA	1.340	147.37	1286.7	ZA	1.049	115.33	1003.9
	AC22 bin D	0.570	62.74	546.1	AC16 surf S	0.271	29.82	259.6
	ZA	0.665	73.18	610.4	ZA	0.460	50.63	433.7
	AC16 surf S	0.115	12.65	108.4	Rellenos	1.307	143.75	1235.9
980.000	ZA	1.340	13.40	1300.1	ZA	1.049	10.49	1014.3
	AC22 bin D	0.570	5.70	551.8	AC16 surf S	0.271	2.71	262.3
	ZA	0.665	6.65	617.1	ZA	0.460	4.60	438.3
	AC16 surf S	0.115	1.15	109.5	Rellenos	1.304	13.05	1249.0
990.000	ZA	1.340	13.40	1313.5	ZA	1.049	10.49	1024.8
	AC22 bin D	0.570	5.70	557.5	AC16 surf S	0.271	2.71	265.0
	ZA	0.665	6.65	623.7	ZA	0.460	4.60	442.9
	AC16 surf S	0.115	1.15	110.7	Rellenos	1.298	13.01	1262.0
1000.000	ZA	1.340	13.40	1326.9	ZA	1.049	10.49	1035.3
	AC22 bin D	0.570	5.70	563.2	AC16 surf S	0.271	2.71	267.7
	ZA	0.665	6.65	630.4	ZA	0.460	4.60	447.5
	AC16 surf S	0.115	1.15	111.8	Rellenos	1.288	12.93	1274.9
1010.000	ZA	1.340	13.40	1340.3	ZA	1.049	10.49	1045.8
	AC22 bin D	0.570	5.70	568.9	AC16 surf S	0.271	2.71	270.4
	ZA	0.665	6.65	637.0	ZA	0.460	4.60	452.1
	AC16 surf S	0.115	1.15	113.0	Rellenos	1.263	12.76	1287.7
1020.000	ZA	1.340	13.40	1353.7	ZA	1.049	10.49	1056.3
	AC22 bin D	0.570	5.70	574.6	AC16 surf S	0.271	2.71	273.1
	ZA	0.665	6.65	643.7	ZA	0.460	4.60	456.7
	AC16 surf S	0.115	1.15	114.1	Rellenos	1.322	12.93	1300.6
1030.000	ZA	1.340	13.40	1367.1	ZA	1.049	10.49	1066.8
	AC22 bin D	0.570	5.70	580.3	AC16 surf S	0.271	2.71	275.8
	ZA	0.665	6.65	650.3	ZA	0.460	4.60	461.3
	AC16 surf S	0.115	1.15	115.3	Rellenos	1.367	13.45	1314.0
1040.000	ZA	1.340	13.40	1380.5	ZA	1.049	10.49	1077.3
	AC22 bin D	0.570	5.70	586.0	AC16 surf S	0.271	2.71	278.6
	ZA	0.665	6.65	657.0	ZA	0.460	4.60	465.9
	AC16 surf S	0.115	1.15	116.4	Rellenos	1.390	13.79	1327.8

Istram 18.05.05.29 12/07/18 21:28:40 459
PROYECTO :
EJE: 50: V^{de} de servicio Izq. P.K. 98+100

pagina 11

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****
***** CAPAS DE FIRME *****
***** cubicacion segun distancias compensadas*****

PERFIL	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.	MATERIAL	AREA	PERFIL	VOL.	PARCIAL	VOL.	ACUMUL.
1050.000	ZA		1.340		13.40		1393.9	ZA		1.049		10.49		1087.8
	AC22 bin D		0.570		5.70		591.7	AC16 surf S		0.271		2.71		281.3
	ZA		0.665		6.65		663.6	ZA		0.460		4.60		470.5
	AC16 surf S		0.115		1.15		117.6	Rellenos		1.391		13.91		1341.7
1060.000	ZA		1.340		13.40		1407.3	ZA		1.049		10.49		1098.2
	AC22 bin D		0.570		5.70		597.4	AC16 surf S		0.271		2.71		284.0
	ZA		0.665		6.65		670.3	ZA		0.460		4.60		475.1
	AC16 surf S		0.115		1.15		118.7	Rellenos		1.369		13.80		1355.5
1070.000	ZA		1.340		13.40		1420.7	ZA		1.049		10.49		1108.7
	AC22 bin D		0.570		5.70		603.1	AC16 surf S		0.271		2.71		286.7
	ZA		0.665		6.65		676.9	ZA		0.460		4.60		479.7
	AC16 surf S		0.115		1.15		119.9	Rellenos		1.325		13.47		1369.0
1080.000	ZA		1.340		13.40		1434.1	ZA		1.049		10.49		1119.2
	AC22 bin D		0.570		5.70		608.8	AC16 surf S		0.271		2.71		289.4
	ZA		0.665		6.65		683.6	ZA		0.460		4.60		484.3
	AC16 surf S		0.115		1.15		121.1	Rellenos		1.266		12.96		1382.0
1090.000	ZA		1.339		13.40		1447.5	ZA		1.049		10.49		1129.7
	AC22 bin D		0.570		5.70		614.5	AC16 surf S		0.271		2.71		292.1
	ZA		0.665		6.65		690.2	ZA		0.460		4.60		488.9
	AC16 surf S		0.115		1.15		122.2	Rellenos		1.288		12.77		1394.7
1100.000	ZA		1.340		13.40		1460.9	ZA		1.048		10.49		1140.2
	AC22 bin D		0.570		5.70		620.2	AC16 surf S		0.271		2.71		294.8
	ZA		0.665		6.65		696.9	ZA		0.460		4.60		493.5
	AC16 surf S		0.115		1.15		123.4	Rellenos		1.298		12.93		1407.7
1110.000	ZA		1.340		13.40		1474.3	ZA		1.049		10.49		1150.7
	AC22 bin D		0.570		5.70		625.9	AC16 surf S		0.271		2.71		297.5
	ZA		0.665		6.65		703.5	ZA		0.460		4.60		498.1
	AC16 surf S		0.115		1.15		124.5	Rellenos		1.304		13.01		1420.7
1120.000	ZA		1.340		13.40		1487.7	ZA		1.049		10.49		1161.2
	AC22 bin D		0.570		5.70		631.6	AC16 surf S		0.271		2.71		300.2
	ZA		0.665		6.65		710.2	ZA		0.460		4.60		502.7
	AC16 surf S		0.115		1.15		125.7	Rellenos		1.307		13.05		1433.7
1130.000	ZA		1.340		13.40		1501.1	ZA		1.049		10.49		1171.7
	AC22 bin D		0.570		5.70		637.3	AC16 surf S		0.271		2.71		303.0
	ZA		0.665		6.65		716.9	ZA		0.460		4.60		507.3
	AC16 surf S		0.115		1.15		126.8	Rellenos		1.307		13.07		1446.8

1140.000	ZA	1.339	13.40	1514.5	ZA	1.049	10.49	1182.1
	AC22 bin D	0.570	5.70	643.0	AC16 surf S	0.271	2.71	305.7
	ZA	0.665	6.65	723.5	ZA	0.460	4.60	511.9
	AC16 surf S	0.115	1.15	128.0	Rellenos	1.307	13.07	1459.9
1150.000	ZA	1.340	13.40	1527.9	ZA	1.048	10.49	1192.6
	AC22 bin D	0.570	5.70	648.7	AC16 surf S	0.271	2.71	308.4
	ZA	0.665	6.65	730.2	ZA	0.460	4.60	516.5
	AC16 surf S	0.115	1.15	129.1	Rellenos	1.307	13.07	1472.9
1160.000	ZA	1.340	13.40	1541.3	ZA	1.049	10.49	1203.1
	AC22 bin D	0.570	5.70	654.4	AC16 surf S	0.271	2.71	311.1
	ZA	0.665	6.65	736.8	ZA	0.460	4.60	521.1
	AC16 surf S	0.115	1.15	130.3	Rellenos	1.307	13.07	1486.0
1170.000	ZA	1.340	13.40	1554.7	ZA	1.049	10.49	1213.6
	AC22 bin D	0.570	5.70	660.1	AC16 surf S	0.271	2.71	313.8
	ZA	0.665	6.65	743.5	ZA	0.460	4.60	525.7
	AC16 surf S	0.115	1.15	131.4	Rellenos	1.307	13.07	1499.1
1180.000	ZA	1.340	13.40	1568.1	ZA	1.049	10.49	1224.1
	AC22 bin D	0.570	5.70	665.8	AC16 surf S	0.271	2.71	316.5
	ZA	0.665	6.65	750.1	ZA	0.460	4.60	530.3
	AC16 surf S	0.115	1.15	132.6	Rellenos	1.307	13.07	1512.1
1188.725	ZA	1.340	11.69	1579.8	ZA	1.049	9.15	1233.2
	AC22 bin D	0.570	4.97	670.7	AC16 surf S	0.271	2.36	318.9
	ZA	0.665	5.80	755.9	ZA	0.460	4.02	534.3
	AC16 surf S	0.115	1.00	133.6	Rellenos	1.307	11.40	1523.5

Istram 18.05.05.29 12/07/18 21:28:40 459 pagina 13

PROYECTO :

EJE: 50: V de servicio Izq. P.K. 98+100

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
ZA	1579.8
ZA	1233.2
AC22 bin D	670.7
AC16 surf S	318.9
ZA	755.9
ZA	534.3
AC16 surf S	133.6
Rellenos	1523.5

LISTADOS DE MEDICIÓN DE CARRETERAS

TIERRAS CARRETERAS

Istram 18.05.05.29 23/01/19 14:29:33 459
PROYECTO :
EJE: 84: Acceso Cigales: Eje 1

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.727	0.00	0.0	D TIERRA	4.749	0.00	0.0
	SUELO EST2	5.767	0.00	0.0	SUELO EST1	5.675	0.00	0.0
	TERRAPLEN	5.383	0.00	0.0	EXCAVA SANE0	7.460	0.00	0.0
	TERRAP SANE0	7.460	0.00	0.0				
10.000	FIRME	6.134	84.30	84.3	D TIERRA	9.743	72.46	72.5
	SUELO EST2	2.896	43.31	43.3	SUELO EST1	3.020	43.47	43.5
	TERRAPLEN	0.000	26.91	26.9	EXCAVA SANE0	0.000	37.30	37.3
	TERRAP SANE0	0.000	37.30	37.3				
20.000	FIRME	5.276	57.05	141.4	D TIERRA	9.067	94.05	166.5
	SUELO EST2	2.454	26.75	70.1	SUELO EST1	2.577	27.98	71.5
30.000	FIRME	5.425	53.50	194.9	D TIERRA	10.035	95.51	262.0
	SUELO EST2	2.536	24.95	95.0	SUELO EST1	2.659	26.18	97.6
40.000	FIRME	5.979	57.02	251.9	D TIERRA	11.823	109.29	371.3
	SUELO EST2	2.801	26.68	121.7	SUELO EST1	2.924	27.91	125.6
50.000	FIRME	5.979	59.79	311.7	D TIERRA	12.562	121.92	493.2
	SUELO EST2	2.801	28.01	149.7	SUELO EST1	2.924	29.24	154.8
53.101	FIRME	5.979	18.54	330.2	D TIERRA	12.792	39.31	532.5
	SUELO EST2	2.801	8.69	158.4	SUELO EST1	2.925	9.07	163.9

Istram 18.05.05.29 23/01/19 14:29:33 459
PROYECTO :
EJE: 84: Acceso Cigales: Eje 1

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	330.2
D TIERRA	532.5
SUELO EST2	158.4
SUELO EST1	163.9
TERRAPLEN	26.9
EXCAVA SANE0	37.3
TERRAP SANE0	37.3

Istram 18.05.05.29 23/01/19 14:29:38 459
PROYECTO :
EJE: 85: Acceso Cigales: Eje 2

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	10.540	0.00	0.0	SUELO EST2	5.770	0.00	0.0
	SUELO EST1	5.583	0.00	0.0	TERRAPLEN	4.840	0.00	0.0
10.000	FIRME	6.115	83.27	83.3	D TIERRA	2.097	10.49	10.5
	SUELO EST2	3.547	46.59	46.6	SUELO EST1	3.364	44.74	44.7
	TERRAPLEN	0.239	25.39	25.4				
20.000	FIRME	5.114	56.14	139.4	D TIERRA	4.365	32.31	42.8
	SUELO EST2	3.056	33.02	79.6	SUELO EST1	2.864	31.14	75.9
	TERRAPLEN	0.049	1.44	26.8				
30.000	FIRME	5.114	51.14	190.6	D TIERRA	6.277	53.21	96.0
	SUELO EST2	3.056	30.56	110.2	SUELO EST1	2.863	28.63	104.5
	TERRAPLEN	0.027	0.38	27.2				
40.000	FIRME	5.114	51.14	241.7	D TIERRA	7.665	69.71	165.7
	SUELO EST2	2.916	29.86	140.0	SUELO EST1	2.851	28.57	133.1
	TERRAPLEN	0.083	0.55	27.8				
50.000	FIRME	5.044	50.79	292.5	D TIERRA	8.292	79.79	245.5
	SUELO EST2	2.702	28.09	168.1	SUELO EST1	2.667	27.59	160.7
	TERRAPLEN	0.067	0.75	28.5				
60.000	FIRME	4.988	50.16	342.6	D TIERRA	9.544	89.18	334.7
	SUELO EST2	2.662	26.82	194.9	SUELO EST1	2.627	26.47	187.1
	TERRAPLEN	0.033	0.50	29.0				
70.000	FIRME	4.945	49.66	392.3	D TIERRA	10.163	98.53	433.2
	SUELO EST2	2.637	26.50	221.4	SUELO EST1	2.602	26.15	213.3
	TERRAPLEN	0.006	0.20	29.2				
74.394	FIRME	4.898	21.62	413.9	D TIERRA	10.214	44.77	478.0
	SUELO EST2	2.557	11.41	232.8	SUELO EST1	2.521	11.26	224.5
	TERRAPLEN	0.000	0.01	29.2				

Istram 18.05.05.29 23/01/19 14:29:38 459
PROYECTO :
EJE: 85: Acceso Cigales: Eje 2

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	413.9
D TIERRA	478.0
SUELO EST2	232.8

SUELO EST1 224.5
TERRAPLEN 29.2
Istram 18.05.05.29 23/01/19 14:34:58 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	5.605	0.00	0.0	RELL PIE TERRA	0.050	0.00	0.0
	SUELO EST2	6.382	0.00	0.0	SUELO EST1	6.285	0.00	0.0
	TERRAPLEN	27.556	0.00	0.0	VEGETAL	5.373	0.00	0.0
	FIRME	5.605	56.05	56.1	RELL PIE TERRA	0.051	0.51	0.5
10.000	SUELO EST2	6.382	63.82	63.8	SUELO EST1	6.285	62.85	62.8
	TERRAPLEN	29.666	286.11	286.1	VEGETAL	5.433	54.03	54.0
	FIRME	5.605	56.05	112.1	RELL PIE TERRA	0.051	0.51	1.0
	SUELO EST2	6.382	63.82	127.6	SUELO EST1	6.285	62.85	125.7
20.000	TERRAPLEN	29.196	294.31	580.4	VEGETAL	5.441	54.37	108.4
	FIRME	5.605	56.05	168.2	RELL PIE TERRA	0.051	0.51	1.5
	SUELO EST2	6.382	63.82	191.5	SUELO EST1	6.285	62.85	188.5
	TERRAPLEN	25.377	272.86	853.3	VEGETAL	5.449	54.45	162.9
30.000	FIRME	5.605	56.05	224.2	RELL PIE TERRA	0.050	0.51	2.0
	D TIERRA	0.027	0.13	0.1	SUELO EST2	6.379	63.81	255.3
	SUELO EST1	6.285	62.85	251.4	TERRAPLEN	13.531	194.54	1047.8
	VEGETAL	5.151	53.00	215.9				
40.000	FIRME	5.605	56.05	280.3	RELL PIE TERRA	0.049	0.50	2.5
	D TIERRA	0.000	0.13	0.3	SUELO EST2	6.382	63.81	319.1
	SUELO EST1	6.285	62.85	314.2	TERRAPLEN	20.121	168.26	1216.1
	VEGETAL	5.173	51.62	267.5				
50.000	FIRME	5.605	56.05	336.3	RELL PIE TERRA	0.050	0.50	3.0
	SUELO EST2	6.382	63.82	382.9	SUELO EST1	6.285	62.85	377.1
	TERRAPLEN	23.598	218.60	1434.7	VEGETAL	5.271	52.22	319.7
	FIRME	5.605	56.05	392.4	RELL PIE TERRA	0.050	0.50	3.5
60.000	D TIERRA	0.267	1.34	1.6	SUELO EST2	6.303	63.43	446.3
	SUELO EST1	6.285	62.85	439.9	TERRAPLEN	29.341	264.70	1699.4
	VEGETAL	5.086	51.78	371.5				
	FIRME	5.605	56.05	448.4	RELL PIE TERRA	0.052	0.51	4.0
70.000	D TIERRA	1.866	10.67	12.3	SUELO EST2	6.382	63.43	509.8
	SUELO EST1	6.285	62.85	502.8	TERRAPLEN	10.850	200.96	1900.3
	VEGETAL	5.192	51.39	422.9				
	FIRME	5.605	56.05	504.5	RELL PIE TERRA	0.050	0.51	4.5
80.000	D TIERRA	0.000	9.33	21.6	SUELO EST2	6.382	63.82	573.6
	SUELO EST1	6.285	62.85	565.6	TERRAPLEN	17.436	141.43	2041.8
	VEGETAL	5.208	52.00	474.9				

Istram 18.05.05.29 23/01/19 14:34:58 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	FIRME	5.605	56.05	560.5	RELL PIE TERRA	0.052	0.51	5.1
	D TIERRA	3.480	17.40	39.0	SUELO EST2	6.271	63.26	636.8
	SUELO EST1	6.282	62.83	628.5	TERRAPLEN	9.431	134.33	2176.1
	VEGETAL	5.069	51.38	526.3				
110.000	FIRME	5.605	56.05	616.6	RELL PIE TERRA	0.050	0.51	5.6
	D TIERRA	0.000	17.40	56.4	SUELO EST2	6.382	63.26	700.1
	SUELO EST1	6.285	62.83	691.3	TERRAPLEN	16.271	128.51	2304.6
	VEGETAL	5.245	51.57	577.8				
120.000	FIRME	5.605	56.05	672.6	RELL PIE TERRA	0.050	0.50	6.1
	SUELO EST2	6.382	63.82	763.9	SUELO EST1	6.285	62.85	754.1
	TERRAPLEN	28.191	222.31	2526.9	VEGETAL	5.459	53.52	631.3
	FIRME	5.605	56.05	728.7	RELL PIE TERRA	0.051	0.50	6.6
130.000	SUELO EST2	6.382	63.82	827.7	SUELO EST1	6.285	62.85	817.0
	TERRAPLEN	29.269	287.30	2814.2	VEGETAL	5.433	54.46	685.8
	FIRME	5.605	46.13	774.8	RELL PIE TERRA	0.050	0.42	7.0
	SUELO EST2	6.382	52.52	880.3	SUELO EST1	6.285	51.72	868.7
138.230	TERRAPLEN	27.556	233.83	3048.0	VEGETAL	5.373	44.46	730.3

Istram 18.05.05.29 23/01/19 14:34:58 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	774.8
RELL PIE TERRA	7.0
D TIERRA	56.4
SUELO EST2	880.3
SUELO EST1	868.7
TERRAPLEN	3048.0
VEGETAL	730.3

Istram 18.05.05.29 18/01/19 13:04:56 1880
PROYECTO :
EJE: 12: Bascula Pesaje P.K. 98+200: Acceso

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	FIRME	3.749	0.00	0.0	RELL PIE TERRA	0.156	0.00	0.0	
	D TIERRA	1.127	0.00	0.0	S SEL2	3.578	0.00	0.0	
	SUELO EST3	3.402	0.00	0.0	TERRAPLEN	0.115	0.00	0.0	
	VEGETAL	3.142	0.00	0.0					
10.000	FIRME	3.748	36.86	36.9	RELL PIE TERRA	0.156	1.53	1.5	
	D TIERRA	1.441	12.78	12.8	S SEL2	3.569	35.10	35.1	
	SUELO EST3	3.402	33.45	33.5	TERRAPLEN	0.025	0.67	0.7	
	VEGETAL	3.126	30.77	30.8					
20.000	FIRME	3.748	36.86	73.7	RELL PIE TERRA	0.156	1.53	3.1	
	D TIERRA	1.044	12.35	25.1	S SEL2	3.493	34.66	69.8	
	SUELO EST3	3.389	33.39	66.8	TERRAPLEN	0.001	0.13	0.8	
	VEGETAL	3.074	30.43	61.2					
30.000	FIRME	3.749	36.86	110.6	RELL PIE TERRA	0.154	1.52	4.6	
	D TIERRA	1.127	10.74	35.9	S SEL2	3.562	34.63	104.4	
	SUELO EST3	3.402	33.39	100.2	VEGETAL	3.100	30.31	91.5	
	FIRME	3.748	36.99	147.6	RELL PIE TERRA	0.157	1.53	6.1	
40.000	D TIERRA	1.744	14.18	50.0	S SEL2	3.598	35.31	139.7	
	SUELO EST3	3.401	33.57	133.8	VEGETAL	3.107	30.61	122.1	
	FIRME	3.748	38.11	185.7	RELL PIE TERRA	0.157	1.60	7.7	
	D TIERRA	3.558	26.99	77.0	S SEL2	3.452	35.85	175.6	
60.000	SUELO EST3	3.402	34.58	168.4	VEGETAL	3.013	31.11	153.2	
	FIRME	3.749	38.11	223.8	RELL PIE TERRA	0.079	1.19	8.9	
	D TIERRA	5.819	47.78	124.8	S SEL2	3.044	33.01	208.6	
	SUELO EST3	3.210	33.60	202.0	VEGETAL	2.798	29.53	182.8	
70.000	FIRME	3.957	39.18	263.0	RELL PIE TERRA	0.000	0.39	9.3	
	D TIERRA	7.567	68.18	193.0	S SEL2	2.965	30.54	239.1	
	SUELO EST3	3.138	32.27	234.2	TERRAPLEN	0.060	0.30	1.1	
	VEGETAL	2.870	28.81	211.6					
77.048	FIRME	4.051	28.70	291.7	D TIERRA	7.364	53.54	246.5	
	S SEL2	3.035	21.50	260.6	SUELO EST3	3.207	22.74	257.0	
	TERRAPLEN	0.062	0.44	1.5	VEGETAL	2.951	20.86	232.4	

Istram 18.05.05.29 18/01/19 13:04:56 1880 pagina 2

PROYECTO :
EJE: 12: Bascula Pesaje P.K. 98+200: Acceso

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	291.7
RELL PIE TERRA	9.3
D TIERRA	246.5
S SEL2	260.6
SUELO EST3	257.0
TERRAPLEN	1.5
VEGETAL	232.4

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 1

PROYECTO :
EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.677	0.00	0.0	D TIERRA	8.759	0.00	0.0
	S SEL2	3.346	0.00	0.0	SUELO EST3	3.519	0.00	0.0
	TERRAPLEN	0.053	0.00	0.0	VEGETAL	3.250	0.00	0.0
	FIRME	4.668	46.10	46.1	D TIERRA	8.700	86.17	86.2
10.000	S SEL2	3.346	33.05	33.0	SUELO EST3	3.520	34.76	34.8
	TERRAPLEN	0.054	0.53	0.5	VEGETAL	3.250	32.10	32.1
	FIRME	4.645	45.94	92.0	D TIERRA	8.802	86.38	172.6
	S SEL2	3.349	33.06	66.1	SUELO EST3	3.521	34.77	69.5
20.000	TERRAPLEN	0.054	0.53	1.1	VEGETAL	3.250	32.10	64.2
	FIRME	4.052	42.93	135.0	D TIERRA	7.355	79.77	252.3
	S SEL2	3.033	31.51	97.6	SUELO EST3	3.206	33.22	102.8
	TERRAPLEN	0.062	0.57	1.6	VEGETAL	2.948	30.61	94.8
30.000	FIRME	3.749	38.52	173.5	D TIERRA	5.411	63.03	315.4
	S SEL2	2.970	29.64	127.3	SUELO EST3	3.144	31.35	134.1
	TERRAPLEN	0.000	0.31	1.9	VEGETAL	2.759	28.18	123.0
	FIRME	3.749	37.02	210.5	RELL PIE TERRA	0.156	0.77	0.8
40.000	D TIERRA	4.984	51.31	366.7	S SEL2	3.032	29.63	156.9
	SUELO EST3	3.202	31.33	165.4	VEGETAL	2.795	27.42	150.4
	FIRME	3.793	37.23	247.7	RELL PIE TERRA	0.156	1.54	2.3
	D TIERRA	4.034	44.50	411.2	S SEL2	3.198	30.76	187.7
50.000	SUELO EST3	3.330	32.25	197.7	VEGETAL	2.883	28.04	178.4
	FIRME	3.868	37.91	285.6	RELL PIE TERRA	0.156	1.55	3.9
	D TIERRA	0.718	23.51	434.7	S SEL2	3.629	33.79	221.4
	SUELO EST3	3.417	33.40	231.1	TERRAPLEN	0.014	0.07	2.0
60.000	VEGETAL	3.133	29.78	208.2				
	FIRME	3.938	39.58	325.2	RELL PIE TERRA	0.156	1.58	5.4
	D TIERRA	0.309	5.22	439.9	S SEL2	3.679	37.01	258.5
	SUELO EST3	3.425	34.65	265.7	TERRAPLEN	0.377	1.98	4.0
70.000	VEGETAL	3.187	32.00	240.2				
	FIRME	3.995	40.24	365.5	RELL PIE TERRA	0.156	1.58	7.0
	D TIERRA	0.835	5.81	445.7	S SEL2	3.634	37.04	295.5
	SUELO EST3	3.432	34.73	300.5	TERRAPLEN	0.033	2.08	6.1
80.000	VEGETAL	3.135	32.02	272.2				
	FIRME	3.994	40.53	406.0	RELL PIE TERRA	0.156	1.58	8.6
	D TIERRA	1.744	13.06	458.8	S SEL2	3.541	36.34	331.8
	SUELO EST3	3.432	34.77	335.2	TERRAPLEN	0.000	0.17	6.2

VEGETAL 3.071 31.44 303.7
Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 2

PROYECTO :
EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	FIRME	3.929	40.18	446.2	RELL PIE TERRA	0.156	1.58	10.2
	D TIERRA	3.252	25.30	484.1	S SEL2	3.331	34.80	366.6
	SUELO EST3	3.399	34.60	369.8	VEGETAL	2.957	30.53	334.2
	VEGETAL	3.842	39.39	485.6	RELL PIE TERRA	0.156	1.58	11.8
120.000	D TIERRA	4.296	38.24	522.3	S SEL2	3.158	32.85	399.5
	SUELO EST3	3.303	33.93	403.8	VEGETAL	2.865	29.48	363.7
	FIRME	3.781	38.61	524.2	RELL PIE TERRA	0.078	1.18	12.9
	D TIERRA	4.772	45.95	568.2	S SEL2	3.071	31.52	431.0
130.000	SUELO EST3	3.232	33.07	436.8	VEGETAL	2.817	28.76	392.5
	FIRME	3.807	38.43	562.6	RELL PIE TERRA	0.078	0.77	13.7
	D TIERRA	5.137	50.20	618.5	S SEL2	2.985	30.64	461.6
	SUELO EST3	3.154	32.31	469.2	TERRAPLEN	0.031	0.16	6.4
140.000	VEGETAL	2.797	28.41	420.9				
	FIRME	3.817	13.32	575.9	RELL PIE TERRA	0.078	0.27	14.0
	D TIERRA	5.296	18.24	636.7	S SEL2	2.993	10.43	472.1
	SUELO EST3	3.163	11.03	480.2	TERRAPLEN	0.031	0.11	6.5
143.450	VEGETAL	2.810	9.79	430.7				

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 3

PROYECTO :
EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	575.9
RELL PIE TERRA	14.0
D TIERRA	636.7
S SEL2	472.1
SUELO EST3	480.2
TERRAPLEN	6.5
VEGETAL	430.7

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 1

PROYECTO :
EJE: 23: Bascula Pesaje P.K. 106+950: Acceso

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	3.857	0.00	0.0	RELL PIE TERRA	0.099	0.00	0.0
	D TIERRA	1.075	0.00	0.0	S SEL2	3.565	0.00	0.0
	SUELO EST3	3.411	0.00	0.0	TERRAPLEN	3.020	0.00	0.0
	VEGETAL	2.481	0.00	0.0				
10.000	FIRME	3.857	38.30	38.3	RELL PIE TERRA	0.098	0.98	1.0
	D TIERRA	1.105	10.93	10.9	S SEL2	3.570	35.40	35.4
	SUELO EST3	3.411	33.86	33.9	TERRAPLEN	2.921	29.25	29.3
	VEGETAL	2.503	24.73	24.7				
20.000	FIRME	3.857	38.29	76.6	RELL PIE TERRA	0.098	0.97	2.0
	D TIERRA	0.997	10.54	21.5	S SEL2	3.607	35.61	71.0
	SUELO EST3	3.411	33.87	67.7	TERRAPLEN	3.492	31.56	60.8
	VEGETAL	2.574	25.18	49.9				
30.000	FIRME	3.857	38.29	114.9	RELL PIE TERRA	0.098	0.97	2.9
	D TIERRA	1.036	10.19	31.7	S SEL2	3.591	35.71	106.7
	SUELO EST3	3.411	33.87	101.6	TERRAPLEN	3.904	36.36	97.2
	VEGETAL	2.630	25.80	75.7				
40.000	FIRME	3.857	38.30	153.2	RELL PIE TERRA	0.099	0.98	3.9
	D TIERRA	1.302	11.71	43.4	S SEL2	3.586	35.61	142.3
	SUELO EST3	3.412	33.87	135.5	TERRAPLEN	3.240	35.08	132.3
	VEGETAL	2.641	26.13	101.8				
50.000	FIRME	3.857	38.29	191.5	RELL PIE TERRA	0.099	0.98	4.9
	D TIERRA	1.658	14.80	58.2	S SEL2	3.603	35.67	178.0
	SUELO EST3	3.411	33.87	169.3	TERRAPLEN	2.178	26.56	158.8
	VEGETAL	2.650	26.23	128.1				
60.000	FIRME	3.857	38.30	229.8	RELL PIE TERRA	0.113	1.05	5.9
	D TIERRA	2.612	21.30	79.5	S SEL2	3.605	35.77	213.8
	SUELO EST3	3.412	33.87	203.2	TERRAPLEN	1.193	16.50	175.3
	VEGETAL	2.623	26.14	154.2				
70.000	FIRME	3.857	38.59	268.4	RELL PIE TERRA	0.109	1.11	7.0
	D TIERRA	4.387	35.00	114.5	S SEL2	3.687	36.47	250.3
	SUELO EST3	3.411	34.13	237.3	TERRAPLEN	0.520	8.57	183.9
	VEGETAL	2.640	26.33	180.5				
80.000	FIRME	3.853	38.83	307.2	RELL PIE TERRA	0.050	0.80	7.8
	D TIERRA	6.479	54.63	169.1	S SEL2	3.319	35.31	285.6
	SUELO EST3	3.261	33.61	271.0	TERRAPLEN	0.083	3.08	187.0
	VEGETAL	2.397	25.39	205.9				

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	3.976	39.42	346.6	RELL PIE TERRA	0.050	0.51	8.4
	D TIERRA	7.745	71.57	240.7	S SEL2	3.336	33.57	319.1
	SUELO EST3	3.279	32.96	303.9	TERRAPLEN	0.016	0.51	187.5
	VEGETAL	2.449	24.43	230.4				
100.000	FIRME	4.065	40.47	387.1	RELL PIE TERRA	0.050	0.51	8.9
	D TIERRA	8.281	80.68	321.4	S SEL2	3.392	33.93	353.1
	SUELO EST3	3.340	33.35	337.3	TERRAPLEN	0.020	0.18	187.7
	VEGETAL	2.491	24.89	255.2				
110.000	FIRME	4.111	41.14	428.2	RELL PIE TERRA	0.061	0.57	9.4
	D TIERRA	8.382	83.91	405.3	S SEL2	3.414	34.32	387.4
	SUELO EST3	3.368	33.78	371.0	TERRAPLEN	0.020	0.20	187.9
	VEGETAL	2.503	25.16	280.4				
120.000	FIRME	4.267	42.05	470.3	RELL PIE TERRA	0.066	0.65	10.1
	D TIERRA	8.789	86.22	491.5	S SEL2	3.317	33.82	421.2
	SUELO EST3	3.446	34.22	405.3	TERRAPLEN	0.017	0.19	188.0
	VEGETAL	2.463	24.94	305.3				
130.000	FIRME	4.267	42.67	512.9	RELL PIE TERRA	0.051	0.58	10.7
	D TIERRA	8.594	86.91	578.4	S SEL2	3.426	33.72	454.9
	SUELO EST3	3.462	34.54	439.8	TERRAPLEN	0.014	0.15	188.2
	VEGETAL	2.513	24.88	330.2				
140.000	FIRME	4.266	42.67	555.6	RELL PIE TERRA	0.000	0.25	10.9
	D TIERRA	8.681	86.37	664.8	S SEL2	3.154	32.90	487.8
	SUELO EST3	3.327	33.95	473.8	TERRAPLEN	0.014	0.14	188.3
	VEGETAL	2.399	24.56	354.8				
144.240	FIRME	4.672	18.95	574.5	D TIERRA	10.394	40.44	705.2
	S SEL2	3.349	13.79	501.6	SUELO EST3	3.522	14.52	488.3
	TERRAPLEN	0.015	0.06	188.4	VEGETAL	2.630	10.66	365.5

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 3

PROYECTO :

EJE: 23: Bvta Pesaje P.K. 106+950: Acceso

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	574.5
RELL PIE TERRA	10.9
D TIERRA	705.2
S SEL2	501.6
SUELO EST3	488.3
TERRAPLEN	188.4
VEGETAL	365.5

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 1

PROYECTO :

EJE: 24: Bvta Pesaje P.K. 106+950: Salida

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	5.026	0.00	0.0	D TIERRA	10.562	0.00	0.0
	S SEL2	3.551	0.00	0.0	SUELO EST3	3.725	0.00	0.0
	TERRAPLEN	0.014	0.00	0.0	VEGETAL	2.755	0.00	0.0
10.000	FIRME	4.154	45.51	45.5	RELL PIE TERRA	0.052	0.26	0.3
	D TIERRA	7.775	90.91	90.9	S SEL2	3.272	33.82	33.8
	SUELO EST3	3.375	35.20	35.2	TERRAPLEN	0.008	0.11	0.1
	VEGETAL	2.385	25.49	25.5				
20.000	FIRME	3.959	40.25	85.8	RELL PIE TERRA	0.060	0.55	0.8
	D TIERRA	5.637	66.57	157.5	S SEL2	3.433	33.22	67.0
	SUELO EST3	3.375	33.46	68.7	TERRAPLEN	0.050	0.28	0.4
	VEGETAL	2.512	24.26	49.7				
30.000	FIRME	3.889	38.95	124.7	RELL PIE TERRA	0.103	0.81	1.6
	D TIERRA	3.955	47.65	205.1	S SEL2	3.441	34.06	101.1
	SUELO EST3	3.388	33.55	102.2	TERRAPLEN	0.000	0.24	0.6
	VEGETAL	2.423	24.46	74.2				
40.000	FIRME	3.857	38.45	163.2	RELL PIE TERRA	0.100	1.01	2.6
	D TIERRA	3.391	36.50	241.6	S SEL2	3.315	33.50	134.6
	SUELO EST3	3.369	33.53	135.7	VEGETAL	2.346	23.66	97.9
	VEGETAL	2.423	24.46	74.2				
50.000	FIRME	3.856	38.29	201.5	RELL PIE TERRA	0.099	0.99	3.6
	D TIERRA	1.954	26.61	268.2	S SEL2	3.462	33.62	168.2
	SUELO EST3	3.382	33.51	169.3	TERRAPLEN	0.056	0.28	0.9
	VEGETAL	2.440	23.74	121.6				
60.000	FIRME	3.857	38.29	239.7	RELL PIE TERRA	0.100	0.99	4.6
	D TIERRA	2.049	20.01	288.3	S SEL2	3.456	34.31	202.5
	SUELO EST3	3.377	33.55	202.8	TERRAPLEN	0.115	0.84	1.8
	VEGETAL	2.443	24.22	145.8				
70.000	FIRME	3.857	38.30	278.0	RELL PIE TERRA	0.101	1.00	5.6
	D TIERRA	2.217	21.33	309.6	S SEL2	3.431	34.15	236.7
	SUELO EST3	3.361	33.44	236.2	TERRAPLEN	0.109	1.10	2.9
	VEGETAL	2.447	24.25	170.1				
80.000	FIRME	3.857	38.30	316.3	RELL PIE TERRA	0.101	1.00	6.6
	D TIERRA	2.794	25.04	334.6	S SEL2	3.413	33.93	270.6
	SUELO EST3	3.348	33.30	269.5	TERRAPLEN	0.062	0.84	3.7
	VEGETAL	2.437	24.22	194.3				
87.936	FIRME	3.857	30.39	346.7	RELL PIE TERRA	0.100	0.79	7.4
	D TIERRA	2.379	20.51	355.1	S SEL2	3.384	26.74	297.4
	SUELO EST3	3.331	26.30	295.8	TERRAPLEN	0.462	2.05	5.7
	VEGETAL	2.401	19.04	213.3				

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 2

PROYECTO :

EJE: 24: Bvta Pesaje P.K. 106+950: Salida

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	346.7
RELL PIE TERRA	7.4
D TIERRA	355.1
S SEL2	297.4
SUELO EST3	295.8
TERRAPLEN	5.7
VEGETAL	213.3

Istram 18.05.05.29 13/07/18 11:33:25 459 pagina 1

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	5.246	0.00	0.0	D TIERRA	7.979	0.00	0.0
	SUELO EST2	2.844	0.00	0.0	SUELO EST1	2.816	0.00	0.0
	VEGETAL	2.369	0.00	0.0				
10.000	FIRME	5.244	52.45	52.4	D TIERRA	8.090	80.35	80.3
	SUELO EST2	2.849	28.47	28.5	SUELO EST1	2.819	28.17	28.2
	VEGETAL	2.373	23.71	23.7				
20.000	FIRME	5.243	52.43	104.9	D TIERRA	7.872	79.81	160.2
	SUELO EST2	2.859	28.54	57.0	SUELO EST1	2.822	28.21	56.4
	VEGETAL	2.388	23.80	47.5				
30.000	FIRME	5.241	52.42	157.3	D TIERRA	7.811	78.42	238.6
	SUELO EST2	2.869	28.64	85.6	SUELO EST1	2.830	28.26	84.6
	VEGETAL	2.396	23.92	71.4				
40.000	FIRME	5.239	52.40	209.7	D TIERRA	7.307	75.59	314.2
	SUELO EST2	2.874	28.71	114.4	SUELO EST1	2.835	28.33	113.0
	VEGETAL	2.397	23.96	95.4				
50.000	FIRME	5.237	52.38	262.1	D TIERRA	6.363	68.35	382.5
	SUELO EST2	2.891	28.82	143.2	SUELO EST1	2.851	28.43	141.4
	VEGETAL	2.405	24.01	119.4				
60.000	FIRME	5.236	52.36	314.4	D TIERRA	5.353	58.58	441.1
	SUELO EST2	2.946	29.19	172.4	SUELO EST1	2.886	28.69	170.1
	TERRAPLEN	0.003	0.01	0.0	VEGETAL	2.444	24.25	143.6
70.000	FIRME	5.234	52.35	366.8	D TIERRA	3.914	46.33	487.4
	SUELO EST2	3.019	29.83	202.2	SUELO EST1	2.904	28.95	199.0
	TERRAPLEN	0.000	0.01	0.0	VEGETAL	2.453	24.48	168.1
80.000	FIRME	5.232	52.33	419.1	D TIERRA	2.693	33.03	520.5
	SUELO EST2	3.103	30.61	232.8	SUELO EST1	2.904	29.04	228.1
	TERRAPLEN	0.002	0.01	0.0	VEGETAL	2.555	25.04	193.2
90.000	FIRME	5.231	52.31	471.4	D TIERRA	1.727	22.10	542.6
	SUELO EST2	3.104	31.03	263.8	SUELO EST1	2.904	29.04	257.1
	TERRAPLEN	0.293	1.48	1.5	VEGETAL	2.708	26.32	219.5
100.000	FIRME	5.229	52.30	523.7	D TIERRA	0.543	11.35	553.9
	SUELO EST2	3.103	31.04	294.9	SUELO EST1	2.904	29.04	286.2
	TERRAPLEN	2.117	12.05	13.6	VEGETAL	2.931	28.19	247.7
110.000	FIRME	5.227	52.28	576.0	D TIERRA	0.038	2.90	556.8
	SUELO EST2	3.103	31.03	325.9	SUELO EST1	2.904	29.04	315.2
	TERRAPLEN	4.049	30.83	44.4	VEGETAL	3.167	30.49	278.2

Istram 18.05.05.29 13/07/18 11:33:25 459 pagina 2

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	5.226	52.27	628.3	D TIERRA	0.000	0.19	557.0
	SUELO EST2	3.103	31.03	356.9	SUELO EST1	2.903	29.03	344.2
	TERRAPLEN	7.613	58.31	102.7	VEGETAL	3.437	33.02	311.2
130.000	FIRME	5.225	52.25	680.5	SUELO EST2	3.103	31.03	388.0
	SUELO EST1	2.903	29.03	373.3	TERRAPLEN	10.879	92.46	195.2
	VEGETAL	3.750	35.93	347.1				
140.000	FIRME	5.223	52.24	732.8	SUELO EST2	3.102	31.02	419.0
	SUELO EST1	2.903	29.03	402.3	TERRAPLEN	15.092	129.85	325.0
	VEGETAL	4.090	39.20	386.3				
150.000	FIRME	6.416	58.20	791.0	SUELO EST2	3.698	34.00	453.0
	SUELO EST1	3.498	32.01	434.3	TERRAPLEN	29.990	225.41	550.4
	VEGETAL	4.931	45.11	431.4				
160.000	FIRME	12.001	92.09	883.1	SUELO EST2	6.489	50.94	503.9
	SUELO EST1	6.289	48.94	483.2	TERRAPLEN	83.859	569.25	1119.7
	VEGETAL	7.544	62.38	493.8				
160.053	FIRME	12.045	0.64	883.7	SUELO EST2	6.511	0.34	504.3
	SUELO EST1	6.311	0.33	483.6	TERRAPLEN	84.284	4.46	1124.1
	VEGETAL	7.564	0.40	494.2				

SUELO EST1 483.6
TERRAPLEN 1124.1
VEGETAL 494.2
Istram 18.05.05.29 13/07/18 11:35:06 459
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	FIRME	6.114		0.00	0.0	D TIERRA	9.530	0.00	0.0
	SUELO EST2	2.858		0.00	0.0	SUELO EST1	2.978	0.00	0.0
	TERRAPLEN	0.001		0.00	0.0	VEGETAL	2.435	0.00	0.0
10.000	FIRME	6.303		62.09	62.1	D TIERRA	6.232	78.81	78.8
	SUELO EST2	3.614		32.36	32.4	SUELO EST1	3.415	31.97	32.0
	TERRAPLEN	1.178		5.89	5.9	VEGETAL	3.121	27.78	27.8
20.000	FIRME	6.303		63.03	125.1	D TIERRA	6.609	64.21	143.0
	SUELO EST2	3.614		36.14	68.5	SUELO EST1	3.414	34.15	66.1
	TERRAPLEN	3.827		25.03	30.9	VEGETAL	3.728	34.25	62.0
30.000	FIRME	6.303		63.03	188.2	D TIERRA	6.671	66.40	209.4
	SUELO EST2	3.614		36.14	104.6	SUELO EST1	3.414	34.14	100.3
	TERRAPLEN	6.945		53.86	84.8	VEGETAL	4.299	40.14	102.2
40.000	FIRME	6.303		63.03	251.2	D TIERRA	5.740	62.06	271.5
	SUELO EST2	3.614		36.14	140.8	SUELO EST1	3.414	34.14	134.4
	TERRAPLEN	9.665		83.05	167.8	VEGETAL	4.673	44.86	147.0
50.000	FIRME	6.303		63.03	314.2	D TIERRA	4.636	51.88	323.4
	SUELO EST2	3.614		36.14	176.9	SUELO EST1	3.414	34.14	168.5
	TERRAPLEN	15.613		126.39	294.2	VEGETAL	5.231	49.52	196.5
60.000	FIRME	6.303		63.03	377.3	D TIERRA	3.368	40.02	363.4
	SUELO EST2	3.614		36.14	213.1	SUELO EST1	3.414	34.14	202.7
	TERRAPLEN	20.428		180.21	474.4	VEGETAL	5.686	54.59	251.1
70.000	FIRME	6.303		63.03	440.3	D TIERRA	3.174	32.71	396.1
	SUELO EST2	3.615		36.14	249.2	SUELO EST1	3.415	34.15	236.8
	TERRAPLEN	28.054		242.41	716.8	VEGETAL	6.077	58.82	309.9
80.000	FIRME	6.303		63.03	503.3	D TIERRA	0.000	15.87	411.9
	SUELO EST2	3.614		36.14	285.4	SUELO EST1	3.415	34.15	271.0
	TERRAPLEN	129.564		788.09	1504.9	VEGETAL	6.381	62.29	372.2

Istram 18.05.05.29 13/07/18 11:35:06 459
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
80.000	FIRME	5.991		0.00	503.3				
90.000	FIRME	5.991		59.91	563.2				
100.000	FIRME	5.991		59.91	623.1				
110.000	FIRME	5.991		59.91	683.1				
120.000	FIRME	5.991		59.91	743.0				
126.000	FIRME	5.991		35.95	778.9				

Istram 18.05.05.29 13/07/18 11:35:06 459
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
***** cubicacion segun distancias compensadas * * *									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
126.000	FIRME	6.303		0.00	778.9	SUELO EST2	3.614	0.00	285.4
	SUELO EST1	3.414		0.00	271.0	TERRAPLEN	129.530	0.00	1504.9
	VEGETAL	6.352		0.00	372.2				
130.000	FIRME	6.303		25.21	804.1	SUELO EST2	3.614	14.46	299.8
	SUELO EST1	3.414		13.66	284.6	TERRAPLEN	112.207	483.47	1988.4
	VEGETAL	6.601		25.91	398.1				
140.000	FIRME	6.371		63.37	867.5	SUELO EST2	3.650	36.32	336.1
	SUELO EST1	3.451		34.33	319.0	TERRAPLEN	38.659	754.33	2742.7
	VEGETAL	6.089		63.45	461.6				
150.000	FIRME	10.356		83.64	951.1	SUELO EST2	5.622	46.36	382.5
	SUELO EST1	5.423		44.37	363.3	TERRAPLEN	21.875	302.67	3045.4
	VEGETAL	5.706		58.98	520.6				
151.360	FIRME	11.509		14.87	966.0	SUELO EST2	6.195	8.04	390.5
	SUELO EST1	5.995		7.76	371.1	TERRAPLEN	22.279	30.02	3075.4
	VEGETAL	5.865		7.87	528.4				

Istram 18.05.05.29 13/07/18 11:35:06 459
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 4

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
FIRME	966.0
D TIERRA	411.9
SUELO EST2	390.5
SUELO EST1	371.1
TERRAPLEN	3075.4
VEGETAL	528.4

Istram 18.05.05.29 13/07/18 11:33:24 459
PROYECTO :

pagina 1

EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *											
***** cubicacion segun distancias compensadas * * *											
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	FIRME	5.760		0.00	0.0	SUELO EST2	3.089		0.00	0.0	
	SUELO EST1	2.989		0.00	0.0	TERRAPLEN	135.788		0.00	0.0	
	VEGETAL	7.347		0.00	0.0						
10.000	FIRME	5.788		51.40	51.4	SUELO EST2	3.093		28.04	28.0	
	SUELO EST1	2.994		26.91	26.9	TERRAPLEN	104.892		856.89	856.9	
	VEGETAL	7.100		50.18	50.2						
20.000	FIRME	5.813		51.69	103.1	SUELO EST2	3.097		28.09	56.1	
	SUELO EST1	2.997		26.95	53.9	TERRAPLEN	49.501		488.56	1345.4	
	VEGETAL	6.272		43.15	93.3						
30.000	FIRME	5.829		51.92	155.0	SUELO EST2	3.100		28.13	84.3	
	SUELO EST1	3.000		26.99	80.9	TERRAPLEN	45.063		219.15	1564.6	
	VEGETAL	6.258		37.74	131.1						
40.000	FIRME	5.836		52.04	207.1	SUELO EST2	3.101		28.15	112.4	
	SUELO EST1	3.001		27.01	107.9	TERRAPLEN	38.350		171.02	1735.6	
	VEGETAL	6.039		36.36	167.4						
50.000	FIRME	5.832		52.06	259.1	SUELO EST2	3.100		28.15	140.6	
	SUELO EST1	3.000		27.01	134.9	TERRAPLEN	51.467		204.25	1939.9	
	VEGETAL	7.281		43.01	210.5						
60.000	FIRME	5.816		51.95	311.1	SUELO EST2	3.098		28.13	168.7	
	SUELO EST1	2.998		26.99	161.9	TERRAPLEN	57.057		288.81	2228.7	
	VEGETAL	6.592		46.37	256.8						
70.000	FIRME	5.793		51.74	362.8	SUELO EST2	3.094		28.10	196.8	
	SUELO EST1	2.994		26.96	188.8	TERRAPLEN	77.526		433.71	2662.4	
	VEGETAL	7.416		47.33	304.2						
80.000	FIRME	5.765		51.45	414.3	SUELO EST2	3.089		28.05	224.8	
	SUELO EST1	2.990		26.92	215.8	TERRAPLEN	101.405		671.00	3333.4	
	VEGETAL	7.323		52.22	356.4						
90.000	FIRME	5.736		51.14	465.4	SUELO EST2	3.085		28.00	252.8	
	SUELO EST1	2.986		26.87	242.6	TERRAPLEN	96.016		762.25	4095.6	
	VEGETAL	7.229		50.90	407.3						
100.000	FIRME	5.710		50.85	516.2	SUELO EST2	3.081		27.95	280.8	
	SUELO EST1	2.982		26.82	269.4	TERRAPLEN	52.170		544.30	4639.9	
	VEGETAL	6.983		48.57	455.8						
110.000	FIRME	5.693		50.61	566.9	SUELO EST2	3.078		27.91	308.7	
	SUELO EST1	2.979		26.78	296.2	TERRAPLEN	32.905		255.97	4895.9	
	VEGETAL	6.278		42.39	498.2						

Istram 18.05.05.29 13/07/18 11:33:24 459
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *											
***** cubicacion segun distancias compensadas * * *											
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
120.000	FIRME	5.685		50.47	617.3	SUELO EST2	3.077		27.89	336.6	
	SUELO EST1	2.977		26.76	323.0	TERRAPLEN	94.008		432.51	5328.4	
	VEGETAL	7.080		43.05	541.3						
130.000	FIRME	5.687		50.45	667.8	SUELO EST2	3.077		27.88	364.5	
	SUELO EST1	2.978		26.75	349.7	TERRAPLEN	113.888		752.51	6080.9	
	VEGETAL	7.107		48.38	589.7						
140.000	FIRME	5.701		50.53	718.3	SUELO EST2	3.080		27.90	392.4	
	SUELO EST1	2.980		26.77	376.5	TERRAPLEN	124.262		831.26	6912.2	
	VEGETAL	7.158		48.92	638.6						
150.000	FIRME	5.723		50.72	769.0	SUELO EST2	3.083		27.93	420.3	
	SUELO EST1	2.983		26.79	403.3	TERRAPLEN	131.770		885.61	7797.8	
	VEGETAL	7.231		49.77	688.4						
160.000	FIRME	5.750		50.99	820.0	SUELO EST2	3.087		27.97	448.3	
	SUELO EST1	2.987		26.84	430.1	TERRAPLEN	136.143		938.11	8735.9	
	VEGETAL	7.319		50.90	739.3						
163.363	FIRME	5.760		17.22	837.2	SUELO EST2	3.089		9.42	457.7	
	SUELO EST1	2.989		9.04	439.2	TERRAPLEN	135.788		325.69	9061.6	
	VEGETAL	7.347		17.39	756.6						

Istram 18.05.05.29 13/07/18 11:33:24 459
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

pagina 3

***** RESUMEN DE VOLUMENES TOTALES * * *	
MATERIAL	VOLUMEN
FIRME	837.2
SUELO EST2	457.7
SUELO EST1	439.2
TERRAPLEN	9061.6
VEGETAL	756.6

Istram 18.05

10.000	FIRME	3.554	35.46	35.5	D TIERRA	6.757	67.38	67.4
	SUELO EST2	1.588	15.84	15.8	SUELO EST1	1.713	17.09	17.1
20.000	FIRME	3.567	35.60	71.1	D TIERRA	6.692	67.24	134.6
	SUELO EST2	1.595	15.92	31.8	SUELO EST1	1.720	17.17	34.3
91.340	FIRME	4.446	0.00	71.1	D TIERRA	7.751	0.00	134.6
	SUELO EST2	2.023	0.00	31.8	SUELO EST1	2.149	0.00	34.3
	TERRAPLEN	0.043	0.00	0.0	VEGETAL	2.078	0.00	0.0
100.000	FIRME	4.516	38.80	109.9	D TIERRA	11.823	84.76	219.4
	SUELO EST2	2.058	17.67	49.4	SUELO EST1	2.183	18.76	53.0
	TERRAPLEN	0.041	0.36	0.4	VEGETAL	2.225	18.63	18.6
110.000	FIRME	4.525	45.20	155.1	D TIERRA	9.020	104.22	323.6
	SUELO EST2	2.063	20.60	70.0	SUELO EST1	2.188	21.86	74.9
	TERRAPLEN	0.044	0.42	0.8	VEGETAL	2.149	21.87	40.5
120.000	FIRME	4.525	45.25	200.3	D TIERRA	7.397	82.09	405.7
	SUELO EST2	2.063	20.63	90.7	SUELO EST1	2.187	21.88	96.7
	TERRAPLEN	0.041	0.42	1.2	VEGETAL	2.090	21.20	61.7
130.000	FIRME	4.501	45.13	245.4	D TIERRA	6.408	69.02	474.7
	SUELO EST2	2.050	20.56	111.2	SUELO EST1	2.175	21.81	118.6
	TERRAPLEN	0.041	0.41	1.6	VEGETAL	2.029	20.59	82.3
140.000	FIRME	4.401	44.51	290.0	D TIERRA	5.756	60.82	535.5
	SUELO EST2	1.990	20.20	131.4	SUELO EST1	2.115	21.45	140.0
	TERRAPLEN	0.041	0.41	2.0	VEGETAL	1.940	19.84	102.1
150.000	FIRME	3.758	40.79	330.7	D TIERRA	4.445	51.01	586.5
	SUELO EST2	1.731	18.61	150.0	SUELO EST1	1.857	19.86	159.9
	TERRAPLEN	0.002	0.21	2.2	VEGETAL	1.539	17.40	119.5
160.000	FIRME	3.829	37.93	368.7	D TIERRA	5.557	50.01	636.5
	SUELO EST2	2.024	18.78	168.8	SUELO EST1	2.049	19.53	179.4
	TERRAPLEN	0.014	0.08	2.3	VEGETAL	1.716	16.28	135.8
170.000	FIRME	3.704	37.67	406.3	D TIERRA	5.047	53.02	689.6
	SUELO EST2	1.970	19.97	188.8	SUELO EST1	1.957	20.03	199.4
	TERRAPLEN	0.015	0.15	2.5	VEGETAL	1.668	16.92	152.7
180.000	FIRME	4.007	38.56	444.9	D TIERRA	5.122	50.85	740.4
	SUELO EST2	2.112	20.41	209.2	SUELO EST1	2.083	20.20	219.6
	TERRAPLEN	0.380	1.97	4.4	VEGETAL	2.000	18.34	171.1

Istram 18.05.05.29 23/01/19 11:54:56 459 pagina 2
PROYECTO :
EJE: 73: Carretera P.K. 118+660

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
190.000	FIRME	3.760		38.84	483.7	D TIERRA	5.259		51.90	792.3
	SUELO EST2	1.964		20.38	229.6	SUELO EST1	1.933		20.08	239.7
	TERRAPLEN	0.136		2.58	7.0	VEGETAL	1.821		19.10	190.2
200.000	FIRME	3.689		37.24	521.0	D TIERRA	5.348		53.04	845.4
	SUELO EST2	1.671		18.17	247.7	SUELO EST1	1.796		18.64	258.3
	TERRAPLEN	0.001		0.69	7.7	VEGETAL	1.491		16.56	206.7
208.079	FIRME	3.638		29.60	550.6	D TIERRA	5.507		43.85	889.2
	SUELO EST2	1.643		13.38	261.1	SUELO EST1	1.768		14.39	272.7
	TERRAPLEN	0.001		0.01	7.7	VEGETAL	1.468		11.95	218.7

Istram 18.05.05.29 23/01/19 11:54:56 459 pagina 3
PROYECTO :
EJE: 73: Carretera P.K. 118+660

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****	
MATERIAL	VOLUMEN
-----	-----
FIRME	550.6
D TIERRA	889.2
SUELO EST2	261.1
SUELO EST1	272.7
TERRAPLEN	7.7
VEGETAL	218.7

Istram 18.05.05.29 17/01/19 18:41:31 1880 pagina 1
PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	4.356		0.00	0.0	D TIERRA	6.805		0.00	0.0
	SUELO EST2	1.972		0.00	0.0	SUELO EST1	2.096		0.00	0.0
	TERRAPLEN	0.040		0.00	0.0	VEGETAL	1.931		0.00	0.0
3.471	FIRME	4.335		15.08	15.1	D TIERRA	6.718		23.47	23.5
	SUELO EST2	1.958		6.82	6.8	SUELO EST1	2.084		7.25	7.3
	TERRAPLEN	0.039		0.14	0.1	VEGETAL	1.916		6.68	6.7
10.000	FIRME	4.351		28.52	43.6	D TIERRA	7.325		46.61	70.1
	SUELO EST2	1.969		12.91	19.7	SUELO EST1	2.094		13.74	21.0
	TERRAPLEN	0.040		0.26	0.4	VEGETAL	1.950		12.78	19.5
20.000	FIRME	4.438		44.12	87.7	D TIERRA	8.145		78.55	148.6
	SUELO EST2	2.019		20.04	39.8	SUELO EST1	2.144		21.30	42.3
	TERRAPLEN	0.040		0.40	0.8	VEGETAL	2.012		20.02	39.5
30.000	FIRME	4.196		43.44	131.2	D TIERRA	4.998		66.73	215.4
	SUELO EST2	2.058		20.43	60.2	SUELO EST1	2.176		21.65	63.9
	TERRAPLEN	0.022		0.33	1.1	VEGETAL	1.885		19.67	59.1
40.000	FIRME	3.875		40.57	171.7	D TIERRA	3.580		43.33	258.7
	SUELO EST2	2.021		20.42	80.6	SUELO EST1	2.133		21.57	85.5

	TERRAPLEN	0.000	0.13	1.3	VEGETAL	1.740	18.23	77.4
50.000	FIRME	3.855	38.65	210.4	D TIERRA	4.641	41.02	299.7
	SUELO EST2	1.855	19.40	100.0	SUELO EST1	1.980	20.59	106.1
	VEGETAL	1.638	16.91	94.3				
60.000	FIRME	4.533	41.93	252.3	D TIERRA	7.154	58.90	358.6
	SUELO EST2	2.060	19.59	119.6	SUELO EST1	2.184	20.84	126.9
	TERRAPLEN	0.040	0.20	1.5	VEGETAL	2.009	18.25	112.5
62.042	FIRME	4.535	9.25	261.6	D TIERRA	7.442	14.89	373.5
	SUELO EST2	2.059	4.21	123.8	SUELO EST1	2.183	4.46	131.4
	TERRAPLEN	0.040	0.08	1.5	VEGETAL	2.021	4.12	116.6
70.000	FIRME	4.543	36.12	297.7	D TIERRA	8.045	61.62	435.1
	SUELO EST2	2.057	16.38	140.2	SUELO EST1	2.180	17.36	148.8
	TERRAPLEN	0.040	0.32	1.9	VEGETAL	2.051	16.20	132.9
80.000	FIRME	4.749	46.46	344.1	D TIERRA	7.837	79.41	514.5
	SUELO EST2	2.158	21.08	161.3	SUELO EST1	2.281	22.31	171.1
	TERRAPLEN	0.040	0.40	2.3	VEGETAL	2.111	20.81	153.7
90.000	FIRME	4.835	47.92	392.1	D TIERRA	6.419	71.28	585.8
	SUELO EST2	2.197	21.78	183.0	SUELO EST1	2.321	23.01	194.1
	TERRAPLEN	0.040	0.40	2.7	VEGETAL	2.082	20.96	174.6

Istram 18.05.05.29 17/01/19 18:41:31 1880 pagina 2
PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	FIRME	4.387		46.11	438.2	D TIERRA	3.523		49.71	635.5
	SUELO EST2	2.289		22.43	205.5	SUELO EST1	2.391		23.56	217.6
	TERRAPLEN	0.000		0.20	2.9	VEGETAL	1.952		20.17	194.8
110.000	FIRME	4.382		43.84	482.0	D TIERRA	0.000		17.62	653.1
	SUELO EST2	2.668		24.78	230.3	SUELO EST1	2.478		24.34	242.0
	TERRAPLEN	4.040		20.20	23.1	VEGETAL	2.295		21.23	216.0
117.029	FIRME	4.375		30.78	512.8	SUELO EST2	2.656		18.71	249.0
	SUELO EST1	2.469		17.38	259.4	TERRAPLEN	4.208		28.99	52.0
	VEGETAL	2.395		16.48	232.5					

Istram 18.05.05.29 17/01/19 18:41:31 1880 pagina 3
PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****	
MATERIAL	VOLUMEN
-----	-----
FIRME	512.8
D TIERRA	653.1
SUELO EST2	249.0
SUELO EST1	259.4
TERRAPLEN	52.0
VEGETAL	232.5

DESBROCE CARRETERAS

Istram 18.05.05.29 23/01/19 14:30:56 459

PROYECTO :

EJE: 84: Acceso Cigales: Eje 1

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 53.101

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	3.383	3.391	21.422	21.495	0.000	0.000
10.000	12.691	12.691	0.000	0.000	80.371	107.476
20.000	11.391	11.391	0.000	0.000	200.781	107.476
30.000	11.836	11.836	0.000	0.000	316.915	107.476
40.000	13.032	13.032	0.000	0.000	441.252	107.476
50.000	13.145	13.145	0.000	0.000	572.134	107.476
53.101	13.180	13.180	0.000	0.000	612.950	107.476

Istram 18.05.05.29 23/01/19 14:31:05 459

PROYECTO :

EJE: 85: Acceso Cigales: Eje 2

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 74.394

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	0.000	0.000	24.237	24.349	0.000	0.000
10.000	0.000	0.000	14.579	14.715	0.000	195.319
20.000	0.000	0.000	13.051	13.231	0.000	335.049
30.000	9.643	9.673	3.343	3.596	48.216	419.184
40.000	10.490	10.604	2.062	2.315	148.879	448.740
50.000	10.253	10.383	1.403	1.620	252.591	468.415
60.000	10.170	10.321	1.173	1.380	354.704	483.416
70.000	10.142	10.327	1.000	1.192	456.261	496.279
74.394	10.323	10.523	0.898	1.079	501.222	501.270

Istram 18.05.05.29 23/01/19 14:34:31 459

PROYECTO :

EJE: 83: Acceso Cigales: Glorieta

*** DESBROCES ***

PK inicial : 0.000

PK final : 138.230

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	0.504	0.504	26.458	26.496	0.000	0.000
10.000	0.507	0.507	26.757	26.801	5.054	266.486
20.000	0.508	0.508	26.797	26.835	10.125	534.667
30.000	0.511	0.512	26.829	26.858	15.221	803.136
40.000	0.501	0.501	25.355	25.355	20.284	1064.202
50.000	0.493	0.493	25.474	25.517	25.255	1318.559
60.000	0.500	0.500	25.954	26.123	30.222	1576.756
70.000	0.502	0.502	25.028	25.371	35.229	1834.226
80.000	1.319	1.321	24.735	24.767	44.330	2077.911
90.000	0.494	0.496	25.629	25.630	53.394	2329.731
100.000	7.692	7.699	17.748	17.752	94.325	2546.617
110.000	0.500	0.500	25.828	25.834	135.286	2771.743
120.000	0.500	0.500	26.895	26.923	140.287	3028.116
130.000	0.507	0.507	26.752	26.788	145.320	3296.353
138.230	0.504	0.504	26.458	26.496	149.480	3515.312

Istram 18.05.05.29 18/01/19 13:04:56 1880

PROYECTO :

EJE: 12: Bascula Pesaje P.K. 98+200: Acceso

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 77.048

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	1.248	1.248	11.570	11.606	0.000	0.000
10.000	1.248	1.248	11.507	11.556	12.246	113.298
20.000	1.491	1.494	11.053	11.110	25.731	224.000
30.000	1.233	1.236	11.428	11.464	39.147	334.347
40.000	1.257	1.257	11.418	11.434	51.422	447.022
50.000	4.145	4.155	8.152	8.161	79.158	546.250
60.000	11.428	11.439	0.000	0.000	158.566	587.423
70.000	11.480	11.489	0.000	0.000	275.002	587.423

pagina 1

Istram 18.05.05.29 18/01/19 13:04:57 1880

PROYECTO :

EJE: 13: Bascula Pesaje P.K. 98+200: Salida

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 143.450

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	13.040	13.040	0.000	0.000	0.000	0.000
10.000	13.036	13.036	0.000	0.000	128.747	0.000
20.000	13.031	13.032	0.000	0.000	257.455	0.000
30.000	11.793	11.795	0.000	0.000	380.042	0.000
40.000	11.287	11.288	0.000	0.000	494.010	0.000
50.000	11.431	11.432	0.000	0.000	606.168	0.000
60.000	7.004	7.004	4.779	4.779	697.083	23.694
70.000	1.250	1.250	11.531	11.532	737.866	104.502
80.000	1.250	1.250	11.747	11.747	750.528	222.379
90.000	1.250	1.250	11.541	11.541	763.188	340.320
100.000	1.250	1.250	11.286	11.286	775.849	455.950
110.000	2.928	2.928	9.152	9.152	797.099	559.362
120.000	9.372	9.372	2.337	2.337	859.546	617.351
130.000	11.519	11.519	0.000	0.000	965.368	629.082
140.000	11.314	11.314	0.000	0.000	1080.903	629.082
143.450	11.367	11.367	0.000	0.000	1120.496	629.082

Istram 18.05.05.29 18/01/19 13:04:57 1880

PROYECTO :

EJE: 23: B scula Pesaje P.K. 106+950: Acceso

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 144.240

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	0.988	1.009	11.661	11.953	0.000	0.000
10.000	0.983	0.996	11.759	12.008	9.783	116.183
20.000	0.982	0.991	12.115	12.309	19.532	234.591
30.000	0.981	0.991	12.396	12.577	29.263	356.110
40.000	0.987	0.988	12.425	12.609	39.018	479.131
50.000	0.987	0.987	12.471	12.629	48.802	602.520
60.000	1.129	1.148	12.171	12.340	59.300	724.652
70.000	8.475	8.539	4.914	5.131	107.338	810.125
80.000	10.360	10.443	1.804	1.948	202.117	844.179
90.000	11.249	11.351	1.097	1.212	310.879	859.012
100.000	11.945	12.075	0.615	0.694	427.648	867.769
110.000	12.275	12.431	0.350	0.387	549.604	872.706
120.000	12.400	12.476	0.000	0.000	673.512	874.483
130.000	11.531	11.655	1.165	1.183	793.171	880.310
140.000	12.141	12.207	0.000	0.000	911.534	886.137
144.240	13.275	13.277	0.000	0.000	965.416	886.137

Istram 18.05.05.29 18/01/19 13:04:57 1880

PROYECTO :

EJE: 24: B scula Pesaje P.K. 106+950: Salida

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

PK inicial : 0.000

PK final : 87.936

ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.						
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
0.000	13.906	13.910	0.000	0.000	0.000	0.000
10.000	11.067	11.211	0.951	0.954	123.872	4.647
20.000	10.374	10.428	2.391	2.461	230.328	20.979
30.000	3.921	3.924	8.388	8.411	301.422	74.152
40.000	1.959	1.959	9.973	9.983	330.770	165.065
50.000	1.482	1.482	10.920	10.945	347.944	268.617
60.000	1.892	1.892	10.524	10.555	364.779	374.870
70.000	3.253	3.254	9.176	9.205	390.503	472.352
80.000	3.672	3.681	8.705	8.777	425.149	560.710
87.936	3.842	3.888	8.354	8.471	454.979	627.586

Istram 18.05.05.29 13/07/18 11:35:56 459

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

*** DESBROCES ***

*** cubicacion segun distancias compensadas ***

pagina 1

pagina 1

pagina 1

pagina 1

=====							
PK inicial		:	0.000				
PK final		:	160.053				
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL
P.K.							
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----
0.000	11.501	11.686	0.343	0.356	0.000	0.000	0.000
10.000	11.351	11.555	0.513	0.529	114.257	4.276	116.204
20.000	11.262	11.468	0.676	0.699	227.320	10.221	231.316
30.000	11.287	11.505	0.691	0.715	340.064	17.059	346.178
40.000	11.267	11.437	0.721	0.749	452.831	24.121	460.888
50.000	11.010	11.142	1.015	1.058	564.214	32.805	573.786
60.000	10.732	10.814	1.489	1.536	672.926	45.327	683.566
70.000	8.382	8.415	3.881	3.913	768.497	72.179	779.708
80.000	2.281	2.285	10.497	10.554	821.808	144.071	833.207
90.000	0.803	0.815	12.736	12.837	837.225	260.235	848.710
100.000	0.651	0.653	14.005	14.190	844.496	393.941	856.053
110.000	0.616	0.616	15.223	15.592	850.829	540.081	862.397
120.000	0.615	0.615	16.568	17.200	856.981	699.034	868.552
130.000	0.614	0.614	18.134	18.944	863.126	872.544	874.697
140.000	0.605	0.605	19.844	20.794	869.217	1062.435	880.790
150.000	0.601	0.601	24.056	25.274	875.246	1281.933	886.819
160.000	0.601	0.601	37.121	38.662	881.257	1587.814	892.829
160.053	0.601	0.601	37.219	38.762	881.288	1589.784	892.861

Istram 18.05.05.29 13/07/18 11:35:56 459
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 1

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Istram 18.05.05.29 13/07/18 11:35:56 459
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

pagina 1

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Istram 18.05.05.29 23/01/19 12:02:44 459
PROYECTO :
EJE: 73: Carretera P.K. 118+660

pagina 1

=====							
PK inicial		:	0.000				
PK final		:	163.363				
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.							
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	PLANTA--	--REAL--	PLANTA--	--REAL--	-----	-----	-----
0.000	0.303	0.303	36.346	38.190	0.000	0.000	0.000
10.000	0.300	0.300	35.200	36.200	4.169	246.612	4.169
20.000	0.305	0.305	30.989	31.064	8.040	458.203	8.040
30.000	0.337	0.338	30.952	30.967	11.886	642.774	11.892
40.000	0.280	0.280	29.912	29.943	15.518	820.925	15.531
50.000	0.521	0.558	35.882	37.299	20.755	1030.755	21.030
60.000	0.330	0.330	32.628	32.671	26.456	1256.918	26.994
70.000	0.300	0.300	36.685	37.711	30.666	1488.949	31.208
80.000	0.300	0.300	36.264	37.457	34.900	1745.262	35.443
90.000	0.300	0.300	35.728	37.021	39.081	1995.136	39.623
100.000	0.424	0.432	34.488	35.118	43.989	2232.728	44.585
110.000	0.445	0.455	30.888	30.994	49.486	2438.967	50.197
120.000	0.302	0.302	34.908	36.404	54.197	2648.627	54.971
130.000	0.302	0.302	34.894	36.615	58.300	2885.128	59.074
140.000	0.303	0.303	35.165	36.989	62.435	3124.444	63.209
150.000	0.303	0.303	35.592	37.449	66.611	3368.197	67.385
160.000	0.303	0.303	35.992	37.543	70.835	3617.411	71.609
163.363	0.303	0.303	36.346	38.190	72.266	3702.678	73.039
=====							
* * *							

PK inicial		:	0.000				
PK final		:	208.079				
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.							
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA--	--REAL--	-PLANTA--	--REAL--	-----	-----	-----
0.000	7.088	7.089	0.000	0.000	0.000	0.000	0.000
10.000	7.122	7.124	0.000	0.000	71.047	0.000	71.064
20.000	7.151	7.152	0.000	0.000	142.410	0.000	142.446
91.340	10.393	10.442	0.000	0.000	142.410	0.000	142.446
100.000	11.123	11.243	0.000	0.000	236.037	0.000	236.816
110.000	10.745	10.783	0.000	0.000	345.804	0.000	347.380
120.000	10.450	10.490	0.000	0.000	451.929	0.000	453.894
130.000	10.142	10.204	0.000	0.000	554.852	0.000	557.324
140.000	9.700	9.783	0.000	0.000	653.940	0.000	657.135
150.000	6.860	6.968	0.837	0.888	736.722	4.097	740.859
160.000	8.069	8.176	0.514	0.596	811.380	10.686	816.567
170.000	7.484	7.533	0.854	0.930	889.147	17.573	895.103
180.000	7.907	7.970	2.095	2.289	966.031	32.762	972.548
190.000	7.704	7.782	1.399	1.548	1043.968	50.760	1051.190
200.000	7.453	7.479	0.000	0.000	1119.756	57.947	1127.496
208.079	7.341	7.363	0.000	0.000	1179.520	57.947	1187.450

Istram 18.05.05.29 17/01/19 18:41:31 1880
PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

pagina 1

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* * * D E S B R O C E S * * *												
* * * cubicacion segun distancias compensadas * * *												
=====												
PK inicial		:	0.000									
PK final		:	117.029									
ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL						
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	--PLANTA--	--REAL--	--PLANTA--	--REAL--								
0.000	9.655	9.664	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.471	9.581	9.591	0.000	0.000	33.385	0.000	33.417	0.000	33.417	0.000	33.417	0.000
10.000	9.750	9.764	0.000	0.000	97.274	0.000	97.386	0.000	97.386	0.000	97.386	0.000
20.000	10.059	10.072	0.000	0.000	197.391	0.000	197.643	0.000	197.643	0.000	197.643	0.000
30.000	9.423	9.443	0.000	0.000	295.754	0.000	296.174	0.000	296.174	0.000	296.174	0.000
40.000	8.699	8.699	0.000	0.000	386.895	0.000	387.419	0.000	387.419	0.000	387.419	0.000
50.000	8.190	8.191	0.000	0.000	471.432	0.000	471.962	0.000	471.962	0.000	471.962	0.000
60.000	10.044	10.044	0.000	0.000	562.668	0.000	563.202	0.000	563.202	0.000	563.202	0.000
62.042	10.108	10.108	0.000	0.000	583.243	0.000	583.778	0.000	583.778	0.000	583.778	0.000
70.000	10.251	10.252	0.000	0.000	664.253	0.000	664.790	0.000	664.790	0.000	664.790	0.000
80.000	10.556	10.556	0.000	0.000	768.289	0.000	768.829	0.000	768.829	0.000	768.829	0.000
90.000	10.408	10.408	0.000	0.000	873.109	0.000	873.651	0.000	873.651	0.000	873.651	0.000
100.000	9.758	9.760	0.000	0.000	973.939	0.000	974.490	0.000	974.490	0.000	974.490	0.000
110.000	0.525	0.529	10.950	10.986	1025.353	54.752	1025.935	54.930	1025.935	54.930	1025.935	54.930
117.029	0.595	0.595	11.381	11.386	1029.288	133.237	1029.886	133.557	1029.886	133.557	1029.886	133.557

FIRMES CARRETERAS

Istram 18.05.05.29 23/01/19 12:28:55 459
PROYECTO :
EJE: 84: Acceso Cigales: Eje 1

pagina 1

Istram 18.05.05.29 23/01/19 14:34:24 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	ZA	4.984		0.00	0.0	AC32 base G	2.516		0.00 0.0
	AC22 bin D	1.334		0.00	0.0	AC16 surf S	0.940		0.00 0.0
	Rellenos	0.952		0.00	0.0				
10.000	ZA	2.686		38.35	38.4	AC32 base G	1.321	19.19	19.2
	AC22 bin D	0.690		10.12	10.1	AC16 surf S	0.481	7.10	7.1
	Rellenos	0.956		9.54	9.5				
20.000	ZA	2.140		24.13	62.5	AC32 base G	1.037	11.79	31.0
	AC22 bin D	0.538		6.14	16.3	AC16 surf S	0.372	4.26	11.4
	Rellenos	1.189		10.73	20.3				
30.000	ZA	2.139		21.40	83.9	AC32 base G	1.037	10.37	41.3
	AC22 bin D	0.537		5.37	21.6	AC16 surf S	0.372	3.72	15.1
	Rellenos	1.341		12.65	32.9				
40.000	ZA	2.139		21.39	105.3	AC32 base G	1.037	10.37	51.7
	AC22 bin D	0.537		5.37	27.0	AC16 surf S	0.372	3.72	18.8
	Rellenos	1.896		16.18	49.1				
50.000	ZA	2.139		21.39	126.7	AC32 base G	1.037	10.37	62.1
	AC22 bin D	0.537		5.37	32.4	AC16 surf S	0.372	3.72	22.5
	Rellenos	1.895		18.95	68.1				
53.101	ZA	2.139		6.63	133.3	AC32 base G	1.037	3.21	65.3
	AC22 bin D	0.537		1.67	34.0	AC16 surf S	0.372	1.15	23.7
	Rellenos	1.895		5.88	73.9				

Istram 18.05.05.29 23/01/19 12:28:55 459
PROYECTO :
EJE: 84: Acceso Cigales: Eje 1

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
ZA	133.3
AC32 base G	65.3
AC22 bin D	34.0
AC16 surf S	23.7
Rellenos	73.9

Istram 18.05.05.29 23/01/19 12:26:44 459
PROYECTO :
EJE: 85: Acceso Cigales: Eje 2

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	ZA	4.891		0.00	0.0	AC32 base G	2.468		0.00 0.0
	AC22 bin D	1.308		0.00	0.0	AC16 surf S	0.921		0.00 0.0
	Rellenos	0.952		0.00	0.0				
10.000	ZA	2.644		37.68	37.7	AC32 base G	1.299	18.84	18.8
	AC22 bin D	0.679		9.93	9.9	AC16 surf S	0.472	6.97	7.0
	Rellenos	1.020		9.86	9.9				
20.000	ZA	2.139		23.92	61.6	AC32 base G	1.036	11.68	30.5
	AC22 bin D	0.537		6.08	16.0	AC16 surf S	0.372	4.22	11.2
	Rellenos	1.030		10.25	20.1				
30.000	ZA	2.139		21.39	83.0	AC32 base G	1.036	10.36	40.9
	AC22 bin D	0.537		5.37	21.4	AC16 surf S	0.372	3.72	14.9
	Rellenos	1.029		10.30	30.4				
40.000	ZA	2.139		21.39	104.4	AC32 base G	1.036	10.36	51.2
	AC22 bin D	0.537		5.37	26.8	AC16 surf S	0.372	3.72	18.6
	Rellenos	1.030		10.30	40.7				
50.000	ZA	2.139		21.39	125.8	AC32 base G	1.036	10.36	61.6
	AC22 bin D	0.537		5.37	32.1	AC16 surf S	0.371	3.71	22.3
	Rellenos	0.961		9.95	50.7				
60.000	ZA	2.139		21.39	147.1	AC32 base G	1.036	10.36	72.0
	AC22 bin D	0.537		5.37	37.5	AC16 surf S	0.372	3.71	26.0
	Rellenos	0.904		9.32	60.0				
70.000	ZA	2.139		21.39	168.5	AC32 base G	1.036	10.36	82.3
	AC22 bin D	0.537		5.37	42.9	AC16 surf S	0.372	3.72	29.8
	Rellenos	0.861		8.82	68.8				
74.394	ZA	2.139		9.40	177.9	AC32 base G	1.036	4.55	86.9
	AC22 bin D	0.537		2.36	45.2	AC16 surf S	0.372	1.63	31.4
	Rellenos	0.814		3.68	72.5				

Istram 18.05.05.29 23/01/19 12:26:44 459
PROYECTO :
EJE: 85: Acceso Cigales: Eje 2

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
ZA	177.9
AC32 base G	86.9
AC22 bin D	45.2
AC16 surf S	31.4

Istram 18.05.05.29 23/01/19 14:34:24 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	ZA	2.639		0.00	0.0	AC32 base G	1.311		0.00 0.0
	AC22 bin D	0.696		0.00	0.0	AC16 surf S	0.491		0.00 0.0
	Rellenos	0.469		0.00	0.0				
10.000	ZA	2.639		26.39	26.4	AC32 base G	1.311	13.11	13.1
	AC22 bin D	0.696		6.96	7.0	AC16 surf S	0.491	4.91	4.9
	Rellenos	0.469		4.69	4.7				
20.000	ZA	2.639		26.39	52.8	AC32 base G	1.311	13.11	26.2
	AC22 bin D	0.696		6.96	13.9	AC16 surf S	0.491	4.91	9.8
	Rellenos	0.469		4.69	9.4				
30.000	ZA	2.639		26.39	79.2	AC32 base G	1.311	13.11	39.3
	AC22 bin D	0.696		6.96	20.9	AC16 surf S	0.491	4.91	14.7
	Rellenos	0.469		4.69	14.1				
40.000	ZA	2.639		26.39	105.6	AC32 base G	1.311	13.11	52.5
	AC22 bin D	0.696		6.96	27.8	AC16 surf S	0.491	4.91	19.6
	Rellenos	0.469		4.69	18.7				
50.000	ZA	2.639		26.39	131.9	AC32 base G	1.311	13.11	65.6
	AC22 bin D	0.696		6.96	34.8	AC16 surf S	0.491	4.91	24.5
	Rellenos	0.469		4.69	23.4				
60.000	ZA	2.639		26.39	158.3	AC32 base G	1.311	13.11	78.7
	AC22 bin D	0.696		6.96	41.7	AC16 surf S	0.491	4.91	29.4
	Rellenos	0.469		4.69	28.1				
70.000	ZA	2.639		26.39	184.7	AC32 base G	1.311	13.11	91.8
	AC22 bin D	0.696		6.96	48.7	AC16 surf S	0.491	4.91	34.4
	Rellenos	0.469		4.69	32.8				
80.000	ZA	2.639		26.39	211.1	AC32 base G	1.311	13.11	104.9
	AC22 bin D	0.696		6.96	55.6	AC16 surf S	0.491	4.91	39.3
	Rellenos	0.469		4.69	37.5				
90.000	ZA	2.639		26.39	237.5	AC32 base G	1.311	13.11	118.0
	AC22 bin D	0.696		6.96	62.6	AC16 surf S	0.491	4.91	44.2
	Rellenos	0.469		4.69	42.2				
100.000	ZA	2.639		26.39	263.9	AC32 base G	1.311	13.11	131.1
	AC22 bin D	0.696		6.96	69.6	AC16 surf S	0.491	4.91	49.1
	Rellenos	0.469		4.69	46.9				
110.000	ZA	2.639		26.39	290.3	AC32 base G	1.311	13.11	144.2
	AC22 bin D	0.696		6.96	76.5	AC16 surf S	0.491	4.91	54.0
	Rellenos	0.469		4.69	51.6				

Istram 18.05.05.29 23/01/19 14:34:24 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
120.000	ZA	2.639		26.39	316.7	AC32 base G	1.311	13.11	157.4
	AC22 bin D	0.696		6.96	83.5	AC16 surf S	0.491	4.91	58.9
	Rellenos	0.469		4.69	56.2				
130.000	ZA	2.639		26.39	343.1	AC32 base G	1.311	13.11	170.5
	AC22 bin D	0.696		6.96	90.4	AC16 surf S	0.491	4.91	63.8
	Rellenos	0.469		4.69	60.9				
138.230	ZA	2.639		21.72	364.8	AC32 base G	1.311	10.79	181.3
	AC22 bin D	0.696		5.72	96.1	AC16 surf S	0.491	4.04	67.8
	Rellenos	0.469		3.86	64.8				

Istram 18.05.05.29 23/01/19 14:34:24 459
PROYECTO :
EJE: 83: Acceso Cigales: Glorieta

pagina 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
ZA	364.8
AC32 base G	181.3
AC22 bin D	96.1
AC16 surf S	67.8
Rellenos	64.8

Istram 18.05.05.29 18/01/19 13:04:56 1880
PROYECTO :
EJE: 12: Bascula Pesaje P.K. 98+200: Acceso

pagina 1

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
0.000	Suelo Cemento	1.237		0.00	0.0	AC22 bin D	0.520		0.00 0.0
	AC16 surf S	0.197		0.00	0.0	ZA	0.770		0.00 0.0
	AC16 surf S	0.091		0.00	0.0	Rellenos	0.934		0.00 0.0
10.000	Suelo Cemento	1.237		12.28	12.3	AC22 bin D	0.520	5.15	5.2
	AC16 surf S	0.197		1.96	2.0	ZA	0.770	7.43	7.4
	AC16 surf S	0.092		0.89	0.9	Rellenos	0.934	9.16	9.2
20.000	Suelo Cemento	1.237		12.28	24.6	AC22 bin D	0.520	5.15	10.3
	AC16 surf S	0.197		1.96	3.9	ZA	0.770	7.43	14.9

	AC16 surf S	0.092	0.89	1.8	Rellenos	0.934	9.16	18.3
30.000	Suelo Cemento	1.237	12.28	36.8	AC22 bin D	0.520	5.16	15.5
	AC16 surf S	0.197	1.95	5.9	ZA	0.770	7.43	22.3
	AC16 surf S	0.092	0.89	2.7	Rellenos	0.934	9.16	27.5
40.000	Suelo Cemento	1.237	12.30	49.1	AC22 bin D	0.520	5.17	20.6
	AC16 surf S	0.197	1.96	7.8	ZA	0.770	7.48	29.8
	AC16 surf S	0.091	0.89	3.5	Rellenos	0.934	9.20	36.7
50.000	Suelo Cemento	1.237	12.46	61.6	AC22 bin D	0.520	5.24	25.9
	AC16 surf S	0.197	1.99	9.8	ZA	0.770	7.96	37.7
	AC16 surf S	0.092	0.95	4.5	Rellenos	0.934	9.52	46.2
60.000	Suelo Cemento	1.237	12.46	74.1	AC22 bin D	0.520	5.24	31.1
	AC16 surf S	0.197	1.99	11.8	ZA	0.770	7.96	45.7
	AC16 surf S	0.092	0.95	5.4	Rellenos	0.933	9.51	55.7
70.000	Suelo Cemento	1.237	12.46	86.5	AC22 bin D	0.520	5.24	36.4
	AC16 surf S	0.197	1.99	13.8	ZA	0.770	7.96	53.7
	AC16 surf S	0.092	0.95	6.4	Rellenos	1.143	10.58	66.3
77.048	Suelo Cemento	1.237	8.78	95.3	AC22 bin D	0.519	3.69	40.0
	AC16 surf S	0.198	1.40	15.2	ZA	0.769	5.61	59.3
	AC16 surf S	0.092	0.67	7.1	Rellenos	1.236	8.54	74.8

Istram 18.05.05.29 18/01/19 13:04:56 1880 pagina 2

PROYECTO :

EJE: 12: Bascula Pesaje P.K. 98+200: Acceso

* * * RESUMEN DE VOLUMENES TOTALES * * *

	MATERIAL		VOLUMEN	
	-----		-----	
	Suelo Cemento		95.3	
	AC22 bin D		40.0	
	AC16 surf S		15.2	
	ZA		59.3	
	AC16 surf S		7.1	
	Rellenos		74.8	

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 1

PROYECTO :

EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
0.000	Suelo Cemento	1.211	0.00	0.0	AC22 bin D	0.520	0.00	0.0
	AC16 surf S	0.198	0.00	0.0	ZA	0.854	0.00	0.0
	AC16 surf S	0.091	0.00	0.0	Rellenos	1.803	0.00	0.0
10.000	Suelo Cemento	1.212	12.05	12.0	AC22 bin D	0.519	5.16	5.2
	AC16 surf S	0.198	1.97	2.0	ZA	0.848	8.29	8.3
	AC16 surf S	0.091	0.89	0.9	Rellenos	1.799	17.74	17.7
20.000	Suelo Cemento	1.218	12.08	24.1	AC22 bin D	0.519	5.16	10.3
	AC16 surf S	0.198	1.97	3.9	ZA	0.832	8.18	16.5
	AC16 surf S	0.092	0.89	1.8	Rellenos	1.787	17.67	35.4
30.000	Suelo Cemento	1.236	12.20	36.3	AC22 bin D	0.520	5.16	15.5
	AC16 surf S	0.197	1.96	5.9	ZA	0.772	7.81	24.3
	AC16 surf S	0.092	0.89	2.7	Rellenos	1.236	14.90	50.3
40.000	Suelo Cemento	1.237	12.30	48.6	AC22 bin D	0.520	5.17	20.7
	AC16 surf S	0.197	1.96	7.9	ZA	0.771	7.51	31.8
	AC16 surf S	0.091	0.89	3.6	Rellenos	0.933	10.70	61.0
50.000	Suelo Cemento	1.237	12.30	60.9	AC22 bin D	0.520	5.17	25.8
	AC16 surf S	0.197	1.96	9.8	ZA	0.770	7.50	39.3
	AC16 surf S	0.092	0.89	4.5	Rellenos	0.934	9.20	70.2
60.000	Suelo Cemento	1.226	12.25	73.2	AC22 bin D	0.520	5.16	31.0
	AC16 surf S	0.198	1.96	11.8	ZA	0.804	7.66	47.0
	AC16 surf S	0.092	0.89	5.4	Rellenos	0.955	9.30	79.5
70.000	Suelo Cemento	1.210	12.12	85.3	AC22 bin D	0.520	5.17	36.2
	AC16 surf S	0.198	1.97	13.7	ZA	0.862	8.16	55.1
	AC16 surf S	0.091	0.90	6.3	Rellenos	0.989	9.60	89.1
80.000	Suelo Cemento	1.193	12.09	97.4	AC22 bin D	0.520	5.23	41.4
	AC16 surf S	0.198	1.99	15.7	ZA	0.915	9.12	64.2
	AC16 surf S	0.092	0.94	7.2	Rellenos	1.020	10.21	99.3
90.000	Suelo Cemento	1.181	11.95	109.3	AC22 bin D	0.520	5.23	46.6
	AC16 surf S	0.199	1.99	17.7	ZA	0.959	9.62	73.9
	AC16 surf S	0.092	0.94	8.1	Rellenos	1.045	10.51	109.8
100.000	Suelo Cemento	1.182	11.89	121.2	AC22 bin D	0.520	5.23	51.8
	AC16 surf S	0.198	1.99	19.7	ZA	0.957	9.83	83.7
	AC16 surf S	0.092	0.95	9.1	Rellenos	1.044	10.64	120.5
110.000	Suelo Cemento	1.196	11.96	133.2	AC22 bin D	0.520	5.23	57.1
	AC16 surf S	0.198	1.99	21.7	ZA	0.908	9.57	93.3
	AC16 surf S	0.092	0.95	10.0	Rellenos	1.015	10.48	131.0

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 2

PROYECTO :

EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
120.000	Suelo Cemento	1.215	12.12	145.3	AC22 bin D	0.520	5.23	62.3
	AC16 surf S	0.197	1.99	23.7	ZA	0.841	8.98	102.2
	AC16 surf S	0.092	0.94	11.0	Rellenos	0.977	10.13	141.1
130.000	Suelo Cemento	1.229	12.29	157.6	AC22 bin D	0.520	5.23	67.5
	AC16 surf S	0.197	1.99	25.7	ZA	0.795	8.39	110.6
	AC16 surf S	0.092	0.94	11.9	Rellenos	0.949	9.78	150.9

140.000	Suelo Cemento	1.236	12.39	170.0	AC22 bin D	0.520	5.23	72.8
	AC16 surf S	0.197	1.99	27.7	ZA	0.774	8.05	118.7
	AC16 surf S	0.092	0.94	12.8	Rellenos	0.988	9.84	160.7
143.450	Suelo Cemento	1.237	4.29	174.3	AC22 bin D	0.520	1.80	74.6
	AC16 surf S	0.197	0.68	28.4	ZA	0.770	2.73	121.4
	AC16 surf S	0.092	0.32	13.2	Rellenos	1.003	3.49	164.2

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 3

PROYECTO :

EJE: 13: Bascula Pesaje P.K. 98+200: Salida

* * * RESUMEN DE VOLUMENES TOTALES * * *

	MATERIAL		VOLUMEN	
	-----		-----	
	Suelo Cemento		174.3	
	AC22 bin D		74.6	
	AC16 surf S		28.4	
	ZA		121.4	
	AC16 surf S		13.2	
	Rellenos		164.2	

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 1

PROYECTO :

EJE: 23: Bascula Pesaje P.K. 106+950: Acceso

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
-----	-----	-----	-----	-----	-----	-----	-----	-----
0.000	Suelo Cemento	1.237	0.00	0.0	AC22 bin D	0.520	0.00	0.0
	AC16 surf S	0.246	0.00	0.0	ZA	0.770	0.00	0.0
	AC16 surf S	0.115	0.00	0.0	Rellenos	0.970	0.00	0.0
10.000	Suelo Cemento	1.237	12.33	12.3	AC22 bin D	0.520	5.18	5.2
	AC16 surf S	0.246	2.45	2.5	ZA	0.769	7.58	7.6
	AC16 surf S	0.115	1.14	1.1	Rellenos	0.970	9.62	9.6
20.000	Suelo Cemento	1.237	12.33	24.7	AC22 bin D	0.520	5.18	10.4
	AC16 surf S	0.246	2.45	4.9	ZA	0.770	7.58	15.2
	AC16 surf S	0.115	1.13	2.3	Rellenos	0.969	9.62	19.2
30.000	Suelo Cemento	1.237	12.33	37.0	AC22 bin D	0.519	5.18	15.5
	AC16 surf S	0.246	2.45	7.4	ZA	0.770	7.58	22.7
	AC16 surf S	0.115	1.13	3.4	Rellenos	0.970	9.62	28.9
40.000	Suelo Cemento	1.237	12.33	49.3	AC22 bin D	0.520	5.18	20.7
	AC16 surf S	0.246	2.45	9.8	ZA	0.769	7.58	30.3
	AC16 surf S	0.115	1.14	4.5	Rellenos	0.970	9.62	38.5
50.000	Suelo Cemento	1.236	12.33	61.7	AC22 bin D	0.520	5.18	25.9
	AC16 surf S	0.246	2.45	12.3	ZA	0.769	7.58	37.9
	AC16 surf S	0.115	1.13	5.7	Rellenos	0.970	9.62	48.1
60.000	Suelo Cemento	1.237	12.33	74.0	AC22 bin D	0.519	5.18	31.1
	AC16 surf S	0.246	2.45	14.7	ZA	0.770	7.58	45.5
	AC16 surf S	0.115	1.13	6.8	Rellenos	0.970	9.62	57.7
70.000	Suelo Cemento	1.237	12.37	86.4	AC22 bin D	0.520	5.20	36.3
	AC16 surf S	0.246	2.46	17.2	ZA	0.770	7.70	53.2
	AC16 surf S	0.115	1.15	8.0	Rellenos	0.970	9.70	67.4
80.000	Suelo Cemento	1.237	12.41	98.8	AC22 bin D	0.519	5.21	41.5
	AC16 surf S	0.246	2.47	19.6	ZA	0.770	7.81	61.0
	AC16 surf S	0.115	1.17	9.1	Rellenos	0.966	9.76	77.2
90.000	Suelo Cemento	1.237	12.41	111.2	AC22 bin D	0.519	5.21	46.7
	AC16 surf S	0.246	2.47	22.1	ZA	0.770	7.81	68.8
	AC16 surf S	0.115	1.17	10.3	Rellenos	1.088	10.34	87.5
100.000	Suelo Cemento	1.237	12.41	123.6	AC22 bin D	0.520	5.22	51.9
	AC16 surf S	0.246	2.47	24.6	ZA	0.769	7.81	76.6
	AC16 surf S	0.115	1.17	11.5	Rellenos	1.178	11.40	98.9
110.000	Suelo Cemento	1.237	12.41	136.0	AC22 bin D	0.520	5.22	57.1
	AC16 surf S	0.246	2.47	27.1	ZA	0.770	7.81	84.4
	AC16 surf S	0.115	1.17	12.6	Rellenos	1.223	12.07	111.0

Istram 18.05.05.29 18/01/19 13:04:57 1880 pagina 2

PROYECTO :

EJE: 23: Bascula Pesaje P.K. 106+950: Acceso

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	Suelo Cemento	1.237	12.40	148.4	AC22 bin D	0.520	5.21	62.3
	AC16 surf S	0.246	2.47	29.5	ZA	0.769	7.77	92.2
	AC16 surf S	0.115	1.16	13.8	Rellenos	1.380	13.05	124.0
130.000	Suelo Cemento	1.237	12.37	160.8	AC22 bin D	0.519	5.20	67.5
	AC16 surf S	0.246	2.46	32.0	ZA	0.770	7.69	99.9
	AC16 surf S	0.115	1.15	14.9	Rellenos	1.380	13.80	137.8
140.000	Suelo Cemento	1.237	12.37	173.1	AC22 bin D	0.520	5.20	72.7
	AC16 surf S	0.246	2.46	34.4	ZA	0.769	7.69	107.6
	AC16 surf S	0.115	1.15	16.1	Rellenos	1.379	13.79	151.6
144.240	Suelo Cemento	1.237	5.25	178.4	AC22 bin D	0.520	2.20	74.9
	AC16 surf S	0.246	1.04	35.5	ZA	0.769	3.26	110.9
	AC16 surf S	0.115	0.49	16.6	Rellenos	1.785	6.71	158.3

MATERIAL	VOLUMEN
Suelo Cemento	178.4
AC22 bin D	74.9
AC16 surf S	35.5
ZA	110.9
AC16 surf S	16.6
Rellenos	158.3

Istram 18.05.05.29 18/01/19 13:04:57 1880

PROYECTO :

EJE: 24: Bvta Pesaje P.K. 106+950: Salida

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	Suelo Cemento	1.354	0.00	0.0	0.0	AC22 bin D	0.590	0.00	0.0	0.0
	AC16 surf S	0.281	0.00	0.0	0.0	ZA	0.844	0.00	0.0	0.0
	AC16 surf S	0.115	0.00	0.0	0.0	Rellenos	1.842	0.00	0.0	0.0
10.000	Suelo Cemento	1.315	13.29	13.3	0.570	AC22 bin D	0.570	5.77	5.8	5.8
	AC16 surf S	0.271	2.75	2.8	0.837	ZA	0.837	8.27	8.3	8.3
	AC16 surf S	0.115	1.13	1.1	1.046	Rellenos	1.046	14.30	14.3	14.3
20.000	Suelo Cemento	1.296	13.00	26.3	0.549	AC22 bin D	0.549	5.57	11.3	11.3
	AC16 surf S	0.261	2.65	5.4	0.770	ZA	0.770	7.91	16.2	16.2
	AC16 surf S	0.115	1.13	2.3	0.969	Rellenos	0.969	9.99	24.3	24.3
30.000	Suelo Cemento	1.255	12.71	39.0	0.529	AC22 bin D	0.529	5.37	16.7	16.7
	AC16 surf S	0.251	2.55	7.9	0.769	ZA	0.769	7.58	23.8	23.8
	AC16 surf S	0.115	1.13	3.4	0.970	Rellenos	0.970	9.61	33.9	33.9
40.000	Suelo Cemento	1.237	12.42	51.4	0.520	AC22 bin D	0.520	5.22	21.9	21.9
	AC16 surf S	0.246	2.47	10.4	0.770	ZA	0.770	7.58	31.3	31.3
	AC16 surf S	0.115	1.13	4.5	0.970	Rellenos	0.970	9.62	43.5	43.5
50.000	Suelo Cemento	1.236	12.33	63.8	0.520	AC22 bin D	0.520	5.18	27.1	27.1
	AC16 surf S	0.246	2.45	12.9	0.769	ZA	0.769	7.58	38.9	38.9
	AC16 surf S	0.115	1.13	5.7	0.970	Rellenos	0.970	9.62	53.1	53.1
60.000	Suelo Cemento	1.236	12.33	76.1	0.520	AC22 bin D	0.520	5.18	32.3	32.3
	AC16 surf S	0.246	2.45	15.3	0.769	ZA	0.769	7.58	46.5	46.5
	AC16 surf S	0.115	1.13	6.8	0.970	Rellenos	0.970	9.62	62.8	62.8
70.000	Suelo Cemento	1.237	12.33	88.4	0.519	AC22 bin D	0.519	5.18	37.5	37.5
	AC16 surf S	0.246	2.45	17.8	0.770	ZA	0.770	7.58	54.1	54.1
	AC16 surf S	0.115	1.13	7.9	0.970	Rellenos	0.970	9.62	72.4	72.4
80.000	Suelo Cemento	1.237	12.33	100.7	0.519	AC22 bin D	0.519	5.18	42.7	42.7
	AC16 surf S	0.246	2.45	20.2	0.770	ZA	0.770	7.58	61.7	61.7
	AC16 surf S	0.115	1.13	9.1	0.969	Rellenos	0.969	9.62	82.0	82.0
87.936	Suelo Cemento	1.237	9.79	110.5	0.520	AC22 bin D	0.520	4.11	46.8	46.8
	AC16 surf S	0.246	1.95	22.2	0.769	ZA	0.769	6.02	67.7	67.7
	AC16 surf S	0.115	0.90	10.0	0.970	Rellenos	0.970	7.63	89.6	89.6

Istram 18.05.05.29 18/01/19 13:04:57 1880

PROYECTO :

EJE: 24: Bvta Pesaje P.K. 106+950: Salida

pagina 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
Suelo Cemento	110.5
AC22 bin D	46.8
AC16 surf S	22.2
ZA	67.7
AC16 surf S	10.0
Rellenos	89.6

Istram 18.05.05.29 13/07/18 11:33:25 459

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	1.613	0.00	0.0	0.0	ZA	1.390	0.00	0.0	0.0
	AC22 bin D	0.770	0.00	0.0	0.0	AC16 surf S	0.372	0.00	0.0	0.0
	Rellenos	1.101	0.00	0.0	0.0					
10.000	ZA	1.612	16.13	16.1	1.389	ZA	1.389	13.90	13.9	13.9
	AC22 bin D	0.770	7.70	7.7	0.372	AC16 surf S	0.372	3.72	3.7	3.7
	Rellenos	1.100	11.00	11.0						
20.000	ZA	1.611	16.12	32.2	1.389	ZA	1.389	13.89	27.8	27.8
	AC22 bin D	0.771	7.70	15.4	0.372	AC16 surf S	0.372	3.72	7.4	7.4
	Rellenos	1.100	11.00	22.0						
30.000	ZA	1.611	16.11	48.4	1.389	ZA	1.389	13.89	41.7	41.7
	AC22 bin D	0.771	7.71	23.1	0.372	AC16 surf S	0.372	3.72	11.2	11.2
	Rellenos	1.099	10.99	33.0						
40.000	ZA	1.609	16.10	64.5	1.390	ZA	1.390	13.89	55.6	55.6
	AC22 bin D	0.770	7.70	30.8	0.372	AC16 surf S	0.372	3.72	14.9	14.9
	Rellenos	1.098	10.98	44.0						
50.000	ZA	1.608	16.09	80.5	1.389	ZA	1.389	13.90	69.5	69.5
	AC22 bin D	0.771	7.70	38.5	0.372	AC16 surf S	0.372	3.72	18.6	18.6
	Rellenos	1.097	10.98	55.0						
60.000	ZA	1.608	16.08	96.6	1.389	ZA	1.389	13.89	83.4	83.4
	AC22 bin D	0.770	7.70	46.2	0.372	AC16 surf S	0.372	3.72	22.3	22.3
	Rellenos	1.096	10.97	65.9						
70.000	ZA	1.606	16.07	112.7	1.389	ZA	1.389	13.89	97.3	97.3
	AC22 bin D	0.771	7.70	53.9	0.372	AC16 surf S	0.372	3.72	26.0	26.0

80.000	Rellenos	1.096	10.96	76.9						
	ZA	1.606	16.06	128.8	ZA	1.389	13.89	111.1		
	AC22 bin D	0.771	7.71	61.6	AC16 surf S	0.372	3.72	29.7		
	Rellenos	1.095	10.95	87.8						
90.000	ZA	1.605	16.06	144.8	ZA	1.389	13.89	125.0		
	AC22 bin D	0.770	7.70	69.3	AC16 surf S	0.372	3.72	33.5		
	Rellenos	1.094	10.95	98.8						
100.000	ZA	1.604	16.05	160.9	ZA	1.389	13.89	138.9		
	AC22 bin D	0.771	7.70	77.0	AC16 surf S	0.372	3.72	37.2		
	Rellenos	1.093	10.94	109.7						
110.000	ZA	1.603	16.04	176.9	ZA	1.389	13.89	152.8		
	AC22 bin D	0.770	7.70	84.7	AC16 surf S	0.372	3.72	40.9		
	Rellenos	1.093	10.93	120.7						

Istram 18.05.05.29 13/07/18 11:33:25 459

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

pagina 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	ZA	1.603	16.03	192.9		ZA	1.389	13.89	166.7	166.7
	AC22 bin D	0.771	7.70	92.4		AC16 surf S	0.372	3.72	44.6	44.6
	Rellenos	1.092	10.92	131.6						
130.000	ZA	1.602	16.03	209.0		ZA	1.389	13.89	180.6	180.6
	AC22 bin D	0.770	7.70	100.1		AC16 surf S	0.372	3.72	48.3	48.3
	Rellenos	1.091	10.92	142.5						
140.000	ZA	1.603	16.03	225.0		ZA	1.389	13.89	194.5	194.5
	AC22 bin D	0.770	7.70	107.8		AC16 surf S	0.371	3.72	52.1	52.1
	Rellenos	1.090	10.90	153.4						
150.000	ZA	2.040	18.21	243.2		ZA	1.793	15.91	210.4	210.4
	AC22 bin D	1.009	8.90	116.7		AC16 surf S	0.490	4.31	56.4	56.4
	Rellenos	1.083	10.86	164.3						
160.000	ZA	4.063	30.51	273.7		ZA	3.690	27.42	237.8	237.8
	AC22 bin D	2.126	15.67	132.4		AC16 surf S	1.047	7.69	64.1	64.1
	Rellenos	1.076	10.80	175.1						
160.053	ZA	4.077	0.22	273.9		ZA	3.707	0.20	238.0	238.0
	AC22 bin D	2.133	0.11	132.5		AC16 surf S	1.052	0.06	64.1	64.1
	Rellenos	1.076	0.06	175.1						

Istram 18.05.05.29 13/07/18 11:33:25 459

PROYECTO :

EJE: 68: Carretera P.K. 107+830: Eje 1

pagina 3

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	273.9
ZA	238.0
AC22 bin D	132.5
AC16 surf S	64.1
Rellenos	175.1

Istram 18.05.05.29 13/07/18 11:35:50 459

PROYECTO :

EJE: 69: Carretera P.K. 107+830: Eje 2

pagina 1

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	2.008		0.00	0.0	ZA		1.730	0.00	0.0
	AC22 bin D	0.970		0.00	0.0	AC16 surf S	0.472		0.00	0.0
	Rellenos	0.935		0.00	0.0					
10.000	ZA	2.008	20.08	20.1	1.730	ZA	1.730	17.30	17.3	17.3
	AC22 bin D	0.970	9.70	9.7	0.472	AC16 surf S	0.472	4.72	4.7	4.7
	Rellenos	1.124	10.29	10.3						
20.000	ZA	2.008	20.08	40.2	1.730	ZA	1.730	17.30	34.6	34.6
	AC22 bin D	0.970	9.70	19.4	0.472	AC16 surf S	0.472	4.72	9.4	9.4
	Rellenos	1.124	11.24	21.5						
30.000	ZA	2.008	20.08	60.2	1.730	ZA	1.730	17.30	51.9	51.9
	AC22 bin D	0.970	9.70	29.1	0.472	AC16 surf S	0.472	4.72	14.1	14.1
	Rellenos	1.124	11.24	32.8						
40.000	ZA	2.008	20.08	80.3	1.730	ZA	1.730	17.30	69.2	69.2
	AC22 bin D	0.970	9.70	38.8	0.472	AC16 surf S	0.472	4.72	18.9	18.9
	Rellenos	1.124	11.24	44.0						
50.000	ZA	2.008	20.08	100.4	1.730	ZA	1.730	17.30	86.5	86.5
	AC22 bin D	0.970	9.70	48.5	0.472	AC16 surf S	0.472	4.72	23.6	23.6
	Rellenos	1.124	11.24	55.2						
60.000	ZA	2.008	20.08	120.5	1.730	ZA	1.730	17.30	103.8	103.8
	AC22 bin D	0.970	9.70	58.2	0.472	AC16 surf S	0.472	4.72	28.3	28.3
	Rellenos	1.124	11.24	66.5						
70.000	ZA	2.008	20.08	140.6	1.730	ZA	1.730	17.30	121.1	121.1
	AC22 bin D	0.970	9.70	67.9	0.472	AC16 surf S	0.472	4.72	33.0	33.0
	Rellenos	1.124	11.24	77.7						
80.000	ZA	2.008	20.08	160.6	1.730	ZA	1.730	17.30	138.4	138.4
	AC22 bin D	0.970	9.70	77.6	0.472	AC16 surf S	0.472	4.72	37.7	37.7
	Rellenos	1.124	11.24	89.0						
126.000	ZA	2.008	0.00	160.6	1.729	ZA	1.729	0.00	138.4	138.4
	AC22 bin D	0.971	0.00	77.6	0.472	AC16 surf S	0.472	0.00	37.7	37.7
	Rellenos	1.124	0.00	89.0						
130.000	ZA	2.008	8.03	168.7		ZA	1.730	6.92	145.3	

140.000	AC22 bin D	0.970	3.88	81.5	AC16 surf S	0.472	1.89	39.6
	Rellenos	1.124	4.50	93.4				
	ZA	2.031	20.19	188.9	ZA	1.754	17.42	162.7
	AC22 bin D	0.986	9.78	91.3	AC16 surf S	0.479	4.76	44.4
	Rellenos	1.122	11.23	104.7				

Istram 18.05.05.29 13/07/18 11:35:50 459 pagina 2
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
150.000	ZA	3.492		27.62	216.5	ZA	3.089		24.21	186.9
	AC22 bin D	1.769		13.77	105.1	AC16 surf S	0.871		6.75	51.1
	Rellenos	1.135		11.28	116.0					
151.360	ZA	3.913		5.04	221.5	ZA	3.476		4.46	191.4
	AC22 bin D	1.999		2.56	107.6	AC16 surf S	0.985		1.26	52.4
	Rellenos	1.137		1.54	117.5					

Istram 18.05.05.29 13/07/18 11:35:50 459 pagina 3
PROYECTO :
EJE: 69: Carretera P.K. 107+830: Eje 2

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	221.5
ZA	191.4
AC22 bin D	107.6
AC16 surf S	52.4
Rellenos	117.5

Istram 18.05.05.29 13/07/18 11:33:25 459 pagina 1
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	1.967		0.00	0.0	ZA	1.731		0.00	0.0
	AC22 bin D	0.995		0.00	0.0	AC16 surf S	0.490		0.00	0.0
	Rellenos	0.576		0.00	0.0					
10.000	ZA	1.988		17.37	17.4	ZA	1.732		14.98	15.0
	AC22 bin D	0.995		8.56	8.6	AC16 surf S	0.490		4.21	4.2
	Rellenos	0.583		6.29	6.3					
20.000	ZA	2.007		17.59	35.0	ZA	1.731		14.98	30.0
	AC22 bin D	0.995		8.56	17.1	AC16 surf S	0.490		4.20	8.4
	Rellenos	0.589		6.36	12.6					
30.000	ZA	2.020		17.76	52.7	ZA	1.731		14.98	44.9
	AC22 bin D	0.995		8.56	25.7	AC16 surf S	0.489		4.20	12.6
	Rellenos	0.594		6.42	19.1					
40.000	ZA	2.026		17.86	70.6	ZA	1.730		14.97	59.9
	AC22 bin D	0.995		8.56	34.3	AC16 surf S	0.490		4.20	16.8
	Rellenos	0.595		6.45	25.5					
50.000	ZA	2.022		17.87	88.4	ZA	1.731		14.97	74.9
	AC22 bin D	0.995		8.56	42.8	AC16 surf S	0.489		4.20	21.0
	Rellenos	0.594		6.46	32.0					
60.000	ZA	2.010		17.78	106.2	ZA	1.731		14.97	89.9
	AC22 bin D	0.995		8.56	51.4	AC16 surf S	0.490		4.20	25.2
	Rellenos	0.590		6.43	38.4					
70.000	ZA	1.992		17.62	123.8	ZA	1.732		14.98	104.8
	AC22 bin D	0.995		8.56	59.9	AC16 surf S	0.490		4.20	29.4
	Rellenos	0.584		6.37	44.8					
80.000	ZA	1.971		17.41	141.2	ZA	1.731		14.98	119.8
	AC22 bin D	0.995		8.56	68.5	AC16 surf S	0.490		4.20	33.6
	Rellenos	0.577		6.30	51.1					
90.000	ZA	1.949		17.18	158.4	ZA	1.731		14.98	134.8
	AC22 bin D	0.995		8.57	77.1	AC16 surf S	0.491		4.21	37.8
	Rellenos	0.569		6.22	57.3					
100.000	ZA	1.930		16.96	175.4	ZA	1.732		14.98	149.8
	AC22 bin D	0.995		8.56	85.6	AC16 surf S	0.491		4.21	42.0
	Rellenos	0.562		6.13	63.4					
110.000	ZA	1.917		16.79	192.2	ZA	1.732		14.98	164.7
	AC22 bin D	0.995		8.56	94.2	AC16 surf S	0.491		4.21	46.2
	Rellenos	0.557		6.07	69.5					

Istram 18.05.05.29 13/07/18 11:33:25 459 pagina 2
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	ZA	1.912		16.69	208.9	ZA	1.731		14.98	179.7
	AC22 bin D	0.996		8.57	102.8	AC16 surf S	0.491		4.21	50.5
	Rellenos	0.555		6.03	75.5					
130.000	ZA	1.913		16.67	225.5	ZA	1.732		14.98	194.7

140.000	AC22 bin D	0.995	8.57	111.3	AC16 surf S	0.491	4.21	54.7
	Rellenos	0.556	6.02	81.5				
	ZA	1.923	16.73	242.3	ZA	1.732	14.98	209.7
	AC22 bin D	0.995	8.56	119.9	AC16 surf S	0.491	4.22	58.9
	Rellenos	0.559	6.04	87.6				
150.000	ZA	1.939	16.87	259.1	ZA	1.732	14.98	224.7
	AC22 bin D	0.995	8.56	128.5	AC16 surf S	0.491	4.21	63.1
	Rellenos	0.566	6.10	93.7				
160.000	ZA	1.960	17.07	276.2	ZA	1.731	14.98	239.7
	AC22 bin D	0.995	8.57	137.0	AC16 surf S	0.490	4.21	67.3
	Rellenos	0.573	6.17	99.9				
163.363	ZA	1.967	5.79	282.0	ZA	1.731	5.04	244.7
	AC22 bin D	0.995	2.88	139.9	AC16 surf S	0.490	1.41	68.7
	Rellenos	0.576	2.10	101.9				

Istram 18.05.05.29 13/07/18 11:33:25 459 pagina 3
PROYECTO :
EJE: 67: Carretera P.K. 107+830: Glorieta Dch.

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	282.0
ZA	244.7
AC22 bin D	139.9
AC16 surf S	68.7
Rellenos	101.9

Istram 18.05.05.29 23/01/19 12:00:56 459 pagina 1
PROYECTO :
EJE: 73: Carretera P.K. 118+660

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZA	1.273		0.00	0.0	ZA	1.203		0.00	0.0
	AC22 bin D	0.709		0.00	0.0	AC16 surf S	0.353		0.00	0.0
10.000	ZA	1.279		12.76	12.8	ZA	1.209		12.06	12.1
	AC22 bin D	0.712		7.11	7.1	AC16 surf S	0.354		3.53	3.5
20.000	ZA	1.284		12.82	25.6	ZA	1.214		12.12	24.2
	AC22 bin D	0.715		7.13	14.2	AC16 surf S	0.354		3.54	7.1
91.340	ZA	1.566		0.00	25.6	ZA	1.388		0.00	24.2
	AC22 bin D	0.770		0.00	14.2	AC16 surf S	0.365		0.00	7.1
	Rellenos	0.357		0.00	0.0					
100.000	ZA	1.570		13.58	39.2	ZA	1.389		12.02	36.2
	AC22 bin D	0.770		6.67	20.9	AC16 surf S	0.364		3.16	10.2
	Rellenos	0.423		3.39	3.4					
110.000	ZA	1.570		15.70	54.9	ZA	1.389		13.89	50.1
	AC22 bin D	0.770		7.70	28.6	AC16 surf S	0.364		3.64	13.9
	Rellenos	0.432		4.27	7.7					
120.000	ZA	1.569		15.70	70.5	ZA	1.389		13.89	64.0
	AC22 bin D	0.770		7.70	36.3	AC16 surf S	0.365		3.64	17.5
	Rellenos	0.432		4.32	12.0					
130.000	ZA	1.570		15.70	86.2	ZA	1.389		13.89	77.9
	AC22 bin D	0.770		7.70	44.0	AC16 surf S	0.365		3.65	21.2
	Rellenos	0.408		4.20	16.2					
140.000	ZA	1.558		15.64	101.9	ZA	1.389		13.89	91.8
	AC22 bin D	0.770		7.70	51.7	AC16 surf S	0.364		3.64	24.8
	Rellenos	0.320		3.61	19.8					
150.000	ZA	1.383		14.70	116.6	ZA	1.291		13.40	105.2
	AC22 bin D	0.730		7.50	59.2	AC16 surf S	0.354		3.59	28.4
	Rellenos	0.000		1.58	21.4					
160.000	ZA	1.439		14.10	130.7	ZA	1.306		12.98	118.1
	AC22 bin D	0.730		7.30	66.5	AC16 surf S	0.354		3.54	31.9
170.000	ZA	1.375		14.08	144.8	ZA	1.256		12.82	131.0
	AC22 bin D	0.720		7.25	73.8	AC16 surf S	0.353		3.54	35.5
180.000	ZA	1.481		14.29	159.0	ZA	1.348		13.02	144.0
	AC22 bin D	0.750		7.35	81.1	AC16 surf S	0.359		3.56	39.0
	Rellenos	0.069		0.34	21.7					
190.000	ZA	1.372		14.28	173.3	ZA	1.281		13.14	157.1
	AC22 bin D	0.746		7.47	88.6	AC16 surf S	0.359		3.59	42.6
	Rellenos	0.001		0.34	22.0					

Istram 18.05.05.29 23/01/19 12:00:56 459 pagina 2
PROYECTO :
EJE: 73: Carretera P.K. 118+660

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
200.000	ZA	1.339		13.57	186.9	ZA	1.266		12.74	169.9
	AC22 bin D	0.730		7.38	96.0	AC16 surf S	0.354		3.56	46.2
208.079	ZA	1.319		10.73	197.6	ZA	1.245		10.15	180.0
	AC22 bin D	0.720		5.86	101.8	AC16 surf S	0.354		2.86	49.0

Istram 18.05.05.29 23/01/19 12:00:56 459 pagina 3
PROYECTO :
EJE: 73: Carretera P.K. 118+660

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL		VOLUMEN
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ZA		197.6
ZA		180.0
AC22 bin D		101.8
AC16 surf S		49.0
Rellenos		22.1

Istram 18.05.05.29 17/01/19 18:41:31 1880

pagina 1

PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	ZA	1.541	0.00	0.0	ZA	1.389	0.00	0.0
	AC22 bin D	0.770	0.00	0.0	AC16 surf S	0.364	0.00	0.0
	Rellenos	0.292	0.00	0.0				
3.471	ZA	1.532	5.33	5.3	ZA	1.389	4.82	4.8
	AC22 bin D	0.770	2.67	2.7	AC16 surf S	0.365	1.27	1.3
	Rellenos	0.280	0.99	1.0				
10.000	ZA	1.539	10.06	15.4	ZA	1.389	9.07	13.9
	AC22 bin D	0.770	5.03	7.7	AC16 surf S	0.365	2.38	3.6
	Rellenos	0.289	1.99	3.0				
20.000	ZA	1.564	15.54	30.9	ZA	1.389	13.89	27.8
	AC22 bin D	0.770	7.70	15.4	AC16 surf S	0.364	3.64	7.3
	Rellenos	0.350	3.35	6.3				
30.000	ZA	1.529	15.50	46.4	ZA	1.351	13.73	41.5
	AC22 bin D	0.750	7.61	23.0	AC16 surf S	0.359	3.62	10.9
	Rellenos	0.207	2.99	9.3				
40.000	ZA	1.482	15.08	61.5	ZA	1.310	13.33	54.8
	AC22 bin D	0.731	7.42	30.4	AC16 surf S	0.354	3.56	14.5
	Rellenos	0.000	1.19	10.5				
50.000	ZA	1.462	14.72	76.2	ZA	1.310	13.09	67.9
	AC22 bin D	0.730	7.30	37.7	AC16 surf S	0.354	3.54	18.0
60.000	ZA	1.570	15.16	91.4	ZA	1.389	13.49	81.4
	AC22 bin D	0.770	7.50	45.2	AC16 surf S	0.365	3.59	21.6
	Rellenos	0.439	2.19	12.7				
62.042	ZA	1.570	3.21	94.6	ZA	1.389	2.84	84.2
	AC22 bin D	0.770	1.57	46.8	AC16 surf S	0.365	0.75	22.3
	Rellenos	0.440	0.89	13.6				
70.000	ZA	1.570	12.49	107.1	ZA	1.389	11.06	95.3
	AC22 bin D	0.770	6.13	52.9	AC16 surf S	0.365	2.91	25.3
	Rellenos	0.447	3.53	17.1				
80.000	ZA	1.644	16.07	123.2	ZA	1.459	14.24	109.5
	AC22 bin D	0.811	7.91	60.8	AC16 surf S	0.386	3.76	29.0
	Rellenos	0.449	4.48	21.6				
90.000	ZA	1.726	16.85	140.0	ZA	1.560	15.09	124.6
	AC22 bin D	0.870	8.41	69.2	AC16 surf S	0.416	4.01	33.0
	Rellenos	0.264	3.57	25.2				
100.000	ZA	1.668	16.97	157.0	ZA	1.484	15.22	139.9
	AC22 bin D	0.831	8.51	77.7	AC16 surf S	0.404	4.10	37.1
	Rellenos	0.000	1.32	26.5				

Istram 18.05.05.29 17/01/19 18:41:31 1880

pagina 2

PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

110.000	ZA	1.665	16.67	173.6	ZA	1.482	14.83	154.7
	AC22 bin D	0.831	8.31	86.1	AC16 surf S	0.404	4.04	41.2
117.029	ZA	1.661	11.69	185.3	ZA	1.480	10.41	165.1
	AC22 bin D	0.830	5.84	91.9	AC16 surf S	0.404	2.84	44.0

Istram 18.05.05.29 17/01/19 18:41:31 1880

pagina 3

PROYECTO :
EJE: 70: Carretera acceso Dch. P.K. 117+200

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
ZA	185.3
ZA	165.1
AC22 bin D	91.9
AC16 surf S	44.0
Rellenos	26.5

LISTADOS DE MEDICIÓN DE CAMINOS

TIERRAS CAMINOS

Istram 18.05.05.29 25/01/19 14:03:47 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 0

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	1.639	0.00	0.0	D TIERRA	1.769	0.00	0.0
	S ADECUADO	1.937	0.00	0.0	TERRAPLEN	1.254	0.00	0.0
	VEGETAL	2.013	0.00	0.0				
10.000	FIRME	1.639	16.39	16.4	D TIERRA	2.718	22.44	22.4
	S ADECUADO	1.937	19.37	19.4	TERRAPLEN	0.228	7.41	7.4
	VEGETAL	1.858	19.36	19.4				
20.000	FIRME	1.639	16.39	32.8	D TIERRA	1.856	22.87	45.3
	S ADECUADO	1.958	19.47	38.8	TERRAPLEN	0.052	1.40	8.8
	VEGETAL	1.658	17.58	36.9				
30.000	FIRME	1.639	16.39	49.2	D TIERRA	0.519	11.88	57.2
	S ADECUADO	1.938	19.48	58.3	TERRAPLEN	0.080	0.66	9.5
	VEGETAL	1.546	16.02	53.0				
40.000	FIRME	1.639	16.39	65.6	D TIERRA	0.158	3.38	60.6
	S ADECUADO	1.938	19.38	77.7	TERRAPLEN	0.591	3.35	12.8
	VEGETAL	1.573	15.60	68.6				
50.000	FIRME	1.639	16.39	82.0	D TIERRA	0.755	4.56	65.1
	S ADECUADO	1.938	19.38	97.1	TERRAPLEN	0.661	6.26	19.1
	VEGETAL	1.661	16.17	84.7				
60.000	FIRME	1.639	16.39	98.3	D TIERRA	0.264	5.10	70.2
	S ADECUADO	1.937	19.38	116.5	TERRAPLEN	0.784	7.22	26.3
	VEGETAL	1.606	16.34	101.1				
70.000	FIRME	1.639	16.39	114.7	RELL PIE TERRA	0.050	0.25	0.2
	D TIERRA	0.022	1.43	71.7	S ADECUADO	1.916	19.27	135.7
	TERRAPLEN	0.768	7.76	34.1	VEGETAL	1.501	15.53	116.6
80.000	FIRME	1.639	16.39	131.1	RELL PIE TERRA	0.050	0.50	0.7
	D TIERRA	0.000	0.11	71.8	S ADECUADO	1.917	19.16	154.9
	TERRAPLEN	0.745	7.56	41.6	VEGETAL	1.472	14.86	131.5
90.000	FIRME	1.639	16.39	147.5	RELL PIE TERRA	0.050	0.50	1.2
	S ADECUADO	1.917	19.17	174.1	TERRAPLEN	0.583	6.64	48.3
	VEGETAL	1.422	14.47	145.9				
100.000	FIRME	1.639	16.39	163.9	RELL PIE TERRA	0.050	0.50	1.7
	D TIERRA	0.044	0.22	72.0	S ADECUADO	1.915	19.16	193.2
	TERRAPLEN	0.236	4.10	52.4	VEGETAL	1.388	14.05	160.0
110.000	FIRME	1.639	16.39	180.3	RELL PIE TERRA	0.050	0.50	2.2
	D TIERRA	0.171	1.07	73.1	S ADECUADO	1.908	19.11	212.3
	TERRAPLEN	0.008	1.22	53.6	VEGETAL	1.354	13.71	173.7

Istram 18.05.05.29 25/01/19 14:03:48 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 1

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
120.000	FIRME	1.639	16.39	196.7	RELL PIE TERRA	0.000	0.25	2.5
	D TIERRA	1.615	8.93	82.0	S ADECUADO	1.958	19.33	231.7
	TERRAPLEN	0.066	0.37	54.0	VEGETAL	1.627	14.91	188.6
130.000	FIRME	1.639	16.39	213.1	D TIERRA	2.503	20.59	102.6
	S ADECUADO	1.957	19.58	251.2	TERRAPLEN	0.066	0.66	54.6
	VEGETAL	1.743	16.85	205.4				
140.000	FIRME	1.639	16.39	229.5	D TIERRA	2.715	26.09	128.7
	S ADECUADO	1.958	19.58	270.8	TERRAPLEN	0.068	0.67	55.3
	VEGETAL	1.764	17.53	223.0				
150.000	FIRME	1.639	16.39	245.9	D TIERRA	1.221	19.68	148.4
	S ADECUADO	1.936	19.47	290.3	TERRAPLEN	0.034	0.51	55.8
	VEGETAL	1.585	16.75	239.7				
160.000	FIRME	1.639	16.39	262.3	RELL PIE TERRA	0.046	0.23	2.7
	D TIERRA	0.000	6.11	154.5	S ADECUADO	1.918	19.27	309.6
	TERRAPLEN	2.344	11.89	67.7	VEGETAL	1.572	15.79	255.5
170.000	FIRME	1.639	16.39	278.6	RELL PIE TERRA	0.050	0.48	3.2
	S ADECUADO	1.917	19.17	328.7	TERRAPLEN	5.844	40.94	108.6
	VEGETAL	1.816	16.94	272.5				
180.000	FIRME	1.639	16.39	295.0	RELL PIE TERRA	0.050	0.50	3.7
	S ADECUADO	1.917	19.17	347.9	TERRAPLEN	3.959	49.01	157.6
	VEGETAL	1.686	17.51	290.0				
187.077	FIRME	1.639	11.60	306.6	RELL PIE TERRA	0.050	0.35	4.0
	S ADECUADO	1.917	13.57	361.5	TERRAPLEN	1.870	20.62	178.3
	VEGETAL	1.527	11.37	301.3				
190.000	FIRME	1.639	4.79	311.4	RELL PIE TERRA	0.050	0.15	4.2
	S ADECUADO	1.918	5.60	367.1	TERRAPLEN	1.068	4.29	182.6
	VEGETAL	1.462	4.37	305.7				
200.000	FIRME	1.639	16.39	327.8	RELL PIE TERRA	0.050	0.50	4.7
	D TIERRA	0.055	0.28	154.7	S ADECUADO	1.915	19.16	386.2
	TERRAPLEN	0.216	6.42	189.0	VEGETAL	1.385	14.24	319.9
210.000	FIRME	1.639	16.39	344.2	RELL PIE TERRA	0.050	0.50	5.2
	D TIERRA	0.163	1.09	155.8	S ADECUADO	1.908	19.11	405.4
	TERRAPLEN	0.010	1.13	190.1	VEGETAL	1.357	13.71	333.7
220.000	FIRME	1.639	16.39	360.6	RELL PIE TERRA	0.000	0.25	5.4
	D TIERRA	0.662	4.13	160.0	S ADECUADO	1.932	19.20	424.6
	TERRAPLEN	0.035	0.22	190.3	VEGETAL	1.474	14.16	347.8

Istram 18.05.05.29 25/01/19 14:03:48 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 2

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	FIRME	1.639	16.39	377.0	D TIERRA	1.298	9.80	169.8
	S ADECUADO	1.957	19.45	444.0	TERRAPLEN	0.066	0.50	190.8
	VEGETAL	1.649	15.62	363.4				
240.000	FIRME	1.639	16.39	393.4	D TIERRA	2.183	17.41	187.2
	S ADECUADO	1.958	19.58	463.6	TERRAPLEN	0.060	0.63	191.5
	VEGETAL	1.717	16.83	380.3				
250.000	FIRME	1.639	16.39	409.8	D TIERRA	3.821	30.02	217.2
	S ADECUADO	1.958	19.58	483.2	TERRAPLEN	0.060	0.60	192.1
	VEGETAL	1.837	17.77	398.0				
260.000	FIRME	1.639	16.39	426.2	D TIERRA	4.576	41.99	259.2
	S ADECUADO	1.958	19.58	502.7	TERRAPLEN	0.060	0.60	192.7
	VEGETAL	1.889	18.63	416.7				
270.000	FIRME	1.639	16.39	442.6	D TIERRA	4.956	47.66	306.8
	S ADECUADO	1.958	19.58	522.3	TERRAPLEN	0.060	0.60	193.3
	VEGETAL	1.914	19.02	435.7				
280.000	FIRME	1.639	16.39	458.9	D TIERRA	6.678	58.17	365.0
	S ADECUADO	1.957	19.58	541.9	TERRAPLEN	0.060	0.60	193.9
	VEGETAL	2.025	19.70	455.4				
290.000	FIRME	1.639	16.39	475.3	D TIERRA	7.232	69.55	434.6
	S ADECUADO	1.958	19.58	561.5	TERRAPLEN	0.060	0.60	194.5
	VEGETAL	2.055	20.40	475.8				
300.000	FIRME	1.639	16.39	491.7	D TIERRA	7.415	73.24	507.8
	S ADECUADO	1.958	19.58	581.1	TERRAPLEN	0.060	0.60	195.1
	VEGETAL	2.065	20.60	496.4				
310.000	FIRME	1.639	16.39	508.1	D TIERRA	15.909	116.62	624.4
	S ADECUADO	1.957	19.58	600.6	TERRAPLEN	0.047	0.53	195.6
	VEGETAL	2.058	20.61	517.0				
320.000	FIRME	1.639	16.39	524.5	D TIERRA	1.016	84.62	709.0
	S ADECUADO	1.937	19.47	620.1	TERRAPLEN	1.236	6.41	202.0
	VEGETAL	1.845	19.51	536.5				
330.000	FIRME	1.639	16.39	540.9	D TIERRA	16.873	89.44	798.5
	S ADECUADO	1.958	19.47	639.6	TERRAPLEN	0.059	6.48	208.5
	VEGETAL	2.496	21.70	558.2				
340.000	FIRME	1.639	16.39	557.3	D TIERRA	2.480	96.77	895.2
	S ADECUADO	1.958	19.58	659.2	TERRAPLEN	0.062	0.61	209.1
	VEGETAL	1.719	21.07	579.3				

Istram 18.05.05.29 25/01/19 14:03:48 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 3

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
350.000	FIRME	1.639	16.39	573.7	D TIERRA	1.324	19.02	914.3
	S ADECUADO	1.938	19.48	678.6	TERRAPLEN	0.035	0.48	209.6
	VEGETAL	1.596	16.58	595.9				
360.000	FIRME	1.639	16.39	590.1	RELL PIE TERRA	0.049	0.24	5.7
	D TIERRA	0.000	6.62	920.9	S ADECUADO	1.918	19.28	697.9
	TERRAPLEN	2.560	12.97	222.6	VEGETAL	1.561	15.79	611.6
370.000	FIRME	1.639	16.39	606.5	RELL PIE TERRA	0.000	0.24	5.9
	D TIERRA	2.711	13.56	934.4	S ADECUADO	1.938	19.28	717.2
	TERRAPLEN	0.442	15.01	237.6	VEGETAL	1.955	17.58	629.2
380.000	FIRME	1.639	16.39	622.9	D TIERRA	6.140	44.26	978.7
	S ADECUADO	1.958	19.48	736.7	TERRAPLEN	0.079	2.60	240.2
	VEGETAL	2.057	20.06	649.3				
390.000	FIRME	1.639	16.39	639.2	D TIERRA	7.801	69.70	1048.4
	S ADECUADO	1.938	19.48	756.1	TERRAPLEN	0.539	3.09	243.3
	VEGETAL	2.708	23.83	673.1				
400.000	FIRME	1.639	16.39	655.6	D TIERRA	14.437	111.19	1159.6
	S ADECUADO	1.957	19.47	775.6	TERRAPLEN	0.061	3.00	246.3
	VEGETAL	2.466	25.87	699.0				
410.000	FIRME	1.639	16.39	672.0	D TIERRA	6.078	102.57	1262.2
	S ADECUADO	1.958	19.58	795.2	TERRAPLEN	0.059	0.60	246.9
	VEGETAL	1.983	22.24	721.2				
420.000	FIRME	1.639	16.39	688.4	RELL PIE TERRA	0.049	0.24	6.2
	D TIERRA	0.000	30.39	1292.5	S ADECUADO	1.917	19.38	814.6
	TERRAPLEN	2.719	13.89	260.8	VEGETAL	1.591	17.87	739.1
430.000	FIRME	1.639	16.39	704.8	RELL PIE TERRA	0.048	0.49	6.6
	S ADECUADO	1.917	19.17	833.7	TERRAPLEN	14.787	87.53	348.3
	VEGETAL	2.313	19.52	758.6				
440.000	FIRME	1.639	16.39	721.2	RELL PIE TERRA	0.048	0.48	7.1

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
460.000	FIRME	1.639	10.98	754.0	RELL PIE TERRA	0.048	0.33	8.1
	S ADECUADO	1.918	12.85	891.3	TERRAPLEN	23.844	161.80	963.9
	VEGETAL	2.771	18.60	836.7				
470.000	FIRME	1.639	16.39	770.4	RELL PIE TERRA	0.050	0.49	8.6
	S ADECUADO	1.917	19.18	910.4	TERRAPLEN	17.697	207.71	1171.6
	VEGETAL	2.484	26.27	863.0				
480.000	FIRME	1.639	16.39	786.8	RELL PIE TERRA	0.052	0.51	9.1
	S ADECUADO	1.917	19.17	929.6	TERRAPLEN	21.809	197.53	1369.1
	VEGETAL	2.569	25.27	888.3				
490.000	FIRME	1.639	16.39	803.2	RELL PIE TERRA	0.055	0.53	9.6
	S ADECUADO	1.918	19.17	948.8	TERRAPLEN	2.934	123.72	1492.9
	VEGETAL	1.659	21.14	909.4				
500.000	FIRME	1.639	16.39	819.6	RELL PIE TERRA	0.055	0.55	10.2
	D TIERRA	0.273	1.37	1293.9	S ADECUADO	1.937	19.27	968.1
	TERRAPLEN	2.608	27.71	1520.6	VEGETAL	1.861	17.60	927.0
502.113	FIRME	1.639	3.46	823.0	RELL PIE TERRA	0.055	0.12	10.3
	D TIERRA	0.044	0.33	1294.2	S ADECUADO	1.905	4.06	972.1
	TERRAPLEN	3.327	6.27	1526.8	VEGETAL	1.657	3.72	930.7
510.000	FIRME	1.639	12.93	835.9	RELL PIE TERRA	0.054	0.43	10.7
	D TIERRA	0.000	0.17	1294.4	S ADECUADO	1.918	15.08	987.2
	TERRAPLEN	5.526	34.91	1561.7	VEGETAL	1.803	13.64	944.4
520.000	FIRME	1.639	16.39	852.3	RELL PIE TERRA	0.053	0.54	11.3
	S ADECUADO	1.917	19.18	1006.4	TERRAPLEN	8.195	68.60	1630.3
	VEGETAL	1.987	18.95	963.3				
530.000	FIRME	1.639	16.39	868.7	RELL PIE TERRA	0.052	0.53	11.8
	S ADECUADO	1.917	19.17	1025.5	TERRAPLEN	8.121	81.58	1711.9
	VEGETAL	1.964	19.75	983.1				
540.000	FIRME	1.639	16.39	885.1	RELL PIE TERRA	0.052	0.52	12.3
	S ADECUADO	1.918	19.17	1044.7	TERRAPLEN	10.168	91.45	1803.4
	VEGETAL	2.085	20.24	1003.3				
550.000	FIRME	1.639	16.39	901.5	RELL PIE TERRA	0.050	0.51	12.8
	S ADECUADO	1.917	19.17	1063.9	TERRAPLEN	11.255	107.11	1910.5
	VEGETAL	2.062	20.74	1024.1				
560.000	FIRME	1.639	16.39	917.9	RELL PIE TERRA	0.052	0.51	13.3
	D TIERRA	0.036	0.18	1294.6	S ADECUADO	1.912	19.15	1083.0
	TERRAPLEN	4.708	79.81	1990.3	VEGETAL	1.700	18.81	1042.9

Istram 18.05.05.29 25/01/19 14:03:48 459 pagina 5
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
570.000	FIRME	1.639	16.39	934.3	RELL PIE TERRA	0.053	0.52	13.8
	D TIERRA	0.031	0.34	1294.9	S ADECUADO	1.915	19.14	1102.2
	TERRAPLEN	0.448	25.78	2016.1	VEGETAL	1.423	15.62	1058.5
580.000	FIRME	1.639	16.39	950.7	RELL PIE TERRA	0.051	0.52	14.4
	D TIERRA	0.261	1.46	1296.4	S ADECUADO	1.937	19.26	1121.4
	TERRAPLEN	0.039	2.43	2018.5	VEGETAL	1.504	14.64	1073.1
590.000	FIRME	1.639	16.39	967.1	RELL PIE TERRA	0.051	0.51	14.9
	D TIERRA	0.699	4.80	1301.2	S ADECUADO	1.932	19.35	1140.8
	TERRAPLEN	0.035	0.37	2018.9	VEGETAL	1.492	14.98	1088.1
600.000	FIRME	1.639	16.39	983.5	RELL PIE TERRA	0.000	0.25	15.1
	D TIERRA	1.877	12.88	1314.1	S ADECUADO	1.958	19.45	1160.2
	TERRAPLEN	0.061	0.48	2019.3	VEGETAL	1.684	15.88	1104.0
610.000	FIRME	1.639	16.39	999.9	D TIERRA	3.126	25.01	1339.1
	S ADECUADO	1.957	19.57	1179.8	TERRAPLEN	0.059	0.60	2020.0
	VEGETAL	1.776	17.30	1121.3				
620.000	FIRME	1.639	16.39	1016.3	D TIERRA	4.845	39.86	1378.9
	S ADECUADO	1.957	19.57	1199.4	TERRAPLEN	0.059	0.59	2020.5
	VEGETAL	1.891	18.33	1139.6				
630.000	FIRME	1.639	16.39	1032.6	D TIERRA	7.622	62.34	1441.3
	S ADECUADO	1.958	19.57	1219.0	TERRAPLEN	0.059	0.59	2021.1
	VEGETAL	2.066	19.78	1159.4				
640.000	FIRME	1.639	16.39	1049.0	D TIERRA	11.413	95.18	1536.5
	S ADECUADO	1.957	19.58	1238.5	TERRAPLEN	0.060	0.59	2021.7
	VEGETAL	2.310	21.88	1181.3				
650.000	FIRME	1.639	16.39	1065.4	D TIERRA	16.622	140.18	1676.6
	S ADECUADO	1.958	19.58	1258.1	TERRAPLEN	0.060	0.60	2022.3
	VEGETAL	2.576	24.43	1205.7				
660.000	FIRME	1.639	16.39	1081.8	D TIERRA	23.777	202.00	1878.6
	S ADECUADO	1.958	19.58	1277.7	TERRAPLEN	0.060	0.60	2022.9
	VEGETAL	2.902	27.39	1233.1				
661.062	FIRME	1.639	1.74	1083.6	D TIERRA	24.230	25.49	1904.1
	S ADECUADO	1.958	2.08	1279.8	TERRAPLEN	0.060	0.06	2023.0
	VEGETAL	2.921	3.09	1236.2				
670.000	FIRME	1.639	14.65	1098.2	D TIERRA	30.075	242.69	2146.8
	S ADECUADO	1.958	17.50	1297.3	TERRAPLEN	0.060	0.54	2023.5
	VEGETAL	3.161	27.18	1263.4				

Istram 18.05.05.29 25/01/19 14:03:48 459 pagina 6
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
680.000	FIRME	1.639	16.39	1114.6	D TIERRA	37.747	339.11	2485.9
	S ADECUADO	1.957	19.58	1316.8	TERRAPLEN	0.059	0.60	2024.1

690.000	VEGETAL	3.441	33.01	1296.4				
	FIRME	1.639	16.39	1131.0	D TIERRA	51.765	447.56	2933.5
	S ADECUADO	1.958	19.58	1336.4	TERRAPLEN	0.060	0.60	2024.7
700.000	VEGETAL	3.923	36.82	1333.2				
	FIRME	1.639	16.39	1147.4	D TIERRA	65.430	585.98	3519.5
	S ADECUADO	1.958	19.58	1356.0	TERRAPLEN	0.059	0.60	2025.3
	VEGETAL	4.321	41.22	1374.4				
703.157	FIRME	1.639	5.17	1152.5	D TIERRA	70.762	214.98	3734.4
	S ADECUADO	1.958	6.18	1362.2	TERRAPLEN	0.059	0.19	2025.5
	VEGETAL	4.465	13.87	1388.3				
710.000	FIRME	1.639	11.22	1163.8	D TIERRA	83.937	529.30	4263.7
	S ADECUADO	1.957	13.40	1375.6	TERRAPLEN	0.059	0.40	2025.9
	VEGETAL	4.792	31.67	1420.0				
720.000	FIRME	1.639	16.39	1180.2	D TIERRA	99.783	918.60	5182.3
	S ADECUADO	1.958	19.58	1395.1	TERRAPLEN	0.058	0.58	2026.5
	VEGETAL	5.214	50.03	1470.0				
730.000	FIRME	1.639	16.39	1196.5	D TIERRA	111.874	1058.28	6240.6
	S ADECUADO	1.958	19.58	1414.7	TERRAPLEN	0.051	0.55	2027.0
	VEGETAL	5.496	53.55	1523.6				
740.000	FIRME	1.639	16.39	1212.9	D TIERRA	100.426	1061.50	7302.1
	S ADECUADO	1.958	19.58	1434.3	TERRAPLEN	0.055	0.53	2027.6
	VEGETAL	5.034	52.65	1576.2				
750.000	FIRME	1.639	16.39	1229.3	D TIERRA	52.093	762.59	8064.7
	S ADECUADO	1.958	19.58	1453.9	TERRAPLEN	0.057	0.56	2028.1
	VEGETAL	3.866	44.50	1620.7				
760.000	FIRME	1.639	16.39	1245.7	D TIERRA	13.593	328.43	8393.1
	S ADECUADO	1.958	19.58	1473.5	TERRAPLEN	0.057	0.57	2028.7
	VEGETAL	2.376	31.21	1651.9				
770.000	FIRME	1.639	16.39	1262.1	RELL PIE TERRA	0.049	0.25	15.4
	D TIERRA	0.000	67.97	8461.1	S ADECUADO	1.917	19.37	1492.8
	TERRAPLEN	8.578	43.18	2071.9	VEGETAL	2.064	22.20	1674.1
780.000	FIRME	1.639	16.39	1278.5	RELL PIE TERRA	0.047	0.48	15.9
	S ADECUADO	1.917	19.17	1512.0	TERRAPLEN	56.924	327.51	2399.4
	VEGETAL	3.967	30.15	1704.3				

Istram 18.05.05.29 25/01/19 14:03:48 459 pagina 7
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
790.000	FIRME	1.639	16.39	1294.9	RELL PIE TERRA	0.050	0.48	16.3
	S ADECUADO	1.917	19.17	1531.2	TERRAPLEN	78.018	674.71	3074.1
	VEGETAL	4.566	42.67	1746.9				
800.000	FIRME	1.639	16.39	1311.3	RELL PIE TERRA	0.049	0.50	16.8
	S ADECUADO	1.918	19.18	1550.4	TERRAPLEN	71.973	749.96	3824.1
	VEGETAL	4.395	44.81	1791.7				
810.000	FIRME	1.639	16.39	1327.7	RELL PIE TERRA	0.049	0.49	17.3
	S ADECUADO	1.918	19.18	1569.5	TERRAPLEN	69.139	705.56	4529.6
	VEGETAL	4.312	43.54	1835.3				
820.000	FIRME	1.639	16.39	1344.1	RELL PIE TERRA	0.050	0.49	17.8
	S ADECUADO	1.918	19.18	1588.7	TERRAPLEN	58.957	640.48	5170.1
	VEGETAL	4.004	41.58	1876.9				
830.000	FIRME	1.639	16.39	1360.5	RELL PIE TERRA	0.050	0.50	18.3
	S ADECUADO	1.917	19.18	1607.9	TERRAPLEN	51.380	551.69	5721.8
	VEGETAL	3.785	38.94	1915.8				
840.000	FIRME	1.639	16.39	1376.8	RELL PIE TERRA	0.049	0.50	18.8
	S ADECUADO	1.917	19.17	1627.1	TERRAPLEN	45.031	482.06	6203.8
	VEGETAL	3.547	36.66	1952.5				
850.000	FIRME	1.639	16.39	1393.2	RELL PIE TERRA	0.049	0.49	19.3
	S ADECUADO	1.917	19.17	1646.2	TERRAPLEN	38.394	417.13	6621.0
	VEGETAL	3.311	34.29	1986.8				
860.000	FIRME	1.639	16.39	1409.6	RELL PIE TERRA	0.050	0.50	19.8
	S ADECUADO	1.917	19.17	1665.4	TERRAPLEN	32.701	355.47	6976.4
	VEGETAL	3.132	32.21	2019.0				
870.000	FIRME	1.639	16.39	1426.0	RELL PIE TERRA	0.050	0.50	20.3
	S ADECUADO	1.917	19.17	1684.6	TERRAPLEN	27.745	302.23	7278.7
	VEGETAL	2.932	30.32	2049.3				
880.000	FIRME	1.639	16.39	1442.4	RELL PIE TERRA	0.050	0.50	20.8
	S ADECUADO	1.918	19.18	1703.7	TERRAPLEN	24.416	260.80	7539.5
	VEGETAL	2.781	28.57	2077.9				
890.000	FIRME	1.639	16.39	1458.8	RELL PIE TERRA	0.050	0.50	21.3
	S ADECUADO	1.917	19.17	1722.9	TERRAPLEN	23.962	241.89	7781.4

930.000	FIRME	1.639	16.39	1524.4	RELL PIE TERRA	0.050	0.50	23.3
	S ADECUADO	1.918	19.18	1799.6	TERRAPLEN	17.107	174.25	8551.2
	VEGETAL	2.456	24.73	2207.9				
940.000	FIRME	1.639	16.39	1540.8	RELL PIE TERRA	0.050	0.50	23.8
	S ADECUADO	1.918	19.18	1818.8	TERRAPLEN	15.706	164.07	8715.3
	VEGETAL	2.402	24.29	2232.2				
942.871	FIRME	1.639	4.71	1545.5	RELL PIE TERRA	0.050	0.14	23.9
	S ADECUADO	1.918	5.51	1824.3	TERRAPLEN	15.443	44.71	8760.0
	VEGETAL	2.389	6.88	2239.1				
950.000	FIRME	1.639	11.68	1557.1	RELL PIE TERRA	0.050	0.36	24.3
	S ADECUADO	1.917	13.67	1838.0	TERRAPLEN	15.118	108.93	8868.9
	VEGETAL	2.362	16.94	2256.0				
960.000	FIRME	1.639	16.39	1573.5	RELL PIE TERRA	0.050	0.50	24.8
	S ADECUADO	1.917	19.17	1857.2	TERRAPLEN	14.786	149.52	9018.5
	VEGETAL	2.322	23.42	2279.4				
970.000	FIRME	1.639	16.39	1589.9	RELL PIE TERRA	0.050	0.50	25.3
	S ADECUADO	1.918	19.17	1876.3	TERRAPLEN	14.268	145.27	9163.7
	VEGETAL	2.295	23.08	2302.5				
974.204	FIRME	1.639	6.89	1596.8	RELL PIE TERRA	0.050	0.21	25.5
	S ADECUADO	1.917	8.06	1884.4	TERRAPLEN	13.992	59.40	9223.1
	VEGETAL	2.283	9.62	2312.1				
980.000	FIRME	1.639	9.50	1606.3	RELL PIE TERRA	0.050	0.29	25.8
	S ADECUADO	1.918	11.11	1895.5	TERRAPLEN	13.620	80.02	9303.2
	VEGETAL	2.268	13.19	2325.3				
990.000	FIRME	1.639	16.39	1622.7	RELL PIE TERRA	0.049	0.50	26.3
	S ADECUADO	1.918	19.18	1914.7	TERRAPLEN	13.143	133.82	9437.0
	VEGETAL	2.246	22.57	2347.9				
1000.000	FIRME	1.639	16.39	1639.1	RELL PIE TERRA	0.050	0.50	26.8
	S ADECUADO	1.917	19.18	1933.9	TERRAPLEN	12.833	129.88	9566.9
	VEGETAL	2.230	22.38	2370.3				

Istram 18.05.05.29 25/01/19 14:03:48 459 pagina 9
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
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1004.443	FIRME	1.639	7.28	1646.4	RELL PIE TERRA	0.050	0.22	27.0	
	S ADECUADO	1.917	8.52	1942.4	TERRAPLEN	12.782	56.90	9623.8	
	VEGETAL	2.215	9.88	2380.2					
1010.000	FIRME	1.639	9.11	1655.5	RELL PIE TERRA	0.048	0.27	27.3	
	S ADECUADO	1.917	10.65	1953.0	TERRAPLEN	12.562	70.42	9694.2	
	VEGETAL	2.163	12.17	2392.3					
1020.000	FIRME	1.639	16.39	1671.9	RELL PIE TERRA	0.000	0.24	27.5	
	D TIERRA	4.475	22.37	8483.5	S ADECUADO	1.958	19.37	1972.4	
	TERRAPLEN	0.059	63.10	9757.3	VEGETAL	1.877	20.20	2412.5	
1026.452	FIRME	1.639	10.58	1682.5	D TIERRA	2.962	23.99	8507.5	
	S ADECUADO	1.958	12.63	1985.0	TERRAPLEN	0.062	0.39	9757.7	
	VEGETAL	1.790	11.83	2424.4					

Istram 18.05.05.29 25/01/19 14:03:48 459 pagina 10
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****									
	MATERIAL			VOLUMEN					
	-----			-----					
	FIRME			1682.5					
	RELL PIE TERRA			27.5					
	D TIERRA			8507.5					
	S ADECUADO			1985.0					
	TERRAPLEN			9757.7					
	VEGETAL			2424.4					

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 1
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
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0.000	FIRME	1.639	0.00	0.0	D TIERRA	2.833	0.00	0.0	
	S ADECUADO	1.958	0.00	0.0	TERRAPLEN	0.063	0.00	0.0	
	VEGETAL	2.157	0.00	0.0					
10.000	FIRME	1.639	16.39	16.4	D TIERRA	2.303	25.68	25.7	
	S ADECUADO	1.958	19.58	19.6	TERRAPLEN	0.062	0.62	0.6	
	VEGETAL	2.125	21.41	21.4					
20.000	FIRME	1.639	16.39	32.8	D TIERRA	1.744	20.24	45.9	
	S ADECUADO	1.958	19.58	39.2	TERRAPLEN	0.065	0.64	1.3	
	VEGETAL	2.089	21.07	42.5					
30.000	FIRME	1.639	16.39	49.2	D TIERRA	1.128	14.36	60.3	
	S ADECUADO	1.958	19.58	58.7	TERRAPLEN	0.077	0.71	2.0	
	VEGETAL	2.048	20.69	63.2					
40.000	FIRME	1.639	16.39	65.6	D TIERRA	1.068	10.98	71.3	
	S ADECUADO	1.958	19.58	78.3	TERRAPLEN	0.079	0.78	2.7	
	VEGETAL	2.044	20.46	83.6					
50.000	FIRME	1.639	16.39	82.0	D TIERRA	0.224	6.46	77.7	
	S ADECUADO	1.878	19.18	97.5	TERRAPLEN	0.052	0.66	3.4	
	VEGETAL	1.757	19.00	102.6					

60.000	FIRME	1.639	16.39	98.4	D TIERRA	0.000	1.12	78.8
	S ADECUADO	1.853	18.66	116.2	TERRAPLEN	0.543	2.98	6.4
	VEGETAL	1.563	16.60	119.2				
70.000	FIRME	1.639	16.39	114.7	S ADECUADO	1.911	18.82	135.0
	TERRAPLEN	1.956	12.49	18.9	VEGETAL	1.715	16.39	135.6
	FIRME	1.639	16.39	131.1	S ADECUADO	1.915	19.13	154.1
80.000	TERRAPLEN	2.267	21.11	40.0	VEGETAL	1.746	17.30	152.9
	FIRME	1.639	16.39	147.5	S ADECUADO	1.916	19.16	173.3
	TERRAPLEN	2.219	22.43	62.4	VEGETAL	1.741	17.43	170.4
90.000	FIRME	1.639	16.39	163.9	S ADECUADO	1.914	19.15	192.4
	TERRAPLEN	1.929	20.74	83.1	VEGETAL	1.712	17.27	187.6
	FIRME	1.639	16.39	180.3	S ADECUADO	1.915	19.15	211.6
100.000	TERRAPLEN	1.996	19.63	102.8	VEGETAL	1.719	17.15	204.8
	FIRME	1.639	16.39	196.7	S ADECUADO	1.917	19.16	230.7
	TERRAPLEN	2.191	20.94	123.7	VEGETAL	1.738	17.28	222.1
110.000	FIRME	1.639	16.39	213.1	S ADECUADO	1.917	19.17	249.9
	TERRAPLEN	2.439	23.15	146.9	VEGETAL	1.762	17.50	239.6
	FIRME	1.639	16.39	229.5	S ADECUADO	1.894	19.06	269.0
120.000	TERRAPLEN	1.103	17.71	164.6	VEGETAL	1.629	16.96	256.5

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 2
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** cubicacion segun distancias compensadas*****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
150.000	FIRME	1.639	16.39	245.9	S ADECUADO	1.880	18.87	287.8
	TERRAPLEN	0.893	9.98	174.6	VEGETAL	1.603	16.16	272.7
160.000	FIRME	1.639	16.39	262.2	S ADECUADO	1.879	18.80	306.6
	TERRAPLEN	0.868	8.80	183.4	VEGETAL	1.601	16.02	288.7
170.000	FIRME	1.639	16.39	278.6	S ADECUADO	1.896	18.88	325.5
	TERRAPLEN	1.209	10.38	193.7	VEGETAL	1.638	16.19	304.9
180.000	FIRME	1.639	16.39	295.0	S ADECUADO	1.909	19.03	344.5
	TERRAPLEN	1.641	14.25	208.0	VEGETAL	1.683	16.60	321.5
190.000	FIRME	1.639	16.39	311.4	S ADECUADO	1.917	19.13	363.7
	TERRAPLEN	2.265	19.53	227.5	VEGETAL	1.745	17.14	338.6
200.000	FIRME	1.639	16.39	327.8	S ADECUADO	1.917	19.17	382.8
	TERRAPLEN	2.930	25.98	253.5	VEGETAL	1.809	17.77	356.4
210.000	FIRME	1.639	16.39	344.2	S ADECUADO	1.918	19.18	402.0
	TERRAPLEN	3.689	33.10	286.6	VEGETAL	1.879	18.44	374.9
220.000	FIRME	1.639	16.39	360.6	S ADECUADO	1.918	19.18	421.2
	TERRAPLEN	4.546	41.18	327.8	VEGETAL	1.957	19.18	394.0
230.000	FIRME	1.639	16.39	377.0	S ADECUADO	1.917	19.17	440.4
	TERRAPLEN	7.015	57.81	385.6	VEGETAL	2.162	20.59	414.6
240.000	FIRME	1.639	16.39	393.4	S ADECUADO	1.917	19.17	459.5
	TERRAPLEN	7.310	71.63	457.2	VEGETAL	2.186	21.74	436.4
250.000	FIRME	1.639	16.39	409.8	S ADECUADO	1.917	19.17	478.7
	TERRAPLEN	7.822	75.66	532.9	VEGETAL	2.225	22.06	458.4
260.000	FIRME	1.639	16.39	426.2	S ADECUADO	1.917	19.17	497.9
	TERRAPLEN	7.297	75.59	608.5	VEGETAL	2.184	22.05	480.5
270.000	FIRME	1.639	16.39	442.5	S ADECUADO	1.917	19.17	517.1
	TERRAPLEN	6.998	71.47	679.9	VEGETAL	2.160	21.72	502.2
280.000	FIRME	1.639	16.39	458.9	S ADECUADO	1.917	19.17	536.2
	TERRAPLEN	6.379	66.88	746.8	VEGETAL	2.110	21.35	523.5
290.000	FIRME	1.639	16.39	475.3	S ADECUADO	1.917	19.17	555.4
	TERRAPLEN	2.687	45.33	792.2	VEGETAL	1.786	19.48	543.0
300.000	FIRME	1.639	16.39	491.7	S ADECUADO	1.914	19.16	574.6
	TERRAPLEN	1.756	22.21	814.4	VEGETAL	1.695	17.40	560.4
302.971	FIRME	1.639	4.87	496.6	S ADECUADO	1.909	5.68	580.2
	TERRAPLEN	1.529	4.88	819.2	VEGETAL	1.671	5.00	565.4
310.000	FIRME	1.639	11.52	508.1	S ADECUADO	1.889	13.35	593.6
	TERRAPLEN	1.015	8.94	828.2	VEGETAL	1.617	11.56	577.0
320.000	FIRME	1.639	16.39	524.5	S ADECUADO	1.882	18.86	612.4
	TERRAPLEN	0.896	9.55	837.7	VEGETAL	1.604	16.10	593.1

440.000	TERRAPLEN	2.717	25.42	1025.1	VEGETAL	1.789	17.72	778.7
	FIRME	1.639	16.39	721.2	S ADECUADO	1.917	19.17	841.3
	TERRAPLEN	2.667	26.92	1052.0	VEGETAL	1.784	17.86	796.6
450.000	FIRME	1.639	16.39	737.6	S ADECUADO	1.917	19.17	860.5
	TERRAPLEN	2.702	26.84	1078.8	VEGETAL	1.787	17.85	814.4
452.901	FIRME	1.639	4.76	742.3	S ADECUADO	1.918	5.56	866.0
	TERRAPLEN	2.713	7.85	1086.7	VEGETAL	1.788	5.18	819.6
460.000	FIRME	1.639	11.64	754.0	S ADECUADO	1.917	13.61	879.6
	TERRAPLEN	2.976	20.19	1106.9	VEGETAL	1.813	12.78	832.4
470.000	FIRME	1.639	16.39	770.3	S ADECUADO	1.918	19.17	898.8
	TERRAPLEN	3.378	31.77	1138.6	VEGETAL	1.850	18.31	850.7
480.000	FIRME	1.639	16.39	786.7	S ADECUADO	1.917	19.18	918.0
	TERRAPLEN	3.619	34.99	1173.6	VEGETAL	1.872	18.61	869.3
490.000	FIRME	1.639	16.39	803.1	S ADECUADO	1.918	19.18	937.2
	TERRAPLEN	3.712	36.66	1210.3	VEGETAL	1.881	18.76	888.1
500.000	FIRME	1.639	16.39	819.5	S ADECUADO	1.917	19.17	956.3
	TERRAPLEN	3.189	34.51	1244.8	VEGETAL	1.838	18.59	906.7

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 4
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
510.000	FIRME	1.639	16.39	835.9	S ADECUADO	1.918	19.17	975.5
520.000	TERRAPLEN	2.789	29.89	1274.7	VEGETAL	1.795	18.17	924.9
	FIRME	1.639	16.39	852.3	S ADECUADO	1.917	19.17	994.7
530.000	TERRAPLEN	3.478	31.33	1306.0	VEGETAL	1.859	18.27	943.1
	FIRME	1.639	16.39	868.7	S ADECUADO	1.918	19.17	1013.9
540.000	TERRAPLEN	3.520	34.99	1341.0	VEGETAL	1.863	18.61	961.7
	FIRME	1.639	16.39	885.1	S ADECUADO	1.917	19.17	1033.0
550.000	TERRAPLEN	3.505	35.12	1376.1	VEGETAL	1.862	18.62	980.4
	FIRME	1.639	16.39	901.5	S ADECUADO	1.918	19.18	1052.2
560.000	TERRAPLEN	3.471	34.88	1411.0	VEGETAL	1.859	18.60	999.0
	FIRME	1.639	16.39	917.9	S ADECUADO	1.918	19.18	1071.4
570.000	TERRAPLEN	3.435	34.53	1445.5	VEGETAL	1.855	18.57	1017.5
	FIRME	1.639	16.39	934.3	S ADECUADO	1.918	19.18	1090.6
580.000	TERRAPLEN	3.381	34.08	1479.6	VEGETAL	1.850	18.53	1036.1
	FIRME	1.639	16.39	950.7	S ADECUADO	1.918	19.18	1109.7
590.000	TERRAPLEN	3.190	32.86	1512.5	VEGETAL	1.833	18.42	1054.5
	FIRME	1.639	16.39	967.0	S ADECUADO	1.918	19.18	1128.9
600.000	TERRAPLEN	3.085	31.38	1543.9	VEGETAL	1.823	18.28	1072.7
	FIRME	1.639	16.39	983.4	S ADECUADO	1.917	19.17	1148.1
610.000	TERRAPLEN	3.102	30.94	1574.8	VEGETAL	1.825	18.24	1091.0
	FIRME	1.639	16.39	999.8	S ADECUADO	1.918	19.17	1167.3
620.000	TERRAPLEN	2.664	28.83	1603.6	VEGETAL	1.769	17.97	1109.0
	FIRME	1.639	16.39	1016.2	S ADECUADO	1.907	19.12	1186.4
630.000	TERRAPLEN	2.113	23.88	1627.5	VEGETAL	1.707	17.38	1126.3
	FIRME	1.639	16.39	1032.6	S ADECUADO	1.881	18.94	1205.3
640.000	TERRAPLEN	1.503	18.08	1645.6	VEGETAL	1.644	16.76	1143.1
	FIRME	1.639	16.39	1049.0	S ADECUADO	1.865	18.73	1224.1
650.000	TERRAPLEN	1.124	13.13	1658.7	VEGETAL	1.607	16.26	1159.3
	FIRME	1.639	16.39	1065.4	D TIERRA	0.012	0.06	78.9
660.000	S ADECUADO	1.846	18.55	1242.6	TERRAPLEN	0.831	9.77	1668.5
	VEGETAL	1.574	15.90	1175.2				
670.000	FIRME	1.639	16.39	1081.8	D TIERRA	0.000	0.06	79.0
	S ADECUADO	1.864	18.55	1261.2	TERRAPLEN	0.937	8.84	1677.3
680.000	VEGETAL	1.592	15.83	1191.1				
	FIRME	1.639	16.39	1098.2	S ADECUADO	1.888	18.76	1279.9
690.000	TERRAPLEN	1.129	10.33	1687.7	VEGETAL	1.620	16.06	1207.1
	FIRME	1.639	16.39	1114.6	S ADECUADO	1.900	18.94	1298.9
700.000	TERRAPLEN	1.490	13.10	1700.8	VEGETAL	1.650	16.35	1223.5

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 5
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
690.000	FIRME	1.639	16.39	1130.9	S ADECUADO	1.909	19.05	1317.9
700.000	TERRAPLEN	1.874	16.82	1717.6	VEGETAL	1.682	16.66	1240.2
	FIRME	1.639	16.39	1147.3	S ADECUADO	1.911	19.10	1337.0
710.000	TERRAPLEN	1.845	18.59	1736.2	VEGETAL	1.683	16.83	1257.0
	FIRME	1.639	16.39	1163.7	S ADECUADO	1.913	19.12	1356.1
720.000	TERRAPLEN	1.818	18.31	1754.5	VEGETAL	1.687	16.85	1273.8
	FIRME	1.639	16.39	1180.1	S ADECUADO	1.914	19.13	1375.3
730.000	TERRAPLEN	1.729	17.74	1772.2	VEGETAL	1.683	16.85	1290.7
	FIRME	1.639	16.39	1196.5	S ADECUADO	1.915	19.14	1394.4
740.000	TERRAPLEN	1.713	17.21	1789.4	VEGETAL	1.685	16.84	1307.5
	FIRME	1.639	16.39	1212.9	S ADECUADO	1.915	19.15	1413.6
750.000	TERRAPLEN	1.766	17.40	1806.8	VEGETAL	1.694	16.90	1324.4
	FIRME	1.639	16.39	1229.3	S ADECUADO	1.904	19.10	1432.6
760.000	TERRAPLEN	1.288	15.27	1822.1	VEGETAL	1.646	16.70	1341.1
	FIRME	1.639	16.39	1245.7	S ADECUADO	1.868	18.86	1451.5
770.000	TERRAPLEN	0.678	9.83	1831.9	VEGETAL	1.579	16.13	1357.2
	FIRME	1.639	16.39	1262.1	S ADECUADO	1.851	18.59	1470.1
780.000	TERRAPLEN	0.492	5.85	1837.8	VEGETAL	1.557	15.68	1372.9
	FIRME	1.639	16.39	1278.5	S ADECUADO	1.833	18.42	1488.5
790.000	TERRAPLEN	0.318	4.05	1841.8	VEGETAL	1.537	15.47	1388.4
	FIRME	1.639	16.39	1294.9	D TIERRA	0.013	0.06	79.0
800.000	S ADECUADO	1.809	18.21	1506.7	TERRAPLEN	0.132	2.25	1844.1
	VEGETAL	1.512	15.24	1403.6				

800.000	FIRME	1.639	16.39	1311.2	D TIERRA	0.052	0.33	79.4
810.000	S ADECUADO	1.791	18.00	1524.7	TERRAPLEN	0.041	0.87	1844.9
	VEGETAL	1.496	15.04	1418.7				
820.000	FIRME	1.639	16.39	1327.6	D TIERRA	0.000	0.26	79.6
	S ADECUADO	1.820	18.05	1542.8	TERRAPLEN	0.199	1.20	1846.1
830.000	VEGETAL	1.522	15.09	1433.8				
	FIRME	1.639	16.39	1344.0	S ADECUADO	1.870	18.45	1561.2
840.000	TERRAPLEN	0.692	4.45	1850.6	VEGETAL	1.581	15.51	1449.3
	FIRME	1.639	16.39	1360.4	S ADECUADO	1.876	18.73	1580.0
850.000	TERRAPLEN	0.973	8.32	1858.9	VEGETAL	1.602	15.91	1465.2
	FIRME	1.639	16.39	1376.8	S ADECUADO	1.882	18.79	1598.8
860.000	TERRAPLEN	0.968	9.71	1868.6	VEGETAL	1.612	16.07	1481.3
	FIRME	1.639	16.39	1393.2	S ADECUADO	1.908	18.95	1617.7
870.000	TERRAPLEN	1.604	12.86	1881.5	VEGETAL	1.679	16.45	1497.7

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 6
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** MEDICIONES DE LOS PERFILES TRANSVERSALES*****								
***** cubicacion segun distancias compensadas *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
860.000	FIRME	1.639	16.39	1409.6	S ADECUADO	1.916	19.12	1636.8
	TERRAPLEN	2.179	18.92	1900.4	VEGETAL	1.737	17.08	1514.8
870.000	FIRME	1.639	16.39	1426.0	S ADECUADO	1.918	19.17	1656.0
	TERRAPLEN	2.782	24.81	1925.2	VEGETAL	1.795	17.66	1532.5
880.000	FIRME	1.639	16.39	1442.4	S ADECUADO	1.917	19.17	1675.2
	TERRAPLEN	2.531	26.56	1951.8	VEGETAL	1.771	17.83	1550.3
890.000	FIRME	1.639	16.39	1458.8	S ADECUADO	1.917	19.17	1694.4
	TERRAPLEN	3.381	29.56	1981.3	VEGETAL	1.850	18.10	1568.4
900.000	FIRME	1.639	16.39	1475.2	S ADECUADO	1.918	19.18	1713.5
	TERRAPLEN	5.836	46.08	2027.4	VEGETAL	2.066	19.58	1588.0
910.000	FIRME	1.639	16.39	1491.5	S ADECUADO	1.917	19.17	1732.7
	TERRAPLEN	7.842	68.39	2095.8	VEGETAL	2.212	21.39	1609.4
920.000	FIRME	1.639	16.39	1507.9	S ADECUADO	1.917	19.17	1751.9
	TERRAPLEN	9.336	85.89	2181.7	VEGETAL	2.339	22.76	1632.1
928.240	FIRME	1.639	13.51	1521.4	S ADECUADO	1.917	15.80	1767.7
	TERRAPLEN	9.944	79.44	2261.1	VEGETAL	2.384	19.46	1651.6
930.000	FIRME	1.639	2.88	1524.3	S ADECUADO	1.918	3.37	1771.0
	TERRAPLEN	10.073	17.61	2278.7	VEGETAL	2.394	4.20	1655.8
940.000	FIRME	1.639	16.39	1540.7	S ADECUADO	1.917	19.17	1790.2
	TERRAPLEN	10.959	105.16	2383.9	VEGETAL	2.455	24.24	1680.0
950.000	FIRME	1.639	16.39	1557.1	S ADECUADO	1.917	19.17	1809.4
	TERRAPLEN	11.972	114.66	2498.6	VEGETAL	2.525	24.90	1704.9
960.000	FIRME	1.639	16.39	1573.5	S ADECUADO	1.917	19.17	1828.6
	TERRAPLEN	13.003	124.88	2623.4	VEGETAL	2.594	25.60	1730.5
970.000	FIRME	1.639	16.39	1589.9	S ADECUADO	1.917	19.17	1847.7
	TERRAPLEN	13.786	133.95	2757.4	VEGETAL	2.648	26.21	1756.7
980.000	FIRME	1.639	16.39	1606.3	S ADECUADO	1.918	19.17	1866.9
	TERRAPLEN	14.566	141.76	2899.1	VEGETAL	2.699	26.74	1783.5
990.000	FIRME	1.639	16.39	1622.7	S ADECUADO	1.917	19.18	1886.1
	TERRAPLEN	15.339	149.53	3048.7	VEGETAL	2.750	27.25	1810.7
1000.000	FIRME	1.639	16.39	1639.1	S ADECUADO	1.918	19.18	1905.3
	TERRAPLEN	16.119	157.29	3206.0	VEGETAL	2.801	27.75	1838.5
1010.000	FIRME	1.639	16.39	1655.5	S ADECUADO	1.917	19.17	1924.4
	TERRAPLEN	17.208	166.63	3372.6	VEGETAL	2.868	28.34	1866.8
1020.000	FIRME	1.639	16.39	1671.8	S ADECUADO	1.918	19.17	1943.6
	TERRAPLEN	17.910	175.57	3548.2	VEGETAL	2.887	28.77	1895.6
1030.000	FIRME	1.639	16.39	1688.2	S ADECUADO	1.918	19.18	1962.8
	TERRAPLEN	17.589	177.46	3725.6	VEGETAL	2.897	28.91	1924.5

1160.000	FIRME	1.639	16.39	1901.3	D TIERRA	0.000	0.02	79.7
	S ADECUADO	1.848	18.30	2208.4	TERRAPLEN	0.448	3.01	4421.8
	VEGETAL	1.552	15.34	2180.4				
1170.000	FIRME	1.639	16.39	1917.7	S ADECUADO	1.878	18.63	2227.0
	TERRAPLEN	0.811	6.29	4428.1	VEGETAL	1.594	15.73	2196.1
1180.000	FIRME	1.639	16.39	1934.1	S ADECUADO	1.890	18.84	2245.8
	TERRAPLEN	0.984	8.97	4437.1	VEGETAL	1.613	16.04	2212.2
1190.000	FIRME	1.639	16.39	1950.5	S ADECUADO	1.912	19.01	2264.8
	TERRAPLEN	1.517	12.51	4449.6	VEGETAL	1.670	16.42	2228.6
1200.000	FIRME	1.639	16.39	1966.9	S ADECUADO	1.916	19.14	2284.0
	TERRAPLEN	1.807	16.62	4466.2	VEGETAL	1.700	16.85	2245.4

Istram 18.05.05.29 17/01/19 18:07:44 1880
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1210.000	FIRME	1.639	16.39	1983.3	S ADECUADO	1.917	19.17	2303.1	
	TERRAPLEN	2.121	19.64	4485.9	VEGETAL	1.731	17.15	2262.6	
1220.000	FIRME	1.639	16.39	1999.6	S ADECUADO	1.917	19.17	2322.3	
	TERRAPLEN	2.317	22.19	4508.1	VEGETAL	1.750	17.40	2280.0	
1230.000	FIRME	1.639	16.39	2016.0	S ADECUADO	1.918	19.17	2341.5	
	TERRAPLEN	2.624	24.70	4532.8	VEGETAL	1.776	17.63	2297.6	
1235.711	FIRME	1.639	9.36	2025.4	S ADECUADO	1.917	10.95	2352.4	
	TERRAPLEN	2.862	15.66	4548.4	VEGETAL	1.797	10.20	2307.8	
1240.000	FIRME	1.639	7.03	2032.4	S ADECUADO	1.917	8.22	2360.7	
	TERRAPLEN	3.038	12.65	4561.1	VEGETAL	1.812	7.74	2315.6	
1250.000	FIRME	1.639	16.39	2048.8	S ADECUADO	1.917	19.17	2379.8	
	TERRAPLEN	3.392	32.15	4593.2	VEGETAL	1.843	18.28	2333.8	
1260.000	FIRME	1.639	16.39	2065.2	S ADECUADO	1.917	19.17	2399.0	
	TERRAPLEN	3.737	35.64	4628.9	VEGETAL	1.875	18.59	2352.4	
1270.000	FIRME	1.639	16.39	2081.6	S ADECUADO	1.917	19.17	2418.2	
	TERRAPLEN	4.094	39.16	4668.0	VEGETAL	1.912	18.93	2371.4	
1280.000	FIRME	1.639	16.39	2098.0	S ADECUADO	1.918	19.17	2437.3	
	TERRAPLEN	4.568	43.31	4711.3	VEGETAL	1.955	19.33	2390.7	
1290.000	FIRME	1.639	16.39	2114.4	S ADECUADO	1.917	19.18	2456.5	
	TERRAPLEN	4.937	47.52	4758.9	VEGETAL	1.986	19.70	2410.4	
1300.000	FIRME	1.639	16.39	2130.8	S ADECUADO	1.918	19.17	2475.7	
	TERRAPLEN	5.134	50.35	4809.2	VEGETAL	2.003	19.94	2430.3	
1310.000	FIRME	1.639	16.39	2147.2	S ADECUADO	1.917	19.17	2494.9	
	TERRAPLEN	5.028	50.81	4860.0	VEGETAL	1.993	19.98	2450.3	
1320.000	FIRME	1.639	16.39	2163.6	S ADECUADO	1.917	19.17	2514.0	
	TERRAPLEN	5.154	50.91	4910.9	VEGETAL	2.004	19.98	2470.3	
1330.000	FIRME	1.639	16.39	2179.9	S ADECUADO	1.918	19.17	2533.2	
	TERRAPLEN	5.472	53.13	4964.1	VEGETAL	2.031	20.17	2490.5	
1340.000	FIRME	1.639	16.39	2196.3	S ADECUADO	1.918	19.18	2552.4	
	TERRAPLEN	4.974	52.23	5016.3	VEGETAL	1.992	20.12	2510.6	
1350.000	FIRME	1.639	16.39	2212.7	S ADECUADO	1.917	19.17	2571.6	
	TERRAPLEN	3.561	42.67	5059.0	VEGETAL	1.867	19.29	2529.9	
1360.000	FIRME	1.639	16.39	2229.1	S ADECUADO	1.918	19.17	2590.7	
	TERRAPLEN	3.875	37.18	5096.2	VEGETAL	1.895	18.81	2548.7	
1370.000	FIRME	1.639	16.39	2245.5	S ADECUADO	1.918	19.18	2609.9	
	TERRAPLEN	3.936	39.06	5135.2	VEGETAL	1.901	18.98	2567.7	
1380.000	FIRME	1.639	16.39	2261.9	S ADECUADO	1.918	19.18	2629.1	
	TERRAPLEN	3.876	39.06	5174.3	VEGETAL	1.896	18.98	2586.7	

Istram 18.05.05.29 17/01/19 18:07:44 1880
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1390.000	FIRME	1.639	16.39	2278.3	S ADECUADO	1.918	19.18	2648.3	
	TERRAPLEN	3.911	38.93	5213.2	VEGETAL	1.899	18.97	2605.6	
1400.000	FIRME	1.639	16.39	2294.7	S ADECUADO	1.918	19.18	2667.4	
	TERRAPLEN	3.743	38.27	5251.5	VEGETAL	1.883	18.91	2624.5	
1410.000	FIRME	1.639	16.39	2311.1	S ADECUADO	1.917	19.17	2686.6	
	TERRAPLEN	3.375	35.59	5287.1	VEGETAL	1.850	18.66	2643.2	
1420.000	FIRME	1.639	16.39	2327.5	S ADECUADO	1.918	19.17	2705.8	
	TERRAPLEN	2.897	31.36	5318.4	VEGETAL	1.805	18.27	2661.5	
1430.000	FIRME	1.639	16.39	2343.9	S ADECUADO	1.918	19.18	2725.0	
	TERRAPLEN	2.370	26.33	5344.8	VEGETAL	1.755	17.80	2679.3	
1440.000	FIRME	1.639	16.39	2360.3	S ADECUADO	1.917	19.18	2744.1	
	TERRAPLEN	2.079	22.24	5367.0	VEGETAL	1.727	17.41	2696.7	
1450.000	FIRME	1.639	16.39	2376.6	S ADECUADO	1.917	19.17	2763.3	
	TERRAPLEN	1.931	20.05	5387.1	VEGETAL	1.712	17.19	2713.9	
1460.000	FIRME	1.639	16.39	2393.0	S ADECUADO	1.901	19.09	2782.4	
	TERRAPLEN	1.189	15.60	5402.7	VEGETAL	1.636	16.74	2730.6	
1470.000	FIRME	1.639	16.39	2409.4	S ADECUADO	1.834	18.67	2801.1	
	TERRAPLEN	0.318	7.53	5410.2	VEGETAL	1.537	15.86	2746.5	
1480.000	FIRME	1.639	16.39	2425.8	S ADECUADO	1.912	18.73	2819.8	
	TERRAPLEN	1.515	9.17	5419.4	VEGETAL	1.670	16.03	2762.5	
1490.000	FIRME	1.639	16.39	2442.2	S ADECUADO	1.913	19.12	2838.9	
	TERRAPLEN	1.604	15.60	5435.0	VEGETAL	1.679	16.75	2779.3	
1500.000	FIRME	1.639	16.39	2458.6	S ADECUADO	1.913	19.13	2858.1	
	TERRAPLEN	1.653	16.29	5451.2	VEGETAL	1.689	16.84	2796.1	
1510.000	FIRME	1.639	16.39	2475.0	S ADECUADO	1.907	19.10	2877.2	
	TERRAPLEN	1.540	15.97	5467.2	VEGETAL	1.678	16.83	2812.9	
1512.823	FIRME	1.639	4.63	2479.6	S ADECUADO	1.904	5.38	2882.5	
	TERRAPLEN	1.400	4.15	5471.4	VEGETAL	1.666	4.72	2817.7	
1520.000	FIRME	1.639	11.76	2491.4	S ADECUADO	1.896	13.63	2896.2	

1530.000	TERRAPLEN	1.537	10.54	5481.9	VEGETAL	1.680	12.01	2829.7
	FIRME	1.639	16.39	2507.8	S ADECUADO	1.887	18.91	2915.1
	TERRAPLEN	1.576	15.57	5497.5	VEGETAL	1.677	16.79	2846.5
1540.000	FIRME	1.639	16.39	2524.2	D TIERRA	0.010	0.05	79.7
	S ADECUADO	1.859	18.73	2933.8	TERRAPLEN	1.015	12.96	5510.4
1550.000	VEGETAL	1.627	16.52	2863.0				
	FIRME	1.639	16.39	2540.5	D TIERRA	0.000	0.05	79.8
	S ADECUADO	1.907	18.83	2952.6	TERRAPLEN	1.723	13.69	5524.1
	VEGETAL	1.691	16.59	2879.6				

Istram 18.05.05.29 17/01/19 18:07:44 1880
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

pagina 10

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
1560.000	FIRME	1.639		16.39	2556.9	S ADECUADO	1.917	19.12	2971.8
	TERRAPLEN	4.863		32.93	5557.1	VEGETAL	1.984	18.38	2898.0
1570.000	FIRME	1.639		16.39	2573.3	S ADECUADO	1.918	19.17	2990.9
	TERRAPLEN	6.468		56.66	5613.7	VEGETAL	2.145	20.65	2918.6
1580.000	FIRME	1.639		16.39	2589.7	S ADECUADO	1.917	19.17	3010.1
	TERRAPLEN	8.190		73.29	5687.0	VEGETAL	2.254	22.00	2940.6
1590.000	FIRME	1.639		16.39	2606.1	S ADECUADO	1.918	19.17	3029.3
	TERRAPLEN	6.623		74.07	5761.1	VEGETAL	2.129	21.92	2962.5
1600.000	FIRME	1.639		16.39	2622.5	S ADECUADO	1.918	19.18	3048.5
	TERRAPLEN	7.065		68.44	5829.5	VEGETAL	2.165	21.47	2984.0
1610.000	FIRME	1.639		16.39	2638.9	S ADECUADO	1.918	19.18	3067.6
	TERRAPLEN	7.489		72.77	5902.3	VEGETAL	2.198	21.82	3005.8
1620.000	FIRME	1.639		16.39	2655.3	S ADECUADO	1.918	19.18	3086.8
	TERRAPLEN	7.375		74.32	5976.6	VEGETAL	2.190	21.94	3027.7
1630.000	FIRME	1.639		16.39	2671.7	S ADECUADO	1.917	19.17	3106.0
	TERRAPLEN	6.749		70.62	6047.2	VEGETAL	2.142	21.66	3049.4
1640.000	FIRME	1.639		16.39	2688.1	S ADECUADO	1.917	19.17	3125.2
	TERRAPLEN	2.461		46.05	6093.3	VEGETAL	1.764	19.53	3068.9
1650.000	FIRME	1.639		16.39	2704.4	S ADECUADO	1.908	19.13	3144.3
	TERRAPLEN	1.396		19.28	6112.6	VEGETAL	1.658	17.11	3086.0
1660.000	FIRME	1.639		16.39	2720.8	S ADECUADO	1.914	19.11	3163.4
	TERRAPLEN	2.051		17.23	6129.8	VEGETAL	1.696	16.77	3102.8
1670.000	FIRME	1.639		16.39	2737.2	S ADECUADO	1.901	19.08	3182.5
	TERRAPLEN	1.201		16.26	6146.1	VEGETAL	1.637	16.67	3119.5
1680.000	FIRME	1.639		16.39	2753.6	S ADECUADO	1.890	18.96	3201.4
	TERRAPLEN	0.994		10.97	6157.0	VEGETAL	1.614	16.26	3135.7
1690.000	FIRME	1.639		16.39	2770.0	S ADECUADO	1.860	18.75	3220.2
	TERRAPLEN	0.584		7.89	6164.9	VEGETAL	1.568	15.91	3151.6
1700.000	FIRME	1.639		16.39	2786.4	S ADECUADO	1.894	18.77	3238.9
	TERRAPLEN	1.051		8.17	6173.1	VEGETAL	1.621	15.94	3167.6
1710.000	FIRME	1.639		16.39	2802.8	S ADECUADO	1.911	19.03	3258.0
	TERRAPLEN	1.477		12.64	6185.7	VEGETAL	1.666	16.43	3184.0
1720.000	FIRME	1.639		16.39	2819.2	S ADECUADO	1.918	19.15	3277.1
	TERRAPLEN	2.190		18.34	6204.1	VEGETAL	1.738	17.02	3201.0
1730.000	FIRME	1.639		16.39	2835.6	S ADECUADO	1.917	19.17	3296.3
	TERRAPLEN	4.595		33.93	6238.0	VEGETAL	1.959	18.48	3219.5
1740.000	FIRME	1.639		16.39	2852.0	S ADECUADO	1.917	19.17	3315.5
	TERRAPLEN	5.614		51.05	6289.0	VEGETAL	2.046	20.03	3239.5

1880.000	TERRAPLEN	5.967	31.86	7039.8	VEGETAL	2.080	11.03	3514.0
	FIRME	1.639	7.70	3081.4	S ADECUADO	1.917	9.01	3583.9
1890.000	TERRAPLEN	5.637	27.80	7067.6	VEGETAL	2.053	9.83	3523.8
	FIRME	1.639	16.39	3097.8	D TIERRA	0.909	3.98	83.8
	S ADECUADO	1.938	19.26	3603.2	TERRAPLEN	3.309	46.37	7114.0
	VEGETAL	2.223	21.45	3545.3				

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 12

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1900.000	FIRME	1.639	16.39	3114.2	D TIERRA	0.000	3.98	87.7
	S ADECUADO	1.892	19.15	3622.3	TERRAPLEN	3.900	37.87	7151.9
	VEGETAL	1.840	20.47	3565.8				
1910.000	FIRME	1.639	16.39	3130.6	S ADECUADO	1.917	19.06	3641.4
	TERRAPLEN	4.557	43.68	7195.6	VEGETAL	1.964	19.36	3585.1
1911.259	FIRME	1.639	2.06	3132.7	S ADECUADO	1.918	2.41	3643.8
	TERRAPLEN	4.445	5.83	7201.4	VEGETAL	1.954	2.50	3587.6
1920.000	FIRME	1.639	14.33	3147.0	S ADECUADO	1.917	16.76	3660.6
	TERRAPLEN	3.938	36.64	7238.0	VEGETAL	1.910	16.89	3604.5
1930.000	FIRME	1.639	16.39	3163.4	S ADECUADO	1.911	19.14	3679.7
	TERRAPLEN	3.381	36.60	7274.6	VEGETAL	1.853	18.82	3623.3
1940.000	FIRME	1.639	16.39	3179.8	S ADECUADO	1.872	18.91	3698.6
	TERRAPLEN	2.824	31.02	7305.6	VEGETAL	1.776	18.15	3641.5
1950.000	FIRME	1.639	16.39	3196.2	D TIERRA	0.001	0.01	87.8
	S ADECUADO	1.852	18.62	3717.2	TERRAPLEN	2.720	27.72	7333.4
	VEGETAL	1.790	17.83	3659.3				
1960.000	FIRME	1.639	16.39	3212.6	S ADECUADO	1.917	18.85	3736.1
	TERRAPLEN	8.039	53.80	7387.2	VEGETAL	2.130	19.60	3678.9
1970.000	FIRME	1.639	16.39	3229.0	S ADECUADO	1.918	19.17	3755.3
	TERRAPLEN	9.323	86.81	7474.0	VEGETAL	2.321	22.26	3701.2
1980.000	FIRME	1.639	16.39	3245.3	S ADECUADO	1.918	19.18	3774.4
	TERRAPLEN	7.959	86.41	7560.4	VEGETAL	2.188	22.54	3723.7
1990.000	FIRME	1.639	16.39	3261.7	S ADECUADO	1.918	19.18	3793.6
	TERRAPLEN	5.552	67.56	7627.9	VEGETAL	2.016	21.02	3744.7
2000.000	FIRME	1.639	16.39	3278.1	S ADECUADO	1.917	19.17	3812.8
	TERRAPLEN	5.334	54.43	7682.4	VEGETAL	2.023	20.19	3764.9
2002.998	FIRME	1.639	4.91	3283.0	S ADECUADO	1.918	5.75	3818.5
	TERRAPLEN	5.149	15.71	7698.1	VEGETAL	2.007	6.04	3770.9
2010.000	FIRME	1.639	11.48	3294.5	S ADECUADO	1.917	13.43	3832.0
	TERRAPLEN	4.722	34.56	7732.6	VEGETAL	1.970	13.92	3784.9
2020.000	FIRME	1.639	16.39	3310.9	S ADECUADO	1.917	19.17	3851.1
	TERRAPLEN	4.126	44.24	7776.9	VEGETAL	1.918	19.44	3804.3
2027.518	FIRME	1.639	12.32	3323.2	S ADECUADO	1.917	14.41	3865.5
	TERRAPLEN	3.968	30.42	7807.3	VEGETAL	1.904	14.36	3818.7
2030.000	FIRME	1.639	4.07	3327.3	S ADECUADO	1.917	4.76	3870.3
	TERRAPLEN	4.222	10.16	7817.5	VEGETAL	1.926	4.75	3823.4
2040.000	FIRME	2.666	21.53	3348.8	S ADECUADO	2.945	24.31	3894.6
	TERRAPLEN	9.947	70.84	7888.3	VEGETAL	3.002	24.64	3848.1

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 13

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2044.839	FIRME	7.519	24.64	3373.5	S ADECUADO	7.798	25.99	3920.6
	TERRAPLEN	23.951	82.01	7970.3	VEGETAL	6.986	24.17	3872.2

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 14

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	3373.5
D TIERRA	87.8
S ADECUADO	3920.6
TERRAPLEN	7970.3
VEGETAL	3872.2

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 1

PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	1.639	0.00	0.0	D TIERRA	2.862	0.00	0.0
	S ADECUADO	1.958	0.00	0.0	TERRAPLEN	0.054	0.00	0.0
	VEGETAL	2.104	0.00	0.0				
10.000	FIRME	1.639	16.39	16.4	D TIERRA	2.258	25.60	25.6
	S ADECUADO	1.958	19.58	19.6	TERRAPLEN	0.056	0.55	0.6
	VEGETAL	2.089	20.96	21.0				
20.000	FIRME	1.639	16.39	32.8	D TIERRA	2.222	22.40	48.0
	S ADECUADO	1.958	19.58	39.2	TERRAPLEN	0.059	0.57	1.1

27.981	VEGETAL	2.068	20.78	41.7				
	FIRME	1.639	13.08	45.9	D TIERRA	2.032	16.98	65.0
30.000	S ADECUADO	1.958	15.62	54.8	TERRAPLEN	0.065	0.49	1.6
	VEGETAL	2.047	16.42	58.2				
	FIRME	1.639	3.31	49.2	D TIERRA	1.944	4.04	69.0
40.000	S ADECUADO	1.958	3.95	58.7	TERRAPLEN	0.070	0.14	1.8
	VEGETAL	2.043	4.14	62.3				
50.000	FIRME	1.639	16.39	65.6	D TIERRA	1.439	17.11	86.1
	S ADECUADO	1.910	19.36	78.1	TERRAPLEN	0.045	0.58	2.3
	VEGETAL	1.852	19.58	81.9				
60.000	FIRME	1.639	16.39	82.0	D TIERRA	0.582	10.35	96.5
	S ADECUADO	1.934	19.24	97.3	TERRAPLEN	0.481	2.58	4.9
	VEGETAL	1.882	18.82	100.7				
70.000	FIRME	1.639	16.39	98.3	D TIERRA	0.000	3.02	99.5
	S ADECUADO	1.909	19.22	116.5	TERRAPLEN	2.045	12.49	17.4
	VEGETAL	1.717	18.04	118.7				
80.000	FIRME	1.639	16.39	114.7	S ADECUADO	1.918	19.13	135.7
	TERRAPLEN	2.887	24.51	41.9	VEGETAL	1.805	17.57	136.3
83.095	FIRME	1.639	16.39	131.1	D TIERRA	0.057	0.30	99.8
	S ADECUADO	1.937	19.28	155.0	TERRAPLEN	0.904	18.81	60.7
	VEGETAL	1.861	18.36	154.7				
90.000	FIRME	1.639	5.07	136.2	D TIERRA	0.013	0.11	99.9
	S ADECUADO	1.850	5.86	160.8	TERRAPLEN	0.934	2.79	63.5
	VEGETAL	1.607	5.37	160.0				
100.000	FIRME	1.639	11.32	147.5	D TIERRA	0.000	0.04	100.0
	S ADECUADO	1.886	12.90	173.7	TERRAPLEN	1.815	9.50	73.0
	VEGETAL	1.703	11.43	171.5				
	FIRME	1.639	16.39	163.9	S ADECUADO	1.915	19.01	192.7
	TERRAPLEN	2.967	23.92	96.9	VEGETAL	1.785	17.44	188.9

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 2

PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
110.000	FIRME	1.639	16.39	180.3	S ADECUADO	1.918	19.17	211.9
	TERRAPLEN	2.851	29.10	126.0	VEGETAL	1.801	17.93	206.8
120.000	FIRME	1.639	16.39	196.7	S ADECUADO	1.917	19.18	231.1
	TERRAPLEN	2.606	27.29	153.3	VEGETAL	1.780	17.90	224.7
130.000	FIRME	1.639	16.39	213.1	S ADECUADO	1.917	19.17	250.2
	TERRAPLEN	2.672	26.40	179.7	VEGETAL	1.784	17.82	242.6
140.000	FIRME	1.639	16.39	229.5	S ADECUADO	1.918	19.17	269.4
	TERRAPLEN	2.880	27.77	207.5	VEGETAL	1.805	17.94	260.5
150.000	FIRME	1.639	16.39	245.9	S ADECUADO	1.918	19.18	288.6
	TERRAPLEN	2.857	28.69	236.2	VEGETAL	1.803	18.04	278.5
160.000	FIRME	1.639	16.39	262.3	S ADECUADO	1.918	19.18	307.8
	TERRAPLEN	2.873	28.66	264.8	VEGETAL	1.805	18.04	296.6
170.000	FIRME	1.639	16.39	278.7	S ADECUADO	1.918	19.18	326.9
	TERRAPLEN	3.267	30.71	295.5	VEGETAL	1.843	18.24	314.8
180.000	FIRME	1.639	16.39	295.0	S ADECUADO	1.917	19.17	346.1
	TERRAPLEN	3.528	33.98	329.5	VEGETAL	1.856	18.49	333.3
190.000	FIRME	1.639	16.39	311.4	S ADECUADO	1.917	19.17	365.3
	TERRAPLEN	3.624	35.77	365.3	VEGETAL	1.856	18.56	351.9
200.000	FIRME	1.639	16.39	327.8	S ADECUADO	1.869	18.93	384.2
	TERRAPLEN	0.655	21.40	386.7	VEGETAL	1.579	17.18	369.1
210.000	FIRME	1.639	16.39	344.2	S ADECUADO	1.918	18.93	403.1
	TERRAPLEN	3.394	20.25	406.9	VEGETAL	1.846	17.13	386.2
220.000	FIRME	1.639	16.39	360.6	S ADECUADO	1.918	19.18	422.3
	TERRAPLEN	3.410	34.02	441.0	VEGETAL	1.845	18.46	404.6
230.000	FIRME	1.639	16.39	377.0	S ADECUADO	1.917	19.17	441.5
	TERRAPLEN	3.035	32.23	473.2	VEGETAL	1.817	18.31	423.0
240.000	FIRME	1.639	16.39	393.4	S ADECUADO	1.917	19.17	460.7
	TERRAPLEN	3.028	30.32	503.5	VEGETAL	1.817	18.17	441.1
250.000	FIRME	1.639	16.39	409.8	S ADECUADO	1.917	19.17	479.8
	TERRAPLEN	2.747	28.88	532.4	VEGETAL	1.791	18.04	459.2
260.000	FIRME	1.639	16.39	426.2	S ADECUADO	1.918	19.18	499.0
	TERRAPLEN	2.996	28.72	561.1	VEGETAL	1.815	18.03	477.2
270.000	FIRME	1.639	16.39	442.6	S ADECUADO	1.918	19.18	518.2
	TERRAPLEN	3.633	33.15	594.2	VEGETAL	1.873	18.44	495.6
280.000	FIRME	1.639	16.39	459.0	S ADECUADO	1.917	19.17	537.4
	TERRAPLEN	3.863	37.48	631.7	VEGETAL	1.894	18.84	514.5
290.000	FIRME	1.639	16.39	475.4	S ADECUADO	1.917	19.17	556.5
	TERRAPLEN	3.951	39.07	670.8	VEGETAL	1.902	18.98	533.5

350.000	FIRME	1.639	16.39	573.7	D TIERRA	0.000	0.07	100.1
	S ADECUADO	1.915	18.85	670.6	TERRAPLEN	2.702	17.07	822.6
	VEGETAL	1.790	17.17	640.7				
360.000	FIRME	1.639	16.39	590.1	S ADECUADO	1.883	18.99	689.5
370.000	TERRAPLEN	1.538	21.21	843.8	VEGETAL	1.674	17.32	658.0
	FIRME	1.639	16.39	606.5	S ADECUADO	1.873	18.78	708.3
	TERRAPLEN	1.405	14.72	858.5	VEGETAL	1.660	16.67	674.7
380.000	FIRME	1.639	16.39	622.9	S ADECUADO	1.892	18.83	727.1
390.000	TERRAPLEN	1.987	16.97	875.5	VEGETAL	1.715	16.88	691.6
	FIRME	1.639	16.39	639.3	S ADECUADO	1.875	18.83	746.0
	TERRAPLEN	1.615	18.02	893.5	VEGETAL	1.679	16.97	708.5
400.000	FIRME	1.639	16.39	655.7	S ADECUADO	1.893	18.84	764.8
410.000	TERRAPLEN	1.726	16.71	910.2	VEGETAL	1.693	16.86	725.4
	FIRME	1.639	16.39	672.1	S ADECUADO	1.872	18.83	783.6
	TERRAPLEN	1.166	14.47	924.7	VEGETAL	1.633	16.63	742.0
420.000	FIRME	1.639	16.39	688.4	S ADECUADO	1.876	18.74	802.4
430.000	TERRAPLEN	1.096	11.31	936.0	VEGETAL	1.626	16.30	758.3
	FIRME	1.639	16.39	704.8	D TIERRA	0.078	0.39	100.5
	S ADECUADO	1.931	19.04	821.4	TERRAPLEN	0.603	8.50	944.5
440.000	VEGETAL	1.830	17.28	775.6				
	FIRME	1.639	16.39	721.2	D TIERRA	0.000	0.39	100.9
	S ADECUADO	1.917	19.24	840.7	TERRAPLEN	3.472	20.37	964.9
450.000	VEGETAL	1.859	18.44	794.0				
	FIRME	1.639	16.39	737.6	S ADECUADO	1.918	19.17	859.8
	TERRAPLEN	3.666	35.69	1000.5	VEGETAL	1.877	18.68	812.7
460.000	FIRME	1.639	16.39	754.0	S ADECUADO	1.918	19.18	879.0
	TERRAPLEN	3.618	36.42	1037.0	VEGETAL	1.872	18.74	831.5

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 4
PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
470.000	FIRME	1.639	16.39	770.4	S ADECUADO	1.917	19.17	898.2		
480.000	TERRAPLEN	3.982	38.00	1075.0	VEGETAL	1.905	18.88	850.3		
	FIRME	1.639	16.39	786.8	S ADECUADO	1.918	19.17	917.4		
490.000	TERRAPLEN	3.256	36.19	1111.1	VEGETAL	1.839	18.72	869.1		
	FIRME	1.639	16.39	803.2	S ADECUADO	1.918	19.18	936.5		
500.000	TERRAPLEN	2.378	28.17	1139.3	VEGETAL	1.756	17.98	887.0		
	FIRME	1.639	16.39	819.6	S ADECUADO	1.916	19.17	955.7		
510.000	TERRAPLEN	1.718	20.48	1159.8	VEGETAL	1.691	17.23	904.3		
	FIRME	1.639	16.39	836.0	D TIERRA	0.146	0.73	101.6		
	S ADECUADO	1.933	19.25	975.0	TERRAPLEN	0.558	11.38	1171.2		
520.000	VEGETAL	1.842	17.66	921.9						
	FIRME	1.639	16.39	852.3	D TIERRA	0.000	0.73	102.3		
	S ADECUADO	1.891	19.12	944.1	TERRAPLEN	1.166	8.62	1179.8		
530.000	VEGETAL	1.633	17.38	939.3						
	FIRME	1.639	16.39	868.7	S ADECUADO	1.881	18.86	1012.9		
	TERRAPLEN	0.944	10.55	1190.3	VEGETAL	1.609	16.21	955.5		
540.000	FIRME	1.639	16.39	885.1	S ADECUADO	1.865	18.73	1031.7		
	TERRAPLEN	0.704	8.24	1198.6	VEGETAL	1.582	15.95	971.5		
550.000	FIRME	1.639	16.39	901.5	S ADECUADO	1.862	18.64	1050.3		
	TERRAPLEN	0.655	6.79	1205.4	VEGETAL	1.576	15.79	987.3		
560.000	FIRME	1.639	16.39	917.9	D TIERRA	0.016	0.08	102.4		
	S ADECUADO	1.829	18.45	1068.8	TERRAPLEN	0.330	4.93	1210.3		
	VEGETAL	1.536	15.56	1002.8						
570.000	FIRME	1.639	16.39	934.3	D TIERRA	0.005	0.10	102.5		
	S ADECUADO	1.836	18.32	1087.1	TERRAPLEN	0.377	3.53	1213.8		
	VEGETAL	1.543	15.40	1018.2						
580.000	FIRME	1.639	16.39	950.7	D TIERRA	0.000	0.02	102.5		
	S ADECUADO	1.849	18.43	1105.5	TERRAPLEN	0.490	4.33	1218.2		
	VEGETAL	1.557	15.50	1033.7						
583.802	FIRME	1.639	6.23	956.9	S ADECUADO	1.854	7.04	1112.6		
590.000	TERRAPLEN	0.538	1.95	1220.1	VEGETAL	1.563	5.93	1039.7		
	FIRME	1.639	10.16	967.1	S ADECUADO	1.850	11.48	1124.0		
	TERRAPLEN	0.490	3.19	1223.3	VEGETAL	1.557	9.67	1049.3		
600.000	FIRME	1.639	16.39	983.5	S ADECUADO	1.868	18.59	1142.6		
	TERRAPLEN	0.680	5.85	1229.2	VEGETAL	1.579	15.68	1065.0		
	FIRME	1.639	16.39	999.9	S ADECUADO	1.869	18.68	1161.3		
610.000	TERRAPLEN	0.690	6.85	1236.0	VEGETAL	1.581	15.80	1080.8		

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 5
PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
620.000	FIRME	1.639	16.39	1016.3	S ADECUADO	1.861	18.65	1180.0		
630.000	TERRAPLEN	0.600	6.45	1242.5	VEGETAL	1.570	15.75	1096.6		
	FIRME	1.639	16.39	1032.6	D TIERRA	0.148	0.74	103.3		
	S ADECUADO	1.903	18.82	1198.8	TERRAPLEN	0.194	3.97	1246.4		
640.000	VEGETAL	1.783	16.77	1113.3						
	FIRME	1.639	16.39	1049.0	D TIERRA	0.234	1.91	105.2		
	S ADECUADO	1.889	18.96	1217.7	TERRAPLEN	0.051	1.22	1247.7		
650.000	VEGETAL	1.773	17.78	1131.1						
	FIRME	1.639	16.39	1065.4	D TIERRA	1.447	8.41	113.6		
	S ADECUADO	1.958	19.23	1237.0	TERRAPLEN	0.070	0.60	1248.3		
660.000	VEGETAL	2.069	19.21	1150.3						
	FIRME	1.639	16.39	1081.8	D TIERRA	2.939	21.93	135.5		
	S ADECUADO	1.958	19.58	1256.6	TERRAPLEN	0.063	0.66	1248.9		
	VEGETAL	2.163	21.16	1171.5						

669.860	FIRME	1.639	16.16	1098.0	D TIERRA	3.042	29.49	165.0
	S ADECUADO	1.957	19.30	1275.9	TERRAPLEN	0.062	0.62	1249.5
	VEGETAL	2.169	21.36	1192.8				

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 6
PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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FIRME	1098.0
D TIERRA	165.0
S ADECUADO	1275.9
TERRAPLEN	1249.5
VEGETAL	1192.8

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 1
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	1.639	0.00	0.0		D TIERRA	4.156		0.00	0.0
	S ADECUADO	1.957	0.00	0.0		TERRAPLEN	0.042		0.00	0.0
	VEGETAL	1.818	0.00	0.0						
10.000	FIRME	1.639	16.39	16.4		D TIERRA	4.170		41.63	41.6
	S ADECUADO	1.958	19.57	19.6		TERRAPLEN	0.040		0.41	0.4
	VEGETAL	1.772	17.95	18.0						
20.000	FIRME	1.639	16.39	32.8		D TIERRA	2.298		32.34	74.0
	S ADECUADO	1.958	19.58	39.2		TERRAPLEN	0.048		0.44	0.8
	VEGETAL	1.680	17.26	35.2						
30.000	FIRME	1.639	16.39	49.2		D TIERRA	0.539		14.19	88.2
	S ADECUADO	1.906	19.32	58.5		TERRAPLEN	0.025		0.36	1.2
	VEGETAL	1.444	15.62	50.8						
40.000	FIRME	1.639	16.39	65.6		D TIERRA	0.000		2.70	90.9
	S ADECUADO	1.895	19.01	77.5		TERRAPLEN	0.938		4.82	6.0
	VEGETAL	1.315	13.80	64.6						
50.000	FIRME	1.639	16.39	82.0		S ADECUADO	1.917		19.06	96.5
	TERRAPLEN	2.487	17.13	23.2		VEGETAL	1.441		13.78	78.4
60.000	FIRME	1.639	16.39	98.4		S ADECUADO	1.917		19.17	115.7
	TERRAPLEN	3.782	31.35	54.5		VEGETAL	1.538		14.89	93.3
70.000	FIRME	1.639	16.39	114.7		S ADECUADO	1.917		19.17	134.9
	TERRAPLEN	5.108	44.45	99.0		VEGETAL	1.630		15.84	109.1
80.000	FIRME	1.639	16.39	131.1		S ADECUADO	1.917		19.17	154.1
	TERRAPLEN	5.850	54.79	153.7		VEGETAL	1.681		16.56	125.7
90.000	FIRME	1.639	16.39	147.5		S ADECUADO	1.917		19.17	173.2
	TERRAPLEN	6.819	63.35	217.1		VEGETAL	1.744		17.13	142.8
100.000	FIRME	1.639	16.39	163.9		S ADECUADO	1.917		19.17	192.4
	TERRAPLEN	7.087	69.53	286.6		VEGETAL	1.761		17.53	160.4
110.000	FIRME	1.639	16.39	180.3		S ADECUADO	1.917		19.17	211.6
	TERRAPLEN	6.898	69.92	356.5		VEGETAL	1.749		17.55	177.9
119.016	FIRME	1.639	14.78	195.1		S ADECUADO	1.917		17.29	228.9
	TERRAPLEN	6.892	62.16	418.7		VEGETAL	1.749		15.77	193.7
120.000	FIRME	1.639	1.61	196.7		S ADECUADO	1.918		1.89	230.8
	TERRAPLEN	6.916	6.79	425.5		VEGETAL	1.751		1.72	195.4
130.000	FIRME	1.639	16.39	213.1		S ADECUADO	1.918		19.18	249.9
	TERRAPLEN	7.064	69.90	495.4		VEGETAL	1.760		17.55	213.0
140.000	FIRME	1.639	16.39	229.5		S ADECUADO	1.917		19.17	269.1
	TERRAPLEN	6.775	69.19	564.6		VEGETAL	1.741		17.50	230.5

250.000	FIRME	1.639	16.39	409.8	D TIERRA	0.021	0.11	91.7
	S ADECUADO	1.856	18.72	478.9	TERRAPLEN	0.283	5.15	1155.7
	VEGETAL	1.254	12.76	411.9				
260.000	FIRME	1.639	16.39	426.2	D TIERRA	0.001	0.11	91.9
	S ADECUADO	1.871	18.64	497.5	TERRAPLEN	0.425	3.54	1159.3
	VEGETAL	1.269	12.61	424.5				
270.000	FIRME	1.639	16.39	442.6	S ADECUADO	1.905	18.88	516.4
	TERRAPLEN	1.038	7.31	1166.6	VEGETAL	1.324	12.96	437.5
	FIRME	1.639	16.39	459.0	S ADECUADO	1.917	19.11	535.5
280.000	TERRAPLEN	1.953	14.95	1181.5	VEGETAL	1.399	13.61	451.1
	FIRME	1.639	16.39	475.3	D TIERRA	0.041	0.21	92.1
	S ADECUADO	1.854	18.86	554.4	TERRAPLEN	0.982	14.67	1196.2
290.000	VEGETAL	1.316	13.58	464.7				
	FIRME	1.639	16.39	491.7	D TIERRA	0.000	0.21	92.3
	S ADECUADO	1.886	18.70	573.1	TERRAPLEN	1.201	10.91	1207.1
300.000	VEGETAL	1.338	13.27	477.9				

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 3
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
310.000	FIRME	1.639	16.39	508.1	S ADECUADO	1.916	19.01	592.1
	TERRAPLEN	2.330	17.65	1224.7	VEGETAL	1.430	13.84	491.8
320.000	FIRME	1.639	16.39	524.5	S ADECUADO	1.917	19.17	611.3
	TERRAPLEN	3.276	28.02	1252.8	VEGETAL	1.501	14.65	506.4
330.000	FIRME	1.639	16.39	540.9	S ADECUADO	1.895	19.06	630.3
	TERRAPLEN	1.672	24.74	1277.5	VEGETAL	1.379	14.40	520.8
340.000	FIRME	1.639	16.39	557.3	D TIERRA	0.004	0.02	92.3
	S ADECUADO	1.878	18.86	649.2	TERRAPLEN	0.678	11.75	1289.3
	VEGETAL	1.292	13.35	534.2				
350.000	FIRME	1.639	16.39	573.7	D TIERRA	0.000	0.02	92.3
	S ADECUADO	1.914	18.96	668.2	TERRAPLEN	1.693	11.85	1301.1
	VEGETAL	1.378	13.35	547.5				
360.000	FIRME	1.639	16.39	590.1	S ADECUADO	1.914	19.14	687.3
	TERRAPLEN	1.283	14.88	1316.0	VEGETAL	1.345	13.62	561.1
370.000	FIRME	1.639	16.39	606.5	D TIERRA	0.004	0.02	92.3
	S ADECUADO	1.864	18.89	706.2	TERRAPLEN	0.347	8.15	1324.1
	VEGETAL	1.261	13.03	574.2				
380.000	FIRME	1.639	16.39	622.9	D TIERRA	0.000	0.02	92.3
	S ADECUADO	1.886	18.75	724.9	TERRAPLEN	0.655	5.01	1329.1
	VEGETAL	1.290	12.76	586.9				
390.000	FIRME	1.639	16.39	639.3	S ADECUADO	1.915	19.00	743.9
	TERRAPLEN	1.632	11.43	1340.6	VEGETAL	1.373	13.32	600.3
400.000	FIRME	1.639	16.39	655.6	S ADECUADO	1.912	19.14	763.1
	TERRAPLEN	1.185	14.08	1354.7	VEGETAL	1.336	13.55	613.8
410.000	FIRME	1.639	16.39	672.0	D TIERRA	0.477	2.39	94.7
	S ADECUADO	1.887	19.00	782.1	TERRAPLEN	0.032	6.09	1360.7
	VEGETAL	1.411	13.74	627.5				
420.000	FIRME	1.639	16.39	688.4	D TIERRA	0.000	2.39	97.1
	S ADECUADO	1.884	18.86	800.9	TERRAPLEN	0.614	3.23	1364.0
	VEGETAL	1.287	13.49	641.0				
430.000	FIRME	1.639	16.39	704.8	S ADECUADO	1.916	19.00	819.9
	TERRAPLEN	1.636	11.25	1375.2	VEGETAL	1.373	13.30	654.3
440.000	FIRME	1.639	16.39	721.2	S ADECUADO	1.917	19.17	839.1
	TERRAPLEN	1.805	17.21	1392.4	VEGETAL	1.387	13.80	668.1
450.000	FIRME	1.639	16.39	737.6	S ADECUADO	1.918	19.17	858.3
	TERRAPLEN	2.680	22.43	1414.9	VEGETAL	1.456	14.21	682.3
460.000	FIRME	1.639	16.39	754.0	S ADECUADO	1.917	19.18	877.4
	TERRAPLEN	3.522	31.01	1445.9	VEGETAL	1.519	14.87	697.2

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 4
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
470.000	FIRME	1.639	16.39	770.4	S ADECUADO	1.918	19.18	896.6
	TERRAPLEN	2.857	31.89	1477.8	VEGETAL	1.469	14.94	712.2
480.000	FIRME	1.639	16.39	786.8	S ADECUADO	1.918	19.18	915.8
	TERRAPLEN	2.479	26.68	1504.4	VEGETAL	1.440	14.55	726.7
490.000	FIRME	1.639	16.39	803.2	S ADECUADO	1.917	19.18	935.0
	TERRAPLEN	2.524	25.02	1529.5	VEGETAL	1.443	14.41	741.1
500.000	FIRME	1.639	16.39	819.6	S ADECUADO	1.913	19.15	954.1
	TERRAPLEN	1.397	19.61	1549.1	VEGETAL	1.354	13.99	755.1
510.000	FIRME	1.639	16.39	835.9	D TIERRA	0.025	0.13	97.2
	S ADECUADO	1.859	18.86	973.0	TERRAPLEN	0.362	8.80	1557.9
	VEGETAL	1.261	13.07	768.2				
520.000	FIRME	1.639	16.39	852.3	D TIERRA	0.062	0.43	97.7
	S ADECUADO	1.845	18.52	991.5	TERRAPLEN	0.251	3.06	1560.9
	VEGETAL	1.247	12.54	780.7				
530.000	FIRME	1.639	16.39	868.7	D TIERRA	0.103	0.82	98.5
	S ADECUADO	1.840	18.42	1009.9	TERRAPLEN	0.206	2.28	1563.2
	VEGETAL	1.243	12.45	793.2				
540.000	FIRME	1.639	16.39	885.1	D TIERRA	0.046	0.75	99.3
	S ADECUADO	1.872	18.56	1028.5	TERRAPLEN	0.406	3.06	1566.3
	VEGETAL	1.279	12.61	805.8				
550.000	FIRME	1.639	16.39	901.5	D TIERRA	0.000	0.23	99.5
	S ADECUADO	1.905	18.88	1047.4	TERRAPLEN	1.149	7.77	1574.0
	VEGETAL	1.360	13.19	819.0				
552.667	FIRME	1.639	4.37	905.9	S ADECUADO	1.915	5.09	1052.5

560.000	TERRAPLEN	1.828	3.97	1578.0	VEGETAL	1.397	3.68	822.6
	FIRME	1.639	12.02	917.9	S ADECUADO	1.917	14.05	1066.5
570.000	TERRAPLEN	2.111	14.44	1592.4	VEGETAL	1.422	10.33	833.0
	FIRME	1.639	16.39	934.3	S ADECUADO	1.918	19.17	1085.7
580.000	TERRAPLEN	1.856	19.84	1612.3	VEGETAL	1.414	14.18	847.1
	FIRME	1.639	16.39	950.7	S ADECUADO	1.917	19.17	1104.9
590.000	TERRAPLEN	1.422	16.39	1628.7	VEGETAL	1.386	14.00	861.1
	FIRME	1.639	16.39	967.1	S ADECUADO	1.917	19.17	1124.0
600.000	TERRAPLEN	1.860	16.41	1645.1	VEGETAL	1.399	13.92	875.1
	FIRME	1.639	16.39	983.5	S ADECUADO	1.917	19.17	1143.2
610.000	TERRAPLEN	2.593	22.26	1667.3	VEGETAL	1.456	14.27	889.3
	FIRME	1.639	16.39	999.9	S ADECUADO	1.918	19.18	1162.4
	TERRAPLEN	2.360	24.76	1692.1	VEGETAL	1.438	14.47	903.8

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 5
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
620.000	FIRME	1.639	16.39	1016.3	S ADECUADO	1.916	19.17	1181.6
	TERRAPLEN	1.765	20.62	1712.7	VEGETAL	1.395	14.17	918.0
630.000	FIRME	1.639	16.39	1032.6	S ADECUADO	1.917	19.17	1200.7
	TERRAPLEN	2.585	21.75	1734.5	VEGETAL	1.455	14.25	932.2
640.000	FIRME	1.639	16.39	1049.0	S ADECUADO	1.918	19.17	1219.9
	TERRAPLEN	1.909	22.47	1757.0	VEGETAL	1.399	14.27	946.5
650.000	FIRME	1.639	16.39	1065.4	S ADECUADO	1.909	19.14	1239.0
	TERRAPLEN	1.262	15.85	1772.8	VEGETAL	1.344	13.71	960.2
660.000	FIRME	1.639	16.39	1081.8	D TIERRA	0.001	0.01	99.5
	S ADECUADO	1.875	18.92	1258.0	TERRAPLEN	0.437	8.49	1781.3
	VEGETAL	1.277	13.11	973.3				
670.000	FIRME	1.639	16.39	1098.2	D TIERRA	0.010	0.06	99.5
	S ADECUADO	1.876	18.75	1276.7	TERRAPLEN	0.586	5.11	1786.4
	VEGETAL	1.303	12.90	986.2				
680.000	FIRME	1.639	16.39	1114.6	D TIERRA	0.000	0.05	99.6
	S ADECUADO	1.914	18.95	1295.7	TERRAPLEN	2.183	13.84	1800.3
	VEGETAL	1.403	13.53	999.8				
690.000	FIRME	1.639	16.39	1131.0	S ADECUADO	1.917	19.16	1314.8
	TERRAPLEN	2.102	21.43	1821.7	VEGETAL	1.411	14.07	1013.8
700.000	FIRME	1.639	16.39	1147.4	S ADECUADO	1.912	19.14	1334.0
	TERRAPLEN	2.084	20.93	1842.6	VEGETAL	1.411	14.11	1027.9
710.000	FIRME	1.639	16.39	1163.8	S ADECUADO	1.917	19.14	1353.1
	TERRAPLEN	3.069	25.77	1868.4	VEGETAL	1.490	14.51	1042.4
720.000	FIRME	1.639	16.39	1180.2	S ADECUADO	1.917	19.17	1372.3
	TERRAPLEN	3.675	33.72	1902.1	VEGETAL	1.535	15.13	1057.6
730.000	FIRME	1.639	16.39	1196.6	S ADECUADO	1.917	19.17	1391.4
	TERRAPLEN	5.999	48.37	1950.5	VEGETAL	1.691	16.13	1073.7
740.000	FIRME	1.639	16.39	1212.9	S ADECUADO	1.917	19.17	1410.6
	TERRAPLEN	5.916	59.58	2010.0	VEGETAL	1.674	16.82	1090.5
750.000	FIRME	1.639	16.39	1229.3	S ADECUADO	1.918	19.17	1429.8
	TERRAPLEN	4.896	54.06	2064.1	VEGETAL	1.610	16.42	1106.9
760.000	FIRME	1.639	16.39	1245.7	S ADECUADO	1.918	19.18	1449.0
	TERRAPLEN	3.098	39.97	2104.1	VEGETAL	1.491	15.51	1122.5
770.000	FIRME	1.639	16.39	1262.1	S ADECUADO	1.896	19.07	1468.0
	TERRAPLEN	1.539	23.19	2127.3	VEGETAL	1.367	14.29	1136.7
780.000	FIRME	1.639	16.39	1278.5	S ADECUADO	1.910	19.03	1487.1
	TERRAPLEN	1.908	17.24	2144.5	VEGETAL	1.397	13.82	1150.6

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina

910.000	VEGETAL	1.653	15.55	1320.4				
	FIRME	1.639	16.39	1491.6	D TIERRA	3.596	26.90	137.5
	S ADECUADO	1.958	19.58	1736.0	TERRAPLEN	0.037	0.45	2355.2
920.000	VEGETAL	1.729	16.91	1337.4				
	FIRME	1.639	16.39	1508.0	D TIERRA	2.167	28.81	166.3
	S ADECUADO	1.886	19.22	1755.2	TERRAPLEN	0.023	0.30	2355.5
930.000	VEGETAL	1.514	16.21	1353.6				
	FIRME	1.639	16.39	1524.4	D TIERRA	1.598	18.82	185.1
	S ADECUADO	1.926	19.06	1774.3	TERRAPLEN	0.075	0.49	2356.0
	VEGETAL	1.571	15.42	1369.0				

Istram 18.05.05.29 17/01/19 18:07:45 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 7

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
940.000	FIRME	1.639	16.39	1540.8	D TIERRA	2.387	19.92	205.0
	S ADECUADO	1.958	19.42	1793.7	TERRAPLEN	0.058	0.67	2356.7
	VEGETAL	1.688	16.29	1385.3				
950.000	FIRME	1.639	16.39	1557.2	D TIERRA	2.362	23.74	228.8
	S ADECUADO	1.893	19.25	1812.9	TERRAPLEN	0.023	0.41	2357.1
	VEGETAL	1.534	16.11	1401.4				
960.000	FIRME	1.639	16.39	1573.5	D TIERRA	2.841	26.01	254.8
	S ADECUADO	1.890	18.92	1831.9	TERRAPLEN	0.023	0.23	2357.3
	VEGETAL	1.561	15.47	1416.9				
970.000	FIRME	1.639	16.39	1589.9	D TIERRA	3.015	29.27	284.0
	S ADECUADO	1.909	19.00	1850.9	TERRAPLEN	0.024	0.24	2357.6
	VEGETAL	1.599	15.80	1432.7				
980.000	FIRME	1.639	16.39	1606.3	D TIERRA	3.091	30.52	314.6
	S ADECUADO	1.915	19.12	1870.0	TERRAPLEN	0.029	0.26	2357.8
	VEGETAL	1.616	16.07	1448.7				
990.000	FIRME	1.639	16.39	1622.7	D TIERRA	7.208	51.48	366.0
	S ADECUADO	1.958	19.36	1889.3	TERRAPLEN	0.037	0.33	2358.1
	VEGETAL	1.853	17.34	1466.1				
990.432	FIRME	1.639	0.71	1623.4	D TIERRA	7.263	3.13	369.2
	S ADECUADO	1.958	0.85	1890.2	TERRAPLEN	0.037	0.02	2358.2
	VEGETAL	1.860	0.80	1466.9				
1000.000	FIRME	1.639	15.68	1639.1	D TIERRA	2.967	48.97	418.1
	S ADECUADO	1.879	18.36	1908.5	TERRAPLEN	0.022	0.28	2358.4
	VEGETAL	1.638	16.74	1483.6				
1010.000	FIRME	1.639	16.39	1655.5	D TIERRA	3.329	31.51	449.6
	S ADECUADO	1.958	19.19	1927.7	TERRAPLEN	0.055	0.39	2358.8
	VEGETAL	1.792	17.16	1500.8				
1020.000	FIRME	1.639	16.39	1671.9	D TIERRA	3.937	36.36	486.0
	S ADECUADO	1.958	19.58	1947.3	TERRAPLEN	0.053	0.54	2359.4
	VEGETAL	1.783	17.88	1518.7				
1030.000	FIRME	1.639	16.39	1688.3	D TIERRA	3.979	39.61	525.6
	S ADECUADO	1.871	19.15	1966.5	TERRAPLEN	0.022	0.37	2359.7
	VEGETAL	1.586	16.85	1535.5				
1040.000	FIRME	1.639	16.39	1704.7	D TIERRA	3.474	37.30	562.9
	S ADECUADO	1.909	18.90	1985.3	TERRAPLEN	0.022	0.22	2360.0
	VEGETAL	1.609	15.98	1551.5				

Istram 18.05.05.29 17/01/19 18:07:45 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 8

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1050.000	FIRME	1.639	16.39	1721.1	D TIERRA	4.083	37.82	600.7
	S ADECUADO	1.958	19.34	2004.7	TERRAPLEN	0.052	0.37	2360.3
	VEGETAL	1.743	16.77	1568.3				
1060.000	FIRME	1.639	16.39	1737.5	D TIERRA	6.274	51.82	652.6
	S ADECUADO	1.958	19.58	2024.3	TERRAPLEN	0.039	0.45	2360.8
	VEGETAL	1.871	18.08	1586.3				
1070.000	FIRME	1.639	16.39	1753.8	D TIERRA	8.246	72.64	725.2
	S ADECUADO	1.958	19.58	2043.8	TERRAPLEN	0.038	0.38	2361.2
	VEGETAL	1.949	19.11	1605.4				
1080.000	FIRME	1.639	16.39	1770.2	D TIERRA	7.122	76.90	802.1
	S ADECUADO	1.876	19.17	2063.0	TERRAPLEN	0.022	0.30	2361.5
	VEGETAL	1.728	18.39	1623.8				
1090.000	FIRME	1.639	16.39	1786.6	D TIERRA	9.788	84.62	886.7
	S ADECUADO	1.958	19.17	2082.2	TERRAPLEN	0.039	0.31	2361.8
	VEGETAL	2.006	18.68	1642.5				
1100.000	FIRME	1.639	16.39	1803.0	D TIERRA	11.446	106.24	993.0
	S ADECUADO	1.958	19.58	2101.8	TERRAPLEN	0.038	0.39	2362.2
	VEGETAL	2.069	20.39	1662.9				
1110.000	FIRME	1.639	16.39	1819.4	D TIERRA	11.946	117.03	1110.0
	S ADECUADO	1.958	19.58	2121.3	TERRAPLEN	0.038	0.38	2362.6
	VEGETAL	2.100	20.86	1683.8				
1120.000	FIRME	1.639	16.39	1835.8	D TIERRA	11.798	118.80	1228.8
	S ADECUADO	1.958	19.58	2140.9	TERRAPLEN	0.038	0.38	2362.9
	VEGETAL	2.104	21.03	1704.8				
1130.000	FIRME	1.639	16.39	1852.2	D TIERRA	11.505	116.59	1345.4
	S ADECUADO	1.957	19.58	2160.5	TERRAPLEN	0.037	0.38	2363.3
	VEGETAL	2.093	21.00	1725.8				
1140.000	FIRME	1.639	16.39	1868.6	D TIERRA	12.021	117.71	1463.1
	S ADECUADO	1.958	19.58	2180.1	TERRAPLEN	0.037	0.37	2363.7
	VEGETAL	2.122	21.08	1746.9				
1150.000	FIRME	1.639	16.39	1885.0	D TIERRA	11.976	120.07	1583.2
	S ADECUADO	1.958	19.58	2199.7	TERRAPLEN	0.037	0.37	2364.1

VEGETAL	2.149	21.36	1768.2				
FIRME	1.639	13.32	1898.3	D TIERRA	10.977	93.29	1676.5
S ADECUADO	1.958	15.90	2215.6	TERRAPLEN	0.037	0.30	2364.4
VEGETAL	2.104	17.28	1785.5				

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 9

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1160.000	FIRME	1.639	3.08	1901.4	D TIERRA	8.925	18.67	1695.1
	S ADECUADO	1.957	3.67	2219.2	TERRAPLEN	0.047	0.08	2364.4
	VEGETAL	2.019	3.87	1789.4				
1170.000	FIRME	1.639	16.39	1917.8	D TIERRA	5.839	73.80	1768.9
	S ADECUADO	1.937	19.47	2238.7	TERRAPLEN	0.331	1.89	2366.3
	VEGETAL	1.946	19.82	1809.2				
1180.000	FIRME	1.639	16.39	1934.2	D TIERRA	4.059	49.47	1818.4
	S ADECUADO	1.938	19.37	2258.1	TERRAPLEN	0.836	5.83	2372.2
	VEGETAL	1.923	19.34	1828.5				
1190.000	FIRME	1.639	16.39	1950.5	D TIERRA	3.429	37.43	1855.8
	S ADECUADO	1.938	19.38	2277.5	TERRAPLEN	1.201	10.19	2382.3
	VEGETAL	1.903	19.13	1847.7				
1200.000	FIRME	1.639	16.39	1966.9	D TIERRA	0.924	21.76	1877.6
	S ADECUADO	1.938	19.38	2296.8	TERRAPLEN	1.575	13.88	2396.2
	VEGETAL	1.782	18.42	1866.1				
1210.000	FIRME	1.639	16.39	1983.3	D TIERRA	4.482	27.02	1904.6
	S ADECUADO	1.957	19.48	2316.3	TERRAPLEN	0.042	8.08	2404.3
	VEGETAL	1.791	17.86	1883.9				
1220.000	FIRME	1.639	16.39	1999.7	D TIERRA	3.042	37.62	1942.2
	S ADECUADO	1.957	19.57	2335.9	TERRAPLEN	0.040	0.41	2404.7
	VEGETAL	1.717	17.54	1901.5				
1230.000	FIRME	1.639	16.39	2016.1	D TIERRA	0.000	15.21	1957.4
	S ADECUADO	1.892	19.25	2355.1	TERRAPLEN	1.178	6.09	2410.8
	VEGETAL	1.333	15.25	1916.7				
1240.000	FIRME	1.639	16.39	2032.5	S ADECUADO	1.918	19.05	2374.2
	TERRAPLEN	3.102	21.40	2432.2	VEGETAL	1.488	14.11	1930.8
	FIRME	1.639	16.39	2048.9	S ADECUADO	1.917	19.17	2393.4
1250.000	TERRAPLEN	2.222	26.62	2458.8	VEGETAL	1.421	14.55	1945.4
	FIRME	1.639	16.39	2065.3	S ADECUADO	1.904	19.11	2412.5
	TERRAPLEN	1.242	17.32	2476.2	VEGETAL	1.341	13.81	1959.2
1260.000	FIRME	1.639	16.39	2081.7	D TIERRA	0.014	0.07	1957.5
	S ADECUADO	1.869	18.86	2431.3	TERRAPLEN	0.517	8.79	2484.9
	VEGETAL	1.276	13.09	1972.3				
1270.000	FIRME	1.639	16.39	2098.1	D TIERRA	0.079	0.47	1958.0
	S ADECUADO	1.839	18.54	2449.9	TERRAPLEN	0.223	3.70	2488.6
	VEGETAL	1.242	12.59	1984.9				

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 10

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1290.000	FIRME	1.639	16.39	2114.5	D TIERRA	0.188	1.34	1959.3
	S ADECUADO	1.919	18.79	2468.7	TERRAPLEN	0.174	1.98	2490.6
	VEGETAL	1.439	13.41	1998.3				
1300.000	FIRME	1.639	16.39	2130.9	D TIERRA	0.021	1.05	1960.4
	S ADECUADO	1.868	18.94	2487.6	TERRAPLEN	0.700	4.37	2495.0
	VEGETAL	1.293	13.66	2011.9				
1310.000	FIRME	1.639	16.39	2147.2	D TIERRA	0.000	0.10	1960.5
	S ADECUADO	1.899	18.84	2506.4	TERRAPLEN	1.426	10.63	2505.6
	VEGETAL	1.353	13.23	2025.2				
1320.000	FIRME	1.639	16.39	2163.6	D TIERRA	0.017	0.09	1960.6
	S ADECUADO	1.870	18.85	2525.3	TERRAPLEN	0.739	10.82	2516.5
	VEGETAL	1.296	13.25	2038.4				
1330.000	FIRME	1.639	16.39	2180.0	D TIERRA	0.353	1.85	1962.4
	S ADECUADO	1.935	19.03	2544.3	TERRAPLEN	0.344	5.42	2521.9
	VEGETAL	1.486	13.91	2052.3				
1340.000	FIRME	1.639	16.39	2196.4	D TIERRA	0.000	1.76	1964.2
	S ADECUADO	1.902	19.19	2563.5	TERRAPLEN	1.894	11.19	2533.1
	VEGETAL	1.397	14.41	2066.7				
1350.000	FIRME	1.639	16.39	2212.8	S ADECUADO	1.894	18.98	2582.5
	TERRAPLEN	1.778	18.37	2551.4	VEGETAL	1.388	13.93	2080.7
	FIRME	1.639	16.39	2229.2	D TIERRA	0.030	0.15	1964.3
1360.000	S ADECUADO	1.859	18.77	2601.2	TERRAPLEN	1.174	14.76	2566.2
	VEGETAL	1.335	13.62	2094.3				
	FIRME	1.639	16.39	2245.6	D TIERRA	0.000	0.15	1964.5
1370.000	S ADECUADO	1.899	18.79	2620.0	TERRAPLEN	1.165	11.70	2577.9
	VEGETAL	1.354	13.45	2107.7				
	FIRME	1.639	16.39	2262.0	S ADECUADO	1.898	18.98	2639.0
1380.000	TERRAPLEN	1.655	14.10	2592.0	VEGETAL	1.377	13.66	2121.4
	FIRME	1.639	16.39	2278.4	S ADECUADO	1.915	19.06	2658.1
	TERRAPLEN	2.474	20.65	2612.6	VEGETAL	1.443	14.10	2135.5
1400.000	FIRME	1.639	16.39	2294.8	S ADECUADO	1.917	19.16	2677.2
	TERRAPLEN	2.630	25.52	2638.2	VEGETAL	1.454	14.49	2150.0
	FIRME	1.639	16.39	2311.2	S ADECUADO	1.887	19.02	2696.3
1410.000	TERRAPLEN	1.533	20.81	2659.0	VEGETAL	1.368	14.11	2164.1
	FIRME	1.639	16.39	2327.5	D TIERRA	0.010	0.05	1964.5
	S ADECUADO	1.872	18.80	2715.1	TERRAPLEN	1.044	12.88	2671.9
1420.000	VEGETAL	1.324	13.46	2177.6				

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 11

EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1430.000	FIRME	1.639	16.39	2343.9	D TIERRA	0.000	0.05	1964.6
	S ADECUADO	1.883	18.78	2733.8	TERRAPLEN	1.967	15.05	2686.9
	VEGETAL	1.465	13.95	2191.5				
1440.000	FIRME	1.639	16.39	2360.3	S ADECUADO	1.913	18.98	2752.8
	TERRAPLEN	4.693	33.30	2720.2	VEGETAL	1.595	15.30	2206.8
1450.000	FIRME	1.639	16.39	2376.7	S ADECUADO	1.917	19.15	2772.0
	TERRAPLEN	7.375	60.34	2780.6	VEGETAL	1.780	16.87	2223.7
1460.000	FIRME	1.639	16.39	2393.1	S ADECUADO	1.917	19.17	2791.1
	TERRAPLEN	6.469	69.22	2849.8	VEGETAL	1.722	17.51	2241.2
1470.000	FIRME	1.639	16.39	2409.5	S ADECUADO	1.917	19.17	2810.3
	TERRAPLEN	5.727	60.98	2910.8	VEGETAL	1.674	16.98	2258.2
1480.000	FIRME	1.639	16.39	2425.9	S ADECUADO	1.917	19.17	2829.5
	TERRAPLEN	4.208	49.67	2960.4	VEGETAL	1.513	15.93	2274.1
1490.000	FIRME	1.639	16.39	2442.3	D TIERRA	0.848	4.24	1968.8
	S ADECUADO	1.938	19.28	2848.8	TERRAPLEN	2.073	31.41	2991.8
	VEGETAL	1.749	16.31	2290.4				
1500.000	FIRME	1.639	16.39	2458.7	D TIERRA	5.580	32.14	2000.9
	S ADECUADO	1.957	19.48	2868.2	TERRAPLEN	0.034	10.54	3002.4
	VEGETAL	1.717	17.33	2307.7				
1510.000	FIRME	1.639	16.39	2475.1	D TIERRA	2.408	39.94	2040.9
	S ADECUADO	1.958	19.58	2887.8	TERRAPLEN	0.046	0.40	3002.8
	VEGETAL	1.752	17.34	2325.1				
1520.000	FIRME	1.639	16.39	2491.5	D TIERRA	0.337	13.73	2054.6
	S ADECUADO	1.912	19.35	2907.2	TERRAPLEN	0.053	0.50	3003.3
	VEGETAL	1.439	15.96	2341.0				
1530.000	FIRME	1.639	16.39	2507.8	D TIERRA	0.000	1.68	2056.3
	S ADECUADO	1.892	19.02	2926.2	TERRAPLEN	0.895	4.74	3008.0
	VEGETAL	1.312	13.76	2354.8				
1540.000	FIRME	1.639	16.39	2524.2	S ADECUADO	1.908	19.00	2945.2
	TERRAPLEN	1.310	11.03	3019.1	VEGETAL	1.347	13.29	2368.1
1550.000	FIRME	1.639	16.39	2540.6	S ADECUADO	1.881	18.94	2964.1
	TERRAPLEN	0.606	9.58	3028.6	VEGETAL	1.286	13.16	2381.2
1560.000	FIRME	1.639	16.39	2557.0	D TIERRA	61.366	306.86	2363.1
	S ADECUADO	1.958	19.19	2983.3	TERRAPLEN	0.033	3.19	3031.8
	VEGETAL	3.253	22.69	2403.9				
1570.000	FIRME	1.639	16.39	2573.4	D TIERRA	36.583	489.78	2852.9
	S ADECUADO	1.958	19.58	3002.9	TERRAPLEN	0.035	0.34	3032.2
	VEGETAL	2.779	30.16	2434.1				

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 12

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
* * * cubicacion segun distancias compensadas * * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1580.000	FIRME	1.639	16.39	2589.8	D TIERRA	0.000	182.92	3035.8
	S ADECUADO	1.918	19.38	3022.3	TERRAPLEN	3.546	17.90	3050.1
	VEGETAL	1.520	21.50	2455.6				
1590.000	FIRME	1.639	16.39	2606.2	S ADECUADO	1.917	19.17	3041.4
	TERRAPLEN	3.914	37.30	3087.4	VEGETAL	1.547	15.33	2470.9
1600.000	FIRME	1.639	16.39	2622.6	S ADECUADO	1.917	19.17	3060.6
	TERRAPLEN	3.701	38.08	3125.4	VEGETAL	1.531	15.39	2486.3
1610.000	FIRME	1.639	16.39	2639.0	S ADECUADO	1.917	19.17	3079.8
	TERRAPLEN	3.404	35.52	3161.0	VEGETAL	1.509	15.20	2501.5
1611.639	FIRME	1.639	2.69	2641.7	S ADECUADO	1.917	3.14	3082.9
	TERRAPLEN	3.378	5.56	3166.5	VEGETAL	1.507	2.47	2504.0
1620.000	FIRME	1.639	13.70	2655.4	S ADECUADO	1.918	16.03	3099.0
	TERRAPLEN	3.243	27.68	3194.2	VEGETAL	1.498	12.56	2516.6
1630.000	FIRME	1.639	16.39	2671.8	S ADECUADO	1.917	19.17	3118.1
	TERRAPLEN	3.086	31.64	3225.8	VEGETAL	1.486	14.92	2531.5
1640.000	FIRME	1.639	16.39	2688.2	S ADECUADO	1.918	19.17	3137.3
	TERRAPLEN	2.929	30.07	3255.9	VEGETAL	1.474	14.80	2546.3
1650.000	FIRME	1.639	16.39	2704.5	S ADECUADO	1.918	19.18	3156.5
	TERRAPLEN	2.669	27.99	3283.9	VEGETAL	1.455	14.64	2560.9
1660.000	FIRME	1.639	16.39	2720.9	S ADECUADO	1.917	19.17	3175.7
	TERRAPLEN	2.274	24.71	3308.6	VEGETAL	1.409	14.32	2575.2
1670.000	FIRME	1.639	16.39	2737.3	S ADECUADO	1.883	19.00	3194.7
	TERRAPLEN	1.111	16.92	3325.5	VEGETAL	1.328	13.68	2588.9
1680.000	FIRME	1.639	16.39	2753.7	D TIERRA	0.048	0.24	3036.1
	S ADECUADO	1.857	18.70	3213.4	TERRAPLEN	0.588	8.49	3334.0
	VEGETAL	1.280	13.04	2601.9				
1690.000	FIRME	1.639	16.39	2770.1	D TIERRA	0.010	0.29	3036.4
	S ADECUADO	1.873	18.65	3232.0	TERRAPLEN	0.910	7.49	3341.5
	VEGETAL	1.307	12.93	2614.9				
1700.000	FIRME	1.639	16.39	2786.5	D TIERRA	0.000	0.05	3036.4
	S ADECUADO	1.899	18.86	3250.9	TERRAPLEN	1.405	11.57	3353.1
	VEGETAL	1.334	13.21	2628.1				
1710.000	FIRME	1.639	16.39	2802.9	S ADECUADO	1.918	19.09	3270.0
	TERRAPLEN	1.887	16.46	3369.6	VEGETAL	1.393	13.64	2641.7
1720.000	FIRME	1.639	16.39	2819.3	S ADECUADO	1.917	19.18	3289.1
	TERRAPLEN	1.921	19.04	3388.6	VEGETAL	1.396	13.95	2655.7
1730.000	FIRME	1.639	16.39	2835.7	S ADECUADO	1.917	19.17	3308.3
	TERRAPLEN	1.982	19.51	3408.1	VEGETAL	1.401	13.99	2669.7

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :

pagina 13

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1930.000	FIRME	1.639	16.39	3163.5	S ADECUADO	1.896	18.97	3690.3
	TERRAPLEN	0.909	9.28	3689.7	VEGETAL	1.313	13.14	2940.4
1940.000	FIRME	1.639	16.39	3179.9	S ADECUADO	1.893	18.95	3709.3
	TERRAPLEN	0.876	8.93	3698.6	VEGETAL	1.310	13.11	2953.5
1950.000	FIRME	1.639	16.39	3196.3	S ADECUADO	1.891	18.92	3728.2
	TERRAPLEN	0.848	8.62	3707.2	VEGETAL	1.305	13.08	2966.6
1960.000	FIRME	1.639	16.39	3212.7	S ADECUADO	1.889	18.90	3747.1
	TERRAPLEN	0.798	8.23	3715.4	VEGETAL	1.302	13.04	2979.7
1970.000	FIRME	1.639	16.39	3229.1	S ADECUADO	1.885	18.87	3766.0
	TERRAPLEN	0.740	7.69	3723.1	VEGETAL	1.298	13.00	2992.7
1980.000	FIRME	1.639	16.39	3245.5	S ADECUADO	1.885	18.85	3784.8
	TERRAPLEN	0.754	7.47	3730.6	VEGETAL	1.296	12.97	3005.6
1990.000	FIRME	1.639	16.39	3261.9	S ADECUADO	1.884	18.85	3803.7
	TERRAPLEN	0.764	7.59	3738.2	VEGETAL	1.293	12.95	3018.6
2000.000	FIRME	1.639	16.39	3278.3	S ADECUADO	1.889	18.87	3822.5
	TERRAPLEN	0.909	8.36	3746.6	VEGETAL	1.306	12.99	3031.6
2010.000	FIRME	1.639	16.39	3294.6	S ADECUADO	1.893	18.91	3841.5
	TERRAPLEN	1.051	9.80	3756.4	VEGETAL	1.320	13.13	3044.7
2020.000	FIRME	1.639	16.39	3311.0	S ADECUADO	1.896	18.94	3860.4
	TERRAPLEN	1.177	11.14	3767.5	VEGETAL	1.335	13.28	3058.0
2030.000	FIRME	1.639	16.39	3327.4	S ADECUADO	1.888	18.92	3879.3
	TERRAPLEN	0.959	10.68	3778.2	VEGETAL	1.317	13.26	3071.2
2040.000	FIRME	1.639	16.39	3343.8	D TIERRA	0.010	0.05	3036.5
	S ADECUADO	1.873	18.81	3898.1	TERRAPLEN	0.633	7.96	3786.1
	VEGETAL	1.287	13.02	3084.3				
2050.000	FIRME	1.639	16.39	3360.2	D TIERRA	0.050	0.30	3036.8
	S ADECUADO	1.853	18.63	3916.8	TERRAPLEN	0.372	5.03	3791.2
	VEGETAL	1.260	12.73	3097.0				
2060.000	FIRME	1.639	16.39	3376.6	D TIERRA	0.173	1.11	3037.9
	S ADECUADO	1.923	18.88	3935.6	TERRAPLEN	0.222	2.97	3794.1
	VEGETAL	1.443	13.51	3110.5				
2070.000	FIRME	1.639	16.39	3393.0	D TIERRA	0.252	2.12	3040.0
	S ADECUADO	1.916	19.19	3954.8	TERRAPLEN	0.110	1.66	3795.8
	VEGETAL	1.439	14.41	3124.9				
2080.000	FIRME	1.639	16.39	3409.4	D TIERRA	0.000	1.26	3041.3
	S ADECUADO	1.908	19.12	3973.9	TERRAPLEN	1.075	5.92	3801.7
	VEGETAL	1.327	13.83	3138.7				

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * cubicacion segun distancias compensadas * * *										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2090.000	FIRME	1.639		16.39	3425.8	S ADECUADO	1.902		19.05	3993.0
	TERRAPLEN	0.924		9.99	3811.7	VEGETAL	1.314		13.20	3151.9
2100.000	FIRME	1.639		16.39	3442.2	S ADECUADO	1.913		19.08	4012.1
	TERRAPLEN	1.288		11.06	3822.8	VEGETAL	1.345		13.29	3165.2
2110.000	FIRME	1.639		16.39	3458.6	S ADECUADO	1.912		19.12	4031.2
	TERRAPLEN	1.275		12.82	3835.6	VEGETAL	1.344		13.45	3178.7
2120.000	FIRME	1.639		16.39	3475.0	S ADECUADO	1.904		19.08	4050.3
	TERRAPLEN	1.005		11.40	3847.0	VEGETAL	1.321		13.33	3192.0
2130.000	FIRME	1.639		16.39	3491.3	S ADECUADO	1.883		18.94	4069.2
	TERRAPLEN	0.590		7.98	3855.0	VEGETAL	1.284		13.03	3205.0
2140.000	FIRME	1.639		16.39	3507.7	S ADECUADO	1.918		19.00	4088.2
	TERRAPLEN	2.567		15.78	3870.7	VEGETAL	1.447		13.66	3218.7
2150.000	FIRME	1.639		16.39	3524.1	S ADECUADO	1.917		19.17	4107.4
	TERRAPLEN	2.802		26.84	3897.6	VEGETAL	1.465		14.56	3233.2
2160.000	FIRME	1.639		16.39	3540.5	S ADECUADO	1.918		19.17	4126.6
	TERRAPLEN	2.928		28.65	3926.2	VEGETAL	1.474		14.69	3247.9
2170.000	FIRME	1.639		16.39	3556.9	S ADECUADO	1.918		19.18	4145.7
	TERRAPLEN	3.087		30.08	3956.3	VEGETAL	1.486		14.80	3262.7
2180.000	FIRME	1.639		16.39	3573.3	S ADECUADO	1.917		19.17	4164.9
	TERRAPLEN	3.249		31.68	3988.0	VEGETAL	1.498		14.92	3277.7
2190.000	FIRME	1.639		16.39	3589.7	S ADECUADO	1.917		19.17	4184.1
	TERRAPLEN	3.412		33.30	4021.3	VEGETAL	1.510		15.04	3292.7
2200.000	FIRME	1.639		16.39	3606.1	S ADECUADO	1.918		19.17	4203.3
	TERRAPLEN	3.575		34.93	4056.2	VEGETAL	1.522		15.16	3307.9
2210.000	FIRME	1.639		16.39	3622.5	S ADECUADO	1.917		19.17	4222.4
	TERRAPLEN	3.740		36.58	4092.8	VEGETAL	1.534		15.28	3323.1
2220.000	FIRME	1.639		16.39	3638.9	S ADECUADO	1.917		19.17	4241.6
	TERRAPLEN	3.906		38.23	4131.0	VEGETAL	1.546		15.40	3338.5
2230.000	FIRME	1.639		16.39	3655.3	S ADECUADO	1.918		19.17	4260.8
	TERRAPLEN	4.073		39.90	4170.9	VEGETAL	1.558		15.52	3354.1
2240.000	FIRME	1.639		16.39	3671.6	S ADECUADO	1.917		19.17	4280.0
	TERRAPLEN	4.242		41.57	4212.5	VEGETAL	1.570		15.64	3369.7
2250.000	FIRME	1.639		16.39	3688.0	S ADECUADO	1.917		19.17	4299.1
	TERRAPLEN	4.411		43.26	4255.8	VEGETAL	1.582		15.76	3385.5
2260.000	FIRME	1.639		16.39	3704.4	S ADECUADO	1.918		19.18	4318.3
	TERRAPLEN	4.582		44.97	4300.7	VEGETAL	1.594		15.88	3401.3
2270.000	FIRME	1.639		16.39	3720.8	S ADECUADO	1.917		19.18	4337.5
	TERRAPLEN	4.754		46.68	4347.4	VEGETAL	1.606		16.00	3417.3

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 16
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * cubicacion segun distancias compensadas * * *										
=====										
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
=====										
2280.000	FIRME	1.639		16.39	3737.2	S ADECUADO	1.917		19.17	4356.7
	TERRAPLEN	4.927		48.41	4395.8	VEGETAL	1.618		16.12	3433.5
2290.000	FIRME	1.639		16.39	3753.6	S ADECUADO	1.918		19.18	4375.8
	TERRAPLEN	5.287		51.07	4446.9	VEGETAL	1.643		16.30	3449.8
2300.000	FIRME	1.639		16.39	3770.0	S ADECUADO	1.917		19.18	4395.0
	TERRAPLEN	5.294		52.90	4499.8	VEGETAL	1.644		16.43	3466.2
2310.000	FIRME	1.639		16.39	3786.4	S ADECUADO	1.917		19.17	4414.2
	TERRAPLEN	5.463		53.78	4553.6	VEGETAL	1.656		16.50	3482.7
2320.000	FIRME	1.639		16.39	3802.8	S ADECUADO	1.918		19.18	4433.4
	TERRAPLEN	5.637		55.50	4609.1	VEGETAL	1.667		16.61	3499.3
2330.000	FIRME	1.639		16.39	3819.2	S ADECUADO	1.917		19.18	4452.5
	TERRAPLEN	5.815		57.26	4666.4	VEGETAL	1.679		16.73	3516.0
2340.000	FIRME	1.639		16.39	3835.6	S ADECUADO	1.917		19.17	4471.7
	TERRAPLEN	5.995		59.05	4725.4	VEGETAL	1.691		16.85	3532.9
2350.000	FIRME	1.639		16.39	3852.0	S ADECUADO	1.918		19.18	4490.9
	TERRAPLEN	6.173		60.84	4786.2	VEGETAL	1.702		16.96	3549.9
2360.000	FIRME	1.639		16.39	3868.3	S ADECUADO	1.917		19.18	4510.1
	TERRAPLEN	6.356		62.64	4848.9	VEGETAL	1.714		17.08	3566.9
2370.000	FIRME	1.639		16.39	3884.7	S ADECUADO	1.917		19.17	4529.2
	TERRAPLEN	6.540		64.48	4913.4	VEGETAL	1.726		17.20	3584.1
2380.000	FIRME	1.639		16.39	3901.1	S ADECUADO	1.918		19.18	4548.4
	TERRAPLEN	6.725		66.32	4979.7	VEGETAL	1.738		17.32	3601.5
2390.000	FIRME	1.639		16.39	3917.5	S ADECUADO	1.918		19.18	4567.6
	TERRAPLEN	6.911		68.18	5047.9	VEGETAL	1.750		17.44	3618.9
2400.000	FIRME	1.639		16.39	3933.9	S ADECUADO	1.918		19.18	4586.8
	TERRAPLEN	7.079		69.95	5117.8	VEGETAL	1.761		17.55	3636.5
2410.000	FIRME	1.639		16.39	3950.3	S ADECUADO	1.917		19.17	4605.9
	TERRAPLEN	7.176		71.27	5189.1	VEGETAL	1.768		17.64	3654.1
2420.000	FIRME	1.639		16.39	3966.7	S ADECUADO	1.917		19.17	4625.1
	TERRAPLEN	7.246		72.11	5261.2	VEGETAL	1.771		17.70	3671.8
2430.000	FIRME	1.639		16.39	3983.1	S ADECUADO	1.917		19.17	4644.3
	TERRAPLEN	7.054		71.50	5332.7	VEGETAL	1.760		17.66	3689.5
2440.000	FIRME	1.639		16.39	3999.5	S ADECUADO	1.917		19.17	4663.4
	TERRAPLEN	7.036		70.45	5403.1	VEGETAL	1.758		17.59	3707.0
2450.000	FIRME	1.639		16.39	4015.9	S ADECUADO	1.918		19.18	4682.6
	TERRAPLEN	6.845		69.41	5472.6	VEGETAL	1.746		17.52	3724.6
2460.000	FIRME	1.639		16.39	4032.3	S ADECUADO	1.918		19.18	4701.8
	TERRAPLEN	6.674		67.60	5540.2	VEGETAL	1.734		17.40	3742.0

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 17
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2470.000	FIRME	1.639	16.39	4048.6		S ADECUADO	1.917	19.17	4721.0	
	TERRAPLEN	6.497	65.86	5606.0		VEGETAL	1.723	17.29	3759.2	
2480.000	FIRME	1.639	16.39	4065.0		S ADECUADO	1.918	19.17	4740.1	
	TERRAPLEN	6.325	64.11	5670.1		VEGETAL	1.712	17.17	3776.4	
2490.000	FIRME	1.639	16.39	4081.4		S ADECUADO	1.918	19.18	4759.3	
	TERRAPLEN	6.138	62.31	5732.4		VEGETAL	1.700	17.06	3793.5	
2500.000	FIRME	1.639	16.39	4097.8		S ADECUADO	1.917	19.17	4778.5	
	TERRAPLEN	5.954	60.46	5792.9		VEGETAL	1.688	16.94	3810.4	
2510.000	FIRME	1.639	16.39	4114.2		S ADECUADO	1.918	19.17	4797.7	
	TERRAPLEN	5.777	58.65	5851.5		VEGETAL	1.676	16.82	3827.2	
2520.000	FIRME	1.639	16.39	4130.6		S ADECUADO	1.918	19.18	4816.8	
	TERRAPLEN	5.618	56.97	5908.5		VEGETAL	1.665	16.70	3843.9	
2530.000	FIRME	1.639	16.39	4147.0		S ADECUADO	1.917	19.17	4836.0	
	TERRAPLEN	5.224	54.21	5962.7		VEGETAL	1.638	16.52	3860.4	
2540.000	FIRME	1.639	16.39	4163.4		S ADECUADO	1.918	19.17	4855.2	
	TERRAPLEN	5.117	51.70	6014.4		VEGETAL	1.631	16.35	3876.8	
2550.000	FIRME	1.639	16.39	4179.8		S ADECUADO	1.918	19.18	4874.4	
	TERRAPLEN	4.874	49.96	6064.4		VEGETAL	1.614	16.23	3893.0	
2560.000	FIRME	1.639	16.39	4196.2		S ADECUADO	1.917	19.17	4893.6	
	TERRAPLEN	4.702	47.88	6112.3		VEGETAL	1.602	16.08	3909.1	
2570.000	FIRME	1.639	16.39	4212.6		S ADECUADO	1.918	19.17	4912.7	
	TERRAPLEN	12.153	84.27	6196.5		VEGETAL	2.061	18.32	3927.4	
2580.000	FIRME	1.639	16.39	4228.9		S ADECUADO	1.918	19.18	4931.9	
	TERRAPLEN	4.555	83.54	6280.1		VEGETAL	1.593	18.27	3945.7	
2590.000	FIRME	1.639	16.39	4245.3		S ADECUADO	1.917	19.17	4951.1	
	TERRAPLEN	6.940	57.47	6337.6		VEGETAL	1.751	16.72	3962.4	
2600.000	FIRME	1.639	16.39	4261.7		S ADECUADO	1.918	19.17	4970.3	
	TERRAPLEN	4.197	55.69	6393.2		VEGETAL	1.567	16.59	3979.0	
2610.000	FIRME	1.639	16.39	4278.1		S ADECUADO	1.918	19.18	4989.4	
	TERRAPLEN	4.050	41.24	6434.5		VEGETAL	1.557	15.62	3994.6	
2620.000	FIRME	1.639	16.39	4294.5		S ADECUADO	1.917	19.18	5008.6	
	TERRAPLEN	3.930	39.90	6474.4		VEGETAL	1.548	15.52	4010.1	
2630.000	FIRME	1.639	16.39	4310.9		S ADECUADO	1.918	19.18	5027.8	
	TERRAPLEN	3.525	37.27	6511.7		VEGETAL	1.518	15.33	4025.5	
2640.000	FIRME	1.639	16.39	4327.3		S ADECUADO	1.918	19.18	5047.0	
	TERRAPLEN	3.697	36.11	6547.8		VEGETAL	1.531	15.25	4040.7	
2650.000	FIRME	1.639	16.39	4343.7		S ADECUADO	1.917	19.18	5066.1	
	TERRAPLEN	3.498	35.98	6583.7		VEGETAL	1.516	15.23	4056.0	

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 18
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

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2850.000	FIRME	1.639	16.39	4671.5	S ADECUADO	1.914	19.15	5449.6
	TERRAPLEN	1.409	16.76	7103.9	VEGETAL	1.355	13.77	4345.5
2860.000	FIRME	1.639	16.39	4687.9	S ADECUADO	1.910	19.12	5468.7
	TERRAPLEN	1.189	12.99	7116.9	VEGETAL	1.337	13.46	4359.0
2870.000	FIRME	1.639	16.39	4704.3	S ADECUADO	1.917	19.14	5487.9
	TERRAPLEN	2.061	16.25	7133.1	VEGETAL	1.408	13.72	4372.7
2880.000	FIRME	1.639	16.39	4720.7	S ADECUADO	1.883	19.00	5506.9
	TERRAPLEN	0.560	13.10	7146.2	VEGETAL	1.281	13.45	4386.1
2884.228	FIRME	1.639	6.93	4727.6	S ADECUADO	1.882	7.96	5514.8
	TERRAPLEN	0.548	2.34	7148.6	VEGETAL	1.281	5.42	4391.6
2890.000	FIRME	1.639	9.46	4737.1	S ADECUADO	1.880	10.85	5525.7
	TERRAPLEN	0.516	3.02	7151.6	VEGETAL	1.278	7.37	4398.9
2900.000	FIRME	1.639	16.39	4753.5	D TIERRA	0.019	0.11	3041.4
	S ADECUADO	1.854	18.63	5544.3	TERRAPLEN	0.248	3.70	7155.3
	VEGETAL	1.251	12.60	4411.5				
2907.212	FIRME	1.639	11.82	4765.3	D TIERRA	0.076	0.40	3041.8
	S ADECUADO	1.832	13.25	5557.6	TERRAPLEN	0.110	1.20	7156.5
	VEGETAL	1.232	8.91	4420.4				
2910.000	FIRME	1.639	4.57	4769.8	D TIERRA	0.092	0.24	3042.0
	S ADECUADO	1.827	5.10	5562.7	TERRAPLEN	0.072	0.25	7156.8
	VEGETAL	1.226	3.43	4423.9				
2920.000	FIRME	1.639	16.39	4786.2	D TIERRA	0.165	1.29	3043.3
	S ADECUADO	1.810	18.18	5580.8	TERRAPLEN	0.002	0.37	7157.1
	VEGETAL	1.212	12.19	4436.1				
2930.000	FIRME	1.639	16.39	4802.6	D TIERRA	0.382	2.74	3046.0
	S ADECUADO	1.888	18.49	5599.3	TERRAPLEN	0.037	0.19	7157.3
	VEGETAL	1.406	13.09	4449.1				
2940.000	FIRME	1.639	16.39	4819.0	D TIERRA	0.296	3.39	3049.4
	S ADECUADO	1.897	18.92	5618.2	TERRAPLEN	0.037	0.37	7157.7
	VEGETAL	1.413	14.10	4463.2				
2950.000	FIRME	1.639	16.39	4835.4	D TIERRA	0.090	1.93	3051.4
	S ADECUADO	1.830	18.64	5636.9	TERRAPLEN	0.114	0.75	7158.4
	VEGETAL	1.230	13.22	4476.5				
2960.000	FIRME	1.639	16.39	4851.8	D TIERRA	0.082	0.86	3052.2
	S ADECUADO	1.836	18.33	5655.2	TERRAPLEN	0.184	1.49	7159.9
	VEGETAL	1.238	12.34	4488.8				

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 20
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
2962.069	FIRME	1.639	3.39	4855.2	D TIERRA	0.221	0.31	3052.5
	S ADECUADO	1.908	3.87	5659.1	TERRAPLEN	0.061	0.25	7160.2
	VEGETAL	1.425	2.76	4491.6				
2970.000	FIRME	1.639	13.00	4868.2	D TIERRA	1.452	6.53	3059.1
	S ADECUADO	1.957	15.29	5674.4	TERRAPLEN	0.046	0.40	7160.6
	VEGETAL	1.636	12.02	4503.6				
2975.770	FIRME	1.639	9.46	4877.6	D TIERRA	3.390	13.90	3073.0
	S ADECUADO	1.957	11.29	5685.7	TERRAPLEN	0.041	0.25	7160.8
	VEGETAL	1.738	9.72	4513.3				

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 21
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****								
MATERIAL		VOLUMEN						
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FIRME		4877.6						
D TIERRA		3073.0						
S ADECUADO		5685.7						
TERRAPLEN		7160.8						
VEGETAL		4513.3						

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 1
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL VOL. PARCIAL VOL. ACUMUL.
0.000	FIRME	9.271	0.00	0.0	S ADECUADO	9.540	0.00	0.0
	TERRAPLEN	172.870	0.00	0.0	VEGETAL	11.227	0.00	0.0
10.000	FIRME	4.541	66.00	66.0	S ADECUADO	4.816	68.63	68.6
	TERRAPLEN	97.409	1275.67	1275.7	VEGETAL	7.157	87.34	87.3
20.000	FIRME	3.060	37.37	103.4	S ADECUADO	3.339	40.10	108.7
	TERRAPLEN	78.941	867.70	2143.4	VEGETAL	5.934	64.44	151.8
30.000	FIRME	2.785	28.99	132.4	S ADECUADO	3.064	31.76	140.5
	TERRAPLEN	72.887	753.87	2897.2	VEGETAL	5.639	57.46	209.3
40.000	FIRME	2.589	26.75	159.1	S ADECUADO	2.868	29.53	170.0
	TERRAPLEN	66.006	691.73	3589.0	VEGETAL	5.342	54.69	263.9
50.000	FIRME	2.457	25.18	184.3	S ADECUADO	2.735	27.96	198.0
	TERRAPLEN	58.615	621.96	4210.9	VEGETAL	5.038	51.81	315.8
60.000	FIRME	2.399	24.27	208.6	S ADECUADO	2.677	27.05	225.0
	TERRAPLEN	52.157	553.51	4764.4	VEGETAL	4.783	49.08	364.8
70.000	FIRME	2.341	23.70	232.3	S ADECUADO	2.618	26.48	251.5
	TERRAPLEN	46.023	490.76	5255.2	VEGETAL	4.525	46.53	411.4
80.000	FIRME	2.250	22.96	255.2	S ADECUADO	2.528	25.73	277.2
	TERRAPLEN	39.995	429.97	5685.2	VEGETAL	4.254	43.89	455.3
90.000	FIRME	2.161	22.05	277.3	S ADECUADO	2.439	24.84	302.1

	TERRAPLEN	34.348	371.64	6056.8	VEGETAL	3.978	41.15	496.4
100.000	FIRME	2.071	21.16	298.4	S ADECUADO	2.349	23.94	326.0
	TERRAPLEN	28.900	316.20	6373.0	VEGETAL	3.687	38.32	534.7
110.000	FIRME	1.981	20.26	318.7	S ADECUADO	2.259	23.04	349.0
	TERRAPLEN	23.974	264.36	6637.4	VEGETAL	3.406	35.46	570.2
120.000	FIRME	1.980	19.81	338.5	S ADECUADO	2.260	22.59	371.6
	TERRAPLEN	19.980	219.77	6857.1	VEGETAL	3.194	33.00	603.2
130.000	FIRME	2.059	20.20	358.7	S ADECUADO	2.338	22.99	394.6
	TERRAPLEN	16.852	184.16	7041.3	VEGETAL	3.051	31.22	634.4
140.000	FIRME	2.138	20.98	379.7	S ADECUADO	2.416	23.77	418.4
	TERRAPLEN	14.222	155.38	7196.7	VEGETAL	2.939	29.95	664.4
150.000	FIRME	2.216	21.77	401.4	S ADECUADO	2.494	24.55	442.9
	TERRAPLEN	11.843	130.32	7327.0	VEGETAL	2.842	28.90	693.3
160.000	FIRME	2.294	22.55	424.0	S ADECUADO	2.572	25.33	468.3
	TERRAPLEN	9.567	107.03	7434.0	VEGETAL	2.744	27.93	721.2
170.000	FIRME	2.372	23.33	447.3	S ADECUADO	2.651	26.12	494.4
	TERRAPLEN	7.837	86.98	7521.0	VEGETAL	2.679	27.11	748.3
180.000	FIRME	2.374	23.73	471.0	S ADECUADO	2.653	26.52	520.9
	TERRAPLEN	6.478	71.50	7592.5	VEGETAL	2.585	26.31	774.6

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 2
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.
190.000	FIRME	2.349		23.61	494.7	S ADECUADO	2.627		26.40 547.3
	TERRAPLEN	4.715		55.87	7648.4	VEGETAL	2.450		25.16 799.8
200.000	FIRME	2.270		23.10	517.8	S ADECUADO	2.548		25.88 573.2
	TERRAPLEN	3.073		38.86	7687.2	VEGETAL	2.273		23.60 823.4
210.000	FIRME	2.192		22.31	540.1	S ADECUADO	2.456		25.02 598.2
	TERRAPLEN	1.824		24.44	7711.7	VEGETAL	2.116		21.94 845.3
220.000	FIRME	2.114		21.53	561.6	S ADECUADO	2.355		24.05 622.3
	TERRAPLEN	1.191		15.05	7726.7	VEGETAL	2.001		20.58 865.9
230.000	FIRME	2.036		20.75	582.3	S ADECUADO	2.261		23.08 645.3
	TERRAPLEN	0.883		10.35	7737.1	VEGETAL	1.910		19.55 885.4
240.000	FIRME	1.957		19.97	602.3	S ADECUADO	2.179		22.20 667.5
	TERRAPLEN	0.754		8.18	7745.3	VEGETAL	1.845		18.78 904.2
250.000	FIRME	1.939		19.48	621.8	S ADECUADO	2.199		21.89 689.4
	TERRAPLEN	1.517		11.36	7756.6	VEGETAL	1.896		18.71 922.9
260.000	FIRME	1.938		19.39	641.2	S ADECUADO	2.160		21.79 711.2
	TERRAPLEN	0.766		11.42	7768.0	VEGETAL	1.827		18.61 941.5
270.000	FIRME	1.939		19.39	660.6	D TIERRA	0.005		0.03 0.0
	S ADECUADO	2.148		21.54	732.7	TERRAPLEN	0.658		7.12 7775.2
	VEGETAL	1.812		18.20	959.7				
280.000	FIRME	1.939		19.39	680.0	D TIERRA	0.000		0.03 0.1
	S ADECUADO	2.169		21.58	754.3	TERRAPLEN	0.956		8.07 7783.2
	VEGETAL	1.842		18.27	978.0				
290.000	FIRME	1.939		19.39	699.4	S ADECUADO	2.190		21.80 776.1
	TERRAPLEN	1.361		11.59	7794.8	VEGETAL	1.881		18.62 996.6
300.000	FIRME	1.939		19.39	718.7	S ADECUADO	2.199		21.95 798.1
	TERRAPLEN	1.583		14.72	7809.5	VEGETAL	1.902		18.92 1015.5
310.000	FIRME	1.938		19.39	738.1	S ADECUADO	2.206		22.02 820.1
	TERRAPLEN	1.851		17.17	7826.7	VEGETAL	1.926		19.14 1034.7
320.000	FIRME	1.939		19.39	757.5	S ADECUADO	2.211		22.08 842.2
	TERRAPLEN	2.065		19.58	7846.3	VEGETAL	1.947		19.37 1054.0
330.000	FIRME	1.939		19.39	776.9	S ADECUADO	2.216		22.13 864.3
	TERRAPLEN	2.474		22.69	7869.0	VEGETAL	1.982		19.65 1073.7
340.000	FIRME	1.939		19.39	796.3	S ADECUADO	2.217		22.17 886.5
	TERRAPLEN	2.760		26.17	7895.1	VEGETAL	2.006		19.94 1093.6
350.000	FIRME	1.939		19.39	815.7	S ADECUADO	2.218		22.17 908.7
	TERRAPLEN	3.042		29.01	7924.2	VEGETAL	2.030		20.18 1113.8
360.000	FIRME	1.939		19.39	835.1	S ADECUADO	2.218		22.18 930.8
	TERRAPLEN	3.312		31.77	7955.9	VEGETAL	2.053		20.42 1134.2

480.000	TERRAPLEN	1.643	23.44	8356.6	VEGETAL	1.908	19.70	1363.6
	FIRME	1.939	19.39	1067.8	S ADECUADO	2.214	22.09	1196.7
490.000	TERRAPLEN	2.116	18.80	8375.4	VEGETAL	1.952	19.30	1382.9
	FIRME	1.939	19.39	1087.2	S ADECUADO	2.218	22.16	1218.9
500.000	TERRAPLEN	4.966	35.41	8410.8	VEGETAL	2.181	20.66	1403.6
	FIRME	1.939	19.39	1106.6	S ADECUADO	2.217	22.18	1241.1
510.000	TERRAPLEN	4.980	49.73	8460.5	VEGETAL	2.188	21.85	1425.4
	FIRME	1.939	19.39	1126.0	S ADECUADO	2.217	22.17	1263.2
520.000	TERRAPLEN	4.809	48.94	8509.4	VEGETAL	2.175	21.81	1447.2
	FIRME	1.939	19.39	1145.3	S ADECUADO	2.218	22.17	1285.4
530.000	TERRAPLEN	4.241	45.25	8554.7	VEGETAL	2.129	21.52	1468.7
	FIRME	1.939	19.39	1164.7	S ADECUADO	2.217	22.17	1307.6
540.000	TERRAPLEN	3.900	40.70	8595.4	VEGETAL	2.102	21.15	1489.9
	FIRME	1.939	19.39	1184.1	S ADECUADO	2.217	22.17	1329.8
550.000	TERRAPLEN	4.891	43.96	8639.4	VEGETAL	2.158	21.30	1511.2
	FIRME	1.939	19.39	1203.5	S ADECUADO	2.218	22.17	1351.9
	TERRAPLEN	4.587	47.39	8686.7	VEGETAL	2.095	21.26	1532.5

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 4
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
560.000	FIRME	1.938	19.39	1222.9	S ADECUADO	2.217	22.18	1374.1	
	TERRAPLEN	3.867	42.27	8729.0	VEGETAL	2.037	20.66	1553.1	
570.000	FIRME	1.939	19.39	1242.3	S ADECUADO	2.217	22.17	1396.3	
	TERRAPLEN	3.957	39.12	8768.1	VEGETAL	2.099	20.68	1573.8	
580.000	FIRME	1.939	19.39	1261.7	S ADECUADO	2.218	22.17	1418.5	
	TERRAPLEN	3.538	37.47	8805.6	VEGETAL	2.069	20.84	1594.6	
590.000	FIRME	1.938	19.39	1281.1	S ADECUADO	2.217	22.18	1440.6	
	TERRAPLEN	3.117	33.28	8838.9	VEGETAL	2.036	20.53	1615.2	
600.000	FIRME	1.939	19.39	1300.5	S ADECUADO	2.217	22.17	1462.8	
	TERRAPLEN	2.614	28.66	8867.5	VEGETAL	1.993	20.15	1635.3	
610.000	FIRME	1.939	19.39	1319.9	S ADECUADO	2.218	22.17	1485.0	
	TERRAPLEN	2.377	24.96	8892.5	VEGETAL	1.973	19.83	1655.1	
620.000	FIRME	1.938	19.39	1339.2	S ADECUADO	2.216	22.17	1507.1	
	TERRAPLEN	2.145	22.61	8915.1	VEGETAL	1.953	19.63	1674.8	
630.000	FIRME	1.939	19.39	1358.6	S ADECUADO	2.212	22.14	1529.3	
	TERRAPLEN	1.848	19.97	8935.1	VEGETAL	1.926	19.40	1694.2	
640.000	FIRME	1.939	19.39	1378.0	S ADECUADO	2.184	21.98	1551.3	
	TERRAPLEN	1.075	14.61	8949.7	VEGETAL	1.853	18.90	1713.1	
650.000	FIRME	1.939	19.39	1397.4	D TIERRA	0.207	1.03	1.1	
	S ADECUADO	2.188	21.86	1573.1	TERRAPLEN	0.077	5.76	8955.5	
	VEGETAL	2.010	19.32	1732.4					
660.000	FIRME	1.939	19.39	1416.8	D TIERRA	0.145	1.76	2.8	
	S ADECUADO	2.195	21.91	1595.0	TERRAPLEN	0.169	1.23	8956.7	
	VEGETAL	2.017	20.14	1752.5					
670.000	FIRME	1.939	19.39	1436.2	D TIERRA	0.000	0.73	3.6	
	S ADECUADO	2.189	21.92	1617.0	TERRAPLEN	1.174	6.71	8963.4	
	VEGETAL	1.864	19.41	1771.9					
680.000	FIRME	1.939	19.39	1455.6	S ADECUADO	2.218	22.03	1639.0	
	TERRAPLEN	2.404	17.89	8981.3	VEGETAL	1.975	19.19	1791.1	
690.000	FIRME	1.939	19.39	1475.0	S ADECUADO	2.217	22.17	1661.2	
	TERRAPLEN	2.339	23.72	9005.0	VEGETAL	1.970	19.73	1810.9	
700.000	FIRME	1.939	19.39	1494.4	S ADECUADO	2.217	22.17	1683.3	
	TERRAPLEN	2.312	23.25	9028.3	VEGETAL	1.964	19.67	1830.5	
710.000	FIRME	1.939	19.39	1513.8	S ADECUADO	2.216	22.17	1705.5	
	TERRAPLEN	1.966	21.39	9049.6	VEGETAL	1.939	19.52	1850.0	
720.000	FIRME	1.939	19.39	1533.2	S ADECUADO	2.209	22.12	1727.6	
	TERRAPLEN	1.680	18.23	9067.9	VEGETAL	1.911	19.25	1869.3	

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 5
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
730.000	FIRME	1.939	19.39	1552.5	S ADECUADO	2.200	22.05	1749.7	
	TERRAPLEN	1.401	15.40	9083.3	VEGETAL	1.885	18.98	1888.3	
740.000	FIRME	1.939	19.39	1571.9	S ADECUADO	2.201	22.01	1771.7	
	TERRAPLEN	1.420	14.11	9097.4	VEGETAL	1.887	18.86	1907.1	
750.000	FIRME	1.939	19.39	1591.3	S ADECUADO	2.199	22.00	1793.7	
	TERRAPLEN	1.407	14.14	9111.5	VEGETAL	1.884	18.86	1926.0	
760.000	FIRME	1.939	19.39	1610.7	S ADECUADO	2.199	21.99	1815.7	
	TERRAPLEN	1.359	13.83	9125.3	VEGETAL	1.882	18.83	1944.8	
770.000	FIRME	1.939	19.39	1630.1	S ADECUADO	2.205	22.02	1837.7	
	TERRAPLEN	1.579	14.69	9140.0	VEGETAL	1.902	18.92	1963.7	
780.000	FIRME	1.938	19.39	1649.5	S ADECUADO	2.210	22.08	1859.8	
	TERRAPLEN	1.791	16.85	9156.9	VEGETAL	1.921	19.11	1982.8	
790.000	FIRME	1.938	19.38	1668.9	S ADECUADO	2.211	22.10	1881.9	
	TERRAPLEN	1.811	18.01	9174.9	VEGETAL	1.923	19.22	2002.1	
800.000	FIRME	1.939	19.39	1688.3	S ADECUADO	2.212	22.12	1904.0	
	TERRAPLEN	1.877	18.44	9193.3	VEGETAL	1.929	19.26	2021.3	
810.000	FIRME	1.939	19.39	1707.7	S ADECUADO	2.214	22.13	1926.1	
	TERRAPLEN	1.943	19.10	9212.4	VEGETAL	1.935	19.32	2040.6	
820.000	FIRME	1.939	19.39	1727.1	S ADECUADO	2.214	22.14	1948.3	
	TERRAPLEN	2.073	20.08	9232.5	VEGETAL	1.946	19.40	2060.0	
830.000	FIRME	1.939	19.39	1746.4	S ADECUADO	2.217	22.16	1970.4	
	TERRAPLEN	2.371	22.22	9254.7	VEGETAL	1.972	19.59	2079.6	
840.000	FIRME	1.939	19.39	1765.8	S ADECUADO	2.217	22.17	1992.6	
	TERRAPLEN	2.533	24.52	9279.3	VEGETAL	1.986	19.79	2099.4	

850.000	FIRME	1.938	19.39	1785.2	S ADECUADO	2.218	22.17	2014.8
	TERRAPLEN	2.622	25.78	9305.0	VEGETAL	1.995	19.91	2119.3
860.000	FIRME	1.939	19.39	1804.6	S ADECUADO	2.217	22.17	2036.9
	TERRAPLEN	2.599	26.11	9331.1	VEGETAL	1.992	19.93	2139.3
870.000	FIRME	1.939	19.39	1824.0	S ADECUADO	2.216	22.16	2059.1
	TERRAPLEN	2.325	24.62	9355.8	VEGETAL	1.969	19.81	2159.1
880.000	FIRME	1.938	19.39	1843.4	S ADECUADO	2.217	22.16	2081.3
	TERRAPLEN	2.571	24.48	9380.2	VEGETAL	1.990	19.80	2178.9
890.000	FIRME	1.939	19.39	1862.8	S ADECUADO	2.218	22.17	2103.4
	TERRAPLEN	3.267	29.19	9409.4	VEGETAL	2.049	20.20	2199.1
900.000	FIRME	1.939	19.39	1882.2	S ADECUADO	2.218	22.18	2125.6
	TERRAPLEN	4.137	37.02	9446.4	VEGETAL	2.120	20.85	2219.9
910.000	FIRME	1.938	19.39	1901.6	S ADECUADO	2.217	22.18	2147.8
	TERRAPLEN	4.886	45.11	9491.6	VEGETAL	2.181	21.51	2241.4

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 6
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
920.000	FIRME	1.939	19.39	1921.0	S ADECUADO	2.218	22.18	2170.0	
	TERRAPLEN	5.252	50.69	9542.2	VEGETAL	2.211	21.96	2263.4	
930.000	FIRME	1.939	19.39	1940.3	S ADECUADO	2.218	22.18	2192.1	
	TERRAPLEN	5.539	53.95	9596.2	VEGETAL	2.233	22.22	2285.6	
940.000	FIRME	1.938	19.39	1959.7	S ADECUADO	2.217	22.18	2214.3	
	TERRAPLEN	5.887	57.13	9653.3	VEGETAL	2.259	22.46	2308.1	
950.000	FIRME	1.939	19.39	1979.1	S ADECUADO	2.217	22.17	2236.5	
	TERRAPLEN	6.079	59.83	9713.1	VEGETAL	2.266	22.63	2330.7	
960.000	FIRME	1.939	19.39	1998.5	S ADECUADO	2.218	22.18	2258.7	
	TERRAPLEN	5.978	60.28	9773.4	VEGETAL	2.267	22.67	2353.4	
970.000	FIRME	1.939	19.39	2017.9	S ADECUADO	2.217	22.17	2280.8	
	TERRAPLEN	5.842	59.10	9832.5	VEGETAL	2.256	22.62	2376.0	
980.000	FIRME	1.939	19.39	2037.3	S ADECUADO	2.218	22.17	2303.0	
	TERRAPLEN	5.685	57.63	9890.2	VEGETAL	2.244	22.50	2398.5	
990.000	FIRME	1.939	19.39	2056.7	S ADECUADO	2.218	22.18	2325.2	
	TERRAPLEN	4.982	53.34	9943.5	VEGETAL	2.189	22.16	2420.6	
1000.000	FIRME	1.939	19.39	2076.1	S ADECUADO	2.217	22.17	2347.4	
	TERRAPLEN	3.997	44.90	9988.4	VEGETAL	2.110	21.49	2442.1	
1010.000	FIRME	1.939	19.39	2095.5	S ADECUADO	2.216	22.17	2369.5	
	TERRAPLEN	2.510	32.54	10020.9	VEGETAL	1.986	20.48	2462.6	
1020.000	FIRME	1.939	19.39	2114.9	S ADECUADO	2.194	22.05	2391.6	
	TERRAPLEN	1.353	19.31	10040.3	VEGETAL	1.883	19.35	2482.0	
1030.000	FIRME	1.939	19.39	2134.3	S ADECUADO	2.176	21.85	2413.4	
	TERRAPLEN	0.868	11.11	10051.4	VEGETAL	1.849	18.66	2500.6	
1040.000	FIRME	1.939	19.39	2153.6	D TIERRA	0.172	0.86	4.4	
	S ADECUADO	2.224	22.00	2435.4	TERRAPLEN	0.531	7.00	10058.4	
	VEGETAL	2.073	19.61	2520.2					
	FIRME	1.939	19.39	2173.0	D TIERRA	1.098	6.35	10.8	
1050.000	S ADECUADO	2.258	22.41	2457.8	TERRAPLEN	0.081	3.06	10061.4	
	VEGETAL	2.288	21.80	2542.0					
1060.000	FIRME	1.939	19.39	2192.4	D TIERRA	1.891	14.94	25.7	
	S ADECUADO	2.257	22.58	2480.4	TERRAPLEN	0.065	0.73	10062.1	
	VEGETAL	2.336	23.12	2565.2					
	FIRME	1.939	19.39	2211.8	D TIERRA	2.203	20.47	46.2	
1070.000	S ADECUADO	2.258	22.58	2503.0	TERRAPLEN	0.063	0.64	10062.8	
	VEGETAL	2.353	23.45	2588.6					

	TERRAPLEN	2.792	25.59	10156.9	VEGETAL	2.009	19.89	2830.1
1190.000	FIRME	1.939	19.39	2444.5	S ADECUADO	2.218	22.18	2771.3
	TERRAPLEN	2.693	27.43	10184.4	VEGETAL	2.000	20.05	2850.2
1200.000	FIRME	1.939	19.39	2463.9	S ADECUADO	2.217	22.17	2793.5
	TERRAPLEN	2.283	24.88	10209.3	VEGETAL	1.965	19.82	2870.0
1210.000	FIRME	1.938	19.39	2483.3	S ADECUADO	2.215	22.16	2815.6
	TERRAPLEN	2.078	21.81	10231.1	VEGETAL	1.945	19.55	2889.5
1220.000	FIRME	1.939	19.39	2502.7	S ADECUADO	2.212	22.13	2837.8
	TERRAPLEN	1.789	19.34	10250.4	VEGETAL	1.921	19.33	2908.9

Istram 18.05.05.29 13/07/18 10:34:35 459 pagina 8
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1230.000	FIRME	1.939	19.39	2522.1	S ADECUADO	2.207	22.10	2859.9		
	TERRAPLEN	1.629	17.09	10267.5	VEGETAL	1.904	19.12	2928.0		
1240.000	FIRME	1.938	19.39	2541.4	S ADECUADO	2.188	21.98	2881.8		
	TERRAPLEN	1.157	13.93	10281.4	VEGETAL	1.860	18.82	2946.8		
1250.000	FIRME	1.939	19.39	2560.8	S ADECUADO	2.146	21.67	2903.5		
	TERRAPLEN	0.426	7.92	10289.3	VEGETAL	1.801	18.31	2965.1		
1260.000	FIRME	1.939	19.39	2580.2	D TIERRA	0.198	0.99	216.9		
	S ADECUADO	2.197	21.72	2925.2	TERRAPLEN	0.177	3.02	10292.4		
	VEGETAL	1.996	18.99	2984.1						
1270.000	FIRME	1.938	19.39	2599.6	D TIERRA	1.188	6.93	223.8		
	S ADECUADO	2.258	22.27	2947.5	TERRAPLEN	0.086	1.32	10293.7		
	VEGETAL	2.284	21.40	3005.5						
1280.000	FIRME	1.939	19.39	2619.0	D TIERRA	0.039	6.13	230.0		
	S ADECUADO	2.118	21.88	2969.4	TERRAPLEN	0.085	0.86	10294.5		
	VEGETAL	1.772	20.28	3025.8						
1290.000	FIRME	1.939	19.39	2638.4	D TIERRA	0.025	0.32	230.3		
	S ADECUADO	2.144	21.31	2990.7	TERRAPLEN	0.417	2.51	10297.0		
	VEGETAL	1.808	17.90	3043.7						
1300.000	FIRME	1.939	19.39	2657.8	D TIERRA	0.018	0.22	230.5		
	S ADECUADO	2.149	21.46	3012.1	TERRAPLEN	0.624	5.20	10302.2		
	VEGETAL	1.817	18.13	3061.8						
1310.000	FIRME	1.939	19.39	2677.2	D TIERRA	0.002	0.10	230.6		
	S ADECUADO	2.155	21.52	3033.7	TERRAPLEN	0.870	7.47	10309.7		
	VEGETAL	1.828	18.23	3080.0						
1320.000	FIRME	1.939	19.39	2696.6	D TIERRA	0.000	0.01	230.6		
	S ADECUADO	2.159	21.57	3055.2	TERRAPLEN	0.796	8.33	10318.0		
	VEGETAL	1.826	18.27	3098.3						
1330.000	FIRME	1.939	19.39	2716.0	D TIERRA	0.031	0.16	230.8		
	S ADECUADO	2.131	21.45	3076.7	TERRAPLEN	0.341	5.69	10323.7		
	VEGETAL	1.788	18.07	3116.4						
1340.000	FIRME	1.939	19.39	2735.4	D TIERRA	0.087	0.59	231.4		
	S ADECUADO	2.092	21.11	3097.8	TERRAPLEN	0.013	1.77	10325.5		
	VEGETAL	1.747	17.68	3134.1						
1350.000	FIRME	1.939	19.39	2754.7	D TIERRA	0.181	1.34	232.7		
	S ADECUADO	2.172	21.32	3119.1	TERRAPLEN	0.070	0.42	10325.9		
	VEGETAL	1.988	18.68	3152.7						

Istram 18.05.05.29 13/07/18 10:34:36 459 pagina 9
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1360.000	FIRME	1.939	19.39	2774.1	D TIERRA	0.234	2.07	234.8		
	S ADECUADO	2.258	22.15	3141.3	TERRAPLEN	0.127	0.99	10326.9		
	VEGETAL	2.234	21.11	3173.9						
1370.000	FIRME	1.939	19.39	2793.5	D TIERRA	0.547	3.90	238.7		
	S ADECUADO	2.257	22.57	3163.8	TERRAPLEN	0.106	1.16	10328.1		
	VEGETAL	2.251	22.43	3196.3						
1380.000	FIRME	1.939	19.39	2812.9	D TIERRA	0.835	6.91	245.6		
	S ADECUADO	2.258	22.57	3186.4	TERRAPLEN	0.096	1.01	10329.1		
	VEGETAL	2.263	22.57	3218.9						
1390.000	FIRME	1.939	19.39	2832.3	D TIERRA	0.934	8.84	254.4		
	S ADECUADO	2.258	22.58	3209.0	TERRAPLEN	0.092	0.94	10330.0		
	VEGETAL	2.269	22.66	3241.5						
1400.000	FIRME	1.939	19.39	2851.7	D TIERRA	1.049	9.92	264.4		
	S ADECUADO	2.257	22.57	3231.6	TERRAPLEN	0.085	0.89	10330.9		
	VEGETAL	2.280	22.74	3264.3						
1410.000	FIRME	1.939	19.39	2871.1	D TIERRA	2.529	17.89	282.2		
	S ADECUADO	2.258	22.57	3254.1	TERRAPLEN	0.062	0.73	10331.6		
	VEGETAL	2.365	23.22	3287.5						
1420.000	FIRME	1.939	19.39	2890.5	D TIERRA	2.360	24.44	306.7		
	S ADECUADO	2.257	22.58	3276.7	TERRAPLEN	0.062	0.62	10332.2		
	VEGETAL	2.349	23.57	3311.1						
1430.000	FIRME	1.939	19.39	2909.9	D TIERRA	1.669	20.14	326.8		
	S ADECUADO	2.258	22.58	3299.3	TERRAPLEN	0.065	0.64	10332.9		
	VEGETAL	2.333	23.41	3334.5						
1440.000	FIRME	1.939	19.39	2929.3	D TIERRA	2.460	20.65	347.5		
	S ADECUADO	2.258	22.58	3321.9	TERRAPLEN	0.062	0.64	10333.5		
	VEGETAL	2.369	23.51	3358.0						
1449.095	FIRME	1.939	17.64	2946.9	D TIERRA	3.350	26.42	373.9		
	S ADECUADO	2.257	20.53	3342.4	TERRAPLEN	0.062	0.57	10334.1		
	VEGETAL	2.415	21.76	3379.7						

Istram 18.05.05.29 13/07/18 10:34:36 459 pagina 10
PROYECTO :

EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
FIRME	2946.9
D TIERRA	373.9
S ADECUADO	3342.4
TERRAPLEN	10334.1
VEGETAL	3379.7

Istram 18.05.05.29 17/01/19 18:26:51 1880

PROYECTO :

EJE: 61: V微 de servicio Izq. P.K. 117+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	FIRME	21.831	0.00	0.0	D TIERRA	47.922	0.00	0.0		
	SUELO EST2	9.339	0.00	0.0	SUELO EST1	9.459	0.00	0.0		
	TERRAPLEN	0.040	0.00	0.0	VEGETAL	8.044	0.00	0.0		
5.496	FIRME	13.253	96.41	96.4	D TIERRA	23.689	196.79	196.8		
	SUELO EST2	5.510	40.81	40.8	SUELO EST1	5.630	41.47	41.5		
	TERRAPLEN	0.021	0.17	0.2	EXCAVA SANEO	8.454	23.23	23.2		
	TERRAP SANEO	8.454	23.23	23.2	VEGETAL	4.861	35.46	35.5		
10.000	FIRME	10.119	50.87	147.3	D TIERRA	15.854	85.58	282.4		
	SUELO EST2	4.211	21.20	62.0	SUELO EST1	4.331	21.72	63.2		
	TERRAPLEN	0.006	0.06	0.2	EXCAVA SANEO	0.020	18.71	41.9		
	TERRAP SANEO	0.020	18.71	41.9	VEGETAL	3.661	18.48	53.9		
20.000	FIRME	8.954	92.07	239.4	D TIERRA	13.661	139.09	421.5		
	SUELO EST2	3.713	38.42	100.4	SUELO EST1	3.832	39.58	102.8		
	TERRAPLEN	0.020	0.08	0.3	EXCAVA SANEO	0.000	0.06	42.0		
	TERRAP SANEO	0.000	0.06	42.0	VEGETAL	3.285	33.14	87.1		
30.000	FIRME	8.569	86.47	325.8	D TIERRA	13.582	130.02	551.5		
	SUELO EST2	3.537	35.88	136.3	SUELO EST1	3.657	37.06	139.8		
	TERRAPLEN	0.020	0.13	0.4	VEGETAL	3.168	31.36	118.4		
40.000	FIRME	7.929	81.59	407.4	D TIERRA	12.621	124.33	675.8		
	SUELO EST2	3.231	33.57	169.9	SUELO EST1	3.349	34.75	174.6		
	TERRAPLEN	0.020	0.13	0.6	VEGETAL	2.941	29.69	148.1		
42.458	FIRME	7.747	19.07	426.5	D TIERRA	12.262	29.00	704.8		
	SUELO EST2	3.149	7.79	177.7	SUELO EST1	3.267	8.08	182.6		
	TERRAPLEN	0.020	0.03	0.6	VEGETAL	2.872	6.95	155.1		
50.000	FIRME	7.688	58.21	484.7	D TIERRA	11.786	90.69	795.5		
	SUELO EST2	3.137	23.70	201.4	SUELO EST1	3.256	24.60	207.2		
	TERRAPLEN	0.020	0.15	0.8	VEGETAL	2.841	21.54	176.6		
60.000	FIRME	7.619	76.53	561.2	D TIERRA	10.954	113.70	909.2		
	SUELO EST2	3.127	31.32	232.7	SUELO EST1	3.248	32.52	239.8		
	TERRAPLEN	0.007	0.13	0.9	EXCAVA SANEO	0.021	0.11	42.1		
	TERRAP SANEO	0.021	0.11	42.1	VEGETAL	2.789	28.15	204.8		
70.000	FIRME	7.001	73.10	634.3	D TIERRA	9.286	101.20	1010.4		
	SUELO EST2	2.909	30.18	262.9	SUELO EST1	3.029	31.38	271.1		
	TERRAPLEN	0.000	0.03	0.9	EXCAVA SANEO	0.000	0.11	42.2		
	TERRAP SANEO	0.000	0.11	42.2	VEGETAL	2.476	26.32	231.1		
80.000	FIRME	7.007	70.04	704.4	D TIERRA	8.931	91.08	1101.5		
	SUELO EST2	2.940	29.25	292.1	SUELO EST1	3.060	30.45	301.6		
	VEGETAL	2.500	24.88	256.0						

Istram 18.05.05.29 17/01/19 18:26:51 1880

PROYECTO :

EJE: 61: V微 de servicio Izq. P.K. 117+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
90.000	FIRME	6.990		69.98	774.3	D TIERRA	8.522		87.27	1188.7
	SUELO EST2	2.958		29.49	321.6	SUELO EST1	3.078		30.69	332.3
	VEGETAL	2.515		25.07	281.1					
100.000	FIRME	7.008		69.99	844.3	D TIERRA	8.147		83.35	1272.1
	SUELO EST2	2.984		29.71	351.3	SUELO EST1	3.105		30.91	363.2
	VEGETAL	2.536		25.25	306.3					
110.000	FIRME	7.104		70.56	914.9	D TIERRA	3.499		58.23	1330.3
	SUELO EST2	3.330		31.57	382.9	SUELO EST1	3.409		32.57	395.8
	VEGETAL	2.764		26.50	332.8					
120.000	FIRME	7.105		71.05	985.9	D TIERRA	2.810		31.55	1361.9
	SUELO EST2	3.399		33.65	416.5	SUELO EST1	3.439		34.24	430.0
	VEGETAL	2.799		27.82	360.6					
130.000	FIRME	7.104		71.05	1057.0	D TIERRA	2.379		25.95	1387.8
	SUELO EST2	3.440		34.19	450.7	SUELO EST1	3.451		34.45	464.4
	VEGETAL	2.819		28.09	388.7					
140.000	FIRME	7.105		71.04	1128.0	D TIERRA	2.363		23.71	1411.5
	SUELO EST2	3.442		34.41	485.1	SUELO EST1	3.452		34.52	499.0
	VEGETAL	2.819		28.19	416.9					
150.000	FIRME	7.105		71.05	1199.1	D TIERRA	2.755		25.59	1437.1
	SUELO EST2	3.404		34.23	519.4	SUELO EST1	3.445		34.49	533.5
	VEGETAL	2.801		28.10	445.0					
160.000	FIRME	7.104		71.04	1270.1	D TIERRA	0.558		16.56	1453.7
	SUELO EST2	3.602		35.03	554.4	SUELO EST1	3.463		34.54	568.0
	TERRAPLEN	0.237		1.18	2.1	VEGETAL	2.912		28.57	473.6
170.000	FIRME	7.105		71.04	1341.2	D TIERRA	2.311		14.34	1468.0
	SUELO EST2	3.447		35.24	589.6	SUELO EST1	3.457		34.60	602.6
	TERRAPLEN	0.000		1.18	3.3	VEGETAL	2.822		28.67	502.2
180.000	FIRME	7.105		71.05	1412.2	D TIERRA	4.132		32.21	1500.2
	SUELO EST2	3.266		33.57	623.2	SUELO EST1	3.376		34.16	636.8

190.000	VEGETAL	2.732	27.77	530.0				
	FIRME	7.095	71.00	1483.2	D TIERRA	5.849	49.91	1550.1
	SUELO EST2	3.117	31.92	655.1	SUELO EST1	3.237	33.06	669.8
200.000	VEGETAL	2.642	26.87	556.9				
	FIRME	7.028	70.61	1553.8	D TIERRA	7.505	66.77	1616.9
	SUELO EST2	3.005	30.61	685.7	SUELO EST1	3.125	31.81	701.6
	VEGETAL	2.552	25.97	582.9				

Istram 18.05.05.29 17/01/19 18:26:51 1880
PROYECTO :
EJE: 61: V de servicio Izq. P.K. 117+800

pagina 3

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
210.000	FIRME	6.824	69.26	1623.1	D TIERRA	9.059	82.82	1699.7
	SUELO EST2	2.848	29.27	715.0	SUELO EST1	2.969	30.47	732.1
	VEGETAL	2.427	24.89	607.8				
220.000	FIRME	8.040	74.32	1697.4	D TIERRA	12.743	109.01	1808.7
	SUELO EST2	3.243	30.46	745.5	SUELO EST1	3.363	31.66	763.8
	TERRAPLEN	0.039	0.20	3.5	VEGETAL	3.036	27.32	635.1
230.000	FIRME	7.945	79.93	1777.3	D TIERRA	14.002	133.72	1942.5
	SUELO EST2	3.208	32.25	777.7	SUELO EST1	3.328	33.45	797.2
	TERRAPLEN	0.036	0.38	3.9	VEGETAL	3.004	30.20	665.3
240.000	FIRME	6.898	74.21	1851.5	D TIERRA	12.973	134.88	2077.3
	SUELO EST2	2.805	30.06	807.8	SUELO EST1	2.925	31.27	828.5
	TERRAPLEN	0.020	0.28	4.1	VEGETAL	2.570	27.87	693.1
250.000	FIRME	8.040	74.69	1926.2	D TIERRA	19.665	163.19	2240.5
	SUELO EST2	3.243	30.24	838.0	SUELO EST1	3.363	31.44	859.9
	TERRAPLEN	0.042	0.31	4.5	VEGETAL	3.475	30.23	723.4
260.000	FIRME	8.040	80.40	2006.6	D TIERRA	23.721	216.93	2457.5
	SUELO EST2	3.243	32.43	870.4	SUELO EST1	3.363	33.63	893.5
	TERRAPLEN	0.039	0.40	4.9	VEGETAL	3.479	34.77	758.1
270.000	FIRME	8.040	80.40	2087.0	D TIERRA	28.288	260.04	2717.5
	SUELO EST2	3.243	32.43	902.9	SUELO EST1	3.363	33.63	927.2
	TERRAPLEN	0.040	0.39	5.3	VEGETAL	3.481	34.80	792.9
280.000	FIRME	8.040	80.40	2167.4	D TIERRA	29.726	290.07	3007.6
	SUELO EST2	3.243	32.43	935.3	SUELO EST1	3.363	33.63	960.8
	TERRAPLEN	0.040	0.40	5.7	VEGETAL	3.454	34.67	827.6
290.000	FIRME	7.336	76.88	2244.3	D TIERRA	32.771	312.49	3320.1
	SUELO EST2	2.986	31.14	966.4	SUELO EST1	3.106	32.35	993.2
	TERRAPLEN	0.019	0.29	5.9	VEGETAL	3.039	32.46	860.1
300.000	FIRME	8.105	77.20	2321.5	D TIERRA	35.768	342.69	3662.8
	SUELO EST2	3.237	31.12	997.6	SUELO EST1	3.357	32.32	1025.5
	TERRAPLEN	0.039	0.29	6.2	VEGETAL	3.364	32.02	892.1
310.000	FIRME	8.153	81.29	2402.8	D TIERRA	37.329	365.49	4028.2
	SUELO EST2	3.233	32.35	1029.9	SUELO EST1	3.353	33.55	1059.0
	TERRAPLEN	0.039	0.39	6.6	VEGETAL	3.335	33.49	925.6
320.000	FIRME	8.152	81.53	2484.3	D TIERRA	39.127	382.28	4410.5
	SUELO EST2	3.233	32.33	1062.2	SUELO EST1	3.353	33.53	1092.6
	TERRAPLEN	0.031	0.35	7.0	VEGETAL	3.334	33.34	958.9

Istram 18.05.05.29 17/01/19 18:26:51 1880
PROYECTO :
EJE: 61: V de servicio Izq. P.K. 117+800

pagina 4

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * cubicacion segun distancias compensadas * * * *****								
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
330.000	FIRME	8.211	81.82	2566.2	D TIERRA	40.399	397.63	4808.2
	SUELO EST2	3.225	32.29	1094.5	SUELO EST1	3.345	33.49	1126.0
	TERRAPLEN	0.034	0.33	7.3	VEGETAL	3.429	33.81	992.7
337.925	FIRME	8.262	65.28	2631.4	D TIERRA	41.432	324.26	5132.4
	SUELO EST2	3.219	25.54	1120.1	SUELO EST1	3.338	26.48	1152.5
	TERRAPLEN	0.031	0.25	7.6	VEGETAL	3.471	27.34	1020.1
340.000	FIRME	8.399	17.41	2648.8	D TIERRA	42.040	83.99	5216.4
	SUELO EST2	3.279	6.73	1126.8	SUELO EST1	3.398	6.98	1159.5
	TERRAPLEN	0.030	0.07	7.6	VEGETAL	3.507	7.23	1027.3
350.000	FIRME	9.053	87.90	2736.7	D TIERRA	44.696	423.52	5639.9
	SUELO EST2	3.572	34.20	1161.0	SUELO EST1	3.690	35.39	1194.9
	TERRAPLEN	0.035	0.34	8.0	VEGETAL	3.724	36.21	1063.5
360.000	FIRME	9.522	93.55	2830.3	D TIERRA	36.183	410.42	6050.3
	SUELO EST2	3.782	36.70	1197.7	SUELO EST1	3.899	37.88	1232.8
	TERRAPLEN	0.040	0.39	8.4	VEGETAL	3.843	38.29	1101.8
370.000	FIRME	8.463	89.64	2919.9	D TIERRA	12.526	249.60	6299.9
	SUELO EST2	3.469	36.01	1233.7	SUELO EST1	3.588	37.19	1270.0
	TERRAPLEN	0.020	0.27	8.6	VEGETAL	3.112	34.68	1136.5
378.988	FIRME	7.476	71.06	2991.0	D TIERRA	6.959	82.80	6382.7
	SUELO EST2	3.491	31.31	1265.0	SUELO EST1	3.482	31.64	1301.6
	TERRAPLEN	0.000	0.06	8.7	VEGETAL	2.881	26.61	1163.1
380.000	FIRME	7.858	7.76	2998.8	D TIERRA	8.939	8.04	6390.8
	SUELO EST2	3.320	3.45	1268.5	SUELO EST1	3.440	3.50	1305.1
	TERRAPLEN	0.020	0.01	8.7	VEGETAL	2.926	2.94	1166.0
390.000	FIRME	6.473	71.65	3070.4	D TIERRA	6.763	78.51	6469.3
	SUELO EST2	3.037	31.79	1300.3	SUELO EST1	2.997	32.19	1337.3
	TERRAPLEN	0.129	0.74	9.4	VEGETAL	2.554	27.40	1193.4
400.000	FIRME	5.742	61.07	3131.5	D TIERRA	7.292	70.27	6539.6
	SUELO EST2	2.774	29.05	1329.3	SUELO EST1	2.734	28.66	1366.0
	TERRAPLEN	0.352	2.40	11.8	VEGETAL	2.423	24.88	1218.3
410.000	FIRME	4.142	49.42	3180.9	D TIERRA	6.144	67.18	6606.8
	SUELO EST2	1.715	22.44	1351.8	SUELO EST1	1.835	22.85	1388.8
	TERRAPLEN	0.000	1.76	13.6	VEGETAL	1.521	19.72	1238.0
412.109	FIRME	3.288	7.84	3188.7	D TIERRA	4.961	11.71	6618.5
	SUELO EST2	1.285	3.16	1354.9	SUELO EST1	1.405	3.42	1392.2

VEGETAL 1.176 2.84 1240.9

Istram 18.05.05.29 17/01/19 18:26:51 1880
PROYECTO :
EJE: 61: V de servicio Izq. P.K. 117+800

pagina 5

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
-----	-----
FIRME	3188.7
D TIERRA	6618.5
SUELO EST2	1354.9
SUELO EST1	1392.2
TERRAPLEN	13.6
EXCAVA SANE0	42.2
TERRAP SANE0	42.2
VEGETAL	1240.9

DESBROCE CAMINOS

Istram 18.05.05.29 25/01/19 14:05:56 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 0

***** D E S B R O C E S *****									
PK inicial		:		0.000					
PK final		:		1026.452					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	PLANTA	REAL	PLANTA	REAL					
0.000	6.297	6.360	3.770	3.980	0.000	0.000	0.000	0.000	
10.000	8.492	8.661	0.797	0.894	73.944	22.832	75.105	24.371	
20.000	8.293	8.325	0.000	0.000	157.868	26.816	160.033	28.841	
30.000	3.329	3.332	4.400	4.404	215.977	48.814	218.318	50.859	
40.000	1.558	1.562	6.309	6.318	240.411	102.358	242.789	104.467	
50.000	3.818	3.829	4.486	4.511	267.295	156.333	269.747	158.615	
60.000	1.639	1.642	6.392	6.420	294.585	210.723	297.103	213.275	
70.000	0.864	0.867	6.740	6.761	307.101	276.387	309.645	279.184	
80.000	0.860	0.862	6.601	6.609	315.718	343.097	318.289	346.037	
90.000	0.803	0.804	6.408	6.408	324.035	408.142	326.619	411.124	
100.000	0.803	0.803	6.237	6.238	332.069	471.366	334.654	474.356	
110.000	0.800	0.800	6.071	6.072	340.086	532.908	342.672	535.903	
120.000	8.138	8.145	0.000	0.000	384.779	563.263	387.400	566.262	
130.000	8.714	8.727	0.000	0.000	469.039	563.263	471.761	566.262	
140.000	8.818	8.836	0.000	0.000	556.699	563.263	559.575	566.262	
150.000	4.814	4.827	3.113	3.115	624.856	578.826	627.891	581.835	
160.000	0.739	0.747	7.209	7.237	652.617	630.434	655.764	633.593	
170.000	0.800	0.800	8.381	8.381	660.311	708.381	663.500	711.682	
180.000	0.802	0.802	7.727	7.728	668.320	788.922	671.509	792.224	
187.077	0.802	0.802	6.938	6.938	673.994	840.815	677.183	844.118	
190.000	0.801	0.801	6.611	6.611	676.336	860.617	679.526	863.920	
200.000	0.803	0.804	6.224	6.224	684.361	924.791	687.551	928.099	
210.000	0.804	0.804	6.083	6.083	692.398	986.323	695.589	989.638	
220.000	3.205	3.205	4.168	4.168	712.441	1037.576	715.634	1040.897	
230.000	8.246	8.247	0.000	0.000	769.694	1058.415	772.893	1061.737	
240.000	8.586	8.587	0.000	0.000	853.854	1058.415	857.061	1061.737	
250.000	9.183	9.184	0.000	0.000	942.699	1058.415	945.913	1061.737	
260.000	9.443	9.445	0.000	0.000	1035.828	1058.415	1039.055	1061.737	
270.000	9.571	9.573	0.000	0.000	1130.895	1058.415	1134.141	1061.737	
280.000	10.125	10.125	0.000	0.000	1229.373	1058.415	1232.628	1061.737	
290.000	10.163	10.163	0.000	0.000	1330.813	1058.415	1334.069	1061.737	
300.000	10.083	10.083	0.000	0.000	1432.045	1058.415	1435.300	1061.737	
310.000	10.289	11.115	0.000	0.000	1533.907	1058.415	1541.292	1061.737	
320.000	4.230	4.274	4.992	5.044	1606.506	1083.376	1618.239	1086.957	
330.000	12.480	12.717	0.000	0.000	1690.056	1108.338	1703.193	1112.177	
340.000	8.596	8.600	0.000	0.000	1795.433	1108.338	1809.776	1112.177	
350.000	5.687	5.698	2.294	2.298	1866.846	1119.807	1881.266	1123.669	

Istram 18.05.05.29 25/01/19 14:05:56 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 1

***** D E S B R O C E S *****									
PK inicial		:		0.000					
PK final		:		1026.452					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	PLANTA	REAL	PLANTA	REAL			DESMONTE	TERRAPLEN	
360.000	0.797	0.798	7.114	7.125	1899.264	1166.848	1913.746	1170.785	
370.000	6.372	6.498	3.402	3.431	1935.106	1219.428	1950.223	1223.566	
380.000	10.286	10.424	0.000	0.000	2018.396	1236.436	2034.829	1240.721	
390.000	12.070	13.064	1.471	1.909	2130.177	1243.789	2152.265	1250.268	
400.000	12.328	12.372	0.000	0.000	2252.168	1251.142	2279.445	1259.815	
410.000	9.914	9.928	0.000	0.000	2363.379	1251.142	2390.947	1259.815	
420.000	0.814	0.816	7.250	7.270	2417.022	1287.392	2444.668	1296.164	
430.000	0.809	0.813	10.870	10.918	2425.138	1377.994	2452.816	1387.105	
440.000	0.812	0.815	11.837	11.856	2433.241	1491.530	2460.958	1500.979	
450.000	0.811	0.813	13.067	13.093	2441.355	1616.046	2469.098	1625.725	
453.298	0.816	0.817	13.193	13.215	2444.039	1659.348	2471.786	1669.106	
460.000	0.849	0.854	13.104	13.195	2449.620	1747.469	2477.389	1757.604	
470.000	0.812	0.812	11.707	11.711	2457.925	1871.525	2485.720	1882.132	
480.000	0.797	0.799	12.143	12.703	2465.970	1990.773	2493.773	2004.200	
490.000	0.820	0.826	7.563	7.602	2474.057	2089.300	2501.894	2105.725	
500.000	2.496	2.525	6.896	6.964	2490.639	2161.593	2518.649	2178.557	
502.113	0.794	0.802	7.578	7.653	2494.115	2176.886	2522.164	2194.000	
510.000	0.782	0.788	8.321	8.396	2500.330	2239.586	2528.435	2257.291	
520.000	0.794	0.798	9.232	9.272	2508.210	2327.350	2536.365	2345.633	
530.000	0.783	0.785	9.129	9.148	2516.094	2419.152	2544.281	2437.733	
540.000	0.793	0.794	9.728	9.742	2523.971	2513.438	2552.177	2532.185	
550.000	0.752	0.754	9.658	9.692	2531.692	2610.370	2559.917	2629.355	
560.000	0.790	0.792	7.806	7.917	2539.402	2697.689	2567.645	2717.399	
570.000	0.812	0.814	6.396	6.401	2547.414	2768.699	2575.670	2788.990	
580.000	1.803	1.804	5.815	5.816	2560.489	2829.754	2588.757	2850.075	
590.000	3.703	3.703	3.857	3.857	2588.020	2878.113	2616.293	2898.442	
600.000	8.422	8.423	0.000	0.000	2648.644	2897.397	2676.924	2917.729	
610.000	8.880	8.880	0.000	0.000	2735.152	2897.397	2763.441	2917.729	
620.000	9.454	9.455	0.000	0.000	2826.822	2897.397	2855.117	2917.729	
630.000	10.330	10.331	0.000	0.000	2925.742	2897.397	2954.043	2917.729	
640.000	11.551	11.552	0.000	0.000	3035.147	2897.397	3063.456	2917.729	
650.000	12.883	12.884	0.000	0.000	3157.318	2897.397	3185.637	2917.729	
660.000	14.510	14.512	0.000	0.000	3294.282	2897.397	3322.617	2917.729	
661.062	14.607	14.609	0.000	0.000	3309.742	2897.397	3338.080	2917.729	

670.000	15.808	15.811	0.000	0.000	3445.667	2897.397	3474.027
680.000	17.208	17.212	0.000	0.000	3610.744	2897.397	3639.137
690.000	19.613	19.616	0.000	0.000	3794.847	2897.397	3823.277

Istram 18.05.05.29 25/01/19 14:05:56 459
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

pagina 2

***** D E S B R O C E S *****									
PK inicial		:		0.000					
PK final		:		1026.452					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--					
700.000	21.605	21.611	0.000	0.000	4000.938	2897.397	4029.412	2917.729	
703.157	22.324	22.331	0.000	0.000	4070.280	2897.397	4098.774	2917.729	
710.000	23.961	23.972	0.000	0.000	4228.644	2897.397	4257.200	2917.729	
720.000	26.070	26.085	0.000	0.000	4478.798	2897.397	4507.487	2917.729	
730.000	27.482	27.550	0.000	0.000	4746.559	2897.397	4775.659	2917.729	
740.000	25.170	25.239	0.000	0.000	5009.820	2897.397	5039.600	2917.729	
750.000	19.329	19.428	0.000	0.000	5232.311	2897.397	5262.932	2917.729	
760.000	11.881	11.908	0.000	0.000	5388.360	2897.397	5419.613	2917.729	
770.000	0.843	0.845	9.579	9.633	5451.982	2945.293	5483.379	2965.893	
780.000	0.781	0.787	19.173	19.437	5460.101	3089.054	5491.539	3111.240	
790.000	0.812	0.812	22.121	22.127	5468.065	3295.525	5499.536	3319.056	
800.000	0.805	0.805	21.274	21.285	5476.150	3512.500	5507.623	3536.117	
810.000	0.799	0.800	20.868	20.873	5484.172	3723.208	5515.650	3746.907	
820.000	0.800	0.800	19.323	19.324	5492.166	3924.162	5523.649	3947.891	
830.000	0.805	0.805	18.220	18.221	5500.188	4111.877	5531.671	4135.618	
840.000	0.795	0.795	17.043	17.047	5508.185	4288.195	5539.669	4311.960	
850.000	0.795	0.795	15.860	15.865	5516.132	4452.715	5547.618	4476.521	
860.000	0.798	0.798	14.964	14.971	5524.094	4606.835	5555.581	4630.701	
870.000	0.801	0.801	13.959	13.959	5532.087	4751.447	5563.574	4775.352	
880.000	0.790	0.790	13.216	13.216	5540.040	4887.320	5571.527	4911.229	
890.000	0.802	0.802	13.212	13.216	5548.000	5019.458	5579.488	5043.387	
900.000	0.785	0.786	12.276	12.277	5555.939	5146.901	5587.428	5170.851	
910.000	0.804	0.804	11.920	11.920	5563.886	5267.880	5595.376	5291.838	
920.000	0.808	0.808	11.738	11.738	5571.944	5386.167	5603.436	5410.130	
930.000	0.803	0.803	11.580	11.580	5579.999	5502.756	5611.491	5526.720	
940.000	0.814	0.814	11.296	11.297	5588.083	5617.135	5619.576	5641.105	
942.871	0.812	0.812	11.235	11.236	5590.416	5649.478	5621.910	5673.452	
950.000	0.801	0.801	11.110	11.112	5596.163	5729.124	5627.657	5753.114	
960.000	0.787	0.788	10.923	10.926	5604.104	5839.288	5635.599	5863.305	
970.000	0.790	0.790	10.786	10.788	5611.991	5947.836	5643.487	5971.874	
974.204	0.789	0.789	10.726	10.728	5615.311	5993.056	5646.807	6017.100	
980.000	0.795	0.795	10.647	10.648	5619.902	6054.994	5651.399	6079.048	
990.000	0.795	0.795	10.539	10.541	5627.851	6160.923	5659.349	6184.995	
1000.000	0.797	0.797	10.455	10.457	5635.811	6265.897	5667.309	6289.989	
1004.443	0.795	0.795	10.383	10.385	5639.348	6312.190	5670.847	6336.291	
1010.000	0.775	0.777	10.153	10.166	5643.708	6369.249	5675.215	6393.391	
1020.000	9.386	9.386	0.000	0.000	5694.511	6420.014	5726.032	6444.214	

160.000	0.000	0.000	6.402	6.403	399.680	755.156	399.693	755.291
170.000	0.000	0.000	6.551	6.552	399.680	819.921	399.693	820.064
180.000	0.000	0.000	6.732	6.733	399.680	886.336	399.693	886.488
190.000	0.000	0.000	6.981	6.982	399.680	954.900	399.693	955.063
200.000	0.000	0.000	7.236	7.237	399.680	1025.983	399.693	1026.155
210.000	0.000	0.000	7.516	7.517	399.680	1099.739	399.693	1099.922
220.000	0.000	0.000	7.826	7.827	399.680	1176.448	399.693	1176.642
230.000	0.000	0.000	8.648	8.650	399.680	1258.817	399.693	1259.028
240.000	0.000	0.000	8.743	8.746	399.680	1345.771	399.693	1346.004
250.000	0.000	0.000	8.902	8.904	399.680	1433.997	399.693	1434.253
260.000	0.000	0.000	8.735	8.736	399.680	1522.183	399.693	1522.454
270.000	0.000	0.000	8.640	8.641	399.680	1609.058	399.693	1609.337
280.000	0.000	0.000	8.439	8.440	399.680	1694.455	399.693	1694.741
290.000	0.000	0.000	7.142	7.142	399.680	1772.361	399.693	1772.652
300.000	0.000	0.000	6.779	6.779	399.680	1841.963	399.693	1842.258
302.971	0.000	0.000	6.686	6.686	399.680	1861.965	399.693	1862.261
310.000	0.000	0.000	6.467	6.468	399.680	1908.191	399.693	1908.492
320.000	0.000	0.000	6.414	6.415	399.680	1972.598	399.693	1972.904
330.000	0.000	0.000	6.356	6.356	399.680	2036.448	399.693	2036.759
340.000	0.000	0.000	6.453	6.454	399.680	2100.494	399.693	2100.809
350.000	0.000	0.000	6.610	6.610	399.680	2165.810	399.693	2166.131

Istram 18.05.05.29 17/01/19 18:07:44 1880

PROYECTO :

EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2044.839						

1512.823	0.000	0.000	6.664	6.666	399.680	10870.940	399.693	10874.150
1520.000	0.000	0.000	6.720	6.725	399.680	10918.974	399.693	10922.207
1530.000	0.000	0.000	6.709	6.716	399.680	10986.126	399.693	10989.417
1540.000	0.000	0.000	6.508	6.517	399.680	11052.214	399.693	11055.586
1550.000	0.000	0.000	6.766	6.768	399.680	11118.587	399.693	11122.015
1560.000	0.000	0.000	7.936	7.940	399.680	11192.102	399.693	11195.560
1570.000	0.000	0.000	8.582	8.588	399.680	11274.701	399.693	11278.205
1580.000	0.000	0.000	9.015	9.017	399.680	11362.693	399.693	11366.232
1590.000	0.000	0.000	8.517	8.518	399.680	11450.358	399.693	11453.905
1600.000	0.000	0.000	8.660	8.660	399.680	11536.243	399.693	11539.791
1610.000	0.000	0.000	8.795	8.795	399.680	11623.514	399.693	11627.063
1620.000	0.000	0.000	8.759	8.759	399.680	11711.279	399.693	11714.831
1630.000	0.000	0.000	8.567	8.567	399.680	11797.906	399.693	11801.461
1640.000	0.000	0.000	7.056	7.056	399.680	11876.019	399.693	11879.578
1650.000	0.000	0.000	6.630	6.631	399.680	11944.450	399.693	11948.012
1660.000	0.000	0.000	6.786	6.788	399.680	12011.529	399.693	12015.104
1670.000	0.000	0.000	6.548	6.548	399.680	12078.195	399.693	12081.782
1680.000	0.000	0.000	6.458	6.458	399.680	12143.223	399.693	12146.810
1690.000	0.000	0.000	6.272	6.272	399.680	12206.872	399.693	12210.460
1700.000	0.000	0.000	6.483	6.483	399.680	12270.646	399.693	12274.234
1710.000	0.000	0.000	6.665	6.665	399.680	12336.383	399.693	12339.970
1720.000	0.000	0.000	6.951	6.952	399.680	12404.462	399.693	12408.053
1730.000	0.000	0.000	7.836	7.836	399.680	12478.400	399.693	12481.994
1740.000	0.000	0.000	8.185	8.185	399.680	12558.506	399.693	12562.100
1750.000	0.000	0.000	8.330	8.331	399.680	12641.083	399.693	12644.677
1760.000	0.000	0.000	8.331	8.331	399.680	12724.389	399.693	12727.983
1770.000	0.000	0.000	8.347	8.347	399.680	12807.775	399.693	12811.369
1780.000	0.000	0.000	8.205	8.205	399.680	12890.531	399.693	12894.126
1790.000	0.000	0.000	7.967	7.968	399.680	12971.391	399.693	12974.988

Istram 18.05.05.29 17/01/19 18:07:44 1880
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** DESBROCES *****									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2044.839						

P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----
1800.000	0.000	0.000	7.880	7.881	399.680	13050.626	399.693	13054.232	
1810.000	0.000	0.000	7.914	7.917	399.680	13129.597	399.693	13133.225	
1817.695	0.000	0.000	7.910	7.912	399.680	13190.484	399.693	13194.131	
1820.000	0.000	0.000	7.819	7.822	399.680	13208.511	399.693	13212.163	
1830.000	0.000	0.000	8.233	8.233	399.680	13288.439	399.693	13292.106	
1840.000	0.000	0.000	8.254	8.255	399.680	13370.617	399.693	13374.291	
1850.000	0.000	0.000	7.907	7.952	399.680	13450.749	399.693	13454.678	
1850.721	0.000	0.000	7.842	7.893	399.680	13456.347	399.693	13460.315	
1860.000	0.000	0.000	8.087	8.118	399.680	13530.248	399.693	13534.598	
1870.000	0.000	0.000	8.317	8.331	399.680	13612.268	399.693	13616.846	
1875.301	0.000	0.000	8.322	8.332	399.680	13656.371	399.693	13661.011	
1880.000	0.000	0.000	8.212	8.221	399.680	13695.676	399.693	13700.361	
1890.000	2.777	2.873	6.116	6.235	411.809	13769.367	412.255	13774.675	
1900.000	0.000	0.000	7.361	7.424	423.937	13839.106	424.816	13845.280	
1910.000	0.000	0.000	7.855	7.870	423.937	13916.552	424.816	13923.095	
1911.259	0.000	0.000	7.815	7.830	423.937	13926.561	424.816	13933.124	
1920.000	0.000	0.000	7.639	7.657	423.937	13994.103	424.816	14000.809	
1930.000	0.000	0.000	7.413	7.434	423.937	14069.364	424.816	14076.264	
1940.000	0.000	0.000	7.104	7.145	423.937	14141.947	424.816	14149.162	
1950.000	0.000	0.000	7.158	7.210	423.937	14213.257	424.816	14220.935	
1960.000	0.000	0.000	8.519	8.606	423.937	14291.643	424.816	14300.011	
1970.000	0.000	0.000	9.285	9.315	423.937	14380.662	424.816	14389.616	
1980.000	0.000	0.000	8.750	8.789	423.937	14470.838	424.816	14480.136	
1990.000	0.000	0.000	8.064	8.077	423.937	14554.911	424.816	14564.464	
2000.000	0.000	0.000	8.090	8.090	423.937	14635.685	424.816	14645.300	
2002.998	0.000	0.000	8.027	8.027	423.937	14659.845	424.816	14669.461	
2010.000	0.000	0.000	7.880	7.880	423.937	14715.538	424.816	14725.153	
2020.000	0.000	0.000	7.670	7.670	423.937	14793.291	424.816	14802.906	
2027.518	0.000	0.000	7.614	7.614	423.937	14850.744	424.816	14860.360	
2030.000	0.000	0.000	7.705	7.705	423.937	14869.754	424.816	14879.370	
2040.000	0.000	0.000	12.008	12.008	423.937	14968.315	424.816	14977.931	
2044.839	0.000	0.000	27.942	27.943	423.937	15064.974	424.816	15074.591	

Istram 18.05.05.29 17/01/19 18:07:45 1880
PROYECTO :
EJE: 64: Camino paralelo Izq. P.K. 102+800

***** DESBROCES *****									
* * * cubicacion segun distancias compensadas * * *									
=====									
PK inicial	:	0.000							
PK final	:	670.241							
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	8.414	8.433	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.000	8.354	8.364	0.000	0.000	83.842	0.000	83.984	0.000	0.000
20.000	8.271	8.288	0.000	0.000	166.967	0.000	167.243	0.000	0.000
27.981	8.186	8.211	0.000	0.000	232.639	0.000	233.081	0.000	0.000
30.000	8.172	8.195	0.000	0.000	249.181	0.000	249.668	0.000	0.000
40.000	6.777	6.794	0.629	0.642	324.493	2.995	325.172	3.057	0.000
50.000	3.710	3.716	3.816	3.831	378.148	24.622	378.943	24.818	0.000
60.000	0.000	0.000	6.868	6.873	397.422	77.505	398.251	77.797	0.000

pagina 6

70.000	0.000	0.000	7.220	7.221	397.422	147.794	398.251	148.116
80.000	1.111	1.113	6.335	6.342	403.299	215.368	404.134	215.734
83.095	0.000	0.000	6.426	6.434	405.118	235.034	405.955	235.424
90.000	0.000	0.000	6.812	6.822	405.118	280.743	405.955	281.196
100.000	0.000	0.000	7.139	7.147	405.118	350.505	405.955	351.051
110.000	0.000	0.000	7.203	7.205	405.118	422.222	405.955	422.815
120.000	0.000	0.000	7.118	7.119	405.118	493.829	405.955	494.437
130.000	0.000	0.000	7.134	7.137	405.118	565.092	405.955	565.722
140.000	0.000	0.000	7.220	7.223	405.118	636.867	405.955	637.524
150.000	0.000	0.000	7.213	7.217	405.118	709.038	405.955	709.725
160.000	0.000	0.000	7.221	7.225	405.118	781.213	405.955	781.940
170.000	0.000	0.000	7.370	7.375	405.118	854.173	405.955	854.948
180.000	0.000	0.000	7.423	7.427	405.118	928.141	405.955	928.968
190.000	0.000	0.000	7.424	7.428	405.118	1002.381	405.955	1003.249
200.000	0.000	0.000	6.318	6.318	405.118	1071.094	405.955	1071.980
210.000	0.000	0.000	7.385	7.387	405.118	1139.611	405.955	1140.507
220.000	0.000	0.000	7.381	7.381	405.118	1213.445	405.955	1214.351
230.000	0.000	0.000	7.268	7.268	405.118	1286.691	405.955	1287.599
240.000	0.000	0.000	7.271	7.271	405.118	1359.385	405.955	1360.294
250.000	0.000	0.000	7.165	7.165	405.118	1431.563	405.955	1432.473
260.000	0.000	0.000	7.259	7.259	405.118	1503.681	405.955	1504.594
270.000	0.000	0.000	7.494	7.495	405.118	1577.448	405.955	1578.364
280.000	0.000	0.000	7.577	7.577	405.118	1652.806	405.955	1653.726
290.000	0.000	0.000	7.609	7.609	405.118	1728.736	405.955	1729.660
300.000	0.000	0.000	7.652	7.652	405.118	1805.041	405.955	1805.968
310.000	0.000	0.000	7.336	7.338	405.118	1879.982	405.955	1880.923
320.000	0.000	0.000	7.096	7.099	405.118	1952.144	405.955	1953.111
330.000	0.000	0.000	6.848	6.871	405.118	2021.870	405.955	2022.967
340.000	0.000	0.000	6.576	6.597	405.118	2088.998	405.955	2090.317

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60.000	0.000	0.000	7.686	7.687	247.563	218.948	247.866	219.002
70.000	0.000	0.000	8.153	8.153	247.563	298.144	247.866	298.204
80.000	0.000	0.000	8.404	8.405	247.563	380.929	247.866	380.995
90.000	0.000	0.000	8.721	8.721	247.563	466.555	247.866	466.625
100.000	0.000	0.000	8.806	8.807	247.563	554.191	247.866	554.265
110.000	0.000	0.000	8.746	8.746	247.563	641.953	247.866	642.031
119.016	0.000	0.000	8.744	8.744	247.563	720.799	247.866	720.879
120.000	0.000	0.000	8.752	8.752	247.563	729.407	247.866	729.487
130.000	0.000	0.000	8.799	8.799	247.563	817.161	247.866	817.244
140.000	0.000	0.000	8.706	8.706	247.563	904.686	247.866	904.771
150.000	0.000	0.000	8.911	8.911	247.563	992.769	247.866	992.855
160.000	0.000	0.000	8.831	8.831	247.563	1081.475	247.866	1081.563
170.000	0.000	0.000	8.695	8.695	247.563	1169.103	247.866	1169.191
180.000	0.000	0.000	8.578	8.579	247.563	1255.466	247.866	1255.558
190.000	0.000	0.000	8.421	8.422	247.563	1340.455	247.866	1340.559
200.000	0.000	0.000	8.650	8.664	247.563	1425.798	247.866	1425.979
210.000	0.000	0.000	9.622	9.640	247.563	1517.153	247.866	1517.490
220.000	0.000	0.000	7.876	8.191	247.563	1604.629	247.866	1606.623
230.000	0.000	0.000	7.164	7.169	247.563	1679.808	247.866	1683.397
240.000	0.000	0.000	6.492	6.493	247.563	1748.084	247.866	1751.703
250.000	0.000	0.000	6.269	6.269	247.563	1811.884	247.866	1815.515
260.000	0.000	0.000	6.345	6.345	247.563	1874.950	247.866	1878.588
270.000	0.000	0.000	6.619	6.620	247.563	1939.768	247.866	1943.411
280.000	0.000	0.000	6.995	6.995	247.563	2007.836	247.866	2011.483
290.000	0.000	0.000	6.581	6.593	247.563	2075.710	247.866	2079.420
300.000	0.000	0.000	6.692	6.698	247.563	2142.068	247.866	2145.871
310.000	0.000	0.000	7.151	7.155	247.563	2211.273	247.866	2215.133
320.000	0.000	0.000	7.507	7.510	247.563	2284.552	247.866	2288.451
330.000	0.000	0.000	6.894	6.904	247.563	2356.546	247.866	2360.510
340.000	0.000	0.000	6.460	6.463	247.563	2423.307	247.866	2427.334
350.000	0.000	0.000	6.892	6.894	247.563	2490.064	247.866	2494.113

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 2

* * * D E S B R O C E S * * *								
* * * cubicacion segun distancias compensadas * * *								

PK inicial : 0.000								
PK final : 2975.770								

ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA				SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	PLANTA--	REAL--	PLANTA--	REAL--				
360.000	0.000	0.000	6.723	6.723	247.563	2558.140	247.866	2562.197
370.000	0.000	0.000	6.307	6.307	247.563	2623.289	247.866	2627.348
380.000	0.000	0.000	6.451	6.452	247.563	2687.075	247.866	2691.141
390.000	0.000	0.000	6.867	6.868	247.563	2753.661	247.866	2757.735
400.000	0.000	0.000	6.682	6.682	247.563	2821.402	247.866	2825.480
410.000	2.177	2.177	4.879	4.879	258.462	2879.198	258.766	2883.278
420.000	0.000	0.000	6.432	6.433	269.361	2935.745	269.667	2939.831
430.000	0.000	0.000	6.869	6.869	269.361	3002.246	269.667	3006.340
440.000	0.000	0.000	6.937	6.938	269.361	3071.273	269.667	3075.374
450.000	0.000	0.000	7.278	7.279	269.361	3142.344	269.667	3146.454
460.000	0.000	0.000	7.592	7.593	269.361	3216.691	269.667	3220.810
470.000	0.000	0.000	7.345	7.346	269.361	3291.376	269.667	3295.504
480.000	0.000	0.000	7.199	7.199	269.361	3364.095	269.667	3368.228
490.000	0.000	0.000	7.216	7.216	269.361	3436.172	269.667	3440.305
500.000	0.000	0.000	6.771	6.771	269.361	3506.106	269.667	3510.241
510.000	0.000	0.000	6.304	6.306	269.361	3571.477	269.667	3575.623
520.000	0.000	0.000	6.234	6.236	269.361	3634.162	269.667	3638.325
530.000	0.000	0.000	6.216	6.219	269.361	3696.408	269.667	3700.592
540.000	0.000	0.000	6.394	6.398	269.361	3759.456	269.667	3763.672
550.000	0.000	0.000	6.802	6.810	269.361	3825.430	269.667	3829.705
552.667	0.000	0.000	6.983	6.987	269.361	3843.811	269.667	3848.102
560.000	0.000	0.000	7.107	7.109	269.361	3895.471	269.667	3899.786
570.000	0.000	0.000	7.069	7.072	269.361	3966.353	269.667	3970.694
580.000	0.000	0.000	6.929	6.934	269.361	4036.346	269.667	4040.725
590.000	0.000	0.000	6.993	6.995	269.361	4105.956	269.667	4110.369
600.000	0.000	0.000	7.278	7.279	269.361	4177.309	269.667	4181.737
610.000	0.000	0.000	7.193	7.194	269.361	4249.662	269.667	4254.103
620.000	0.000	0.000	6.973	6.975	269.361	4320.490	269.667	4324.947
630.000	0.000	0.000	7.273	7.274	269.361	4391.720	269.667	4396.191
640.000	0.000	0.000	6.994	6.996	269.361	4463.057	269.667	4467.540
650.000	0.000	0.000	6.721	6.723	269.361	4531.635	269.667	4536.132
660.000	0.000	0.000	6.387	6.389	269.361	4597.178	269.667	4601.690
670.000	0.000	0.000	6.517	6.523	269.361	4661.698	269.667	4666.250
680.000	0.000	0.000	7.016	7.021	269.361	4729.360	269.667	4733.971
690.000	0.000	0.000	7.056	7.058	269.361	4799.721	269.667	4804.368
700.000	0.000	0.000	7.056	7.063	269.361	4870.285	269.667	4874.973
710.000	0.000	0.000	7.450	7.463	269.361	4942.816	269.667	4947.600

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 3

* * * D E S B R O C E S * * *									
* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	2975.770						

		ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL	
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--					
720.000	0.000	0.000	7.677	7.693	269.361	5018.452	269.667	5023.376	
730.000	0.000	0.000	8.454	8.471	269.361	5099.109	269.667	5104.193	

740.000	0.000	0.000	8.370	8.381	269.361	5183.227	269.667	5188.453
750.000	0.000	0.000	8.052	8.059	269.361	5265.338	269.667	5270.654
760.000	0.000	0.000	7.456	7.467	269.361	5342.882	269.667	5348.284
770.000	0.000	0.000	6.835	6.843	269.361	5414.340	269.667	5419.834
780.000	0.000	0.000	6.986	6.992	269.361	5483.445	269.667	5489.006
790.000	0.000	0.000	6.545	6.546	269.361	5551.099	269.667	5556.692
800.000	0.000	0.000	6.628	6.630	269.361	5616.965	269.667	5622.568
810.000	0.000	0.000	6.807	6.808	269.361	5684.139	269.667	5689.759
820.000	0.000	0.000	6.831	6.835	269.361	5752.327	269.667	5757.974
830.000	0.000	0.000	7.069	7.075	269.361	5821.829	269.667	5827.520
840.000	0.000	0.000	7.447	7.453	269.361	5894.410	269.667	5900.157
850.000	0.000	0.000	7.787	7.795	269.361	5970.578	269.667	5976.394
860.000	0.000	0.000	7.201	7.212	269.361	6045.517	269.667	6051.425
870.000	0.000	0.000	7.102	7.108	269.361	6117.029	269.667	6123.025
877.302	0.000	0.000	6.752	6.758	269.361	6167.609	269.667	6173.653
880.000	0.000	0.000	6.620	6.626	269.361	6185.649	269.667	6191.710
890.000	1.417	1.418	5.864	5.867	276.443	6248.070	276.753	6254.181
900.000	8.267	8.271	0.000	0.000	324.856	6277.390	325.193	6283.520
910.000	8.644	8.663	0.000	0.000	409.404	6277.390	409.858	6283.520
920.000	6.830	6.853	0.740	0.742	486.760	6281.092	487.424	6287.234
930.000	5.093	5.130	2.764	2.774	546.350	6298.620	547.312	6304.825
940.000	8.438	8.470	0.000	0.000	613.988	6312.445	615.295	6318.700
950.000	6.817	6.846	0.855	0.859	690.248	6316.724	691.862	6322.998
960.000	7.154	7.196	0.652	0.656	760.081	6324.267	762.052	6330.578
970.000	6.968	7.023	1.025	1.034	830.672	6332.660	833.127	6339.034
980.000	6.892	6.954	1.187	1.198	899.949	6343.732	902.989	6350.199
990.000	9.263	9.333	0.000	0.000	980.704	6349.673	984.406	6356.191
990.432	9.299	9.365	0.000	0.000	984.713	6349.673	988.444	6356.191
1000.000	7.804	7.935	0.388	0.389	1066.566	6351.525	1071.241	6358.050
1010.000	8.958	9.061	0.000	0.000	1150.414	6353.460	1156.261	6359.994
1020.000	8.915	9.001	0.000	0.000	1239.804	6353.460	1246.599	6359.994
1030.000	7.841	7.935	0.089	0.090	1323.618	6353.907	1331.155	6360.445
1040.000	7.178	7.241	0.868	0.877	1398.758	6358.688	1407.243	6365.276
1050.000	8.714	8.771	0.000	0.000	1478.249	6363.022	1487.339	6369.657
1060.000	9.357	9.416	0.000	0.000	1568.265	6363.022	1578.297	6369.657

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
PLANTA-	--REAL--	PLANTA-	--REAL--				
1430.000	0.000	0.000	7.324	7.371	3060.334	7896.976	3098.543
1440.000	0.000	0.000	7.975	8.031	3060.334	7973.478	3098.543
1450.000	0.000	0.000	8.897	8.897	3060.334	8057.843	3098.543
1460.000	0.000	0.000	8.607	8.607	3060.334	8145.363	3098.543
1470.000	0.000	0.000	8.369	8.369	3060.334	8230.239	3098.543
1480.000	0.000	0.000	7.564	7.592	3060.334	8309.906	3098.543
1490.000	3.051	3.129	5.693	5.762	3075.582	8376.200	3114.182
1500.000	8.586	8.683	0.000	0.000	3133.758	8404.670	3173.233
1510.000	8.757	8.816	0.000	0.000	3220.474	8404.670	3260.725
1520.000	2.156	2.157	5.043	5.045	3275.046	8429.881	3315.594
1530.000	0.000	0.000	6.558	6.560	3285.830	8487.881	3326.382
1540.000	0.000	0.000	6.735	6.736	3285.830	8554.343	3326.382
1550.000	0.000	0.000	6.429	6.430	3285.830	8620.159	3326.382
1560.000	16.262	16.669	0.000	0.000	3367.149	8652.302	3409.734
1570.000	13.896	14.037	0.000	0.000	3517.953	8652.302	3563.272
1580.000	0.000	0.000	7.599	7.599	3587.437	8690.297	3633.458
1590.000	0.000	0.000	7.733	7.733	3587.437	8766.958	3633.458
1600.000	0.000	0.000	7.655	7.656	3587.437	8843.901	3633.458
1610.000	0.000	0.000	7.547	7.547	3587.437	8919.914	3633.458
1611.639	0.000	0.000	7.537	7.537	3587.437	8932.275	3633.458
1620.000	0.000	0.000	7.488	7.488	3587.437	8995.087	3633.458
1630.000	0.000	0.000	7.429	7.429	3587.437	9069.669	3633.458
1640.000	0.000	0.000	7.370	7.370	3587.437	9143.664	3633.458
1650.000	0.000	0.000	7.272	7.272	3587.437	9216.874	3633.458
1660.000	0.000	0.000	7.042	7.045	3587.437	9288.446	3633.458
1670.000	0.000	0.000	6.639	6.645	3587.437	9356.852	3633.458
1680.000	0.000	0.000	6.399	6.404	3587.437	9422.040	3633.458
1690.000	0.000	0.000	6.536	6.542	3587.437	9486.716	3633.458
1700.000	0.000	0.000	6.670	6.674	3587.437	9552.748	3633.458
1710.000	0.000	0.000	6.968	6.968	3587.437	9620.939	3633.458
1720.000	0.000	0.000	6.981	6.982	3587.437	9690.687	3633.458
1730.000	0.000	0.000	7.006	7.006	3587.437	9760.624	3633.458
1740.000	0.000	0.000	6.988	6.988	3587.437	9830.593	3633.458
1750.000	0.000	0.000	6.969	6.970	3587.437	9900.379	3633.458
1760.000	0.000	0.000	6.922	6.923	3587.437	9969.838	3633.458
1770.000	0.000	0.000	6.824	6.824	3587.437	10038.569	3633.458
1780.000	0.000	0.000	6.735	6.735	3587.437	10106.364	3633.458

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

pagina 6

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
PLANTA-	--REAL--	PLANTA-	--REAL--				
1790.000	0.000	0.000	6.733	6.733	3587.437	10173.704	3633.458
1800.000	0.000	0.000	6.736	6.736	3587.437	10241.046	3633.458
1810.000	0.000	0.000	6.742	6.743	3587.437	10308.434	3633.458
1820.000	0.000	0.000	6.737	6.738	3587.437	10375.829	3633.458
1830.000	0.000	0.000	6.725	6.726	3587.437	10443.138	3633.458
1840.000	0.000	0.000	6.713	6.714	3587.437	10510.328	3633.458
1850.000	0.000	0.000	6.703	6.705	3587.437	10577.411	3633.458
1860.000	0.000	0.000	6.721	6.722	3587.437	10644.531	3633.458
1870.000	0.000	0.000	6.767	6.769	3587.437	10711.969	3633.458
1880.000	0.000	0.000	6.822	6.824	3587.437	10779.917	3633.458
1890.000	0.000	0.000	6.774	6.776	3587.437	10847.898	3633.458
1900.000	0.000	0.000	6.741	6.743	3587.437	10915.475	3633.458
1910.000	0.000	0.000	6.661	6.663	3587.437	10982.488	3633.458
1920.000	0.000	0.000	6.581	6.582	3587.437	11048.697	3633.458
1930.000	0.000	0.000	6.563	6.565	3587.437	11114.417	3633.458
1940.000	0.000	0.000	6.549	6.551	3587.437	11179.980	3633.458
1950.000	0.000	0.000	6.526	6.528	3587.437	11245.357	3633.458
1960.000	0.000	0.000	6.512	6.513	3587.437	11310.546	3633.458
1970.000	0.000	0.000	6.489	6.491	3587.437	11375.549	3633.458
1980.000	0.000	0.000	6.481	6.482	3587.437	11440.396	3633.458
1990.000	0.000	0.000	6.465	6.467	3587.437	11505.125	3633.458
2000.000	0.000	0.000	6.530	6.532	3587.437	11570.100	3633.458
2010.000	0.000	0.000	6.601	6.603	3587.437	11635.750	3633.458
2020.000	0.000	0.000	6.674	6.677	3587.437	11702.121	3633.458
2030.000	0.000	0.000	6.586	6.589	3587.437	11768.418	3633.458
2040.000	0.000	0.000	6.437	6.440	3587.437	11833.529	3633.458
2050.000	0.000	0.000	6.297	6.300	3587.437	11897.200	3633.458
2060.000	1.095	1.096	6.120	6.123	3592.914	11959.288	3638.937
2070.000	1.654	1.654	5.541	5.543	3606.660	12017.592	3652.687
2080.000	0.000	0.000	6.635	6.635	3614.928	12078.471	3660.959
2090.000	0.000	0.000	6.570	6.570	3614.928	12144.497	3660.959
2100.000	0.000	0.000	6.726	6.726	3614.928	12210.975	3660.959
2110.000	0.000	0.000	6.720	6.720	3614.928	12278.201	3660.959
2120.000	0.000	0.000	6.605	6.605	3614.928	12344.825	3660.959
2130.000	0.000	0.000	6.421	6.422	3614.928	12409.957	3660.959
2140.000	0.000	0.000	7.233	7.233	3614.928	12478.228	3660.959
2150.000	0.000	0.000	7.322	7.322	3614.928	12551.003	3660.959

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

pagina 7

DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
PLANTA-	--REAL--	PLANTA-	--REAL--				
2160.000	0.000	0.000	7.370	7.370	3614.928	12624.463	3660.959
2170.000	0.000	0.000	7.430	7.430	3614.928	12698.460	3660.959
2180.000	0.000	0.000	7.490	7.490	3614.928	12773.056	3660.959
2190.000	0.000	0.000	7.550	7.550	3614.928	12848.253	3660.959
2200.000	0.000	0.000	7.610	7.610	3614.928	12924.051	3660.959
2210.000	0.000	0.000	7.670	7.670	3614.928	13000.448	3660.959
2220.000	0.000	0.000	7.730	7.730	3614.928	13077.445	3660.959
2230.000	0.000	0.000	7.790	7.790	3614.928	13155.043	3660.959
2240.000	0.000	0.000	7.850	7.850	3614.928	13233.240	3660.959
2250.000	0.000	0.000	7.910	7.910	3614.928	13312.037	3660.959
2260.000	0.000	0.000	7.970	7.970	3614.928	13391.435	3660.959
2270.000	0.000	0.000	8.030	8.030	3614.928	13471.432	3660.959
2280.000	0.000	0.000	8.090	8.090	3614.928	13552.029	3660.959
2290.000	0.000	0.000	8.213	8.213	3614.928	13633.545	3660.959
2300.000	0.000	0.000	8.220	8.220	3614.928	13715.711	3660.959
2310.000	0.000	0.000	8.277	8.277	3614.928	13798.194	3660.959
2320.000	0.000	0.000	8.335	8.335	3614.928	13881.250	3660.959
2330.000	0.000	0.000	8.394	8.394	3614.928	13964.892	3660.959
2340.000	0.000	0.000	8.454	8.454	3614.928	14049.128	3660.959
2350.000	0.000	0.000	8.510	8.510	3614.928	14133.945	3660.959
2360.000	0.000	0.000	8.570	8.570	3614.928	14219.342	3660.959
2370.000	0.000	0.000	8.630	8.630	3614.928	14305.339	3660.959
2380.000	0.000	0.000	8.690	8.690	3614.928	14391.937	3660.959
2390.000	0.000	0.000	8.750	8.750	3614.928	14479.134	3660.959
2400.000	0.000	0.000	8.803	8.803	3614.928	14566.898	3660.959
2410.000	0.000	0.000	8.839	8.839	3614.928	14655.111	3660.959
2420.000	0.000	0.000	8.857	8.857	3614.928	14743.591	3660.959
2430.000	0.000	0.000	8.801	8.801	3614.928	14831.879	3660.959
2440.000	0.000	0.000	8.790	8.790	3614.928	14919.833	3660.959
2450.000	0.000	0.000	8.729	8.729	3614.928	15007.424	3660.959
2460.000	0.000	0.000	8.674	8.674	3614.928	15094.434	3660.959
2470.000	0.000	0.000	8.616	8.616	3614.928	15180.880	3660.959
2480.000	0.000	0.000	8.560	8.560	3614.928	15266.757	3660.959
2490.000	0.000	0.000	8.498	8.498	3614.928	15352.047	3660.959
2500.000	0.000	0.000	8.437	8.437	3614.928	15436.725	3660.959
2510.000	0.000	0.000	8.378	8.378	3614.928	15520.803	3660.959
2520.000	0.000	0.000	8.325	8.325	3614.928	15604.320	3660.959

Istram 18.05.05.29 17/01/19 18:07:46 1880
PROYECTO :
EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * D E S B R O C E S * * *
* * * cubicacion segun distancias compensadas * * *

PK inicial		:	0.000					
PK final		:	2975.770					
P.K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
2530.000	0.000	0.000	8.192	8.192	3614.928	15686.903	3660.959	15700.149
2540.000	0.000	0.000	8.155	8.155	3614.928	15768.637	3660.959	15781.882
2550.000	0.000	0.000	8.072	8.072	3614.928	15849.770	3660.959	15863.016
2560.000	0.000	0.000	8.012	8.012	3614.928	15930.186	3660.959	15943.432
2570.000	0.000	0.000	10.306	10.308	3614.928	16021.774	3660.959	16035.028
2580.000	0.000	0.000	7.960	7.960	3614.928	16113.106	3660.959	16126.368
2590.000	0.000	0.000	8.760	8.760	3614.928	16196.705	3660.959	16209.968
2600.000	0.000	0.000	7.834	7.834	3614.928	16279.673	3660.959	16292.937
2610.000	0.000	0.000	7.782	7.782	3614.928	16357.752	3660.959	16371.016
2620.000	0.000	0.000	7.738	7.738	3614.928	16435.352	3660.959	16448.616
2630.000	0.000	0.000	7.591	7.591	3614.928	16512.000	3660.959	16525.265
2640.000	0.000	0.000	7.655	7.655	3614.928	16588.230	3660.959	16601.494
2650.000	0.000	0.000	7.582	7.582	3614.928	16664.411	3660.959	16677.776
2660.000	0.000	0.000	7.520	7.520	3614.928	16739.918	3660.959	16753.183
2670.000	0.000	0.000	7.455	7.455	3614.928	16814.792	3660.959	16828.058
2680.000	0.000	0.000	7.396	7.396	3614.928	16889.047	3660.959	16902.314
2690.000	0.000	0.000	7.344	7.344	3614.928	16962.745	3660.959	16976.012
2700.000	0.000	0.000	7.714	7.715	3614.928	17038.036	3660.959	17051.307
2710.000	0.000	0.000	7.396	7.396	3614.928	17113.588	3660.959	17126.865
2720.000	0.000	0.000	7.212	7.212	3614.928	17186.630	3660.959	17199.908
2730.000	0.000	0.000	7.118	7.118	3614.928	17258.283	3660.959	17271.561
2740.000	0.000	0.000	7.112	7.112	3614.928	17329.431	3660.959	17342.710
2750.000	0.000	0.000	7.193	7.193	3614.928	17400.953	3660.959	17414.233
2760.000	0.000	0.000	6.995	6.995	3614.928	17471.890	3660.959	17485.172
2770.000	0.000	0.000	7.523	7.524	3614.928	17544.481	3660.959	17557.768
2780.000	0.000	0.000	7.247	7.248	3614.928	17618.334	3660.959	17631.629
2790.000	0.000	0.000	7.041	7.041	3614.928	17689.775	3660.959	17703.076
2800.000	0.000	0.000	6.918	6.919	3614.928	17759.572	3660.959	17772.877
2810.000	0.000	0.000	7.131	7.132	3614.928	17829.819	3660.959	17843.130
2820.000	0.000	0.000	6.890	6.890	3614.928	17899.921	3660.959	17913.239
2830.000	0.000	0.000	7.401	7.401	3614.928	17971.373	3660.959	17984.696
2840.000	0.000	0.000	6.992	6.993	3614.928	18043.338	3660.959	18056.667
2850.000	0.000	0.000	6.776	6.776	3614.928	18112.176	3660.959	18125.531
2860.000	0.000	0.000	6.684	6.684	3614.928	18179.471	3660.959	18192.813
2870.000	0.000	0.000	7.039	7.041	3614.928	18248.085	3660.959	18261.437
2880.000	0.000	0.000	6.408	6.408	3614.928	18315.320	3660.959	18328.679
2884.228	0.000	0.000	6.402	6.402	3614.928	18342.400	3660.959	18355.759

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial	:	0.000					
PK final	:	2975.770					
		ANCHOS OCUPADOS	AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
	PLANTA--	--REAL--	PLANTA--	--REAL--			
2890.000	0.000	0.000	6.387	6.387	3614.928	18379.239	3660.959
2900.000	0.000	0.000	6.252	6.253	3614.928	18442.244	3660.959
2907.212	0.000	0.000	6.157	6.158	3614.928	18486.785	3660.959
2910.000	0.000	0.000	6.131	6.131	3614.928	18503.914	3660.959
2920.000	0.000	0.000	6.059	6.059	3614.928	18564.862	3660.959
2930.000	1.508	1.508	5.523	5.523	3622.468	18622.769	3668.499
2940.000	1.333	1.333	5.733	5.734	3636.674	18679.049	3682.706
2950.000	0.000	0.000	6.153	6.154	3643.340	18738.481	3689.372
2960.000	0.000	0.000	6.191	6.193	3643.340	18800.200	3689.372
2962.069	1.320	1.320	5.807	5.808	3644.705	18812.611	3690.739
2970.000	8.179	8.179	0.000	0.000	3681.500	18835.899	3727.534
2975.770	8.689	8.690	0.000	0.000	3730.115	18835.899	3776.151

Istram 18.05.05.29 13/07/18 10:35:03 459
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

pagina 1

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial	:	0.000					
PK final	:	1449.095					
		ANCHOS OCUPADOS	AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
	PLANTA--	--REAL--	PLANTA--	--REAL--			
0.000	0.000	0.000	44.906	44.935	0.000	0.000	0.000
10.000	0.000	0.000	28.626	28.630	0.000	349.376	0.000
20.000	0.000	0.000	23.739	23.740	0.000	607.155	0.000
30.000	0.000	0.000	22.553	22.553	0.000	837.005	0.000
40.000	0.000	0.000	21.367	21.367	0.000	1055.754	0.000
50.000	0.000	0.000	20.152	20.153	0.000	1263.189	0.000
60.000	0.000	0.000	19.130	19.131	0.000	1459.307	0.000
70.000	0.000	0.000	18.100	18.100	0.000	1645.632	0.000
80.000	0.000	0.000	17.016	17.016	0.000	1820.968	0.000
90.000	0.000	0.000	15.910	15.910	0.000	1985.560	0.000
100.000	0.000	0.000	14.747	14.747	0.000	2138.823	0.000
110.000	0.000	0.000	13.625	13.625	0.000	2280.678	0.000
120.000	0.000	0.000	12.775	12.775	0.000	2412.681	0.000
130.000	0.000	0.000	12.204	12.204	0.000	2537.578	0.000
140.000	0.000	0.000	11.754	11.754	0.000	2657.372	0.000
150.000	0.000	0.000	11.368	11.368	0.000	2772.981	0.000
160.000	0.000	0.000	10.975	10.975	0.000	2884.685	0.000
170.000	0.000	0.000	10.717	10.717	0.000	2993.119	0.000
180.000	0.000	0.000	10.339	10.340	0.000	3098.347	0.000
190.000	0.000	0.000	9.801	9.802	0.000	3198.975	0.000
200.000	0.000	0.000	9.094	9.095	0.000	3293.389	0.000
210.000	0.000	0.000	8.463	8.463	0.000	3381.133	0.000
220.000	0.000	0.000	8.001	8.002	0.000	3463.426	0.000
230.000	0.000	0.000	7.641	7.642	0.000	3541.621	0.000
240.000	0.000	0.000	7.382	7.383	0.000	3616.726	0.000
250.000	0.000	0.000	7.584	7.585	0.000	3691.552	0.000
260.000	0.000	0.000	7.307	7.309	0.000	3766.007	0.000
270.000	0.000	0.000	7.250	7.251	0.000	3838.793	0.000
280.000	0.000	0.000	7.369	7.371	0.000	3911.887	0.000
290.000	0.000	0.000	7.525	7.527	0.000	3986.358	0.000
300.000	0.000	0.000	7.608	7.610	0.000	4062.025	0.000
310.000	0.000	0.000	7.705	7.707	0.000	4138.592	0.000
320.000	0.000	0.000	7.788	7.789	0.000	4216.058	0.000
330.000	0.000	0.000	7.927	7.929	0.000	4294.636	0.000
340.000	0.000	0.000	8.026	8.027	0.000	4374.404	0.000
350.000	0.000	0.000	8.122	8.123	0.000	4455.143	0.000
360.000	0.000	0.000	8.212	8.213	0.000	4536.814	0.000

Istram 18.05.05.29 13/07/18 10:35:03 459
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

pagina 2

***** * * * D E S B R O C E S * * * * * * cubicacion segun distancias compensadas * * * *****							
PK inicial	:	0.000					
PK final	:	1449.095					
		ANCHOS OCUPADOS	AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P.K.		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-----	-----	-----	-----	-----	-----	-----
	PLANTA--	--REAL--	PLANTA--	--REAL--			
370.000	0.000	0.000	8.278	8.279	0.000	4619.264	0.000
380.000	0.000	0.000	8.328	8.328	0.000	4702.290	0.000
390.000	0.000	0.000	8.373	8.374	0.000	4785.795	0.000
400.000	0.000	0.000	8.461	8.462	0.000	4869.970	0.000
410.000	0.000	0.000	8.508	8.509	0.000	4954.818	0.000
420.000	0.000	0.000	8.532	8.533	0.000	5040.019	0.000
430.000	0.000	0.000	8.540	8.542	0.000	5125.381	0.000
440.000	0.000	0.000	8.552	8.555	0.000	5210.840	0.000
450.000	0.000	0.000	8.130	8.135	0.000	5294.250	0.000

460.000	0.000	0.000	8.128	8.133	0.000	5375.545	0.000
470.000	0.000	0.000	7.631	7.631	0.000	5454.341	0.000
480.000	0.000	0.000	7.807	7.808	0.000	5531.530	0.000
490.000	0.000	0.000	8.724	8.724	0.000	5614.187	0.000
500.000	0.000	0.000	8.753	8.753	0.000	5701.571	0.000
510.000	0.000	0.000	8.699	8.700	0.000	5788.829	0.000
520.000	0.000	0.000	8.517	8.517	0.000	5874.908	0.000
530.000	0.000	0.000	8.406	8.407	0.000	5959.524	0.000
540.000	0.000	0.000	8.632	8.633	0.000	6044.716	0.000
550.000	0.000	0.000	8.380	8.394	0.000	6129.772	0.000
560.000	0.000	0.000	8.146	8.162	0.000	6212.401	0.000
570.000	0.000	0.000	8.396	8.396	0.000	6295.112	0.000
580.000	0.000	0.000	8.277	8.277	0.000	6378.474	0.000
590.000	0.000	0.000	8.146	8.146	0.000	6460.589	0.000
600.000	0.000	0.000	7.973	7.973	0.000	6541.184	0.000
610.000	0.000	0.000	7.892	7.892	0.000	6620.508	0.000
620.000	0.000	0.000	7.813	7.813	0.000	6699.032	0.000
630.000	0.000	0.000	7.705	7.705	0.000	6776.621	0.000
640.000	0.000	0.000	7.414	7.414	0.000	6852.214	0.000
650.000	2.815	2.815	5.226	5.227	14.075	6915.413	14.075
660.000	2.042	2.042	6.028	6.029	38.360	6971.684	38.361
670.000	0.000	0.000	7.454	7.454	48.570	7039.092	48.571
680.000	0.000	0.000	7.902	7.902	48.570	7115.868	48.571
690.000	0.000	0.000	7.879	7.879	48.570	7194.771	48.571
700.000	0.000	0.000	7.858	7.858	48.570	7273.453	48.571
710.000	0.000	0.000	7.756	7.756	48.570	7351.520	48.571
720.000	0.000	0.000	7.644	7.644	48.570	7428.519	48.571
730.000	0.000	0.000	7.540	7.540	48.570	7504.438	48.571

Istram 18.05.05.29 13/07/18 10:35:03 459
PROYECTO :
EJE: 62: Camino paralelo Izq. P.K. 99+500

pagina 3

* * * D E S B R O C E S * * *							
* * * cubicacion segun distancias compensadas * * *							

PK inicial	:	0.000					
PK final	:	1449.095					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P.K.							

1160.000	0.000	0.000	7.765	7.765	919.693	10242.970	919.738	10244.265	360.000	19.215	19.530	0.000	0.000	4564.553	945.601	4626.841	945.616
1170.000	0.000	0.000	7.875	7.875	919.693	10321.169	919.738	10322.464	370.000	15.558	15.559	0.000	0.000	4737.930	945.601	4801.714	945.616
1180.000	0.000	0.000	8.037	8.038	919.693	10400.729	919.738	10402.029	378.988	11.463	11.507	2.942	2.983	4854.758	961.797	4918.727	962.028
1190.000	0.000	0.000	8.000	8.001	919.693	10480.915	919.738	10482.221	380.000	14.631	14.635	0.000	0.000	4867.962	963.286	4931.955	963.537
1200.000	0.000	0.000	7.860	7.860	919.693	10560.215	919.738	10561.525	390.000	9.776	9.817	2.991	3.057	4989.999	978.242	5054.215	978.823
1210.000	0.000	0.000	7.780	7.780	919.693	10638.414	919.738	10639.726	400.000	10.103	10.274	2.010	2.176	5089.396	1003.251	5154.672	1004.987
1220.000	0.000	0.000	7.685	7.685	919.693	10715.740	919.738	10717.053	410.000	7.602	7.630	0.000	0.000	5177.923	1013.302	5244.192	1015.865
1230.000	0.000	0.000	7.615	7.615	919.693	10792.238	919.738	10793.552	412.109	5.882	5.894	0.000	0.000	5192.142	1013.302	5258.454	1015.865
1240.000	0.000	0.000	7.441	7.441	919.693	10867.515	919.738	10868.829									
1250.000	0.000	0.000	7.204	7.204	919.693	10940.737	919.738	10942.054									
1260.000	2.966	2.970	5.019	5.020	934.520	11001.853	934.584	11003.179									
1270.000	9.137	9.139	0.000	0.000	995.033	11026.949	995.125	11028.283									
1280.000	0.000	0.000	7.088	7.089	1040.720	11062.389	1040.819	11063.730									
1290.000	0.000	0.000	7.232	7.235	1040.720	11133.991	1040.819	11135.351									
1300.000	0.000	0.000	7.268	7.270	1040.720	11206.490	1040.819	11207.877									
1310.000	0.000	0.000	7.313	7.315	1040.720	11279.391	1040.819	11280.804									
1320.000	0.000	0.000	7.303	7.305	1040.720	11352.470	1040.819	11353.902									
1330.000	0.000	0.000	7.154	7.155	1040.720	11424.753	1040.819	11426.199									
1340.000	0.000	0.000	6.990	6.990	1040.720	11495.470	1040.819	11496.924									
1350.000	1.414	1.414	6.540	6.540	1047.792	11563.119	1047.891	11564.576									
1360.000	2.857	2.857	6.080	6.080	1069.148	11626.220	1069.248	11627.677									
1370.000	7.035	7.035	1.971	1.971	1118.607	11666.474	1118.708	11667.931									
1380.000	9.054	9.054	0.000	0.000	1199.049	11676.327	1199.152	11677.784									
1390.000	9.076	9.077	0.000	0.000	1289.700	11676.327	1289.806	11677.784									
1400.000	9.119	9.119	0.000	0.000	1380.677	11676.327	1380.786	11677.784									
1410.000	9.458	9.459	0.000	0.000	1473.562	11676.327	1473.675	11677.784									
1420.000	9.396	9.397	0.000	0.000	1567.831	11676.327	1567.951	11677.784									
1430.000	9.331	9.332	0.000	0.000	1661.464	11676.327	1661.595	11677.784									
1440.000	9.478	9.478	0.000	0.000	1755.507	11676.327	1755.644	11677.784									
1449.095	9.660	9.660	0.000	0.000	1842.536	11676.327	1842.674	11677.784									

Istram 18.05.05.29 17/01/19 18:26:51 1880

PROYECTO :

EJE: 61: V^{de} de servicio Izq. P.K. 117+800

pagina 1

D E S B R O C E S									

cubicacion segun distancias compensadas *****									

PK inicial		:		0.000					
PK final		:		412.109					
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	PLANTA	REAL	PLANTA	REAL	PLANTA	REAL	PLANTA	REAL	
0.000	40.210	40.210	0.000	0.000	0.000	0.000	0.000	0.000	
5.496	24.403	24.404	0.000	0.000	177.558	0.000	177.559	0.000	
10.000	18.372	18.377	0.000	0.000	270.244	0.000	270.256	0.000	
20.000	16.422	16.422	0.000	0.000	436.151	0.000	436.185	0.000	
30.000	15.839	15.839	0.000	0.000	592.922	0.000	592.956	0.000	
40.000	14.702	14.702	0.000	0.000	741.364	0.000	741.399	0.000	
42.458	14.358	14.358	0.000	0.000	776.091	0.000	776.126	0.000	
50.000	14.204	14.204	0.000	0.000	883.797	0.000	883.832	0.000	
60.000	14.010	14.010	0.000	0.000	1024.869	0.000	1024.904	0.000	
70.000	12.377	12.377	0.000	0.000	1156.805	0.000	1156.840	0.000	
80.000	12.502	12.502	0.000	0.000	1281.196	0.000	1281.233	0.000	
90.000	12.572	12.572	0.000	0.000	1406.563	0.000	1406.605	0.000	
100.000	12.678	12.678	0.000	0.000	1532.811	0.000	1532.859	0.000	
110.000	3.748	3.748	10.073	10.073	1614.940	50.365	1614.991	50.367	
120.000	2.049	2.049	11.941	11.942	1643.925	160.436	1643.978	160.442	
130.000	1.262	1.262	12.832	12.832	1660.484	284.300	1660.537	284.309	
140.000	1.112	1.112	12.986	12.986	1672.356	413.386	1672.409	413.399	
150.000	1.625	1.625	12.380	12.380	1686.039	540.214	1686.092	540.228	
160.000	0.600	0.600	13.961	13.961	1697.161	671.915	1697.214	671.930	
170.000	0.600	0.600	13.510	13.510	1703.160	809.270	1703.214	809.285	
180.000	6.782	6.782	6.878	6.878	1740.073	911.211	1740.126	911.226	
190.000	13.210	13.210	0.000	0.000	1840.037	945.601	1840.091	945.616	
200.000	12.760	12.760	0.000	0.000	1969.887	945.601	1969.941	945.616	
210.000	12.134	12.143	0.000	0.000	2094.355	945.601	2094.452	945.616	
220.000	15.181	15.184	0.000	0.000	2230.929	945.601	2231.085	945.616	
230.000	15.022	15.045	0.000	0.000	2381.944	945.601	2382.232	945.616	
240.000	12.850	12.901	0.000	0.000	2521.304	945.601	2521.962	945.616	
250.000	17.376	17.871	0.000	0.000	2672.433	945.601	2675.820	945.616	
260.000	17.394	17.954	0.000	0.000	2846.284	945.601	2854.946	945.616	
270.000	17.402	18.107	0.000	0.000	3020.265	945.601	3035.254	945.616	
280.000	17.267	18.083	0.000	0.000	3193.612	945.601	3216.207	945.616	
290.000	15.195	15.853	0.000	0.000	3355.923	945.601	3385.890	945.616	
300.000	16.821	17.419	0.000	0.000	3515.999	945.601	3552.253	945.616	
310.000	16.672	17.250	0.000	0.000	3683.464	945.601	3725.601	945.616	
320.000	16.668	17.224	0.000	0.000	3850.168	945.601	3897.975	945.616	
330.000	17.143	17.623	0.000	0.000	4019.226	945.601	4072.210	945.616	
337.925	17.357	17.757	0.000	0.000	4155.934	945.601	4212.402	945.616	

Istram 18.05.05.29 17/01/19 18:26:51 1880

PROYECTO :

EJE: 61: V^{de} de servicio Izq. P.K. 117+800

pagina 2

D E S B R O C E S									

* * * cubicacion segun distancias compensadas * * *									

PK inicial		:	0.000						
PK final		:	412.109						
		ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL			
P.K.	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	--PLANTA--	--REAL--	--PLANTA--	--REAL--					
340.000	17.538	17.950	0.000	0.000	4192.090	945.601	4249.224	945.616	
350.000	18.621	18.893	0.000	0.000	4373.114	945.601	4432.895	945.616	

FIRMES CAMINOS

Istram 18.05.05.29 25/01/19 14:03:29 459 pagina 0
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	ZA	1.639	0.00	0.0					
10.000	ZA	1.639	16.39	16.4					
20.000	ZA	1.639	16.39	32.8					
30.000	ZA	1.639	16.39	49.2					
40.000	ZA	1.639	16.39	65.6					
50.000	ZA	1.639	16.39	82.0					
60.000	ZA	1.639	16.39	98.3					
70.000	ZA	1.639	16.39	114.7					
80.000	ZA	1.639	16.39	131.1					
90.000	ZA	1.639	16.39	147.5					
100.000	ZA	1.639	16.39	163.9					
110.000	ZA	1.639	16.39	180.3					
120.000	ZA	1.639	16.39	196.7					
130.000	ZA	1.639	16.39	213.1					
140.000	ZA	1.639	16.39	229.5					
150.000	ZA	1.639	16.39	245.9					
160.000	ZA	1.639	16.39	262.3					
170.000	ZA	1.639	16.39	278.6					
180.000	ZA	1.639	16.39	295.0					
187.077	ZA	1.639	11.60	306.6					
190.000	ZA	1.639	4.79	311.4					
200.000	ZA	1.639	16.39	327.8					
210.000	ZA	1.639	16.39	344.2					
220.000	ZA	1.639	16.39	360.6					
230.000	ZA	1.639	16.39	377.0					
240.000	ZA	1.639	16.39	393.4					
250.000	ZA	1.639	16.39	409.8					
260.000	ZA	1.639	16.39	426.2					
270.000	ZA	1.639	16.39	442.6					
280.000	ZA	1.639	16.39	458.9					
290.000	ZA	1.639	16.39	475.3					
300.000	ZA	1.639	16.39	491.7					
310.000	ZA	1.639	16.39	508.1					
320.000	ZA	1.639	16.39	524.5					
330.000	ZA	1.639	16.39	540.9					
340.000	ZA	1.639	16.39	557.3					
350.000	ZA	1.639	16.39	573.7					
360.000	ZA	1.639	16.39	590.1					

Istram 18.05.05.29 25/01/19 14:03:29 459 pagina 1
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
370.000	ZA	1.639	16.39	606.5					
380.000	ZA	1.639	16.39	622.8					
390.000	ZA	1.639	16.39	639.2					
400.000	ZA	1.639	16.39	655.6					
410.000	ZA	1.639	16.39	672.0					
420.000	ZA	1.639	16.39	688.4					
430.000	ZA	1.639	16.39	704.8					
440.000	ZA	1.639	16.39	721.2					
450.000	ZA	1.639	16.39	737.6					
453.298	ZA	1.639	5.41	743.0					
460.000	ZA	1.639	10.98	754.0					
470.000	ZA	1.639	16.39	770.4					
480.000	ZA	1.639	16.39	786.8					
490.000	ZA	1.639	16.39	803.1					
500.000	ZA	1.639	16.39	819.5					
502.113	ZA	1.639	3.46	823.0					
510.000	ZA	1.639	12.93	835.9					
520.000	ZA	1.639	16.39	852.3					
530.000	ZA	1.639	16.39	868.7					
540.000	ZA	1.639	16.39	885.1					
550.000	ZA	1.639	16.39	901.5					
560.000	ZA	1.639	16.39	917.9					
570.000	ZA	1.639	16.39	934.3					
580.000	ZA	1.639	16.39	950.7					
590.000	ZA	1.639	16.39	967.1					
600.000	ZA	1.639	16.39	983.5					
610.000	ZA	1.639	16.39	999.8					
620.000	ZA	1.639	16.39	1016.2					
630.000	ZA	1.639	16.39	1032.6					
640.000	ZA	1.639	16.39	1049.0					
650.000	ZA	1.639	16.39	1065.4					
660.000	ZA	1.639	16.39	1081.8					
661.062	ZA	1.639	1.74	1083.5					
670.000	ZA	1.639	14.65	1098.2					
680.000	ZA	1.639	16.39	1114.6					
690.000	ZA	1.639	16.39	1131.0					
700.000	ZA	1.639	16.39	1147.4					
703.157	ZA	1.639	5.17	1152.5					

Istram 18.05.05.29 25/01/19 14:03:29 459 pagina 2
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
710.000	ZA	1.639	11.22	1163.7					
720.000	ZA	1.639	16.39	1180.1					
730.000	ZA	1.639	16.39	1196.5					
740.000	ZA	1.639	16.39	1212.9					
750.000	ZA	1.639	16.39	1229.3					
760.000	ZA	1.639	16.39	1245.7					
770.000	ZA	1.639	16.39	1262.1					
780.000	ZA	1.639	16.39	1278.5					
790.000	ZA	1.639	16.39	1294.9					
800.000	ZA	1.639	16.39	1311.3					
810.000	ZA	1.639	16.39	1327.7					
820.000	ZA	1.639	16.39	1344.0					
830.000	ZA	1.639	16.39	1360.4					
840.000	ZA	1.639	16.39	1376.8					
850.000	ZA	1.639	16.39	1393.2					
860.000	ZA	1.639	16.39	1409.6					
870.000	ZA	1.639	16.39	1426.0					
880.000	ZA	1.639	16.39	1442.4					
890.000	ZA	1.639	16.39	1458.8					
900.000	ZA	1.639	16.39	1475.2					
910.000	ZA	1.639	16.39	1491.6					
920.000	ZA	1.639	16.39	1507.9					
930.000	ZA	1.639	16.39	1524.3					
940.000	ZA	1.639	16.39	1540.7					
942.871	ZA	1.639	4.70	1545.4					
950.000	ZA	1.639	11.68	1557.1					
960.000	ZA	1.639	16.39	1573.5					
970.000	ZA	1.639	16.39	1589.9					
974.204	ZA	1.639	6.89	1596.8					
980.000	ZA	1.639	9.50	1606.3					
990.000	ZA	1.639	16.39	1622.7					
1000.000	ZA	1.639	16.39	1639.1					
1004.443	ZA	1.639	7.28	1646.3					
1010.000	ZA	1.639	9.11	1655.5					
1020.000	ZA	1.639	16.39	1671.8					
1026.452	ZA	1.639	10.57	1682.4					

Istram 18.05.05.29 25/01/19 14:03:29 459 pagina 3
PROYECTO :
EJE: 66: Camino paralelo Dch. P.K. 118+200

***** * * * RESUMEN DE VOLUMENES TOTALES * * * *****			
MATERIAL	VOLUMEN		
-----	-----		
ZA	1682.4		

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 1
PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

***** * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * * * * * CAPAS DE FIRME * * * * * * cubicacion segun distancias compensadas * * * *****									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
0.000	ZA	1.639	0.00	0.0					
10.000	ZA	1.639	16.39	16.4					
20.000	ZA	1.639	16.39	32.8					
30.000	ZA	1.639	16.39	49.2					
40.000	ZA	1.639	16.39	65.6					
50.000	ZA	1.639	16.39	82.0					
60.000	ZA	1.639	16.39	98.4					
70.000	ZA	1.639	16.39	114.7					
80.000	ZA	1.639	16.39	131.1					
90.000	ZA	1.639	16.39	147.5					
100.000	ZA	1.639	16.39	163.9					
110.000	ZA	1.639	16.39	180.3					
120.000	ZA	1.639	16.39	196.7					
130.000	ZA	1.638	16.39	213.1					
140.000	ZA	1.638	16.38	229.5					
150.000	ZA	1.639	16.39	245.9					
160.000	ZA	1.639	16.39	262.2					
170.000	ZA	1.639	16.39	278.6					
180.000	ZA	1.639	16.39	295.0					
190.000	ZA	1.639	16.39	311.4					
200.000	ZA	1.639	16.39	327.8					
210.000	ZA	1.639	16.39	344.2					
220.000	ZA	1.639	16.39	360.6					
230.000	ZA	1.639	16.39	377.0					
240.000	ZA	1.639	16.39	393.4					
250.000	ZA	1.639	16.39	409.8					
260.000	ZA	1.639	16.39	426.1					
270.000	ZA	1.639	16.39	442.5					
280.000	ZA	1.639	16.39	458.9					
290.000	ZA	1.638	16.39	475.3					

300.000	ZA	1.639	16.39	491.7
302.971	ZA	1.639	4.87	496.6
310.000	ZA	1.639	11.52	508.1
320.000	ZA	1.639	16.39	524.5
330.000	ZA	1.639	16.39	540.9
340.000	ZA	1.639	16.39	557.3
350.000	ZA	1.639	16.39	573.6
360.000	ZA	1.639	16.39	590.0

Istram 18.05.05.29 17/01/19 18:07:44 1880 pagina 2

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
370.000	ZA	1.639	16.39	606.4						
380.000	ZA	1.639	16.39	622.8						
390.000	ZA	1.639	16.39	639.2						
400.000	ZA	1.639	16.39	655.6						
410.000	ZA	1.639	16.39	672.0						
420.000	ZA	1.639	16.39	688.4						
430.000	ZA	1.639	16.39	704.8						
440.000	ZA	1.639	16.39	721.2						
450.000	ZA	1.639	16.39	737.5						
452.901	ZA	1.639	4.76	742.3						
460.000	ZA	1.639	11.64	753.9						
470.000	ZA	1.639	16.39	770.3						
480.000	ZA	1.638	16.39	786.7						
490.000	ZA	1.639	16.39	803.1						
500.000	ZA	1.639	16.39	819.5						
510.000	ZA	1.639	16.39	835.9						
520.000	ZA	1.639	16.39	852.3						
530.000	ZA	1.639	16.39	868.7						
540.000	ZA	1.639	16.39	885.1						
550.000	ZA	1.639	16.39	901.4						
560.000	ZA	1.639	16.39	917.8						
570.000	ZA	1.639	16.39	934.2						
580.000	ZA	1.639	16.39	950.6						
590.000	ZA	1.639	16.39	967.0						
600.000	ZA	1.639	16.39	983.4						
610.000	ZA	1.639	16.39	999.8						
620.000	ZA	1.639	16.39	1016.2						
630.000	ZA	1.639	16.39	1032.6						
640.000	ZA	1.639	16.39	1049.0						
650.000	ZA	1.639	16.39	1065.4						
660.000	ZA	1.639	16.39	1081.7						
670.000	ZA	1.639	16.39	1098.1						
680.000	ZA	1.639	16.39	1114.5						
690.000	ZA	1.639	16.39	1130.9						
700.000	ZA	1.639	16.39	1147.3						
710.000	ZA	1.639	16.39	1163.7						
720.000	ZA	1.639	16.39	1180.1						
730.000	ZA	1.639	16.39	1196.5						

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 3

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
740.000	ZA	1.639	16.39	1212.9						
750.000	ZA	1.639	16.39	1229.3						
760.000	ZA	1.639	16.39	1245.6						
770.000	ZA	1.639	16.39	1262.0						
780.000	ZA	1.639	16.39	1278.4						
790.000	ZA	1.639	16.39	1294.8						
800.000	ZA	1.639	16.39	1311.2						
810.000	ZA	1.639	16.39	1327.6						
820.000	ZA	1.639	16.39	1344.0						
830.000	ZA	1.639	16.39	1360.4						
840.000	ZA	1.639	16.39	1376.8						
850.000	ZA	1.639	16.39	1393.2						
860.000	ZA	1.639	16.39	1409.6						
870.000	ZA	1.639	16.39	1426.0						
880.000	ZA	1.639	16.39	1442.3						
890.000	ZA	1.638	16.39	1458.7						
900.000	ZA	1.639	16.39	1475.1						
910.000	ZA	1.639	16.39	1491.5						
920.000	ZA	1.639	16.39	1507.9						
928.240	ZA	1.639	13.51	1521.4						
930.000	ZA	1.639	2.88	1524.3						
940.000	ZA	1.639	16.39	1540.7						
950.000	ZA	1.639	16.39	1557.1						
960.000	ZA	1.639	16.39	1573.5						
970.000	ZA	1.639	16.39	1589.8						
980.000	ZA	1.639	16.39	1606.2						
990.000	ZA	1.639	16.39	1622.6						
1000.000	ZA	1.639	16.39	1639.0						
1010.000	ZA	1.639	16.39	1655.4						
1020.000	ZA	1.639	16.39	1671.8						

1030.000	ZA	1.639	16.39	1688.2
1040.000	ZA	1.639	16.39	1704.6
1050.000	ZA	1.639	16.39	1721.0
1060.000	ZA	1.638	16.39	1737.4
1070.000	ZA	1.639	16.39	1753.8
1080.000	ZA	1.639	16.39	1770.1
1090.000	ZA	1.639	16.39	1786.5
1100.000	ZA	1.639	16.39	1802.9

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 4

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1110.000	ZA	1.639	16.39	1819.3						
1120.000	ZA	1.639	16.39	1835.7						
1130.000	ZA	1.639	16.39	1852.1						
1140.000	ZA	1.639	16.39	1868.5						
1150.000	ZA	1.639	16.39	1884.9						
1160.000	ZA	1.638	16.39	1901.3						
1170.000	ZA	1.639	16.39	1917.6						
1180.000	ZA	1.639	16.39	1934.0						
1190.000	ZA	1.639	16.39	1950.4						
1200.000	ZA	1.639	16.39	1966.8						
1210.000	ZA	1.638	16.39	1983.2						
1220.000	ZA	1.639	16.39	1999.6						
1230.000	ZA	1.639	16.39	2016.0						
1235.711	ZA	1.639	9.36	2025.3						
1240.000	ZA	1.639	7.03	2032.4						
1250.000	ZA	1.639	16.39	2048.8						
1260.000	ZA	1.639	16.39	2065.2						
1270.000	ZA	1.639	16.39	2081.5						
1280.000	ZA	1.639	16.39	2097.9						
1290.000	ZA	1.638	16.39	2114.3						
1300.000	ZA	1.639	16.39	2130.7						
1310.000	ZA	1.639	16.39	2147.1						
1320.000	ZA	1.639	16.39	2163.5						
1330.000	ZA	1.639	16.39	2179.9						
1340.000	ZA	1.639	16.39	2196.3						
1350.000	ZA	1.639	16.39	2212.7						
1360.000	ZA	1.639	16.39	2229.1						
1370.000	ZA	1.639	16.39	2245.5						
1380.000	ZA	1.639	16.39	2261.8						
1390.000	ZA	1.639	16.39	2278.2						
1400.000	ZA	1.639	16.39	2294.6						
1410.000	ZA	1.639	16.39	2311.0						
1420.000	ZA	1.639	16.39	2327.4						
1430.000	ZA	1.639	16.39	2343.8						
1440.000	ZA	1.639	16.39	2360.2						
1450.000	ZA	1.639	16.39	2376.6						
1460.000	ZA	1.639	16.39	2393.0						
1470.000	ZA	1.639	16.39	2409.4						

Istram 18.05.05.29 17/01/19 18:07:45 1880 pagina 5

PROYECTO :
EJE: 63: Camino paralelo Izq. P.K. 101+300

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1480.000	ZA	1.639		16.39	2425.8					
1490.000	ZA	1.639		16.39	2442.2					
1500.000	ZA	1.639		16.39	2458.5					
1510.000	ZA	1.639		16.39	2474.9					
1512.823	ZA	1.639		4.63	2479.6					
1520.000	ZA	1.639		11.76	2491.3					
1530.000	ZA	1.639		16.39	2507.7					
1540.000	ZA	1.638		16.39	2524.1					
1550.000	ZA	1.638		16.38	2540.5					
1560.000	ZA	1.638		16.38	2556.9					
1570.000	ZA	1.639		16.39	2573.3					
1580.000	ZA	1.639		16.39	2589.6					
1590.000	ZA	1.639		16.39	2606.0					
1600.000	ZA	1.639		16.39	2622.4					
1610.000	ZA	1.639		16.39	2638.8					
1620.000	ZA	1.639		16.39	2655.2					
1630.000	ZA	1.639		16.39	2671.6					
1640.000	ZA	1.639		16.39	2688.0					
1650.000	ZA	1.639		16.39	2704.4					
1660.000	ZA	1.639		16.39	2720.8					
1670.000	ZA	1.639		16.39	2737.2					
1680.000	ZA	1.639		16.39	2753.5					
1690.000	ZA	1.639		16.39	2769.9					
1700.000	ZA	1.639		16.39	2786.3					
1710.000	ZA	1.639		16.39	2802.7					
1720.000	ZA	1.639		16.39	2819.1					
1730.000	ZA	1.639		16.39	2835.5					
1740.000	ZA	1.639		16.39	2851.9					
1750.000	ZA	1.639		16.39	2868.3					
1760.000	ZA	1.639		16.39	2884.7					

1770.000	ZA	1.639	16.39	2901.1
1780.000	ZA	1.639	16.39	2917.5
1790.000	ZA	1.639	16.39	2933.9
1800.000	ZA	1.639	16.39	2950.2
1810.000	ZA	1.639	16.39	2966.6
1817.695	ZA	1.639	12.61	2979.2
1820.000	ZA	1.639	3.78	2983.0
1830.000	ZA	1.639	16.39	2999.4

Istram 18.05.05.29 17/01/19 18:07:45 1880

PROYECTO :

EJE: 63: Camino paralelo Izq. P.K. 101+300

*****					*****				
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *					* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *				
* * * CAPAS DE FIRME					* * * CAPAS DE FIRME				
* * * cubicacion segun distancias compensadas * * *					* * * cubicacion segun distancias compensadas * * *				
*****					*****				
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	

1840.000	ZA	1.639	16.39	3015.8					
1850.000	ZA	1.639	16.39	3032.2					
1850.721	ZA	1.639	1.18	3033.4					
1860.000	ZA	1.638	15.20	3048.6					
1870.000	ZA	1.638	16.38	3065.0					
1875.301	ZA	1.638	8.69	3073.7					
1880.000	ZA	1.639	7.70	3081.4					
1890.000	ZA	1.639	16.39	3097.7					
1900.000	ZA	1.639	16.39	3114.1					
1910.000	ZA	1.638	16.39	3130.5					
1911.259	ZA	1.639	2.06	3132.6					
1920.000	ZA	1.639	14.33	3146.9					
1930.000	ZA	1.639	16.39	3163.3					
1940.000	ZA	1.639	16.39	3179.7					
1950.000	ZA	1.639	16.39	3196.1					
1960.000	ZA	1.639	16.39	3212.5					
1970.000	ZA	1.639	16.39	3228.9					
1980.000	ZA	1.639	16.39	3245.3					
1990.000	ZA	1.639	16.39	3261.6					
2000.000	ZA	1.638	16.39	3278.0					
2002.998	ZA	1.639	4.91	3282.9					
2010.000	ZA	1.639	11.48	3294.4					
2020.000	ZA	1.639	16.39	3310.8					
2027.518	ZA	1.639	12.32	3323.1					
2030.000	ZA	1.639	4.07	3327.2					
2040.000	ZA	2.666	21.53	3348.7					
2044.839	ZA	7.519	24.64	3373.4					

Istram 18.05.05.29 17/01/19 18:07:45 1880

PROYECTO :

EJE: 63: Camino paralelo Izq. P.K. 101+300

*****				*****			
* * * RESUMEN DE VOLUMENES TOTALES				* * *			
*****				*****			

MATERIAL	VOLUMEN
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ZA	3373.4

Istram 18.05.05.29 17/01/19 18:07:45 1880

PROYECTO :

EJE: 64: Camino paralelo Izq. P.K. 102+800

*****					*****				
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *					* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *				
* * * CAPAS DE FIRME					* * * CAPAS DE FIRME				
* * * cubicacion segun distancias compensadas * * *					* * * cubicacion segun distancias compensadas * * *				
*****					*****				
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	

0.000	ZA	1.639	0.00	0.0					
10.000	ZA	1.639	16.39	16.4					
20.000	ZA	1.639	16.39	32.8					
27.981	ZA	1.639	13.08	45.9					
30.000	ZA	1.639	3.31	49.2					
40.000	ZA	1.639	16.39	65.6					
50.000	ZA	1.639	16.39	82.0					
60.000	ZA	1.639	16.39	98.3					
70.000	ZA	1.639	16.39	114.7					
80.000	ZA	1.638	16.39	131.1					
83.095	ZA	1.638	5.07	136.2					
90.000	ZA	1.639	11.31	147.5					
100.000	ZA	1.639	16.39	163.9					
110.000	ZA	1.639	16.39	180.3					
120.000	ZA	1.639	16.39	196.7					
130.000	ZA	1.639	16.39	213.1					
140.000	ZA	1.639	16.39	229.5					
150.000	ZA	1.639	16.39	245.9					
160.000	ZA	1.639	16.39	262.3					
170.000	ZA	1.639	16.39	278.6					
180.000	ZA	1.639	16.39	295.0					
190.000	ZA	1.639	16.39	311.4					
200.000	ZA	1.639	16.39	327.8					
210.000	ZA	1.639	16.39	344.2					
220.000	ZA	1.639	16.39	360.6					
230.000	ZA	1.639	16.39	377.0					
240.000	ZA	1.639	16.39	393.4					
250.000	ZA	1.639	16.39	409.8					
260.000	ZA	1.639	16.39	426.2					
270.000	ZA	1.639	16.39	442.6					
280.000	ZA	1.639	16.39	459.0					

290.000	ZA	1.639	16.39	475.3
300.000	ZA	1.639	16.39	491.7
310.000	ZA	1.639	16.39	508.1
320.000	ZA	1.639	16.39	524.5
330.000	ZA	1.639	16.39	540.9
340.000	ZA	1.639	16.39	557.3
350.000	ZA	1.639	16.39	573.7

Istram 18.05.05.29 17/01/19 18:07:45 1880

PROYECTO :

EJE: 64: Camino paralelo Izq. P.K. 102+800

*****					*****				
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *					* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *				
* * * CAPAS DE FIRME					* * * CAPAS DE FIRME				
* * * cubicacion segun distancias compensadas * * *					* * * cubicacion segun distancias compensadas * * *				
*****					*****				
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.	

360.000	ZA	1.639	16.39	590.1					
370.000	ZA	1.639	16.39	606.5					
380.000	ZA	1.639	16.39	622.9					
390.000	ZA	1.639	16.39	639.3					
400.000	ZA	1.639	16.39	655.7					
410.000	ZA	1.638	16.39	672.0					
420.000	ZA	1.639	16.39	688.4					
430.000	ZA	1.639	16.39	704.8					
440.000	ZA	1.639	16.39	721.2					
450.000	ZA	1.639	16.39	737.6					
460.000	ZA	1.639	16.39	754.0					
470.000	ZA	1.639	16.39	770.4					
480.000	ZA	1.639	16.39	786.8					
490.000	ZA	1.639	16.39	803.2					
500.000	ZA	1.639	16.39	819.5					
510.000	ZA	1.639	16.39	835.9					
520.000	ZA	1.639	16.39	852.3					
530.000	ZA	1.638	16.39	868.7					
540.000	ZA	1.639	16.39	885.1					
550.000	ZA	1.639	16.39	901.5					
560.000	ZA	1.639	16.39	917.9					
570.000	ZA	1.639	16.39	934.3					
580.000	ZA	1.638	16.39	950.7					
583.802	ZA	1.639	6.23	956.9					
590.000	ZA	1.639	10.16	967.1					
600.000	ZA	1.639	16.39	983.4					
610.000	ZA	1.639	16.39	999.8					
620.000	ZA	1.639	16.39	1016.2					
630.000	ZA	1.638	16.39	1032.6					
640.000	ZA	1.639	16.39	1049.0					
650.000	ZA	1.639	16.39	1065.4					
660.000	ZA	1.639	16.39	1081.8					
669.860	ZA	1.639	16.16	1098.0					

Istram 18.05.05.29 17/01/19 18:07:45 1880

PROYECTO :

EJE: 64: Camino paralelo Izq. P.K. 102+800

*****				*****			
* * * RESUMEN DE VOLUMENES TOTALES				* * *			
*****				*****			

MATERIAL	VOLUMEN
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ZA	1098.0

Istram 18.05.05.29 17/01/19 18:07:46 1880

PROYECTO :

EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *										
* * * CAPAS DE FIRME * * *										
* * * cubicacion segun distancias compensadas * * *										

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.

0.000	ZA	1.385		0.00	0.0	AC Surf	16	0.254	0.00	0.0
10.000	ZA	1.385		13.85	13.9	AC Surf	16	0.254	2.54	2.5
20.000	ZA	1.385		13.85	27.7	AC Surf	16	0.254	2.54	5.1
30.000	ZA	1.385		13.85	41.6	AC Surf	16	0.254	2.54	7.6
40.000	ZA	1.385		13.85	55.4	AC Surf	16	0.254	2.54	10.2
50.000	ZA	1.385		13.85	69.3	AC Surf	16	0.254	2.54	12.7
60.000	ZA	1.385		13.85	83.1	AC Surf	16	0.254	2.54	15.2
70.000	ZA	1.385		13.85	97.0	AC Surf	16	0.254	2.54	17.8
80.000	ZA	1.385		13.85	110.8	AC Surf	16	0.254	2.54	20.3
90.000	ZA	1.385		13.85	124.7	AC Surf	16	0.254	2.54	22.8
100.000	ZA	1.385		13.85	138.5	AC Surf	16	0.254	2.54	25.4
110.000	ZA	1.385		13.85	152.4	AC Surf	16	0.254	2.54	27.9
119.016	ZA	1.385		12.49	164.9	AC Surf	16	0.254	2.29	30.2
120.000	ZA	1.385		1.36	166.2	AC Surf	16	0.254	0.25	30.5
130.000	ZA	1.385		13.85	180.1	AC Surf	16	0.254	2.54	33.0
140.000	ZA	1.385		13.85	193.9	AC Surf	16	0.254	2.54	35.5
150.000	ZA	1.385		13.85	207.8	AC Surf	16	0.254	2.54	38.1
160.000	ZA	1.385		13.85	221.6	AC Surf	16	0.254	2.54	40.6
170.000	ZA	1.385		13.85	235.5	AC Surf	16	0.254	2.54	43.1
180.000	ZA	1.385		13.85	249.3	AC Surf	16	0.254	2.54	45.7
190.000	ZA	1.385		13.85	263.2	AC Surf	16	0.254	2.54	48.2
200.000	ZA	1.385		13.85	277.1	AC Surf	16	0.254	2.54	50.8
210.000	ZA	1.385		13.85	290.9	AC Surf	16	0.254	2.54	53.3
220.000	ZA	1.385		13.85	304.8	AC Surf	16	0.254	2.54	55.8
230.000	ZA	1.385		13.85	318.6	AC Surf	16	0.254	2.54	58.4
240.000	ZA	1.385		13.85	332.5	AC Surf	16	0.254	2.54	60.9

250.000	ZA	1.385	13.85	346.3	AC Surf 16	0.254	2.54	63.5
260.000	ZA	1.385	13.85	360.2	AC Surf 16	0.254	2.54	66.0
270.000	ZA	1.385	13.85	374.0	AC Surf 16	0.254	2.54	68.5
280.000	ZA	1.385	13.85	387.9	AC Surf 16	0.254	2.54	71.1
290.000	ZA	1.385	13.85	401.7	AC Surf 16	0.254	2.54	73.6
300.000	ZA	1.385	13.85	415.6	AC Surf 16	0.254	2.54	76.1
310.000	ZA	1.385	13.85	429.4	AC Surf 16	0.254	2.54	78.7
320.000	ZA	1.385	13.85	443.3	AC Surf 16	0.254	2.54	81.2
330.000	ZA	1.385	13.85	457.1	AC Surf 16	0.254	2.54	83.8
340.000	ZA	1.385	13.85	471.0	AC Surf 16	0.254	2.54	86.3
350.000	ZA	1.385	13.85	484.8	AC Surf 16	0.254	2.54	88.8
360.000	ZA	1.385	13.85	498.7	AC Surf 16	0.254	2.54	91.4
Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 2								
PROYECTO :								
EJE: 65: Camino paralelo Izq. P.K. 106+400								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
370.000	ZA	1.385	13.85	512.5	AC Surf 16	0.254	2.54	93.9
380.000	ZA	1.385	13.85	526.4	AC Surf 16	0.254	2.54	96.5
390.000	ZA	1.385	13.85	540.3	AC Surf 16	0.254	2.54	99.0
400.000	ZA	1.385	13.85	554.1	AC Surf 16	0.254	2.54	101.5
410.000	ZA	1.385	13.85	568.0	AC Surf 16	0.254	2.54	104.1
420.000	ZA	1.385	13.85	581.8	AC Surf 16	0.254	2.54	106.6
430.000	ZA	1.385	13.85	595.7	AC Surf 16	0.254	2.54	109.1
440.000	ZA	1.385	13.85	609.5	AC Surf 16	0.254	2.54	111.7
450.000	ZA	1.385	13.85	623.4	AC Surf 16	0.254	2.54	114.2
460.000	ZA	1.385	13.85	637.2	AC Surf 16	0.254	2.54	116.8
470.000	ZA	1.385	13.85	651.1	AC Surf 16	0.254	2.54	119.3
480.000	ZA	1.385	13.85	664.9	AC Surf 16	0.254	2.54	121.8
490.000	ZA	1.385	13.85	678.8	AC Surf 16	0.254	2.54	124.4
500.000	ZA	1.385	13.85	692.6	AC Surf 16	0.254	2.54	126.9
510.000	ZA	1.385	13.85	706.5	AC Surf 16	0.254	2.54	129.5
520.000	ZA	1.385	13.85	720.3	AC Surf 16	0.254	2.54	132.0
530.000	ZA	1.385	13.85	734.2	AC Surf 16	0.254	2.54	134.5
540.000	ZA	1.385	13.85	748.0	AC Surf 16	0.254	2.54	137.1
550.000	ZA	1.385	13.85	761.9	AC Surf 16	0.254	2.54	139.6
552.667	ZA	1.385	3.70	765.6	AC Surf 16	0.254	0.68	140.3
560.000	ZA	1.385	10.16	775.7	AC Surf 16	0.254	1.86	142.1
570.000	ZA	1.385	13.85	789.6	AC Surf 16	0.254	2.54	144.7
580.000	ZA	1.385	13.85	803.4	AC Surf 16	0.254	2.54	147.2
590.000	ZA	1.385	13.85	817.3	AC Surf 16	0.254	2.54	149.8
600.000	ZA	1.385	13.85	831.2	AC Surf 16	0.254	2.54	152.3
610.000	ZA	1.385	13.85	845.0	AC Surf 16	0.254	2.54	154.8
620.000	ZA	1.385	13.85	858.9	AC Surf 16	0.254	2.54	157.4
630.000	ZA	1.385	13.85	872.7	AC Surf 16	0.254	2.54	159.9
640.000	ZA	1.385	13.85	886.6	AC Surf 16	0.254	2.54	162.4
650.000	ZA	1.385	13.85	900.4	AC Surf 16	0.254	2.54	165.0
660.000	ZA	1.385	13.85	914.3	AC Surf 16	0.254	2.54	167.5
670.000	ZA	1.385	13.85	928.1	AC Surf 16	0.254	2.54	170.1
680.000	ZA	1.385	13.85	942.0	AC Surf 16	0.254	2.54	172.6
690.000	ZA	1.385	13.85	955.8	AC Surf 16	0.254	2.54	175.1
700.000	ZA	1.385	13.85	969.7	AC Surf 16	0.254	2.54	177.7
710.000	ZA	1.385	13.85	983.5	AC Surf 16	0.254	2.54	180.2
720.000	ZA	1.385	13.85	997.4	AC Surf 16	0.254	2.54	182.7
730.000	ZA	1.385	13.85	1011.2	AC Surf 16	0.254	2.54	185.3

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 3								
PROYECTO :								
EJE: 65: Camino paralelo Izq. P.K. 106+400								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
740.000	ZA	1.385		13.85	1025.1	AC Surf 16	0.254		2.54	187.8
750.000	ZA	1.385		13.85	1038.9	AC Surf 16	0.254		2.54	190.4
760.000	ZA	1.385		13.85	1052.8	AC Surf 16	0.254		2.54	192.9
770.000	ZA	1.385		13.85	1066.7	AC Surf 16	0.254		2.54	195.4
780.000	ZA	1.385		13.85	1080.5	AC Surf 16	0.254		2.54	198.0
790.000	ZA	1.385		13.85	1094.4	AC Surf 16	0.254		2.54	200.5
800.000	ZA	1.385		13.85	1108.2	AC Surf 16	0.254		2.54	203.1
810.000	ZA	1.385		13.85	1122.1	AC Surf 16	0.254		2.54	205.6
820.000	ZA	1.385		13.85	1135.9	AC Surf 16	0.254		2.54	208.1
830.000	ZA	1.385		13.85	1149.8	AC Surf 16	0.254		2.54	210.7
840.000	ZA	1.385		13.85	1163.6	AC Surf 16	0.254		2.54	213.2
850.000	ZA	1.385		13.85	1177.5	AC Surf 16	0.254		2.54	215.7
860.000	ZA	1.385		13.85	1191.3	AC Surf 16	0.254		2.54	218.3
870.000	ZA	1.385		13.85	1205.2	AC Surf 16	0.254		2.54	220.8
877.302	ZA	1.385		10.12	1215.3	AC Surf 16	0.254		1.85	222.7
880.000	ZA	1.385		3.74	1219.0	AC Surf 16	0.254		0.68	223.4
890.000	ZA	1.385		13.85	1232.9	AC Surf 16	0.254		2.54	225.9
900.000	ZA	1.385		13.85	1246.7	AC Surf 16	0.254		2.54	228.4
910.000	ZA	1.385		13.85	1260.6	AC Surf 16	0.254		2.54	231.0
920.000	ZA	1.385		13.85	1274.4	AC Surf 16	0.254		2.54	233.5
930.000	ZA	1.385		13.85	1288.3	AC Surf 16	0.254		2.54	236.0
940.000	ZA	1.385		13.85	1302.1	AC Surf 16	0.254		2.54	238.6
950.000	ZA	1.385		13.85	1316.0	AC Surf 16	0.254		2.54	241.1
960.000	ZA	1.385		13.85	1329.9	AC Surf 16	0.254		2.54	243.7
970.000	ZA	1.385		13.85	1343.7	AC Surf 16	0.254		2.54	246.2
980.000	ZA	1.385		13.85	1357.6	AC Surf 16	0.254		2.54	248.7

990.000	ZA	1.385	13.85	1371.4	AC Surf 16	0.254	2.54	251.3
990.432	ZA	1.385	0.60	1372.0	AC Surf 16	0.254	0.11	251.4
1000.000	ZA	1.385	13.26	1385.3	AC Surf 16	0.254	2.43	253.8
1010.000	ZA	1.385	13.85	1399.1	AC Surf 16	0.254	2.54	256.4
1020.000	ZA	1.385	13.85	1413.0	AC Surf 16	0.254	2.54	258.9
1030.000	ZA	1.385	13.85	1426.8	AC Surf 16	0.254	2.54	261.4
1040.000	ZA	1.385	13.85	1440.7	AC Surf 16	0.254	2.54	264.0
1050.000	ZA	1.385	13.85	1454.5	AC Surf 16	0.254	2.54	266.5
1060.000	ZA	1.385	13.85	1468.4	AC Surf 16	0.254	2.54	269.0
1070.000	ZA	1.385	13.85	1482.2	AC Surf 16	0.254	2.54	271.6
1080.000	ZA	1.385	13.85	1496.1	AC Surf 16	0.254	2.54	274.1
1090.000	ZA	1.385	13.85	1509.9	AC Surf 16	0.254	2.54	276.7
Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 4								
PROYECTO :								
EJE: 65: Camino paralelo Izq. P.K. 106+400								

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1100.000	ZA	1.385	13.85	1523.8	AC Surf 16	0.254	2.54	279.2		
1110.000	ZA	1.385	13.85	1537.6	AC Surf 16	0.254	2.54	281.7		
1120.000	ZA	1.385	13.85	1551.5	AC Surf 16	0.254	2.54	284.3		
1130.000	ZA	1.385	13.85	1565.3	AC Surf 16	0.254	2.54	286.8		
1140.000	ZA	1.385	13.85	1579.2	AC Surf 16	0.254	2.54	289.4		
1150.000	ZA	1.385	13.85	1593.1	AC Surf 16	0.254	2.54	291.9		
1158.123	ZA	1.385	11.25	1604.3	AC Surf 16	0.254	2.06	294.0		
1160.000	ZA	1.385	2.60	1606.9	AC Surf 16	0.254	0.48	294.4		
1170.000	ZA	1.385	13.85	1620.8	AC Surf 16	0.254	2.54	297.0		
1180.000	ZA	1.385	13.85	1634.6	AC Surf 16	0.254	2.54	299.5		
1190.000	ZA	1.385	13.85	1648.5	AC Surf 16	0.254	2.54	302.0		
1200.000	ZA	1.385	13.85	1662.3	AC Surf 16	0.254	2.54	304.6		
1210.000	ZA	1.385	13.85	1676.2	AC Surf 16	0.254	2.54	307.1		
1220.000	ZA	1.385	13.85	1690.0	AC Surf 16	0.254	2.54	309.7		
1230.000	ZA	1.385	13.85	1703.9	AC Surf 16	0.254	2.54	312.2		
1240.000	ZA	1.385	13.85	1717.7	AC Surf 16	0.254	2.54	314.7		
1250.000	ZA	1.385	13.85	1731.6	AC Surf 16	0.254	2.54	317.3		
1260.000	ZA	1.385	13.85	1745.4	AC Surf 16	0.254	2.54	319.8		
1270.000	ZA	1.385	13.85	1759.3	AC Surf 16	0.254	2.54	322.3		
1280.000	ZA	1.385	13.85	1773.1	AC Surf 16	0.254	2.54	324.9		
1290.000	ZA	1.385	13.85	1787.0	AC Surf 16	0.254	2.54	327.4		
1300.000	ZA	1.385	13.85	1800.9	AC Surf 16	0.254	2.54	330.0		
1310.000	ZA	1.385	13.85	1814.7	AC Surf 16	0.254	2.54	332.5		
1320.000	ZA	1.385	13.85	1828.6	AC Surf 16	0.254	2.54	335.0		
1330.000	ZA	1.385	13.85	1842.4	AC Surf 16	0.254	2.54	337.6		
1340.000	ZA	1.385	13.85	1856.3	AC Surf 16	0.254	2.54	340.1		
1350.000	ZA	1.385	13.85	1870.1	AC Surf 16	0.254	2.54	342.7		
1360.000	ZA	1.385	13.85	1884.0	AC Surf 16	0.254	2.54	345.2		
1370.000	ZA	1.385	13.85	1897.8	AC Surf 16	0.254	2.54	347.7		
1380.000	ZA	1.385	13.85	1911.7	AC Surf 16	0.254	2.54	350.3		
1390.000	ZA	1.385	13.85	1925.5	AC Surf 16	0.254	2.54	352.8		
1400.000	ZA	1.385	13.85	1939.4	AC Surf 16	0.254	2.54	355.3		
1410.000	ZA	1.385	13.85	1953.2	AC Surf 16	0.254	2.54	357.9		
1420.000	ZA	1.385	13.85	1967.1	AC Surf 16	0.254	2.54	360.4		
1430.000	ZA	1.385	13.85	1980.9	AC Surf 16	0.254	2.54	363.0		
1440.000	ZA	1.385	13.85	1994.8	AC Surf 16	0.254	2.54	365.5		
1450.000	ZA	1.385	13.85	2008.6	AC Surf 16	0.254	2.54	368.0		
1460.000	ZA	1.385	13.85	2022.5	AC Surf 16	0.254	2.54	370.6		

1720.000	ZA	1.385	13.85	2382.7	AC Surf 16	0.254	2.54	436.6
1730.000	ZA	1.385	13.85	2396.5	AC Surf 16	0.254	2.54	439.1
1740.000	ZA	1.385	13.85	2410.4	AC Surf 16	0.254	2.54	441.6
1750.000	ZA	1.385	13.85	2424.2	AC Surf 16	0.254	2.54	444.2
1760.000	ZA	1.385	13.85	2438.1	AC Surf 16	0.254	2.54	446.7
1770.000	ZA	1.385	13.85	2451.9	AC Surf 16	0.254	2.54	449.3
1780.000	ZA	1.385	13.85	2465.8	AC Surf 16	0.254	2.54	451.8
1790.000	ZA	1.385	13.85	2479.7	AC Surf 16	0.254	2.54	454.3
1800.000	ZA	1.385	13.85	2493.5	AC Surf 16	0.254	2.54	456.9
1810.000	ZA	1.385	13.85	2507.4	AC Surf 16	0.254	2.54	459.4
1820.000	ZA	1.385	13.85	2521.2	AC Surf 16	0.254	2.54	461.9
1830.000	ZA	1.385	13.85	2535.1	AC Surf 16	0.254	2.54	464.5

Istram 18.05.05.29 17/01/19 18:07:46 1880 pagina 6

PROYECTO :

EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1840.000	ZA	1.385	13.85	2548.9	AC Surf 16	0.254	2.54	467.0		
1850.000	ZA	1.385	13.85	2562.8	AC Surf 16	0.254	2.54	469.6		
1860.000	ZA	1.385	13.85	2576.6	AC Surf 16	0.254	2.54	472.1		
1870.000	ZA	1.385	13.85	2590.5	AC Surf 16	0.254	2.54	474.6		
1880.000	ZA	1.385	13.85	2604.3	AC Surf 16	0.254	2.54	477.2		
1890.000	ZA	1.385	13.85	2618.2	AC Surf 16	0.254	2.54	479.7		
1900.000	ZA	1.385	13.85	2632.0	AC Surf 16	0.254	2.54	482.2		
1910.000	ZA	1.385	13.85	2645.9	AC Surf 16	0.254	2.54	484.8		
1920.000	ZA	1.385	13.85	2659.7	AC Surf 16	0.254	2.54	487.3		
1930.000	ZA	1.385	13.85	2673.6	AC Surf 16	0.254	2.54	489.9		
1940.000	ZA	1.385	13.85	2687.5	AC Surf 16	0.254	2.54	492.4		
1950.000	ZA	1.385	13.85	2701.3	AC Surf 16	0.254	2.54	494.9		
1960.000	ZA	1.385	13.85	2715.2	AC Surf 16	0.254	2.54	497.5		
1970.000	ZA	1.385	13.85	2729.0	AC Surf 16	0.254	2.54	500.0		
1980.000	ZA	1.385	13.85	2742.9	AC Surf 16	0.254	2.54	502.6		
1990.000	ZA	1.385	13.85	2756.7	AC Surf 16	0.254	2.54	505.1		
2000.000	ZA	1.385	13.85	2770.6	AC Surf 16	0.254	2.54	507.6		
2010.000	ZA	1.385	13.85	2784.4	AC Surf 16	0.254	2.54	510.2		
2020.000	ZA	1.385	13.85	2798.3	AC Surf 16	0.254	2.54	512.7		
2030.000	ZA	1.385	13.85	2812.1	AC Surf 16	0.254	2.54	515.2		
2040.000	ZA	1.385	13.85	2826.0	AC Surf 16	0.254	2.54	517.8		
2050.000	ZA	1.385	13.85	2839.8	AC Surf 16	0.254	2.54	520.3		
2060.000	ZA	1.385	13.85	2853.7	AC Surf 16	0.254	2.54	522.9		
2070.000	ZA	1.385	13.85	2867.6	AC Surf 16	0.254	2.54	525.4		
2080.000	ZA	1.385	13.85	2881.4	AC Surf 16	0.254	2.54	527.9		
2090.000	ZA	1.385	13.85	2895.3	AC Surf 16	0.254	2.54	530.5		
2100.000	ZA	1.385	13.85	2909.1	AC Surf 16	0.254	2.54	533.0		
2110.000	ZA	1.385	13.85	2923.0	AC Surf 16	0.254	2.54	535.5		
2120.000	ZA	1.385	13.85	2936.8	AC Surf 16	0.254	2.54	538.1		
2130.000	ZA	1.385	13.85	2950.7	AC Surf 16	0.254	2.54	540.6		
2140.000	ZA	1.385	13.85	2964.5	AC Surf 16	0.254	2.54	543.2		
2150.000	ZA	1.385	13.85	2978.4	AC Surf 16	0.254	2.54	545.7		
2160.000	ZA	1.385	13.85	2992.2	AC Surf 16	0.254	2.54	548.2		
2170.000	ZA	1.385	13.85	3006.1	AC Surf 16	0.254	2.54	550.8		
2180.000	ZA	1.385	13.85	3019.9	AC Surf 16	0.254	2.54	553.3		
2190.000	ZA	1.385	13.85	3033.8	AC Surf 16	0.254	2.54	555.8		
2200.000	ZA	1.385	13.85	3047.6	AC Surf 16	0.254	2.54	558.4		
2210.000	ZA	1.385	13.85	3061.5	AC Surf 16	0.254	2.54	560.9		

Istram 18.05.05.29 17/01/19 18:07:47 1880 pagina 7

PROYECTO :

EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2220.000	ZA	1.385	13.85	3075.4	AC Surf 16	0.254	2.54	563.5		
2230.000	ZA	1.385	13.85	3089.2	AC Surf 16	0.254	2.54	566.0		
2240.000	ZA	1.385	13.85	3103.1	AC Surf 16	0.254	2.54	568.5		
2250.000	ZA	1.385	13.85	3116.9	AC Surf 16	0.254	2.54	571.1		
2260.000	ZA	1.385	13.85	3130.8	AC Surf 16	0.254	2.54	573.6		
2270.000	ZA	1.385	13.85	3144.6	AC Surf 16	0.254	2.54	576.2		
2280.000	ZA	1.385	13.85	3158.5	AC Surf 16	0.254	2.54	578.7		
2290.000	ZA	1.385	13.85	3172.3	AC Surf 16	0.254	2.54	581.2		
2300.000	ZA	1.385	13.85	3186.2	AC Surf 16	0.254	2.54	583.8		
2310.000	ZA	1.385	13.85	3200.0	AC Surf 16	0.254	2.54	586.3		
2320.000	ZA	1.385	13.85	3213.9	AC Surf 16	0.254	2.54	588.8		
2330.000	ZA	1.385	13.85	3227.7	AC Surf 16	0.254	2.54	591.4		
2340.000	ZA	1.385	13.85	3241.6	AC Surf 16	0.254	2.54	593.9		
2350.000	ZA	1.385	13.85	3255.5	AC Surf 16	0.254	2.54	596.5		
2360.000	ZA	1.385	13.85	3269.3	AC Surf 16	0.254	2.54	599.0		
2370.000	ZA	1.385	13.85	3283.2	AC Surf 16	0.254	2.54	601.5		
2380.000	ZA	1.385	13.85	3297.0	AC Surf 16	0.254	2.54	604.1		
2390.000	ZA	1.385	13.85	3310.9	AC Surf 16	0.254	2.54	606.6		
2400.000	ZA	1.385	13.85	3324.7	AC Surf 16	0.254	2.54	609.1		
2410.000	ZA	1.385	13.85	3338.6	AC Surf 16	0.254	2.54	611.7		
2420.000	ZA	1.385	13.85	3352.4	AC Surf 16	0.254	2.54	614.2		
2430.000	ZA	1.385	13.85	3366.3	AC Surf 16	0.254	2.54	616.8		
2440.000	ZA	1.385	13.85	3380.1	AC Surf 16	0.254	2.54	619.3		
2450.000	ZA	1.385	13.85	3394.0	AC Surf 16	0.254	2.54	621.8		
2460.000	ZA	1.385	13.85	3407.8	AC Surf 16	0.254	2.54	624.4		
2470.000	ZA	1.385	13.85	3421.7	AC Surf 16	0.254	2.54	626.9		

2480.000	ZA	1.385	13.85	3435.5	AC Surf 16	0.254	2.54	629.5
2490.000	ZA	1.385	13.85	3449.4	AC Surf 16	0.254	2.54	632.0
2500.000	ZA	1.385	13.85	3463.2	AC Surf 16	0.254	2.54	634.5
2510.000	ZA	1.385	13.85	3477.1	AC Surf 16	0.254	2.54	637.1
2520.000	ZA	1.385	13.85	3490.9	AC Surf 16	0.254	2.54	639.6
2530.000	ZA	1.385	13.85	3504.8	AC Surf 16	0.254	2.54	642.1
2540.000	ZA	1.385	13.85	3518.6	AC Surf 16	0.254	2.54	644.7
2550.000	ZA	1.385	13.85	3532.5	AC Surf 16	0.254	2.54	647.2
2560.000	ZA	1.385	13.85	3546.3	AC Surf 16	0.254	2.54	649.8
2570.000	ZA	1.385	13.85	3560.2	AC Surf 16	0.254	2.54	652.3
2580.000	ZA	1.385	13.85	3574.1	AC Surf 16	0.254	2.54	654.8
2590.000	ZA	1.385	13.85	3587.9	AC Surf 16	0.254	2.54	657.4

Istram 18.05.05.29 17/01/19 18:07:47 1880 pagina 8

PROYECTO :

EJE: 65: Camino paralelo Izq. P.K. 106+400

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2600.000	ZA	1.385		13.85	3601.8	AC Surf 16	0.254		2.54	659.9
2610.000	ZA	1.385		13.85	3615.6	AC Surf 16	0.254		2.54	662.5
2620.000	ZA	1.385		13.85	3629.5	AC Surf 16	0.254		2.54	665.0
2630.000	ZA	1.385		13.85	3643.3	AC Surf 16	0.254		2.54	667.5
2640.000	ZA	1.385		13.85	3657.2	AC Surf 16	0.254		2.54	670.1
2650.000	ZA	1.385		13.85	3671.0	AC Surf 16	0.254		2.54	672.6
2660.000	ZA	1.385		13.85	3684.9	AC Surf 16	0.254		2.54	675.1
2670.000	ZA	1.385		13.85	3698.7	AC Surf 16	0.254		2.54	677.7
2680.000	ZA	1.385		13.85	3712.6	AC Surf 16	0.254		2.54	680.2
2690.000	ZA	1.385		13.85	3726.4	AC Surf 16	0.254		2.54	682.8
2700.000	ZA	1.385		13.85	3740.3	AC Surf 16	0.254		2.54	685.3
2710.000	ZA	1.385		13.85	3754.1	AC Surf 16	0.254		2.54	687.8
2720.000	ZA	1.385		13.85	3768.0	AC Surf 16	0.254		2.54	690.4
2730.000	ZA	1.385		13.85	3781.8	AC Surf 16	0.254		2.54	692.9
2740.000	ZA	1.385		13.85	3795.7	AC Surf 16	0.254		2.54	695.5
2750.000	ZA	1.385		13.85	3809.5	AC Surf 16	0.254		2.54	698.0
2760.000	ZA	1.385		13.85	3823.4	AC Surf 16	0.254		2.54	700.5
2770.000	ZA	1.385		13.85	3837.2	AC Surf 16	0.254		2.54	703.1
2780.000	ZA	1.385		13.85	3851.1	AC Surf 16	0.254		2.54	705.6
2790.000	ZA	1.385		13.85	3864.9	AC Surf 16	0.254		2.54	708.1
2800.000	ZA	1.385		13.85	3878.8	AC Surf 16	0.254		2.54	710.7
2810.000	ZA	1.385		13.85	3892.6	AC Surf 16	0.254		2.54	713.2
2820.000	ZA	1.385		13.85	3906.5	AC Surf 16	0.254		2.54	715.8
2830.000	ZA	1.385		13.85	3920.3	AC Surf 16	0.254		2.54	718.3
2840.000	ZA	1.385		13.85	3934.2	AC Surf 16	0.254		2.54	720.8
2850.000	ZA	1.385		13.85	3948.1	AC Surf 16	0.254		2.54	723.4
2860.000	ZA	1.385		13.85	3961.9	AC Surf 16	0.254		2.54	725.9
2870.000	ZA	1.385		13.85	3975.8	AC Surf 16	0.254		2.54	728.4
2880.000	ZA	1.385		13.85	3989.6	AC Surf 16	0.254		2.54	731.0
2884.228	ZA	1.385		5.86	3995.5	AC Surf 16	0.254		1.07	732.1
2890.000	ZA	1.385		8.00	4003.5	AC Surf 16	0.254		1.46	733.5
2900.000	ZA	1.385		13.85	4017.3	AC Surf 16	0.254		2.54	736.1
2907.212	ZA	1.385		9.99	4027.3	AC Surf 16	0.254		1.83	737.9
2910.000	ZA	1.385		3.86	4031.2	AC Surf 16	0.254		0.71	738.6
2920.000	ZA	1.385		13.85	4045.0	AC Surf 16	0.254		2.54	741.1
2930.000	ZA	1.385		13.85	4058.9	AC Surf 16	0.254		2.54	743.7
2940.000	ZA	1.385		13.85	4072.7	AC Surf 16	0.254		2.54	746.2
2950.000	ZA	1.385		13.85	4086.6	AC Surf 16	0.254		2.54	748.8

0.000

ZA

7.743

0.00

0.0

AC Surf 16

1.526

0.00

0.0

10.000

ZA

3.803

55.18

55.2

AC Surf 16

0.737

10.81

10.8

20.000

ZA

2.570

31.33

86.5

AC Surf 16

0.491

6.04

16.9

30.000

ZA

2.341

24.35

110.9

AC Surf 16

0.445

4.64

21.5

40.000

ZA

2.177

22.49

133.3

AC Surf 16

0.412

4.26

25.8

50.000

ZA

2.067

21.18

154.5

AC Surf 16

0.390

4.00

29.8

60.000

ZA

2.018

20.42

174.9

AC Surf 16

0.380

3.85

33.6

70.000

ZA

1.969

19.94

194.9

AC Surf 16

0.371

3.76

37.4

80.000

ZA

1.895

19.32

214.2

AC Surf 16

0.356

3.63

41.0

90.000

ZA

1.820

18.57

232.8

AC Surf 16

0.341

3.48

44.5

100.000

ZA

1.745

17.82

250.6

AC Surf 16

0.326

3.33

47.8

110.000

ZA

1.670

17.08

267.7

AC Surf 16

0.311

3.18

51.0

120.000

ZA

1.669

16.70

284.4

AC Surf 16

0.311

3.11

54.1

130.000

ZA

1.735

17.02

301.4

AC Surf 16

0.324

3.17

57.3

140.000

ZA

1.800

17.68

319.1

AC Surf 16

0.337

3.30

60.6

150.000

ZA

1.866

18.33

337.4

AC Surf 16

0.350

3.44

64.0

160.000

ZA

1.931

18.98

356.4

AC Surf 16

0.363

3.57

67.6

170.000

ZA

1.996

19.63

376.0

AC Surf 16

0.376

3.70

71.3

180.000

ZA

1.997

19.97

396.0

AC Surf 16

0.376

3.76

75.0

190.000

ZA

1.977

19.87

415.9

AC Surf 16

0.372

3.74

78.8

200.000

ZA

1.911

19.44

435.3

AC Surf 16

0.359

3.66

82.4

210.000

ZA

1.846

18.79

454.1

AC Surf 16

0.346

3.53

86.0

220.000

ZA

1.781

18.13

472.2

AC Surf 16

0.333

3.39

89.4

230.000

ZA

1.716

17.48

489.7

AC Surf 16

0.320

3.26

92.6

240.000

ZA

1.650

16.83

506.5

AC Surf 16

0.307

3.13

95.8

250.000

ZA

1.635

16.43

523.0

AC Surf 16

0.304

3.05

98.8

260.000

ZA

1.635

16.35

539.3

AC Surf 16

0.304

3.04

101.8

270.000

ZA

1.636

16.35

555.7

AC Surf 16

0.304

3.04

104.9

280.000

ZA

1.635

16.35

572.0

AC Surf 16

0.304

3.04

107.9

290.000

ZA

1.636

16.35

588.4

AC Surf 16

0.304

3.04

111.0

300.000

ZA

1.636

16.36

604.7

AC Surf 16

0.304

3.04

114.0

310.000

ZA

1.635

16.35

621.1

AC Surf 16

0.304

3.04

117.0

320.000

ZA

1.636

16.35

637.4

AC Surf 16

0.304

3.04

120.1

330.000

ZA

1.636

16.36

653.8

AC Surf 16

0.304

3.04

123.1

340.000

ZA

1.635

16.35

670.1

AC Surf 16

0.304

3.04

126.2

350.000

ZA

1.636

16.35

686.5

AC Surf 16

0.304

3.04

129.2

360.000

ZA

1.635

16.35

702.8

AC Surf 16

0.304

3.04

132.2

370.000

ZA

1.635

16.35

719.2

AC Surf 16

0.304

3.04

135.3

Istram 18.05.05.29 16/07/18 11:20:59

459

pagina

2

PROYECTO :

EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	ZA	1.635	16.35	735.5	AC Surf 16	0.304	3.04	138.3		
390.000	ZA	1.635	16.35	751.9	AC Surf 16	0.304	3.04	141.3		
400.000	ZA	1.635	16.35	768.3	AC Surf 16	0.304	3.04	144.4		
410.000	ZA	1.635	16.35	784.6	AC Surf 16	0.304	3.04	147.4		
420.000	ZA	1.635	16.35	801.0	AC Surf 16	0.304	3.04	150.5		
430.000	ZA	1.635	16.35	817.3	AC Surf 16	0.304	3.04	153.5		
440.000	ZA	1.634	16.35	833.7	AC Surf 16	0.304	3.04	156.5		
450.000	ZA	1.635	16.35	850.0	AC Surf 16	0.304	3.04	159.6		
460.000	ZA	1.636	16.35	866.4	AC Surf 16	0.304	3.04	162.6		
470.000	ZA	1.635	16.35	882.7	AC Surf 16	0.304	3.04	165.6		
480.000	ZA	1.635	16.35	899.1	AC Surf 16	0.304	3.04	168.7		
490.000	ZA	1.636	16.35	915.4	AC Surf 16	0.304	3.04	171.7		
500.000	ZA	1.635	16.35	931.8	AC Surf 16	0.304	3.04	174.8		
510.000	ZA	1.635	16.35	948.1	AC Surf 16	0.304	3.04	177.8		
520.000	ZA	1.636	16.35	964.5	AC Surf 16	0.304	3.04	180.8		
530.000	ZA	1.635	16.36	980.8	AC Surf 16	0.304	3.04	183.9		
540.000	ZA	1.635	16.35	997.2	AC Surf 16	0.304	3.04	186.9		
550.000	ZA	1.636	16.35	1013.5	AC Surf 16	0.304	3.04	190.0		
560.000	ZA	1.635	16.35	1029.9	AC Surf 16	0.304	3.04	193.0		
570.000	ZA	1.635	16.35	1046.2	AC Surf 16	0.304	3.04	196.0		
580.000	ZA	1.636	16.35	1062.6	AC Surf 16	0.304	3.04	199.1		
590.000	ZA	1.635	16.35	1078.9	AC Surf 16	0.304	3.04	202.1		
600.000	ZA	1.635	16.35	1095.3	AC Surf 16	0.304	3.04	205.1		
610.000	ZA	1.636	16.35	1111.6	AC Surf 16	0.304	3.04	208.2		
620.000	ZA	1.635	16.35	1128.0	AC Surf 16	0.304	3.04	211.2		
630.000	ZA	1.635	16.35	1144.3	AC Surf 16	0.304	3.04	214.3		
640.000	ZA	1.635	16.35	1160.7	AC Surf 16	0.304	3.04	217.3		
650.000	ZA	1.634	16.35	1177.0	AC Surf 16	0.304	3.04	220.3		
660.000	ZA	1.635	16.35	1193.4	AC Surf 16	0.304	3.04	223.4		
670.000	ZA	1.635	16.35	1209.7	AC Surf 16	0.304	3.04	226.4		
680.000	ZA	1.635	16.35	1226.1	AC Surf 16	0.304	3.04	229.5		
690.000	ZA	1.635	16.35	1242.5	AC Surf 16	0.304	3.04	232.5		
700.000	ZA	1.635	16.35	1258.8	AC Surf 16	0.304	3.04	235.5		
710.000	ZA	1.635	16.35	1275.2	AC Surf 16	0.304	3.04	238.6		
720.000	ZA	1.635	16.35	1291.5	AC Surf 16	0.304	3.04	241.6		
730.000	ZA	1.635	16.35	1307.9	AC Surf 16	0.304	3.04	244.6		
740.000	ZA	1.636	16.35	1324.2	AC Surf 16	0.304	3.04	247.7		
750.000	ZA	1.635	16.35	1340.6	AC Surf 16	0.304	3.04	250.7		

Istram 18.05.05.29 16/07/18 11:21:00

459

pagina

5

PROYECTO :

EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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Istram 18.05.05.29 16/07/18 11:21:00

459

pagina

5

PROYECTO :

EJE: 62: Camino paralelo Izq. P.K. 99+500

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
ZA	2483.7
AC Surf 16	463.1

Istram 18.05.05.29 17/01/19 18:26:51

1880

pagina

1

PROYECTO :

EJE: 61: V de servicio Izq. P.K. 117+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
=====									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.

0.000	ZA	7.274		0.00	0.0	ZA	6.929		0.00
	AC22 bin D	3.414		0.00	0.0	AC22 surf S	2.030		0.00
	Rellenos	2.183		0.00	0.0				
5.496	ZA	4.211		31.56	31.6	ZA	3.865		29.7
	AC22 bin D	1.883		14.56	14.6	AC22 surf S	1.112		8.6
	Rellenos	2.182		12.00	12.0				
10.000	ZA	3.298		16.53	48.1	ZA	2.953		14.96
	AC22 bin D	1.426		7.26	21.8	AC22 surf S	0.839		4.28
	Rellenos	1.602		7.85	19.8				
20.000	ZA	2.876		30.58	78.7	ZA	2.527		26.90
	AC22 bin D	1.214		12.96	34.8	AC22 surf S	0.710		7.60
	Rellenos	1.627		14.04	33.9				
30.000	ZA	2.747		28.55	107.2	ZA	2.368		24.47
	AC22 bin D	1.134		11.73	46.5	AC22 surf S	0.663		6.86
	Rellenos	1.658		14.86	48.7				
40.000	ZA	2.538		26.95	134.2	ZA	2.108		22.37
	AC22 bin D	1.004		10.69	57.2	AC22 surf S	0.584		6.23
	Rellenos	1.695		15.36	64.1				
42.458	ZA	2.474		6.29	140.5	ZA	2.044		5.10
	AC22 bin D	0.972		2.43	59.6	AC22 surf S	0.565		1.41
	Rellenos	1.692		3.84	67.9				
50.000	ZA	2.438		18.53	159.0	ZA	2.045		15.42
	AC22 bin D	0.972		7.33	67.0	AC22 surf S	0.565		4.26
	Rellenos	1.668		12.67	80.6				
60.000	ZA	2.396		24.17	183.2	ZA	2.043		20.44
	AC22 bin D	0.973		9.72	76.7	AC22 surf S	0.565		5.65
	Rellenos	1.642		16.55	97.2				
70.000	ZA	2.392		23.94	207.1	ZA	2.044		20.44
	AC22 bin D	0.972		9.72	86.4	AC22 surf S	0.565		5.65
	Rellenos	1.028		13.35	110.5				
80.000	ZA	2.351		23.71	230.8	ZA	2.044		20.44
	AC22 bin D	0.972		9.72	96.1	AC22 surf S	0.566		5.66
	Rellenos	1.073		10.51	121.0				
90.000	ZA	2.310		23.30	254.1	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	105.8	AC22 surf S	0.566		5.66
	Rellenos	1.097		10.85	131.9				

Istram 18.05.05.29 17/01/19 18:26:51 1880 pagina 2
PROYECTO :
EJE: 61: V de servicio Izq. P.K. 117+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
* * * cubicacion segun distancias compensadas * * *									
=====									
PERFIL	MATERIAL	AREA	PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA	PERFIL	VOL. PARCIAL VOL. ACUMUL.

100.000	ZA	2.296		23.03	277.1	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	115.6	AC22 surf S	0.567		5.67
	Rellenos	1.128		11.13	143.0				
110.000	ZA	2.297		22.96	300.1	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	125.3	AC22 surf S	0.566		5.67
	Rellenos	1.225		11.76	154.8				
120.000	ZA	2.296		22.96	323.1	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	135.0	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	167.0				
130.000	ZA	2.296		22.96	346.0	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	144.7	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	179.3				
140.000	ZA	2.296		22.96	369.0	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	154.4	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	191.5				
150.000	ZA	2.296		22.96	391.9	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	164.2	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	203.8				
160.000	ZA	2.295		22.96	414.9	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	173.9	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	216.0				
170.000	ZA	2.296		22.96	437.9	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	183.6	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	228.2				
180.000	ZA	2.296		22.96	460.8	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	193.3	AC22 surf S	0.567		5.67
	Rellenos	1.225		12.25	240.5				
190.000	ZA	2.296		22.96	483.8	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	203.0	AC22 surf S	0.567		5.67
	Rellenos	1.215		12.20	252.7				
200.000	ZA	2.296		22.96	506.7	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	212.8	AC22 surf S	0.567		5.67
	Rellenos	1.148		11.81	264.5				
210.000	ZA	2.295		22.96	529.7	ZA	2.045		20.45
	AC22 bin D	0.972		9.72	222.5	AC22 surf S	0.567		5.67
	Rellenos	0.944		10.46	275.0				

Istram 18.05.05.29 17/01/19 18:26:51 1880 pagina 3
PROYECTO :
EJE: 61: V de servicio Izq. P.K. 117+800

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

* * * cubicacion segun distancias compensadas * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
220.000	ZA	2.296	22.96	552.6	ZA	2.045	20.45	486.5
	AC22 bin D	0.972	9.72	232.2	AC22 surf S	0.567	5.67	135.6
	Rellenos	2.160	15.52	290.5				
230.000	ZA	2.297	22.96	575.6	ZA	2.045	20.45	506.9
	AC22 bin D	0.972	9.72	241.9	AC22 surf S	0.566	5.67	141.2
	Rellenos	2.066	21.13	311.6				
240.000	ZA	2.192	22.45	598.1	ZA	2.038	20.42	527.3
	AC22 bin D	0.972	9.72	251.6	AC22 surf S	0.567	5.67	146.9
	Rellenos	1.127	15.97	327.6				
250.000	ZA	2.296	22.44	620.5	ZA	2.045	20.42	547.8
	AC22 bin D	0.972	9.72	261.4	AC22 surf S	0.567	5.67	152.6
	Rellenos	2.160	16.44	344.0				
260.000	ZA	2.296	22.96	643.5	ZA	2.045	20.45	568.2
	AC22 bin D	0.972	9.72	271.1	AC22 surf S	0.567	5.67	158.2
	Rellenos	2.161	21.60	365.6				
270.000	ZA	2.296	22.96	666.4	ZA	2.045	20.45	588.7
	AC22 bin D	0.972	9.72	280.8	AC22 surf S	0.567	5.67	163.9
	Rellenos	2.160	21.60	387.2				
280.000	ZA	2.296	22.96	689.4	ZA	2.045	20.45	609.1
	AC22 bin D	0.972	9.72	290.5	AC22 surf S	0.567	5.67	169.6
	Rellenos	2.160	21.60	408.8				
290.000	ZA	2.308	23.02	712.4	ZA	2.045	20.45	629.6
	AC22 bin D	0.971	9.72	300.2	AC22 surf S	0.567	5.67	175.2
	Rellenos	1.444	18.02	426.9				
300.000	ZA	2.349	23.29	735.7	ZA	2.044	20.45	650.0
	AC22 bin D	0.972	9.72	310.0	AC22 surf S	0.566	5.67	180.9
	Rellenos	2.173	18.08	444.9				
310.000	ZA	2.391	23.70	759.4	ZA	2.044	20.44	670.4
	AC22 bin D	0.972	9.72	319.7	AC22 surf S	0.566	5.66	186.6
	Rellenos	2.180	21.77	466.7				
320.000	ZA	2.395	23.93	783.3	ZA	2.044	20.44	690.9
	AC22 bin D	0.972	9.72	329.4	AC22 surf S	0.564	5.65	192.2
	Rellenos	2.176	21.78	488.5				
330.000	ZA	2.436	24.16	807.5	ZA	2.044	20.44	711.3
	AC22 bin D	0.972	9.72	339.1	AC22 surf S	0.566	5.65	197.9
	Rellenos	2.193	21.85	510.3				

Istram 18.05.05.29 17/01/19 18:26:51 1880 pagina 4
PROYECTO :
EJE: 61: V微 de servicio Izq. P.K. 117+800

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
* * * cubicacion segun distancias compensadas * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
337.925	ZA	2.474	19.46	826.9	ZA	2.044	16.20	727.5
	AC22 bin D	0.972	7.70	346.8	AC22 surf S	0.565	4.48	202.3
	Rellenos	2.207	17.44	527.8				
340.000	ZA	2.523	5.30	832.2	ZA	2.093	4.29	731.8
	AC22 bin D	0.995	2.04	348.9	AC22 surf S	0.580	1.19	203.5
	Rellenos	2.208	4.60	532.4				
350.000	ZA	2.755	26.96	859.2	ZA	2.327	22.10	753.9
	AC22 bin D	1.113	10.54	359.4	AC22 surf S	0.650	6.14	209.7
	Rellenos	2.208	22.16	554.5				
360.000	ZA	2.924	29.01	888.2	ZA	2.494	24.09	778.0
	AC22 bin D	1.197	11.55	370.9	AC22 surf S	0.700	6.74	216.4
	Rellenos	2.208	22.16	576.7				
370.000	ZA	2.728	28.81	917.0	ZA	2.299	23.90	801.9
	AC22 bin D	1.099	11.45	382.4	AC22 surf S	0.642	6.69	223.1
	Rellenos	1.695	18.80	595.5				
378.988	ZA	2.507	23.86	940.9	ZA	2.124	19.75	821.7
	AC22 bin D	1.012	9.43	391.8	AC22 surf S	0.589	5.49	228.6
	Rellenos	1.245	12.54	608.0				
380.000	ZA	2.467	2.52	943.4	ZA	2.098	2.14	823.8
	AC22 bin D	0.999	1.02	392.8	AC22 surf S	0.582	0.59	229.2
	Rellenos	1.713	1.50	609.5				
390.000	ZA	2.133	23.00	966.4	ZA	1.845	19.71	843.5
	AC22 bin D	0.872	9.35	402.2	AC22 surf S	0.506	5.44	234.6
	Rellenos	1.117	14.15	623.7				
400.000	ZA	1.803	19.68	986.1	ZA	1.592	17.18	860.7
	AC22 bin D	0.746	8.09	410.3	AC22 surf S	0.431	4.68	239.3
	Rellenos	1.171	11.44	635.1				
410.000	ZA	1.356	15.80	1001.9	ZA	1.261	14.27	875.0
	AC22 bin D	0.606	6.76	417.0	AC22 surf S	0.354	3.92	243.2
	Rellenos	0.565	8.68	643.8				
412.109	ZA	1.176	2.67	1004.5	ZA	1.175	2.57	877.5
	AC22 bin D	0.573	1.24	418.3	AC22 surf S	0.335	0.73	244.0
	Rellenos	0.030	0.63	644.4				

Istram 18.05.05.29 17/01/19 18:26:51 1880 pagina 5
PROYECTO :
EJE: 61: V微 de servicio Izq. P.K. 117+800

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
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ZA	1004.5
ZA	877.5
AC22 bin D	418.3
AC22 surf S	244.0
Rellenos	644.4

1.2. MEDICIONES PARCIALES

MEDICIONES

Pág.: 1

Nivel1

Nivel2

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A-62 DUEÑAS-CIGALES

DEMOLICIONES

NUM.	CÓDIGO	UM	DESCRIPCIÓN																																																						
1	301.0020	m3	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO <i>i/</i> DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.																																																						
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td>Paso Superior 98+690</td><td></td><td></td><td>65,000</td><td>10,000</td><td>6,700</td><td>4.355,000</td><td>C#*D#*E#*F#</td></tr><tr><td>2</td><td>Paso Superior 106+527</td><td></td><td></td><td>65,000</td><td>6,200</td><td>6,750</td><td>2.720,250</td><td>C#*D#*E#*F#</td></tr><tr><td>3</td><td>Paso Superior 107+884</td><td></td><td></td><td>101,500</td><td>8,300</td><td>6,900</td><td>5.812,905</td><td>C#*D#*E#*F#</td></tr><tr><td>4</td><td>Paso Superior enlace acceso a Vall Norte</td><td></td><td></td><td>106,500</td><td>13,000</td><td>7,500</td><td>10.383,750</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>23.271,905</td><td></td></tr></table>				Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1	Paso Superior 98+690			65,000	10,000	6,700	4.355,000	C#*D#*E#*F#	2	Paso Superior 106+527			65,000	6,200	6,750	2.720,250	C#*D#*E#*F#	3	Paso Superior 107+884			101,500	8,300	6,900	5.812,905	C#*D#*E#*F#	4	Paso Superior enlace acceso a Vall Norte			106,500	13,000	7,500	10.383,750	C#*D#*E#*F#	TOTAL MEDICIÓN							23.271,905	
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																																																	
1	Paso Superior 98+690			65,000	10,000	6,700	4.355,000	C#*D#*E#*F#																																																	
2	Paso Superior 106+527			65,000	6,200	6,750	2.720,250	C#*D#*E#*F#																																																	
3	Paso Superior 107+884			101,500	8,300	6,900	5.812,905	C#*D#*E#*F#																																																	
4	Paso Superior enlace acceso a Vall Norte			106,500	13,000	7,500	10.383,750	C#*D#*E#*F#																																																	
TOTAL MEDICIÓN							23.271,905																																																		
2	301.0140	m²c	FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE <i>i/</i> CARGA, BARRIDO, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO <i>Y/O</i> GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.																																																						
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td></td><td></td><td></td><td>55.007,600</td><td>5,000</td><td></td><td>275.038,000</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>275.038,000</td><td></td></tr></table>				Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1				55.007,600	5,000		275.038,000	C#*D#*E#*F#	TOTAL MEDICIÓN							275.038,000																												
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																																																	
1				55.007,600	5,000		275.038,000	C#*D#*E#*F#																																																	
TOTAL MEDICIÓN							275.038,000																																																		
3	301.0040	m2	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR <i>i/</i> BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DEMOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.																																																						
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td></td><td></td><td>407.619,930</td><td></td><td></td><td></td><td>407.619,930</td><td>C#*D#*E#*F#</td></tr><tr><td>2</td><td>Viales anulados cerrados a movimientos</td><td></td><td>136.371,780</td><td></td><td></td><td></td><td>136.371,780</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>543.991,710</td><td></td></tr></table>				Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1			407.619,930				407.619,930	C#*D#*E#*F#	2	Viales anulados cerrados a movimientos		136.371,780				136.371,780	C#*D#*E#*F#	TOTAL MEDICIÓN							543.991,710																			
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																																																	
1			407.619,930				407.619,930	C#*D#*E#*F#																																																	
2	Viales anulados cerrados a movimientos		136.371,780				136.371,780	C#*D#*E#*F#																																																	
TOTAL MEDICIÓN							543.991,710																																																		
4	301.0010	m3	DEMOLICIÓN DE VOLUMEN APARENTE DE EDIFICACIÓN EXISTENTE <i>i/</i> DEMOLICIÓN DE LA CIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.																																																						
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td></td><td></td><td>9.296,000</td><td>4,500</td><td></td><td></td><td>41.832,000</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>41.832,000</td><td></td></tr></table>				Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1			9.296,000	4,500			41.832,000	C#*D#*E#*F#	TOTAL MEDICIÓN							41.832,000																												
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																																																	
1			9.296,000	4,500			41.832,000	C#*D#*E#*F#																																																	
TOTAL MEDICIÓN							41.832,000																																																		

Nivel1

Nivel2

Nivel3

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A-62 DUEÑAS-CIGALES

EXPLANACIONES

MOVIMIENTO DE TIERRAS

NUM.	CÓDIGO	UM	DESCRIPCIÓN
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Euro

MEDICIONES

Pág.: 2

1	300.0010	m2	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS <i>i/</i> DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.																																									
			MEDICIÓN DIRECTA			1.118.307,170																																						
2	320.0010	m3	EXCAVACIÓN DE TIERRA VEGETAL <i>i/</i> CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O ACOPIO DENTRO DE LA OBRA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS Y PAGO DE LOS CANONES DE OCUPACIÓN.																																									
			MEDICIÓN DIRECTA			220.996,500																																						
3	320.0020	m3	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS <i>i/</i> AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.																																									
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td>Saneos</td><td></td><td>189.441,500</td><td></td><td></td><td></td><td>189.441,500</td><td>C#*D#*E#*F#</td></tr><tr><td>2</td><td>Desmonte</td><td></td><td>882.383,400</td><td></td><td></td><td></td><td>882.383,400</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>1.071.824,900</td><td></td></tr></table>									Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1	Saneos		189.441,500				189.441,500	C#*D#*E#*F#	2	Desmonte		882.383,400				882.383,400	C#*D#*E#*F#	TOTAL MEDICIÓN							1.071.824,900	
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																																				
1	Saneos		189.441,500				189.441,500	C#*D#*E#*F#																																				
2	Desmonte		882.383,400				882.383,400	C#*D#*E#*F#																																				
TOTAL MEDICIÓN							1.071.824,900																																					
4	330.0020	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, <i>i/</i> EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.																																									
(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).																																												
			MEDICIÓN DIRECTA			584.874,100																																						
5	331.0010	m3	PEDRAPLÉN CON MATERIALES PROCEDENTES DE CANTERA, EXTENDIDO, HUMECTADO, NIVELADO Y COMPACTADO, INCLUSO P.P. DE SOBREALCHOS S/PG-3, COMPLETAMENTE TERMINADO <i>i/</i> MATERIAL, CANON DE PRÉSTAMO Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE CORONACIÓN Y REFINO DE TALUDES.																																									
			MEDICIÓN DIRECTA			193.232,600																																						
6	333.N010	m³	SUELO ADECUADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, <i>i/</i> EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO																																									
			MEDICIÓN DIRECTA			25.109,100																																						
7	333.N020	m³	SUELO SELECCIONADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, <i>i/</i> EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO																																									
			MEDICIÓN DIRECTA			106.805,400																																						
8	330.0050	m3	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLEN Y EN FONDO DE DESMONTE <i>i/</i> CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE LA SUPERFICIE.																																									

Euro

MEDICIONES

Pág.: 3

			MEDICIÓN DIRECTA	134.310,300
9	512.0030	m3	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
			MEDICIÓN DIRECTA	53.539,300
10	512.0060	m3	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
			MEDICIÓN DIRECTA	253.975,400
11	512.0010	m3	SUELO ESTABILIZADO "IN SITU" CON CEMENTO O CAL, TIPO S-EST1 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			MEDICIÓN DIRECTA	68.409,500
12	512.0020	m3	SUELO ESTABILIZADO "IN SITU" CON CEMENTO O CAL, TIPO S-EST2 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			MEDICIÓN DIRECTA	31.862,500
13	512.0050	m3	SUELO ESTABILIZADO "IN SITU" CON CEMENTO O CAL, TIPO S-EST2, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			MEDICIÓN DIRECTA	36.834,100
14	330.0060	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD.	
			MEDICIÓN DIRECTA	345.936,200
15	202.0020	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Suelo Estabilizado 1		68.409,500	2,100	0,020		2.873,199	C#*D#*E#*F#
2	Suelo Estabilizado 2 de tierras		31.862,500	2,100	0,030		2.007,338	C#*D#*E#*F#
3	Suelo Estabilizado 2 de préstamo		36.834,100	2,100	0,030		2.320,548	C#*D#*E#*F#
4	Suelo Estabilizado 3 de tierras		53.539,300	2,100	0,040		4.497,301	C#*D#*E#*F#
5	Suelo Estabilizado 3 de préstamo		253.975,400	2,100	0,040		21.333,934	C#*D#*E#*F#
							TOTAL MEDICIÓN	33.032,320

Nivel1 00 A-62 DUEÑAS-CIGALES

Euro

MEDICIONES

Pág.: 4

Nivel2	02	EXPLANACIONES			
Nivel3	02	CAMPAÑA GEOTÉCNICA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	306.0020	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DE LOS EQUIPOS DE SONDEO, i/ PRIMER EMPLAZAMIENTO Y TÉCNICO AUXILIAR.		
				MEDICIÓN DIRECTA	2,000
2	306.0030	ud	TRASLADO DE SONDA ENTRE PUNTOS A RECONOCER, INCLUSO EMPLAZAMIENTO (UNO MENOS QUE EL N° TOTAL DE PUNTOS).		
				MEDICIÓN DIRECTA	10,000
3	306.0040	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DEL CONJUNTO DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, O CUALQUIER OTRO EQUIPO ANÁLOGO.		
				MEDICIÓN DIRECTA	1,000
4	306.0050	ud	TRASLADO ENTRE PUNTOS A RECONOCER DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, ETC.		
				MEDICIÓN DIRECTA	10,000
5	306.0150	ud	TOMA DE MUESTRA INALTERADA CON TOMAMUESTRAS DE TIPO ABIERTO, A CUALQUIER PROFUNDIDAD.		
				MEDICIÓN DIRECTA	20,000
6	306.0170	ud	TESTIGO PARAFINADO DE LONGITUD L > 35 cm DE Y Ø > 70 mm, A CUALQUIER PROFUNDIDAD.		
				MEDICIÓN DIRECTA	20,000
7	306.0180	m	TUBO RANURADO DE PVC, DE DIÁMETRO Ø > 60 mm, COLOCADO EN EL INTERIOR DE SONDEO.		
				MEDICIÓN DIRECTA	210,000
8	306.0190	ud	EMBOCADURA Y TAPADO DE SONDEO i/ ARQUETA IDENTIFICADA CON LA DENOMINACIÓN DEL PUNTO, TOTALMENTE TERMINADA.		
				MEDICIÓN DIRECTA	12,000
9	306.0200	ud	TOMA DE MUESTRAS DE LAS AGUAS, EN SONDEO, DESTINADAS AL ANÁLISIS QUÍMICO.		
				MEDICIÓN DIRECTA	5,000
10	306.0210	ud	CAJA PORTATESTIGOS DE CARTÓN PARAFINADO i/ TRANSPORTE A ALMACÉN DESIGNADO, ROTULACIÓN Y FOTOGRAFÍA EN COLOR.		
				MEDICIÓN DIRECTA	60,000
11	306.0290	m	PENETRACIÓN DINÁMICA TIPO DPL, DPM, DPH Y DPSH, SEGÚN UNE EN ISO 22476-2, Y ENSAYO BORRO, SEGÚN UNE 103809, A CUALQUIER PROFUNDIDAD.		

Euro

MEDICIONES

Pág.: 5

				MEDICIÓN DIRECTA	200,000
12	306.0280	ud	ENSAYO DE PENETRACIÓN ESTÁNDAR SPT, A CUALQUIER PROFUNDIDAD Y EN CUALQUIER TIPO DE TERRENO, SEGÚN UNE EN ISO 22476-3.		
				MEDICIÓN DIRECTA	60,000
13	306.0550	ud	APERTURA Y PREPARACIÓN DE MUESTRAS DE ROCA, CUANDO UNA MISMA MUESTRA DEBA SERVIR PARA LA REALIZACIÓN DE MÁS DE UN ENSAYO. APLICABLE UNA SOLA VEZ POR MUESTRA.		
				MEDICIÓN DIRECTA	2,000
14	306.0560	ud	ANÁLISIS GRANULOMÉTRICO DE SUELOS POR TAMIZADO, UNE 103101.		
				MEDICIÓN DIRECTA	45,000
15	306.0580	ud	DETERMINACIÓN DE LOS LÍMITES LÍQUIDO Y PLÁSTICO DE UN SUELO (LÍMITES DE ATTERBERG), UNE 103103 Y UNE 103104.		
				MEDICIÓN DIRECTA	45,000
16	306.0680	ud	DETERMINACIÓN DEL CONTENIDO DE MATERIA ORGÁNICA OXIDABLE DE UN SUELO POR EL MÉTODO DEL PERMANGANATO POTÁSICO, UNE 103204.		
				MEDICIÓN DIRECTA	25,000
17	306.0700	ud	DETERMINACIÓN DEL CONTENIDO DE YESOS EN LOS SUELOS, UNE 103206.		
				MEDICIÓN DIRECTA	25,000
18	306.0690	ud	DETERMINACIÓN DEL CONTENIDO DE SALES SOLUBLES EN LOS SUELOS, UNE 103205.		
				MEDICIÓN DIRECTA	25,000
19	306.0430	ud	ENSAYO PRESIOMÉTRICO, CON CICLO INTERMEDIO DE CARGA-DESCARGA, BAJO DIRECCIÓN “IN SITU” DE TÉCNICO EXPERTO Y P.P. DE INFORME DE INTERPRETACIÓN.		
				MEDICIÓN DIRECTA	15,000
20	306.0730	ud	ENSAYO DE COMPACTACIÓN PRÓCTOR NORMAL, UNE 103500.		
				MEDICIÓN DIRECTA	15,000
21	306.0770	ud	ENSAYO PARA DETERMINAR EN LABORATORIO EL ÍNDICE C.B.R. DE UN SUELO PARA LA SOBRECARGA DE 4,5 kg DEFINIDA EN LA NORMA, UNE 103502.		
				MEDICIÓN DIRECTA	15,000
22	306.0320	ud	CALICATA MANUAL O MECÁNICA, INCLUSO FOTOGRAFÍAS EN COLOR Y REPOSICIÓN, Y TESTIFICACIÓN “IN SITU” A CARGO DE TÉCNICO EXPERTO.		
				MEDICIÓN DIRECTA	20,000
23	306.0330	ud	TOMA DE MUESTRA EN SACO EN CALICATA, CANTERA O ZONA CANTERABLE, ACOPIO U OTROS PUNTOS, DE MENOS DE 30 kg.		

Euro

MEDICIONES

Pág.: 6

			MEDICIÓN DIRECTA	20,000				
Nivel1	00	A-62 DUEÑAS-CIGALES						
Nivel2	03	DRENAJE						
Nivel3	01	DRENAJE LONGITUDINAL						
NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	430.0030	m	BAJANTE PREFABRICADA DE HORMIGÓN DE 0,50 m DE ANCHO INTERIOR <i>Y</i> SUMINISTRO, TRANSPORTE, EXCAVACIÓN, PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, REJUNTADO CON HORMIGÓN O MORTERO Y P.P. DE EMBOCADURAS Y REMATES.					
			MEDICIÓN DIRECTA	861,010				
2	414.0030	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 400 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>Y</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.					
			MEDICIÓN DIRECTA	1.014,000				
3	414.0080	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 600 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>Y</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.					
			MEDICIÓN DIRECTA	4.395,630				
4	414.0110	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 800 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>Y</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.					
			MEDICIÓN DIRECTA	1.910,500				
5	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1	Cuneta de desmonte en tronco 3 m		11.981,760	0,305			3.654,437	C#*D#*E#*F#
2	Cuneta de mediana 3 m		16.072,740	0,305			4.902,186	C#*D#*E#*F#
3	Cuneta de mediana 1.5 m		3.449,400	0,152			524,309	C#*D#*E#*F#
4	Cuneta ramales de enlace glorietas ycarreteras		6.103,590	0,153			933,849	C#*D#*E#*F#
5	Cuneta de caminos		2.945,000	0,110			323,950	C#*D#*E#*F#
6	Cuneta de guarda y pie de terraplén		25.399,780	0,163			4.140,164	C#*D#*E#*F#
7	Impermeabilización bermas		2.832,460	1,000	0,100		283,246	C#*D#*E#*F#
			TOTAL MEDICIÓN		14.762,141			
6	414.0050	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 500 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>Y</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.					
			MEDICIÓN DIRECTA	138,170				

Euro

MEDICIONES

Pág.: 7

7 410.0020 m3 HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ *¿* ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Arquetas Sumidero		202,000	1,620			327,240	C#*D#*E#*F#
2	Arquetas Sumidero para conexión a OD		25,000	1,750	2,000		87,500	C#*D#*E#*F#
3	Sumideros Viales		16,000	0,600			9,600	C#*D#*E#*F#
4	Pozo Filtrante		4,000	2,100			8,400	C#*D#*E#*F#
TOTAL MEDICIÓN							432,740	

8 413.0010 m CAZ DE HORMIGÓN PREFABRICADO *¿* SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN, AGOTAMIENTO Y ENTIBACIÓN, SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SOBANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DEL LECHO DE ASIENTO Y PERFILADO.

MEDICIÓN DIRECTA							3.357,370	
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9 321.0010 m3 EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO *¿* ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEÓ DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Tubos HA 400		1.014,000	0,610			618,540	C#*D#*E#*F#
2	Tubos HA 500		138,170	0,900			124,353	C#*D#*E#*F#
3	Tubos HA 600		4.395,630	1,250			5.494,538	C#*D#*E#*F#
4	Tubos HA 800		1.910,500	2,110			4.031,155	C#*D#*E#*F#
5	Tubos HA 1000		17,000	2,750			46,750	C#*D#*E#*F#
6	Cuneta de guarda y pie de terraplén		25.397,780	0,540			13.714,801	C#*D#*E#*F#
7	Arquetas Sumidero		202,000	2,500	2,500	2,000	2.525,000	C#*D#*E#*F#
8	Sumideros		16,000	1,500	1,500	1,000	36,000	C#*D#*E#*F#
9	Pozos Filtrantes		4,000	80,000			320,000	C#*D#*E#*F#
TOTAL MEDICIÓN							26.911,137	

10 332.0040 m3 RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA *¿* EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Tubos HA 400		1.014,000	0,610			618,540	C#*D#*E#*F#
2	Tubos HA 600		4.395,630	1,250			5.494,538	C#*D#*E#*F#
3	Tubos HA 800		1.910,500	2,110			4.031,155	C#*D#*E#*F#
4	Tubos HA 1000		17,000	2,750			46,750	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 8

5 Arquetas Sumidero 202,000 8,000 1.616,000 C#*D#*E#*F#
6 Sumideros 16,000 1,250 20,000 C#*D#*E#*F#

TOTAL MEDICIÓN							11.826,983	
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11 610.0020 m3 HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Tubos HA 500		138,170	1,660			229,362	C#*D#*E#*F#

TOTAL MEDICIÓN							229,362	
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12 416.N001 ud BADÉN SENCILLO DE 5 METROS EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 20 CM DE ESPESOR, SEGÚN PLANOS, TOTALMENTE COLOCADO.

MEDICIÓN DIRECTA							2,000	
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13 416.N002 ud BADÉN EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 30 CM DE ESPESOR Y 2 TUBOS DE Ø 500 MM, SEGÚN PLANOS, TOTALMENTE COLOCADO.

MEDICIÓN DIRECTA							7,000	
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14 415.N002 m SUMINISTRO Y COLOCACIÓN DE BORDILLO MONTABLE TIPO CLÁSICO DE DIMENSIONES 15X20 CMS

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Glorietas		1.043,600				1.043,600	C#*D#*E#*F#
2	Tronco y ramales		2.887,480				2.887,480	C#*D#*E#*F#

TOTAL MEDICIÓN							3.931,080	
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15 332.1000 m3 RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Pozos Filtrantes		4,000	80,000			320,000	C#*D#*E#*F#

TOTAL MEDICIÓN							320,000	
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16 290.0030 m2 GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 3 *¿* P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO SEPARADOR, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DE MÁS DE 18,5 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DE MÁS DE 17,7 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DE MÁS DE 60%, ELONGACIÓN TRANSVERSAL EN ROTURA DE MÁS DEL 60%, PUNZONAMIENTO ESTÁTICO (CBR) DE MÁS DE 3020 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DE MENOS DE 13 mm Y PERMEABILIDAD AL AGUA DE MÁS DE 7,3 10-6m²/s.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Pozos Filtrantes		4,000	106,600			426,400	C#*D#*E#*F#

TOTAL MEDICIÓN							426,400	
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17 414.0140 m TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA *¿* SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.

Euro

MEDICIONES

Pág.: 9

		MEDICIÓN DIRECTA		17,000																			
18	330.0060	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD.																				
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td>Rellenos longitudinal</td><td></td><td>3.125,400</td><td></td><td></td><td></td><td>3.125,400</td><td>C#*D#*E#*F#</td></tr></table>						Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1	Rellenos longitudinal		3.125,400				3.125,400	C#*D#*E#*F#
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula															
1	Rellenos longitudinal		3.125,400				3.125,400	C#*D#*E#*F#															
		TOTAL MEDICIÓN		3.125,400																			
19	410.N001	ud	CONSTRUCCION DE POZO DE REGISTRO PREFABRICADO HASTA UNA PROFUNDIDAD H MENOR DE 3 M PARA RED DE DRENAJE, INCLUSO EXCAVACIÓN, HORMIGÓN DE LIMPIEZA Y COLOCACIÓN. INCLUIDO MARCO Y TAPA DE REGISTRO Ø 80 CM DE FUNDICION GRIS GRAFITO ESFEROIDAL DUCTIL. TOTALMENTE COLOCADA Y LOSA DE HORMIGÓN ARMADO EN POZOS PREFABRICADOS, PARA SUJECCIÓN DE TAPAS DE REGISTRO, SEGÚN PLANOS. TOTALMENTE TERMINADO																				
		MEDICIÓN DIRECTA		5,000																			

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	01	ODT 98+130 MD
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
		MEDICIÓN DIRECTA		8,925
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
		MEDICIÓN DIRECTA		115,942
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
		MEDICIÓN DIRECTA		355,399
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
		MEDICIÓN DIRECTA		41,289
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	

Euro

MEDICIONES

Pág.: 10

			MEDICIÓN DIRECTA	2.890,220
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	39,677
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			MEDICIÓN DIRECTA	42,460
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	01	ODT 98+130 MD		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
			MEDICIÓN DIRECTA	100,905
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	234,098
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	723,521
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			MEDICIÓN DIRECTA	14,843
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	492,570
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN	
Euro				

MEDICIONES

Pág.: 11

				Y REFINO DE TALUDES (EN SU CASO).
				MEDICIÓN DIRECTA 429,009
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
				MEDICIÓN DIRECTA 65,100
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
				MEDICIÓN DIRECTA 90,997
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
				MEDICIÓN DIRECTA 29,738

Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	01	ODT 98+130 MD		
Nivel5	03	SALIDA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
				MEDICIÓN DIRECTA 8,925
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
				MEDICIÓN DIRECTA 115,942
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
				MEDICIÓN DIRECTA 128,223
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
				MEDICIÓN DIRECTA 41,289
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	

Euro

MEDICIONES

Pág.: 12

				MEDICIÓN DIRECTA 2.890,220
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
				MEDICIÓN DIRECTA 39,677

Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	02	ODT 98+130		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
				MEDICIÓN DIRECTA 8,925
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
				MEDICIÓN DIRECTA 115,942
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
				MEDICIÓN DIRECTA 748,498
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
				MEDICIÓN DIRECTA 41,289
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
				MEDICIÓN DIRECTA 2.890,220
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
				MEDICIÓN DIRECTA 39,677
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
				MEDICIÓN DIRECTA 122,727

Euro

MEDICIONES

Pág.: 13

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	02	ODT 98+130
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 568,308
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 1.318,466
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 6.469,965
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 83,596
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 3.569,704
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.801,206
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 366,650
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

Euro

MEDICIONES

Pág.: 14

			MEDICIÓN DIRECTA 512,533
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 114,172

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	02	ODT 98+130
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 8,925
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 115,942
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 262,437
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 41,289
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 2.890,220
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 39,677
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.

Euro

MEDICIONES

Pág.: 15

MEDICIÓN DIRECTA				42,443
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	03	ODT 99+400		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
MEDICIÓN DIRECTA				6,790
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
MEDICIÓN DIRECTA				65,872
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
MEDICIÓN DIRECTA				487,506
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
MEDICIÓN DIRECTA				1.339,703
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
MEDICIÓN DIRECTA				26,058
6	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	
MEDICIÓN DIRECTA				9,120
7	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	
MEDICIÓN DIRECTA				21,660
8	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	

Euro

MEDICIONES

Pág.: 16

MEDICIÓN DIRECTA				19,139
9	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	
MEDICIÓN DIRECTA				13,676
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	03	ODT 99+400		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
MEDICIÓN DIRECTA				5.962,874
2	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
MEDICIÓN DIRECTA				160,191
3	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
MEDICIÓN DIRECTA				458,586
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
MEDICIÓN DIRECTA				44,602
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
MEDICIÓN DIRECTA				2.834,438
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
MEDICIÓN DIRECTA				2.447,467

Euro

MEDICIONES

Pág.: 17

7	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 38,320
8	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 917,610
9	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 22.389,048
10	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 248,767
11	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.
			MEDICIÓN DIRECTA 125,640
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales
			MEDICIÓN DIRECTA 452,304
13	681.0010	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.
			MEDICIÓN DIRECTA 376,920
14	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 615,036

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	03	ODT 99+400
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 6,790

Euro

MEDICIONES

Pág.: 18

2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 65,872
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 493,313
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 1.339,703
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 26,058
6	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.
			MEDICIÓN DIRECTA 9,120
7	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales
			MEDICIÓN DIRECTA 21,660
8	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 19,139
9	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 15,149
10	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 26,800
11	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.

Euro

MEDICIONES

Pág.: 19

				MEDICIÓN DIRECTA	10,560
12	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	0,795
13	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA		
				MEDICIÓN DIRECTA	1,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	04	ODT 100+675
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>Y</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 295,999
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>Y</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>Y</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 43,976

Euro

MEDICIONES

Pág.: 20

7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			MEDICIÓN DIRECTA	49,210

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	04	ODT 100+675
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>Y</i> / TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 415,597
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>Y</i> / P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 944,451
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 4.671,470
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 52,064
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>Y</i> / EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.033,228
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>Y</i> / CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.678,829
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>Y</i> / SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.

Euro

MEDICIONES

Pág.: 21

MEDICIÓN DIRECTA					274,020
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
MEDICIÓN DIRECTA					381,756
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
MEDICIÓN DIRECTA					77,640

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	04	ODT 100+675			
Nivel5	03	SALIDA			

NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
MEDICIÓN DIRECTA					10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
MEDICIÓN DIRECTA					143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
MEDICIÓN DIRECTA					166,953
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
MEDICIÓN DIRECTA					50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
MEDICIÓN DIRECTA					3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		

Euro

MEDICIONES

Pág.: 22

MEDICIÓN DIRECTA					43,976
Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	05	ODT 100+675 MI			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
MEDICIÓN DIRECTA					10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
MEDICIÓN DIRECTA					143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
MEDICIÓN DIRECTA					60,632
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
MEDICIÓN DIRECTA					50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
MEDICIÓN DIRECTA					3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
MEDICIÓN DIRECTA					43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
MEDICIÓN DIRECTA					22,592

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	05	ODT 100+675 MI			

Euro

MEDICIONES

Pág.: 23

Nivel502CUERPO			
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
MEDICIÓN DIRECTA			55,419
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
MEDICIÓN DIRECTA			125,941
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
MEDICIÓN DIRECTA			327,320
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
MEDICIÓN DIRECTA			6,943
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
MEDICIÓN DIRECTA			186,598
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
MEDICIÓN DIRECTA			28,867
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
MEDICIÓN DIRECTA			36,540
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
MEDICIÓN DIRECTA			125,636
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
Euro			

MEDICIONES

Pág.: 24

			MEDICIÓN DIRECTA	50,906
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	05	ODT 100+675 MI		
Nivel5	03	SALIDA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	434,994
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			MEDICIÓN DIRECTA	49,210
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	06	ODT 101+168 MD		
Euro				

MEDICIONES

Pág.: 25

Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
		MEDICIÓN DIRECTA	3,471	
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
		MEDICIÓN DIRECTA	48,581	
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
		MEDICIÓN DIRECTA	84,264	
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
		MEDICIÓN DIRECTA	13,187	
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
		MEDICIÓN DIRECTA	923,124	
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
		MEDICIÓN DIRECTA	22,481	
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
		MEDICIÓN DIRECTA	15,454	

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	06	ODT 101+168 MD
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>i/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
		MEDICIÓN DIRECTA	28,036	

Euro

MEDICIONES

Pág.: 26

2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>i/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
		MEDICIÓN DIRECTA	85,656
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
		MEDICIÓN DIRECTA	625,848
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
		MEDICIÓN DIRECTA	13,600
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>i/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
		MEDICIÓN DIRECTA	517,643
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
		MEDICIÓN DIRECTA	389,992
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>i/</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
		MEDICIÓN DIRECTA	11,930
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
		MEDICIÓN DIRECTA	18,014
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
		MEDICIÓN DIRECTA	19,444

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL

Euro

MEDICIONES

Pág.: 27

Nivel4	06	ODT 101+168 MD		
Nivel5	03	SALIDA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
		MEDICIÓN DIRECTA	3,471	
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO /I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
		MEDICIÓN DIRECTA	48,581	
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO /I/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
		MEDICIÓN DIRECTA	22,874	
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
		MEDICIÓN DIRECTA	13,187	
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, /I/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
		MEDICIÓN DIRECTA	923,124	
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA /I/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
		MEDICIÓN DIRECTA	22,481	

Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	07	ODT 101+168		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
		MEDICIÓN DIRECTA	3,471	
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO /I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	

Euro

MEDICIONES

Pág.: 28

		MEDICIÓN DIRECTA	48,581	
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO /I/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
		MEDICIÓN DIRECTA	81,656	
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
		MEDICIÓN DIRECTA	13,187	
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, /I/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
		MEDICIÓN DIRECTA	923,124	
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA /I/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
		MEDICIÓN DIRECTA	22,481	
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
		MEDICIÓN DIRECTA	4,521	

Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	07	ODT 101+168		
Nivel5	02	CUERPO		

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL /I/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
		MEDICIÓN DIRECTA	111,390	
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 /I/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
		MEDICIÓN DIRECTA	340,327	
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O	

Euro

MEDICIONES

Pág.: 29

				ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
				MEDICIÓN DIRECTA 4.245,618
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
				MEDICIÓN DIRECTA 54,036
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
				MEDICIÓN DIRECTA 2.088,207
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
				MEDICIÓN DIRECTA 1.558,986
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
				MEDICIÓN DIRECTA 47,400
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
				MEDICIÓN DIRECTA 71,574
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
				MEDICIÓN DIRECTA 69,102

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	07	ODT 101+168
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 30

				MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
				MEDICIÓN DIRECTA 113,745
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
				MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
				MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
				MEDICIÓN DIRECTA 22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
				MEDICIÓN DIRECTA 24,155

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	08	ODT 101+168 MI
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

				MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	

				MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	

Euro

MEDICIONES

Pág.: 31

				MEDICIÓN DIRECTA	8,308
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, /I/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA /I/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	08	ODT 101+168 MI
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA
			16,732
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA
			51,121
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA
			180,492
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA
			8,117
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Euro

MEDICIONES

Pág.: 32

				MEDICIÓN DIRECTA	187,968
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE /I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	194,234
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA /I/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	7,120
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	10,751
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO /I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	12,710

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	08	ODT 101+168 MI
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 66,104
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.

Euro

MEDICIONES

Pág.: 33

				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>í</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>í</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTE S, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	15,454

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	09	ODT 103+933
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 4,712
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>í</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 3.723,250
3	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>í</i> / CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 3.230,750
4	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ <i>í</i> / ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
			MEDICIÓN DIRECTA 149,020

Nivel1	00	A-62 DUEÑAS-CIGALES
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Euro

MEDICIONES

Pág.: 34

Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	09	ODT 103+933
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>í/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 132,580
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>í/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 358,913
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>í/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 2.763,346
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 53,979
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>í/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 703,148
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>í/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.808,770
7	414.N280	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 2200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>í/</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 47,350
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

Euro

MEDICIONES

Pág.: 35

				MEDICIÓN DIRECTA	32,256
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	55,191
10	423.N001	m	HINCA DE TUBERÍA DE HORMIGÓN ARMADO Ø 2200 MM, EN CUALQUIER TIPO DE TERRENO Y POR CUALQUIER PROCEDIMIENTO CONSTRUCTIVO, INCLUSO DESPLAZAMIENTO DE MAQUINARIA A OBRA, POZOS DE ATAQUE Y SALIDA, TUBERÍA, EXCAVACIÓN, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO DE TUBOS, DISPOSICIÓN Y EMPUJE, AGOTAMIENTO Y SELLADO DE JUNTAS		
				MEDICIÓN DIRECTA	140,740
11	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	162,979

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	09	ODT 103+933
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

				MEDICIÓN DIRECTA	3,824
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		

				MEDICIÓN DIRECTA	66,684
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		

				MEDICIÓN DIRECTA	190,308
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		

				MEDICIÓN DIRECTA	18,346
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		

Euro

MEDICIONES

Pág.: 36

				MEDICIÓN DIRECTA	1.284,251
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	28,380
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	36,767

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	10	ODT 105+117 MD
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

				MEDICIÓN DIRECTA	10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		

				MEDICIÓN DIRECTA	143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		

				MEDICIÓN DIRECTA	530,934
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		

				MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		

				MEDICIÓN DIRECTA	3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		

				MEDICIÓN DIRECTA	43,976
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Euro

MEDICIONES

Pág.: 37

7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 62,475

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	10	ODT 105+117 MD
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 167,324
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 369,813
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 1.376,005
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 16,165
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 553,020
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 490,061
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.

Euro

MEDICIONES

Pág.: 38

			MEDICIÓN DIRECTA 113,440
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 157,384
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 37,938

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	10	ODT 105+117 MD
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 241,044
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 39

MEDICIÓN DIRECTA				43,976
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	11	ODT 105+117		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
MEDICIÓN DIRECTA				10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
MEDICIÓN DIRECTA				143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
MEDICIÓN DIRECTA				305,545
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
MEDICIÓN DIRECTA				50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
MEDICIÓN DIRECTA				3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
MEDICIÓN DIRECTA				43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
MEDICIÓN DIRECTA				43,309

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	11	ODT 105+117

Euro

MEDICIONES

Pág.: 40

Nivel5

02

CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 504,450
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 1.114,916
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 6.114,618
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 48,735
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.461,682
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.925,075
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 342,000
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 474,482
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 41

MEDICIÓN DIRECTA			77,936
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	11	ODT 105+117
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
MEDICIÓN DIRECTA			10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
MEDICIÓN DIRECTA			143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
MEDICIÓN DIRECTA			645,799
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
MEDICIÓN DIRECTA			50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
MEDICIÓN DIRECTA			3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
MEDICIÓN DIRECTA			43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
MEDICIÓN DIRECTA			24,160

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	12	ODT 105+117 MI

Euro

MEDICIONES

Pág.: 42

Nivel5	01	ENTRADA
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NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
MEDICIÓN DIRECTA			10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
MEDICIÓN DIRECTA			143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
MEDICIÓN DIRECTA			303,565
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
MEDICIÓN DIRECTA			50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
MEDICIÓN DIRECTA			3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
MEDICIÓN DIRECTA			43,976

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	12	ODT 105+117 MI
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
MEDICIÓN DIRECTA			81,302

2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
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Euro

MEDICIONES

Pág.: 43

				MEDICIÓN DIRECTA	179,691
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	900,341
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	7,855
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	216,415
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	208,009
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	55,120
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	76,472
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	27,732

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	12	ODT 105+117 MI
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

Euro

MEDICIONES

Pág.: 44

				MEDICIÓN DIRECTA	10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	541,680
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	61,650

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	13	ODT 106+200
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

				MEDICIÓN DIRECTA	3,471
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2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
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Euro

MEDICIONES

Pág.: 45

			MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	944,044
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			MEDICIÓN DIRECTA	91,944

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	13	ODT 106+200
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
			MEDICIÓN DIRECTA	195,755
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	598,086
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O	

Euro

Euro

MEDICIONES

Pág.: 46

				ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	11.900,238	
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.			
				MEDICIÓN DIRECTA	94,962	
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
				MEDICIÓN DIRECTA	4.988,004	
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
				MEDICIÓN DIRECTA	3.122,084	
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.			
				MEDICIÓN DIRECTA	83,300	
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
				MEDICIÓN DIRECTA	125,816	
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
				MEDICIÓN DIRECTA	119,362	

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	13	ODT 106+200
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		

Euro

MEDICIONES

Pág.: 47

				MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	792,296
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	15,460

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	14	ODT 106+800			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		

Euro

MEDICIONES

Pág.: 48

				MEDICIÓN DIRECTA	548,108
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.		
				MEDICIÓN DIRECTA	16,302

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	14	ODT 106+800			
Nivel5	02	CUERPO			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.		
				MEDICIÓN DIRECTA	227,574
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6m²/s.		
				MEDICIÓN DIRECTA	695,301
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	13.225,732
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		

Euro

MEDICIONES

Pág.: 49

				MEDICIÓN DIRECTA	110,398
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	5.248,244
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	3.481,398
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	96,840
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	146,267
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	138,318

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	14	ODT 106+800
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 50

				MEDICIÓN DIRECTA	532,916
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.		
				MEDICIÓN DIRECTA	14,691
8	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.		
				MEDICIÓN DIRECTA	26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.		
				MEDICIÓN DIRECTA	10,560
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	0,795
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA		
				MEDICIÓN DIRECTA	1,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	15	ODTE 21
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
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Euro

MEDICIONES

Pág.: 51

1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 87,724
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 15,453

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	15	ODTE 21
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 14,241
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1400 N

MEDICIONES

Pág.: 52

			1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6m²/s.
			MEDICIÓN DIRECTA 43,510
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 115,685
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 6,908
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 356,328
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 227,129
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 6,060
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 9,153
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 11,226

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	15	ODTE 21
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
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Euro

MEDICIONES

Pág.: 53

1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 0,000
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 0,000
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 0,000
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 0,000
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 0,000
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 0,000
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 0,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	16	ODT 107+051
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 54

			MEDICIÓN DIRECTA 51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 249,823
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 11,843

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	16	ODT 107+051
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 143,938
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 439,769
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE

Euro

MEDICIONES

Pág.: 55

			DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 8.673,357
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 69,825
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>¿</i> / EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.197,650
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>¿</i> / CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.858,325
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>¿</i> / SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 61,250
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 92,512
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 88,492

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	16	ODT 107+051
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 56

			MEDICIÓN DIRECTA 51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 367,680
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 13,647
8	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>¿</i> / P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.
			MEDICIÓN DIRECTA 10,560
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ <i>¿</i> / ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
			MEDICIÓN DIRECTA 0,795
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA
			MEDICIÓN DIRECTA 1,000

Euro

MEDICIONES

Pág.: 57

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 298,354
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 12,643
Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	17	ODT 108+150	
Nivel5	02	CUERPO	
NUM.	CÓDIGO	UM	DESCRIPCIÓN

Euro

MEDICIONES

Pág.: 58

1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 164,618
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10 -6/m²/s HASTA 5,4 10 -6/m²/s.
			MEDICIÓN DIRECTA 502,952
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 6.365,444
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 79,857
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.855,238
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.232,494
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 70,050
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 108,458
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 106,524

Euro

MEDICIONES

Pág.: 59

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	17	ODT 108+150	
Nivel5	03	SALIDA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 669,640
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 16,103
8	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6m²/s.

Euro

MEDICIONES

Pág.: 60

			MEDICIÓN DIRECTA 26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.
			MEDICIÓN DIRECTA 10,560
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
			MEDICIÓN DIRECTA 0,795
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA
			MEDICIÓN DIRECTA 1,000

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	18	ODT 108+660	
Nivel5	01	ENTRADA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 422,830
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.

Euro

MEDICIONES

Pág.: 61

			MEDICIÓN DIRECTA	963,859
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	
			MEDICIÓN DIRECTA	14,858
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	18	ODT 108+660		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
			MEDICIÓN DIRECTA	163,842
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	500,583
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	6.335,456
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			MEDICIÓN DIRECTA	79,481
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	3.516,677
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
Euro				

MEDICIONES

Pág.: 62

			MEDICIÓN DIRECTA	2.428,348
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			MEDICIÓN DIRECTA	69,720
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	105,305
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	100,350
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	18	ODT 108+660		
Nivel5	03	SALIDA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	51,650
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	538,449
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	13,769
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
Euro				

MEDICIONES

Pág.: 63

6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	MEDICIÓN DIRECTA	963,859
				MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	MEDICIÓN DIRECTA	15,436
				MEDICIÓN DIRECTA	26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	MEDICIÓN DIRECTA	10,560
				MEDICIÓN DIRECTA	0,795
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	MEDICIÓN DIRECTA	1,000
				MEDICIÓN DIRECTA	1,000

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	19	ODT 112+431 MD	
Nivel5	01	ENTRADA	
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 64

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	MEDICIÓN DIRECTA	665,057
				MEDICIÓN DIRECTA	50,371
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	MEDICIÓN DIRECTA	50,371
				MEDICIÓN DIRECTA	3,525,944
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	MEDICIÓN DIRECTA	3,525,944
				MEDICIÓN DIRECTA	43,976
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	MEDICIÓN DIRECTA	43,976
				MEDICIÓN DIRECTA	60,241
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	MEDICIÓN DIRECTA	60,241
				MEDICIÓN DIRECTA	60,241

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	19	ODT 112+431 MD	
Nivel5	02	CUERPO	
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 65

				MEDICIÓN DIRECTA	2,287,481
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	16,553
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>i/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	603,306
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	522,865
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>i/</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	116,160
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	161,157
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	38,414

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	19	ODT 112+431 MD	
Nivel5	03	SALIDA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			143,184

Euro

MEDICIONES

Pág.: 66

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	631,508
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	3,525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	62,710

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	20	ODT 112+431
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 67

				MEDICIÓN DIRECTA	3.925,266
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	62,710

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	20	ODT 112+431
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA
			597,552
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA
			1.320,686
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA
			10.133,064
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.

Euro

MEDICIONES

Pág.: 68

				MEDICIÓN DIRECTA	57,730
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	2.078,266
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	1.808,861
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	405,120
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	562,053
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	88,982

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	20	ODT 112+431
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			10,289
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			143,184
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 69

				MEDICIÓN DIRECTA	1.092,262
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	50,371
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>í</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	3.525,944
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>í</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	43,976
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	64,392

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	21	ODT 113+260
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>í</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>í</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 322,123
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187

Euro

MEDICIONES

Pág.: 70

5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>í</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>í</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.		
				MEDICIÓN DIRECTA	6,272

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	21	ODT 113+260
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>í/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 114,351
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>í/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 695,301
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>í/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 4.883,518
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 55,472
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>í/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.983,382

Euro

MEDICIONES

Pág.: 71

6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE ¿/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.550,794
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA ¿/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 48,660
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 73,496
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO ¿/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 70,866

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	21	ODT 113+260
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO ¿/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO ¿/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 465,126
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.

Euro

MEDICIONES

Pág.: 72

			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, ¿/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA ¿/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 13,154
8	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 ¿/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.
			MEDICIÓN DIRECTA 10,560
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ ¿/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
			MEDICIÓN DIRECTA 0,795
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA
			MEDICIÓN DIRECTA 1,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	22	ODT 0+910
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 2,453

Euro

MEDICIONES

Pág.: 73

2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 120,816
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 12,939

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	22	ODT 0+910
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 30,100
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.

Euro

MEDICIONES

Pág.: 74

			MEDICIÓN DIRECTA 94,920
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 1.166,060
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 15,960
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 549,920
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 438,200
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 14,000
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 19,194
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 17,784

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	22	ODT 0+910
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

Euro

MEDICIONES

Pág.: 75

				MEDICIÓN DIRECTA	2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	15,911
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	2,604

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	23	ODT 1+189
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 76

				MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	291,122
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	25,758

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	23	ODT 1+189
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O

Euro

MEDICIONES

Pág.: 77

				ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
				MEDICIÓN DIRECTA 917,572
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
				MEDICIÓN DIRECTA 15,538
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
				MEDICIÓN DIRECTA 359,832
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
				MEDICIÓN DIRECTA 371,826
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
				MEDICIÓN DIRECTA 13,630
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
				MEDICIÓN DIRECTA 18,687
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
				MEDICIÓN DIRECTA 17,377

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	23	ODT 1+189
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

MEDICIÓN DIRECTA 2,453

Euro

MEDICIONES

Pág.: 78

				MEDICIÓN DIRECTA 37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
				MEDICIÓN DIRECTA 108,172
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
				MEDICIÓN DIRECTA 10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
				MEDICIÓN DIRECTA 702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
				MEDICIÓN DIRECTA 17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
				MEDICIÓN DIRECTA 8,842

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	24	ODT 1+698
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

MEDICIÓN DIRECTA 2,453

2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
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MEDICIÓN DIRECTA 37,936

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
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Euro

MEDICIONES

Pág.: 79

				MEDICIÓN DIRECTA	25,224
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	12,939

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	24	ODT 1+698
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 31,433
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 99,124
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 1.146,062
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.

Euro

MEDICIONES

Pág.: 80

				MEDICIÓN DIRECTA	16,667
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	607,461
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	467,548
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	14,620
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	20,044
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	18,466

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	24	ODT 1+698
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 81

				MEDICIÓN DIRECTA	6,325
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	5,976

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	25	ODT 113+717
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA
			248,799
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA
			13,187

Euro

MEDICIONES

Pág.: 82

5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			MEDICIÓN DIRECTA	15,460

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	25	ODT 113+717
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 96,891
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 296,027
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 3.425,388
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 47,002
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Euro

MEDICIONES

Pág.: 83

				MEDICIÓN DIRECTA	1.217,110
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	1.166,809
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	41,230
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	62,274
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	60,464

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	25	ODT 113+717
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA
			21,644
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.

Euro

MEDICIONES

Pág.: 84

				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	15,460

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	26	ODT 2+200
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			0,896

2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
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				MEDICIÓN DIRECTA	168,140
3	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		

				MEDICIÓN DIRECTA	140,770
4	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	10,523

Nivel1	00	A-62 DUEÑAS-CIGALES
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Euro

MEDICIONES

Pág.: 85

Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	26	ODT 2+200
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
MEDICIÓN DIRECTA			25,671
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
MEDICIÓN DIRECTA			80,953
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
MEDICIÓN DIRECTA			733,713
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
MEDICIÓN DIRECTA			13,612
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
MEDICIÓN DIRECTA			328,828
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
MEDICIÓN DIRECTA			284,000
7	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
MEDICIÓN DIRECTA			16,370
8	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 86

			MEDICIÓN DIRECTA					15,436
9	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1						11,940	11,940	C#*D#*E#*F#
2								C#*D#*E#*F#
			TOTAL MEDICIÓN					11,940

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	26	ODT 2+200
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
MEDICIÓN DIRECTA				3,063
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
MEDICIÓN DIRECTA				47,745
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
MEDICIÓN DIRECTA				58,329
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
MEDICIÓN DIRECTA				13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
MEDICIÓN DIRECTA				923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	

Euro

MEDICIONES

Pág.: 87

				MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	2,840

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	27	ODT 114+514
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 33,624
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 224,569
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 531,797
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 6.500,930
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 86,143
6	658.0030	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 108,357
7	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.

Euro

MEDICIONES

Pág.: 88

				MEDICIÓN DIRECTA	12,940
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
				MEDICIÓN DIRECTA	74,472
9	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	92,870

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	27	ODT 114+514
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 34.154,635
2	510.0010	m3	ZAHORRA ARTIFICIAL <i>i/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEORICO.
			MEDICIÓN DIRECTA 360,219
3	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>i/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 937,555
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 70,070
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>i/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 18.415,554
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Euro

MEDICIONES

Pág.: 89

MEDICIÓN DIRECTA					7.212,265
7	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
MEDICIÓN DIRECTA					81,913
8	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
MEDICIÓN DIRECTA					1.879,321
9	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
MEDICIÓN DIRECTA					62.529,984
10	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
MEDICIÓN DIRECTA					694,778
11	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.		
MEDICIÓN DIRECTA					197,380
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
MEDICIÓN DIRECTA					750,044
13	681.0010	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.		
MEDICIÓN DIRECTA					1.480,350
14	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
MEDICIÓN DIRECTA					1.322,446
15	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
MEDICIÓN DIRECTA					12,869

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL

Euro

MEDICIONES

Pág.: 90

MEDICIÓN DIRECTA					33,624
Nivel4	27	ODT 114+514			
Nivel5	03	SALIDA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
MEDICIÓN DIRECTA					33,624
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
MEDICIÓN DIRECTA					224,569
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
MEDICIÓN DIRECTA					233,798
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
MEDICIÓN DIRECTA					6.500,930
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
MEDICIÓN DIRECTA					86,143
6	658.0030	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
MEDICIÓN DIRECTA					85,556
7	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.		
MEDICIÓN DIRECTA					12,940
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
MEDICIÓN DIRECTA					74,472
9	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
MEDICIÓN DIRECTA					92,870

Euro

MEDICIONES

Pág.: 91

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	28	ODTE 59
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 1,662
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 24,981
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 296,064
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 6,088
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 426,194
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 11,595
7	658.0030	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 92,239

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	28	ODTE 59
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.

Euro

MEDICIONES

Pág.: 92

			MEDICIÓN DIRECTA 79,050
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 263,500
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 3.742,975
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 48,450
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.867,025
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 619,650
7	414.0130	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 42,500
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 59,484
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,638
10	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.

Euro

MEDICIONES

Pág.: 93

			MEDICIÓN DIRECTA	8,337
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	29	ODT 115+726		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	4,712
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	995,520
3	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	580,800
4	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO <i>''</i> IN SITU <i>''</i> COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	
			MEDICIÓN DIRECTA	132,522
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	29	ODT 115+726		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	26.324,160
2	510.0010	m3	ZAHORRA ARTIFICIAL <i>i/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
			Euro	

MEDICIONES

Pág.: 94

			MEDICIÓN DIRECTA	419,082
3	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>i/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	1.236,429
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			MEDICIÓN DIRECTA	34,542
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>i/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	9.712,790
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	2.721,038
7	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	121,102
8	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	2.998,612
9	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	88.474,806
10	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	983,053
11	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	
			Euro	

MEDICIONES

Pág.: 95

				MEDICIÓN DIRECTA	313,020
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
				MEDICIÓN DIRECTA	845,154
13	681.0010	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.		
				MEDICIÓN DIRECTA	1.585,570
14	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	1.502,496
15	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	135,502
16	423.N002	m	HINCA DE CAJÓN DE DIMENSIONES INFERIORES A 4X3 M, EN CUALQUIER TIPO DE TERRENO INCLUSO EMPUJE Y COLOCACIÓN DEL MARCO I HORMIGÓN HM-20 PARA APOYO Y NIVELACIÓN DEL MISMO		
				MEDICIÓN DIRECTA	70,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	29	ODT 115+726
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			6,648
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			69,134
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 96

				MEDICIÓN DIRECTA	37,784
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	1.423,308
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	25,619
6	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	21,926
7	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.		
				MEDICIÓN DIRECTA	9,280
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
				MEDICIÓN DIRECTA	21,086
9	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	20,333

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	31	ODT 0+144
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE

Euro

MEDICIONES

Pág.: 97

				DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
				MEDICIÓN DIRECTA 15,950
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
				MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
				MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
				MEDICIÓN DIRECTA 22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTE S, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
				MEDICIÓN DIRECTA 14,382

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	31	ODT 0+144
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
				MEDICIÓN DIRECTA 41,689
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
				MEDICIÓN DIRECTA 127,371
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE O DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	

Euro

MEDICIONES

Pág.: 98

				MEDICIÓN DIRECTA	73,266
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	20,224
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	1.062,271
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	664,895
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	17,740
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	26,794
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	27,578

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	31	ODT 0+144
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581

Euro

MEDICIONES

Pág.: 99

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 49,710
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 16,242

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	32	ODT 117+575
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 100

			MEDICIÓN DIRECTA 300,150
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.
			MEDICIÓN DIRECTA 8,703

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	32	ODT 117+575
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>¿</i> / TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 134,209
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>¿</i> / P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6m²/s.
			MEDICIÓN DIRECTA 410,044
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 9.631,602
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.

Euro

MEDICIONES

Pág.: 101

				MEDICIÓN DIRECTA	65,105
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	2.880,628
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	1.989,141
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	57,110
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	86,259
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	82,696

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	32	ODT 117+575	
Nivel5	03	SALIDA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA
			3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA
			48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 102

				MEDICIÓN DIRECTA	1.183,489
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.		
				MEDICIÓN DIRECTA	23,451
8	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.		
				MEDICIÓN DIRECTA	26,800
9	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.		
				MEDICIÓN DIRECTA	10,560
10	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.		
				MEDICIÓN DIRECTA	0,795
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA		
				MEDICIÓN DIRECTA	1,000

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	33	ODT 0+245	
Nivel5	01	ENTRADA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
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Euro

MEDICIONES

Pág.: 103

1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 1,444
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 169,270
3	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 131,750
4	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
			MEDICIÓN DIRECTA 13,808

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	33	ODT 0+245
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 90,381
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 276,139
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 104

			MEDICIÓN DIRECTA 6.249,750
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 43,844
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 2.770,658
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.441,481
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 38,460
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 58,090
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 56,586

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	33	ODT 0+245
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581

Euro

MEDICIONES

Pág.: 105

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 0,000
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	34	ODT 118+539 MD
Nivel5	01	ENTRADA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 7,404
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 115,191
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 71,034
4	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.

Euro

MEDICIONES

Pág.: 106

			MEDICIÓN DIRECTA 2.394,758
5	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 42,467
6	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
			MEDICIÓN DIRECTA 31,556
7	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.
			MEDICIÓN DIRECTA 12,760
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales
			MEDICIÓN DIRECTA 36,535
9	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 34,211

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	34	ODT 118+539 MD
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 3.220,656
2	510.0010	m3	ZAHORRA ARTIFICIAL <i>i/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 145,328
3	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>i/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.

Euro

MEDICIONES

Pág.: 107

				MEDICIÓN DIRECTA	393,792
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	28,128
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>i/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	7.885,216
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	3.266,598
7	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	38,910
8	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	840,556
9	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	22.741,488
10	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	252,683
11	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.		
				MEDICIÓN DIRECTA	93,760
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales		
				MEDICIÓN DIRECTA	346,912
13	681.0010	m3	CIMBRA CUAJADA <i>i/</i> PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.		

Euro

MEDICIONES

Pág.: 108

				MEDICIÓN DIRECTA	562,560
14	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	567,248
Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	35	ODT 119+179			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	111,673
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.		
				MEDICIÓN DIRECTA	21,022

Euro

MEDICIONES

Pág.: 109

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	35	ODT 119+179	
Nivel5	02	CUERPO	
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 113,928
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 348,082
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 9.142,358
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 55,267
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 3.752,352
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 1.817,030
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
			MEDICIÓN DIRECTA 48,480
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
Euro			

MEDICIONES

Pág.: 110

			MEDICIÓN DIRECTA	73,224
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	70,614
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	35	ODT 119+179		
Nivel5	03	SALIDA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	70,059
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481
7	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
Euro				

MEDICIONES

Pág.: 111

			MEDICIÓN DIRECTA	37,699
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	36	ODT 0+100		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	6,882
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	17,859
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	36	ODT 0+100		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
				Euro

MEDICIONES

Pág.: 112

			MEDICIÓN DIRECTA	24,704
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	167,984
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	156,494
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			MEDICIÓN DIRECTA	13,099
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>/</i> EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	455,004
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	360,786
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>/</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			MEDICIÓN DIRECTA	11,490
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	15,753
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	15,023
				Euro

MEDICIONES

Pág.: 113

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	36	ODT 0+100	
Nivel5	03	SALIDA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 6,882
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 17,859

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	37	ODT 0+284	
Nivel5	01	ENTRADA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA

Euro

MEDICIONES

Pág.: 114

				SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	8,901
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	37	ODT 0+284	
Nivel5	02	CUERPO	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 55,977
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 171,025
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 115

				MEDICIÓN DIRECTA	331,098
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	27,155
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>¿</i> / EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	869,906
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>¿</i> / CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	727,463
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>¿</i> / SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	23,820
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	35,978
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	36,090

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	37	ODT 0+284			
Nivel5	03	SALIDA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581

Euro

MEDICIONES

Pág.: 116

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	8,901
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	38	ODT 0+130			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	6,882
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		

Euro

MEDICIONES

Pág.: 117

				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859
Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	38	ODT 0+130			
Nivel5	02	CUERPO			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.		
				MEDICIÓN DIRECTA	13,932
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.		
				MEDICIÓN DIRECTA	94,738
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	85,925
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	7,387
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	195,048
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN,		
				Euro	

MEDICIONES

Pág.: 118

				COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
				MEDICIÓN DIRECTA	184,421
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	6,480
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	8,884
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	9,512
Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	38	ODT 0+130			
Nivel5	03	SALIDA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	6,882
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				Euro	

MEDICIONES

Pág.: 119

				MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	17,859

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	39	ODTE 10
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA
			6,020
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA
			20,880
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA
			207,928
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA
			3,192
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA
			73,920
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA
			76,384

Euro

MEDICIONES

Pág.: 120

7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			MEDICIÓN DIRECTA	2,800
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	3,839
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	5,464

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	39	ODTE 10
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 49,321
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 121

			MEDICIÓN DIRECTA	17,859
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	40	ODT 0+007		
Nivel5	01	ENTRADA		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO /I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO /I/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	17,802
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, /I/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA /I/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	22,481
Nivel1	00	A-62 DUEÑAS-CIGALES		
Nivel2	03	DRENAJE		
Nivel3	02	DRENAJE TRANSVERSAL		
Nivel4	40	ODT 0+007		
Nivel5	02	CUERPO		
NUM.	CÓDIGO	UM	DESCRIPCIÓN	
1	510.0010	m3	ZAHORRA ARTIFICIAL /I/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	

Euro

MEDICIONES

Pág.: 122

			MEDICIÓN DIRECTA	43,475
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 /I/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			MEDICIÓN DIRECTA	132,828
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO /I/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	427,165
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			MEDICIÓN DIRECTA	21,090
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA /I/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	488,400
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE /I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			MEDICIÓN DIRECTA	504,680
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA /I/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			MEDICIÓN DIRECTA	18,500
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	27,942
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO /I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	28,642

Euro

MEDICIONES

Pág.: 123

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	40	ODT 0+007	
Nivel5	03	SALIDA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 17,802
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
			MEDICIÓN DIRECTA 22,481

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	41	ODTE 13	
Nivel5	01	ENTRADA	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 2,453
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA

Euro

MEDICIONES

Pág.: 124

				SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA	37,936
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			MEDICIÓN DIRECTA	47,945
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			MEDICIÓN DIRECTA	10,035
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			MEDICIÓN DIRECTA	702,415
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			MEDICIÓN DIRECTA	17,859

Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	41	ODTE 13	
Nivel5	02	CUERPO	

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 6,880
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 23,872
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Euro

MEDICIONES

Pág.: 125

				MEDICIÓN DIRECTA	230,944
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		
				MEDICIÓN DIRECTA	3,648
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA <i>¿</i> / EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	84,480
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE <i>¿</i> / CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	87,296
7	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>¿</i> / SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	3,200
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	4,387
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	5,904

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	42	ODT 0+066			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>¿</i> / LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581

Euro

MEDICIONES

Pág.: 126

3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	38,868
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>¿</i> / CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>¿</i> / P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	42	ODT 0+066			
Nivel5	02	CUERPO			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	510.0010	m3	ZAHORRA ARTIFICIAL <i>¿</i> / TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.		
				MEDICIÓN DIRECTA	37,483
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>¿</i> / P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.		
				MEDICIÓN DIRECTA	114,519
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>¿</i> / ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	741,037
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.		

Euro

MEDICIONES

Pág.: 127

				MEDICIÓN DIRECTA	18,183
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	421,080
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).		
				MEDICIÓN DIRECTA	435,116
7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.		
				MEDICIÓN DIRECTA	15,950
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	24,091
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	25,072

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	42	ODT 0+066			
Nivel5	03	SALIDA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		

Euro

MEDICIONES

Pág.: 128

				MEDICIÓN DIRECTA	38,868
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		
				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES			
Nivel2	03	DRENAJE			
Nivel3	02	DRENAJE TRANSVERSAL			
Nivel4	43	ODT 0+039			
Nivel5	01	ENTRADA			
NUM.	CÓDIGO	UM	DESCRIPCIÓN		
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.		
				MEDICIÓN DIRECTA	3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.		
				MEDICIÓN DIRECTA	48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.		
				MEDICIÓN DIRECTA	58,450
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.		
				MEDICIÓN DIRECTA	13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.		

Euro

MEDICIONES

Pág.: 129

				MEDICIÓN DIRECTA	923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.		
				MEDICIÓN DIRECTA	22,481

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	43	ODT 0+039
Nivel5	02	CUERPO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
			MEDICIÓN DIRECTA 53,557
2	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
			MEDICIÓN DIRECTA 163,630
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 1.574,333
4	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.
			MEDICIÓN DIRECTA 25,981
5	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 601,656
6	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
			MEDICIÓN DIRECTA 621,711

Euro

MEDICIONES

Pág.: 130

7	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			MEDICIÓN DIRECTA	22,790
8	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			MEDICIÓN DIRECTA	34,422
9	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			MEDICIÓN DIRECTA	34,648

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	43	ODT 0+039
Nivel5	03	SALIDA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
			MEDICIÓN DIRECTA 3,471
2	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
			MEDICIÓN DIRECTA 48,581
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 58,450
4	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.
			MEDICIÓN DIRECTA 13,187
5	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
			MEDICIÓN DIRECTA 923,124
6	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.

Euro

MEDICIONES

Pág.: 131

			MEDICIÓN DIRECTA	22,481
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	01	CANALIZACIÓN ODT 106+200 MD-IZQ

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.

			MEDICIÓN DIRECTA	307,010
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	

			MEDICIÓN DIRECTA	740,900
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	02	CANALIZACIÓN ODT 106+200 MD-DCH.

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.

			MEDICIÓN DIRECTA	122,040
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	

			MEDICIÓN DIRECTA	382,500
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	03	CANALIZACIÓN ODT 106+800 MD-IZQ.

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.

Euro

MEDICIONES

Pág.: 132

			MEDICIÓN DIRECTA	134,127
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2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
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			MEDICIÓN DIRECTA	266,200
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	04	CANALIZACIÓN ODT 106+800 MD-DRCH.

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.

			MEDICIÓN DIRECTA	81,540
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2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
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			MEDICIÓN DIRECTA	352,700
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	05	CANALIZACIÓN ODTE 21-IZQ.

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>Y</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.

			MEDICIÓN DIRECTA	55,730
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2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>Y</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
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			MEDICIÓN DIRECTA	146,100
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Euro

MEDICIONES

Pág.: 133

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	06	CANALIZACIÓN ODTE 21-DCH.

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.
			MEDICIÓN DIRECTA 100,050
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 344,400

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	07	CANALIZACIÓN ODT 114+514

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.
			MEDICIÓN DIRECTA 600,150
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 2.813,100

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	08	CANALIZACIÓN ODT 117+575

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.
			MEDICIÓN DIRECTA 138,270

Euro

MEDICIONES

Pág.: 134

2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
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			MEDICIÓN DIRECTA 1.585,100
Nivel1	00	A-62 DUEÑAS-CIGALES	
Nivel2	03	DRENAJE	
Nivel3	02	DRENAJE TRANSVERSAL	
Nivel4	44	CANALIZACIONES	
Nivel5	09	CANALIZACIÓN ODT 0+910	
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.
			MEDICIÓN DIRECTA 185,770
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 1.272,600

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	10	CANALIZACIÓN ODT 1+189

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.
			MEDICIÓN DIRECTA 51,090
2	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
			MEDICIÓN DIRECTA 162,700

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL

Euro

MEDICIONES

Pág.: 135

Nivel4	44	CANALIZACIONES	
Nivel5	12	CANALIZACIÓN ODT 115+726-DCH.	
NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
		MEDICIÓN DIRECTA	5.880,307
2	321.N030	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, PARA UNA ANCHURA MENOR DE 6 m Y UNA PROFUNDIDAD DE HASTA 10 m, Y POZOS QUE TENGAN UNA PROFUNDIDAD HASTA 3 VECES EL DIÁMETRO O ANCHO <i>i/</i> ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.
		MEDICIÓN DIRECTA	34.716,613
3	510.0010	m3	ZAHORRA ARTIFICIAL <i>i/</i> TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
		MEDICIÓN DIRECTA	2.825,130
4	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
		MEDICIÓN DIRECTA	1.463,607
5	332.0050	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA <i>i/</i> CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
		MEDICIÓN DIRECTA	16.039,482
6	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 <i>i/</i> P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
		MEDICIÓN DIRECTA	8.725,570
7	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO <i>i/</i> LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
		MEDICIÓN DIRECTA	8.855,173
8	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.

Euro

MEDICIONES

Pág.: 136

		MEDICIÓN DIRECTA	2.182,086
9	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, <i>i/</i> CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.
		MEDICIÓN DIRECTA	196.311,792
10	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA <i>i/</i> P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.
		MEDICIÓN DIRECTA	5.713,532
11	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.
		MEDICIÓN DIRECTA	84,375
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales
		MEDICIÓN DIRECTA	3.377,950
13	681.0010	m3	CIMBRA CUAJADA <i>i/</i> PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.
		MEDICIÓN DIRECTA	3.889,800
14	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.
		MEDICIÓN DIRECTA	1.300,820
15	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA <i>i/</i> SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
		MEDICIÓN DIRECTA	827,100
16	330.0020	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, <i>i/</i> EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.
		(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).	
		MEDICIÓN DIRECTA	8.308,136
17	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ <i>i/</i> ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.
		MEDICIÓN DIRECTA	232,701

Euro

MEDICIONES

Pág.: 137

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	03	DRENAJE
Nivel3	02	DRENAJE TRANSVERSAL
Nivel4	44	CANALIZACIONES
Nivel5	13	CANALIZACIÓN ODT 117+575

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1						4.158,441	4.158,441	C#*D#*E#*F#
2						1.585,100	1.585,100	C#*D#*E#*F#

TOTAL MEDICIÓN 5.743,541

2	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.
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MEDICIÓN DIRECTA 531,930

3	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.
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MEDICIÓN DIRECTA 106,386

4	332.0050	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).
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MEDICIÓN DIRECTA 4.202,247

5	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.
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MEDICIÓN DIRECTA 1.501,920

6	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.
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MEDICIÓN DIRECTA 346,830

7	414.0160	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.
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Euro

MEDICIONES

Pág.: 138

				MEDICIÓN DIRECTA 312,900
8	417.N001	ud	CLAPETA DE DESCARGA Y RETENCION Ø 1200 MM DE ACERO INOXIDABLE AISI-316, HERMETIZACION DE GOMA SINTETICA A BASE DE CLOROBUTADIENO, INCLUIDO ACCESORIOS, MONTAJE Y PRUEBAS	

				MEDICIÓN DIRECTA 1,000
9	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO "IN SITU" COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	

				MEDICIÓN DIRECTA 31,936
10	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	

MEDICIÓN DIRECTA 138,270

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	04	FIRMES

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares					130.512,387	130.512,387	C#*D#*E#*F#

TOTAL MEDICIÓN 130.512,387

2	202.0020	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares					19.872,692	19.872,692	C#*D#*E#*F#

TOTAL MEDICIÓN 19.872,692

3	513.0010	m3	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO.
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares					185.293,161	185.293,161	C#*D#*E#*F#

TOTAL MEDICIÓN 185.293,161

4	530.0010	t	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN.
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares					13.297,959	13.297,959	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 139

		TOTAL MEDICIÓN		13.297,959
5	530.0020	t	EMULSIÓN C50BF5 IMP EN RIEGO DE IMPRIMACIÓN, BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		293,691				293,691	C#*D#*E#*F#

		TOTAL MEDICIÓN		293,691
6	531.0020	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares (ADH)		1.083,812				1.083,812	C#*D#*E#*F#
2	Según mediciones auxiliares (CUR)		856,375				856,375	C#*D#*E#*F#

		TOTAL MEDICIÓN		1.940,187
7	531.0040	t	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		526,379				526,379	C#*D#*E#*F#
2	Geomalla		10,782				10,782	C#*D#*E#*F#

		TOTAL MEDICIÓN		537,161
8	542.0010	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S (S-12 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		36.998,565				36.998,565	C#*D#*E#*F#

		TOTAL MEDICIÓN		36.998,565
9	542.0060	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN D (D-20 INTERMEDIA), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		176.900,788				176.900,788	C#*D#*E#*F#

		TOTAL MEDICIÓN		176.900,788
10	542.0100	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE G (G-25 BASE), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		158.113,935				158.113,935	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 140

		TOTAL MEDICIÓN		158.113,935
11	543.0020	m2	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B (M-10) EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		657.973,333				657.973,333	C#*D#*E#*F#

		TOTAL MEDICIÓN		657.973,333
12	215.0030	t	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		2.171,312				2.171,312	C#*D#*E#*F#

		TOTAL MEDICIÓN		2.171,312
13	211.0040	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	según mediciones auxiliares							C#*D#*E#*F#
2	Rodadura		62,707				62,707	C#*D#*E#*F#
3	Intermedia		5.430,998				5.430,998	C#*D#*E#*F#
4	Base		5.890,185				5.890,185	C#*D#*E#*F#

		TOTAL MEDICIÓN		11.383,890
14	211.0050	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares							C#*D#*E#*F#
2	Rodadura		1.968,631				1.968,631	C#*D#*E#*F#
3	Intermedia		2.971,790				2.971,790	C#*D#*E#*F#
4	Base		794,557				794,557	C#*D#*E#*F#
5								C#*D#*E#*F#

		TOTAL MEDICIÓN		5.734,978
15	542.0110	t	POLVO MINERAL O CARBONATO (TRICALSA O SIMILAR) EMPLEADO COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Según mediciones auxiliares		20.970,987				20.970,987	C#*D#*E#*F#

		TOTAL MEDICIÓN		20.970,987
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Euro

MEDICIONES

Pág.: 141

16	332.N070	m³	RELLENO CON MATERIAL IMPERMEABLE PROCEDENTE DE CANTERA O PRÉSTAMO, INCLUSO SUMINISTRO, NIVELACIÓN Y COMPACTACIÓN, TOTALMENTE TERMINADO																																
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td>Según mediciones auxiliares</td><td></td><td>102.435,200</td><td></td><td></td><td></td><td>102.435,200</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>102.435,200</td><td></td></tr></table>									Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1	Según mediciones auxiliares		102.435,200				102.435,200	C#*D#*E#*F#	TOTAL MEDICIÓN							102.435,200	
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																											
1	Según mediciones auxiliares		102.435,200				102.435,200	C#*D#*E#*F#																											
TOTAL MEDICIÓN							102.435,200																												
17	555.N001	m²	GEOMALLA DE DE MULTIFILAMENTOS DE POLIÉSTER CON RECUBRIMIENTO BITUMINOSO Y GEOTEXTIL NO TEJIDO ADHERIDO PARA EL REFUERZO DE FIRMES ASFÁLTICOS, CON PESO NO INFERIOR A 270 G/M2, CON RESISTENCIA MÍNIMA A TRACCIÓN DE 50 KN/M, DE ANCHURA MÍNIMA DE 1 M.																																
<table><tr><td colspan="7">MEDICIÓN DIRECTA</td><td>13.477,092</td></tr></table>									MEDICIÓN DIRECTA							13.477,092																			
MEDICIÓN DIRECTA							13.477,092																												
18	542.0020	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 SURF S (S-20 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.																																
<table><tr><th>Num.</th><th>Texto</th><th>Tipo</th><th>[C]</th><th>[D]</th><th>[E]</th><th>[F]</th><th>TOTAL</th><th>Fórmula</th></tr><tr><td>1</td><td>Según mediciones auxiliares</td><td></td><td>3.628,183</td><td></td><td></td><td></td><td>3.628,183</td><td>C#*D#*E#*F#</td></tr><tr><td colspan="7">TOTAL MEDICIÓN</td><td>3.628,183</td><td></td></tr></table>									Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula	1	Según mediciones auxiliares		3.628,183				3.628,183	C#*D#*E#*F#	TOTAL MEDICIÓN							3.628,183	
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula																											
1	Según mediciones auxiliares		3.628,183				3.628,183	C#*D#*E#*F#																											
TOTAL MEDICIÓN							3.628,183																												

Nivel1

00

A-62 DUEÑAS-CIGALES

Nivel2

05

ESTRUCTURAS

Nivel3

01

PASOS SUPERIORES

NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	699.0001	m²	PASO SUPERIOR DE VIGAS PREFABRICADAS TIPO ARTESA					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Paso Superior 98+710			46,000	12,000		552,000	C#*D#*E#*F#
2	Paso Superior 107+830			46,000	12,000		552,000	C#*D#*E#*F#
3	Paso Superior 118+250			46,000	20,000		920,000	C#*D#*E#*F#
TOTAL MEDICIÓN							2.024,000	

Nivel1	00	A-62 DUEÑAS-CIGALES						
Nivel2	05	ESTRUCTURAS						
Nivel3	02	PASOS INFERIORES						
NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Solera - Extension de paso inferior		0,100	19,000	11,100		21,090	C#*D#*E#*F#
2	Aletas Modulo (1)		2,000	2,800	6,300	0,100	3,528	C#*D#*E#*F#
3	Aletas Modulo (2)		2,000	3,500	6,300	0,100	4,410	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 142

			TOTAL MEDICIÓN				29,028	
2	610.0070	m3	HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Inferior		0,800	19,000	11,100		168,720	C#*D#*E#*F#
2	Hastiales		2,000	0,800	19,000	6,500	197,600	C#*D#*E#*F#
3	Losa Superior		0,800	19,000	10,600		161,120	C#*D#*E#*F#
4	Cartelas		2,000	19,000	0,135		5,130	C#*D#*E#*F#
5	Peto		0,500	1,310	10,600		6,943	C#*D#*E#*F#
6	Losa de nueva ejecución en estructura existente		60,690				60,690	C#*D#*E#*F#
7	Aletas - Cimentación Modulo (1)		2,000	2,800	6,300	0,500	17,640	C#*D#*E#*F#
8	Aletas - Cimentación Modulo (2)		2,000	3,500	6,300	0,700	30,870	C#*D#*E#*F#
9	Aletas - Alzado Modulo (1)		2,000	1,810	6,300		22,806	C#*D#*E#*F#
10	Aletas - Alzado Modulo (2)		2,000	4,880	6,300		61,488	C#*D#*E#*F#
			TOTAL MEDICIÓN				733,007	
3	600.0010	kg	ACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Inferior		168,720	95,000			16.028,400	C#*D#*E#*F#
2	Hastiales		197,600	95,000			18.772,000	C#*D#*E#*F#
3	Losa Superior		161,120	120,000			19.334,400	C#*D#*E#*F#
4	Peto		6,940	70,000			485,800	C#*D#*E#*F#
5	Losa de nueva ejecución en estructura existente		120,000	60,690			7.282,800	C#*D#*E#*F#
6	Aletas - Cimentación Modulo (1)		2,000	17,640	60,000		2.116,800	C#*D#*E#*F#
7	Aletas - Cimentación Modulo (2)		2,000	30,870	75,000		4.630,500	C#*D#*E#*F#
8	Aletas - Alzado Modulo (1)		2,000	22,840	70,000		3.197,600	C#*D#*E#*F#
9	Aletas - Alzado Modulo (2)		2,000	61,540	85,000		10.461,800	C#*D#*E#*F#
			TOTAL MEDICIÓN				82.310,100	
4	680.0030	m2	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Superior		19,000	7,200			136,800	C#*D#*E#*F#
2	Peto		2,000	1,310	0,500		1,310	C#*D#*E#*F#
3	Hastiales		2,000	19,000	4,700		178,600	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 143

4	Cartelas	2,000	19,000	0,140	5,320	C#*D#*E#*F#
5	Losa Superior - Frontal	0,800	10,600		8,480	C#*D#*E#*F#
6	Peto - Frontal	1,310	10,600		13,886	C#*D#*E#*F#
7	Hastiales - Frontal	0,800	6,500		5,200	C#*D#*E#*F#
8	Cartelas - Frontal	2,000	0,140		0,280	C#*D#*E#*F#
9	Losa de nueva ejecución en estructura existente	75,860			75,860	C#*D#*E#*F#
10	Aletas - Modulo (1)	2,000	19,020		38,040	C#*D#*E#*F#
11	Aletas - Modulo (2)	2,000	42,460		84,920	C#*D#*E#*F#

TOTAL MEDICIÓN548,696

5680.0010m2ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa inferior - Lateral		2,000	0,800	19,000		30,400	C#*D#*E#*F#
2	Losa Inferior - Frontal		0,800	11,100			8,880	C#*D#*E#*F#
3	Hastiales		2,000	19,000	6,500		247,000	C#*D#*E#*F#
4	Peto		1,310	10,600			13,886	C#*D#*E#*F#
5	Losa Superior		2,000	0,800	19,000		30,400	C#*D#*E#*F#
6	Aletas - Cimentación Modulo (1)		2,000	2,000	0,500	6,300	12,600	C#*D#*E#*F#
7	Aletas - Cimentación Modulo (2)		2,000	2,000	0,700	6,300	17,640	C#*D#*E#*F#
8	Aletas - Alzado Modulo (1)		2,000	19,020			38,040	C#*D#*E#*F#
9	Aletas - Alzado Modulo (2)		2,000	42,460			84,920	C#*D#*E#*F#

TOTAL MEDICIÓN483,766

6694.N200mJUNTAS DE DILATAACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Junta aleta-paso inferior		2,000	6,600			13,200	C#*D#*E#*F#
2	Aletas		2,000	5,680			11,360	C#*D#*E#*F#

TOTAL MEDICIÓN24,560

7681.0010m3CIMBRA CUAJADA I/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Superior - Extensión del Paso Inferior		9,000	19,000	6,500		1.111,500	C#*D#*E#*F#
2	Losa de nueva ejecución en estructura existente		75,860	5,000			379,300	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 144

		TOTAL MEDICIÓN	1.490,800
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8690.0050m2IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS...) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO): LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Superior		10,600	19,000			201,400	C#*D#*E#*F#
2	Losa Superior - Lateral		2,000	0,800	19,000		30,400	C#*D#*E#*F#
3	Peto		1,310	10,600			13,886	C#*D#*E#*F#
4	Hastiales		2,000	19,000	6,500		247,000	C#*D#*E#*F#
5	Losa de nueva ejecución en estructura existente		75,860				75,860	C#*D#*E#*F#
6	Aletas - Modulo (1)		2,000	28,500			57,000	C#*D#*E#*F#
7	Aletas - Modulo (2)		2,000	52,330			104,660	C#*D#*E#*F#

TOTAL MEDICIÓN730,206

9321.0010m3EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO I/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Excavación en zanja para ejecución de paso inferior		15,500	2,000	19,000		589,000	C#*D#*E#*F#
2	Aletas - Modulo (1)		2,000	13,950	6,300		175,770	C#*D#*E#*F#
3	Aletas - Modulo (2)		2,000	38,310	6,300		482,706	C#*D#*E#*F#

TOTAL MEDICIÓN1.247,476

10332.0060m3RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Relleno en trasdós de los hastiales		2,000	19,000	22,280		846,640	C#*D#*E#*F#
2	Aletas - Modulo (1)		2,000	9,680	6,300		121,968	C#*D#*E#*F#
3	Aletas - Modulo (2)		2,000	29,530	6,300		372,078	C#*D#*E#*F#

TOTAL MEDICIÓN1.340,686

11424.0020mTUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL

Euro

MEDICIONES

Pág.: 145

TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Tubo drenante		2,000	19,000			38,000	C#*D#*E#*F#
2	Aletas		2,000	12,600			25,200	C#*D#*E#*F#
TOTAL MEDICIÓN							63,200	

12693.N010m²Lámina drenante geocompuesta para trasdós de muros y hastiales

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Losa Superior - Lateral		2,000	0,800	19,000		30,400	C#*D#*E#*F#
2	Peto		1,310	10,600			13,886	C#*D#*E#*F#
3	Hastiales		2,000	19,000	6,500		247,000	C#*D#*E#*F#
4	Aletas - Modulo (1)		2,000	28,500			57,000	C#*D#*E#*F#
5	Aletas - Modulo (2)		2,000	52,330			104,660	C#*D#*E#*F#
TOTAL MEDICIÓN							452,946	

13417.0020mTUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Aletas - Modulo (1)		2,000	2,000	0,660		2,640	C#*D#*E#*F#
2	Aletas - Modulo (2)		2,000	2,000	1,000		4,000	C#*D#*E#*F#
TOTAL MEDICIÓN							6,640	

Nivel100A-62 DUEÑAS-CIGALES

Nivel205ESTRUCTURAS

Nivel303MUROS

Nivel401MUROS DE SUELO REFORZADO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	630.0010	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS H<=6 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M49L53		246,480				246,480	C#*D#*E#*F#
2	M41L53		463,730				463,730	C#*D#*E#*F#
3	M01L53		207,850				207,850	C#*D#*E#*F#
4	M46L53		840,720				840,720	C#*D#*E#*F#
TOTAL MEDICIÓN							1.758,780	

2630.0020m2MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS 6 m < H <= 12 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.

Euro

MEDICIONES

Pág.: 146

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M41L53		24,140				24,140	C#*D#*E#*F#
2	M46L53		88,500				88,500	C#*D#*E#*F#
TOTAL MEDICIÓN							112,640	
3	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.					

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M49L53		387,000				387,000	C#*D#*E#*F#
2	M41L53		566,100				566,100	C#*D#*E#*F#
3	M01L53		467,700				467,700	C#*D#*E#*F#
4	M46L53		1.012,000				1.012,000	C#*D#*E#*F#
TOTAL MEDICIÓN							2.432,800	

Nivel100A-62 DUEÑAS-CIGALES

Nivel205ESTRUCTURAS

Nivel303MUROS

Nivel402MUROS DE HORMIGÓN IN SITU

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1	Solera - M39L53 (1)		2,800	76,860	0,100		21,521	C#*D#*E#*F#
2	Solera - M39L53 (2)		3,500	288,160	0,100		100,856	C#*D#*E#*F#
3	Solera - M58L53 (1)		2,800	158,000	0,100		44,240	C#*D#*E#*F#
4	Solera - M58L53 (2)		2,800	129,100	0,100		36,148	C#*D#*E#*F#
5	Solera - M60L53		2,800	88,000	0,100		24,640	C#*D#*E#*F#
TOTAL MEDICIÓN							227,405	

2610.0070m3HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1	Cimentación - M39L53 (1)		2,800	76,860	0,500		107,604	C#*D#*E#*F#
2	Cimentación - M39L53 (2)		3,500	288,160	0,700		705,992	C#*D#*E#*F#
3	Cimentación - M58L53 (1)		2,800	158,000	0,500		221,200	C#*D#*E#*F#
4	Cimentación - M58L53 (2)		2,800	129,100	0,500		180,740	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 147

5	Cimentación - M60L53	2,800	88,000	0,500	123,200	C#*D#*E#*F#
6	Alzado - M39L53 (1)	1,390	76,860		106,835	C#*D#*E#*F#
7	Alzado - M39L53 (2)	3,020	288,160		870,243	C#*D#*E#*F#
8	Alzado - M58L53 (1)	0,650	158,000		102,700	C#*D#*E#*F#
9	Alzado - M58L53 (2)	0,750	129,100		96,825	C#*D#*E#*F#
10	Alzado - M60L53	1,590	88,000		139,920	C#*D#*E#*F#

TOTAL MEDICIÓN2.655,259

3600.0010kgACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Cimentación - M39L53 (1)		107,600	60,000			6.456,000	C#*D#*E#*F#
2	Cimentación - M39L53 (2)		705,990	75,000			52.949,250	C#*D#*E#*F#
3	Cimentación - M58L53 (1)		221,200	60,000			13.272,000	C#*D#*E#*F#
4	Cimentación - M58L53 (2)		180,740	60,000			10.844,400	C#*D#*E#*F#
5	Cimentación - M60L53		123,200	60,000			7.392,000	C#*D#*E#*F#
6	Alzado - M39L53 (1)		106,470	70,000			7.452,900	C#*D#*E#*F#
7	Alzado - M39L53 (2)		870,240	85,000			73.970,400	C#*D#*E#*F#
8	Alzado - M58L53 (1)		102,700	70,000			7.189,000	C#*D#*E#*F#
9	Alzado - M58L53 (2)		96,830	70,000			6.778,100	C#*D#*E#*F#
10	Alzado - M60L53		139,920	70,000			9.794,400	C#*D#*E#*F#

TOTAL MEDICIÓN196.098,450

4694.N200mJUNTAS DE DILATACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53 (1)		4,000	2,850			11,400	C#*D#*E#*F#
2	M39L53 (2)		14,000	5,320			74,480	C#*D#*E#*F#
3	M58L53 (1)		8,000	1,800			14,400	C#*D#*E#*F#
4	M58L53 (2)		6,000	2,000			12,000	C#*D#*E#*F#
5	M60L53		5,000	3,200			16,000	C#*D#*E#*F#

TOTAL MEDICIÓN128,280

5680.0030m2ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRAIDA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53 (1)		180,420				180,420	C#*D#*E#*F#
2	M39L53 (2)		1.334,230				1.334,230	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 148

3	M58L53 (1)	289,000	289,000	C#*D#*E#*F#
4	M58L53 (2)	171,590	171,590	C#*D#*E#*F#
5	M60L53	226,840	226,840	C#*D#*E#*F#

TOTAL MEDICIÓN2.202,080

6680.0010m2ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Cimentación - M39L53 (1)		2,000	0,500	76,860		76,860	C#*D#*E#*F#
2	Cimentación - M39L53 (2)		2,000	0,700	288,160		403,424	C#*D#*E#*F#
3	Cimentación - M58L53 (1)		2,000	0,500	158,000		158,000	C#*D#*E#*F#
4	Cimentación - M58L53 (2)		2,000	0,500	129,100		129,100	C#*D#*E#*F#
5	Cimentación - M60L53		2,000	0,500	88,000		88,000	C#*D#*E#*F#
6	Alzado - M39L53 (1)		180,420				180,420	C#*D#*E#*F#
7	Alzado - M39L53 (2)		1.334,230				1.334,230	C#*D#*E#*F#
8	Alzado - M58L53 (1)		289,000				289,000	C#*D#*E#*F#
9	Alzado - M58L53 (2)		171,590				171,590	C#*D#*E#*F#
10	Alzado - M60L53		226,840				226,840	C#*D#*E#*F#

TOTAL MEDICIÓN3.057,464

7690.0050m2IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS..) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53 (1)		297,240				297,240	C#*D#*E#*F#
2	M39L53 (2)		1.821,800				1.821,800	C#*D#*E#*F#
3	M58L53 (1)		474,000				474,000	C#*D#*E#*F#
4	M58L53 (2)		413,120				413,120	C#*D#*E#*F#
5	M60L53		360,600				360,600	C#*D#*E#*F#

TOTAL MEDICIÓN3.366,760

8321.0010m3EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
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Euro

MEDICIONES

Pág.: 149

1	M39L53 (1)	11,080	76,860	851,609	C#*D#*E#*F#
2	M39L53 (2)	25,140	288,160	7.244,342	C#*D#*E#*F#
3	M58L53 (1)	7,020	158,000	1.109,160	C#*D#*E#*F#
4	M58L53 (2)	7,750	129,100	1.000,525	C#*D#*E#*F#
5	M60L53	12,520	88,000	1.101,760	C#*D#*E#*F#

TOTAL MEDICIÓN11.307,396

9332.0060m3RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53 (1)		7,240	76,860			556,466	C#*D#*E#*F#
2	M39L53 (2)		18,260	288,160			5.261,802	C#*D#*E#*F#
3	M58L53 (1)		3,920	158,000			619,360	C#*D#*E#*F#
4	M58L53 (2)		4,550	129,100			587,405	C#*D#*E#*F#
5	M60L53		8,510	88,000			748,880	C#*D#*E#*F#

TOTAL MEDICIÓN7.773,913

10424.0020mTUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53		365,000				365,000	C#*D#*E#*F#
2	M58L53 (1)		158,000				158,000	C#*D#*E#*F#
3	M58L53 (2)		129,100				129,100	C#*D#*E#*F#
4	M60L53		88,000				88,000	C#*D#*E#*F#

TOTAL MEDICIÓN740,100

11693.N010m²Lámina drenante geocompuesta para trasdós de muros y hastiales

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53 (1)		297,240				297,240	C#*D#*E#*F#
2	M39L53 (2)		1.821,800				1.821,800	C#*D#*E#*F#
3	M58L53 (1)		474,000				474,000	C#*D#*E#*F#
4	M58L53 (2)		413,120				413,120	C#*D#*E#*F#
5	M60L53		360,600				360,600	C#*D#*E#*F#

TOTAL MEDICIÓN3.366,760

12417.0020mTUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.

Euro

MEDICIONES

Pág.: 150

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	M39L53		122,000	0,800			97,600	C#*D#*E#*F#
2	M58L53 (1)		53,000	0,600			31,800	C#*D#*E#*F#
3	M58L53 (2)		43,000	0,600			25,800	C#*D#*E#*F#
4	M60L53		29,000	0,600			17,400	C#*D#*E#*F#

TOTAL MEDICIÓN172,600

Nivel100A-62 DUEÑAS-CIGALES
Nivel205ESTRUCTURAS
Nivel303MUROS
Nivel403PANTALLA DE MICROPILOTES

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	678.N810	m²	PANTALLA DE MICROPILOTES DE Ø 250MM

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	Pantalla de Micropilotes diametro 250 mm - M58L53 (1)		266,000	3,000			798,000	C#*D#*E#*F#

TOTAL MEDICIÓN798,000

Nivel100A-62 DUEÑAS-CIGALES
Nivel206SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	701.N910	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN TRONCO

MEDICIÓN DIRECTA21.696,000

2701.N920mSEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN RAMALES

MEDICIÓN DIRECTA32.864,500

3701.N930mSEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN CAMINOS

MEDICIÓN DIRECTA9.593,000

Nivel100A-62 DUEÑAS-CIGALES
Nivel207INTEGRACIÓN AMBIENTAL

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	801.N910	ud	PAISAJISMO

MEDICIÓN DIRECTA1,000

2801.N920m²COLOCACIÓN DE PANTALLAS ACÚSTICAS FONOABSORBENTES

Euro

MEDICIONES

Pág.: 151

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	PP_MD_01		179,000	6,000			1.074,000	C#*D#*E#*F#
2	PP_MD_02		1.584,000	6,000			9.504,000	C#*D#*E#*F#
3	PP_MD_06		322,000	6,000			1.932,000	C#*D#*E#*F#
4	PP_MD_09		219,000	6,000			1.314,000	C#*D#*E#*F#
5	PP_MD_10		266,000	6,000			1.596,000	C#*D#*E#*F#
6	PP_MI_02		636,000	4,000			2.544,000	C#*D#*E#*F#
7	PP_MI_03		679,000	3,000			2.037,000	C#*D#*E#*F#
8	PP_MI_04		200,000	3,000			600,000	C#*D#*E#*F#
9	PP_MI_07		436,000	6,000			2.616,000	C#*D#*E#*F#
10								C#*D#*E#*F#
TOTAL MEDICIÓN							23.217,000	

Nivel1 00 A-62 DUEÑAS-CIGALES
Nivel2 08 OBRAS COMPLEMENTARIAS

NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	915.0010	m	CERRAMIENTO DE 1,5 M DE ALTURA COMPUESTO POR POSTES METÁLICOS CADA 3 M, ARRIOSTRAMIENTO CADA 30 M Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN i/ PARTE PROPORCIONAL DE CIMIENTOS, TOTALMENTE COLOCADO. EXCEPTO PUERTAS.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1			45.822,538				45.822,538	C#*D#*E#*F#
TOTAL MEDICIÓN							45.822,538	
2	915.0020	ud	PUERTA PARA CERRAMIENTO DE UNA HOJA, TOTALMENTE COLOCADA.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1			46,000				46,000	C#*D#*E#*F#
TOTAL MEDICIÓN							46,000	

Nivel1 00 A-62 DUEÑAS-CIGALES
Nivel2 09 DESVÍOS PROVISIONALES

NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	901.N010	ud	DESVÍOS PROVISIONALES					
MEDICIÓN DIRECTA							1,000	

Nivel1 00 A-62 DUEÑAS-CIGALES
Nivel2 10 SERVICIOS AFECTADOS
Nivel3 01 LÍNEAS ELÉCTRICAS

Euro

MEDICIONES

Pág.: 152

Nivel4

01

ADIF

NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	1063.N01	m	LINEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ADIF-01		801,140				801,140	C#*D#*E#*F#
TOTAL MEDICIÓN							801,140	
2	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ADIF-01		783,880				783,880	C#*D#*E#*F#
TOTAL MEDICIÓN							783,880	
3	1070.N03	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE ALTA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ADIF-02		103,910				103,910	C#*D#*E#*F#
TOTAL MEDICIÓN							103,910	
4	1069.N04	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 33/66 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ADIF-02		133,330				133,330	C#*D#*E#*F#
TOTAL MEDICIÓN							133,330	
5	1068.N04	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 6 CONDUCTOS DE PE DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ADIF-02		133,330				133,330	C#*D#*E#*F#
TOTAL MEDICIÓN							133,330	

Euro

MEDICIONES

Pág.: 153

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	10	SERVICIOS AFECTADOS
Nivel3	01	LÍNEAS ELÉCTRICAS
Nivel4	02	IBERDROLA

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1063.N01	m	LINEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_AT-01		152,890				152,890	C#*D#*E#*F#
2	IBER_AT-04		1.673,230				1.673,230	C#*D#*E#*F#
3	IBER_AT-07		1.078,240				1.078,240	C#*D#*E#*F#
4	IBER_AT-08		531,680				531,680	C#*D#*E#*F#
5	IBER_AT-09		1.545,860				1.545,860	C#*D#*E#*F#
6	IBER_AT-02		420,970				420,970	C#*D#*E#*F#
7	IBER_AT-05		259,870				259,870	C#*D#*E#*F#
8	IBER_AT-06		64,640				64,640	C#*D#*E#*F#

TOTAL MEDICIÓN 5.727,380

2	1062.N01	m	LINEA ELECTRICA AEREA DE MEDIA TENSION DE 12 KV (1 CIRCUITO), INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-02		409,070				409,070	C#*D#*E#*F#
2	IBER_MT-06		295,020				295,020	C#*D#*E#*F#
3	IBER_MT-08		295,020				295,020	C#*D#*E#*F#
4	IBER_MT-12		537,000				537,000	C#*D#*E#*F#
5	IBER_MT-14_LINEA PPAL		2.091,740				2.091,740	C#*D#*E#*F#
6	IBER_MT-14_LINEA CLIENTE PK 102_820		117,720				117,720	C#*D#*E#*F#
7	IBER_MT-14_CT VERTIENTE SUR		47,120				47,120	C#*D#*E#*F#
8	IBER_MT-14_102_980		180,410				180,410	C#*D#*E#*F#
9	IBER_MT-16		305,860				305,860	C#*D#*E#*F#
10	IBER_MT-17		487,870				487,870	C#*D#*E#*F#
11	IBER_MT-21_PPAL		1.181,140				1.181,140	C#*D#*E#*F#
12	IBER_MT-21_LINEA CLIENTE		23,040				23,040	C#*D#*E#*F#
13	IBER_MT-22		698,710				698,710	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 154

14	IBER_MT-23	34,100	34,100	C#*D#*E#*F#
15	IBER_MT-26	78,650	78,650	C#*D#*E#*F#
16	IBER_MT-39	287,580	287,580	C#*D#*E#*F#
17	IBER_MT-41	128,150	128,150	C#*D#*E#*F#
18	IBER_MT-38	127,550	127,550	C#*D#*E#*F#
19	IBER_MT-48	220,210	220,210	C#*D#*E#*F#
20	IBER_MT-36	172,460	172,460	C#*D#*E#*F#

TOTAL MEDICIÓN 7.718,420

3	1064.N02	m	DESMONTAJE DE INSTALACIÓN AÉREA DE MEDIA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-02		406,860				406,860	C#*D#*E#*F#
2	IBER_MT-03		34,440				34,440	C#*D#*E#*F#
3	IBER_MT-04		306,290				306,290	C#*D#*E#*F#
4	IBER_MT-05		20,030				20,030	C#*D#*E#*F#
5	IBER_MT-06		90,130				90,130	C#*D#*E#*F#
6	IBER_MT-07		131,990				131,990	C#*D#*E#*F#
7	IBER_MT-10		293,700				293,700	C#*D#*E#*F#
8	IBER_MT-11		596,330				596,330	C#*D#*E#*F#
9	IBER_MT-12		557,650				557,650	C#*D#*E#*F#
10	IBER_MT-14		792,180				792,180	C#*D#*E#*F#
11	IBER_MT-15		358,880				358,880	C#*D#*E#*F#
12	IBER_MT-16		306,880				306,880	C#*D#*E#*F#
13	IBER_MT-17		487,870				487,870	C#*D#*E#*F#
14	IBER_MT-21		1.621,400				1.621,400	C#*D#*E#*F#
15	IBER_MT-22		1.498,140				1.498,140	C#*D#*E#*F#
16	IBER_MT-32		145,910				145,910	C#*D#*E#*F#
17	IBER_MT-33		176,300				176,300	C#*D#*E#*F#
18	IBER_MT-34		95,200				95,200	C#*D#*E#*F#
19	IBER_MT-35		34,270				34,270	C#*D#*E#*F#
20	IBER_MT-39		161,770				161,770	C#*D#*E#*F#
21	IBER_MT-46		371,320				371,320	C#*D#*E#*F#
22	IBER_MT-47		134,780				134,780	C#*D#*E#*F#
23	IBER_MT-38		123,350				123,350	C#*D#*E#*F#
24	IBER_MT-43		220,150				220,150	C#*D#*E#*F#
25	IBER_MT-36		172,360				172,360	C#*D#*E#*F#

TOTAL MEDICIÓN 9.138,180

Euro

MEDICIONES

Pág.: 155

4 1067.N08 m CANALIZACIÓN PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y P

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-04		277,770				277,770	C#*D#*E#*F#
2	IBER_MT-05		5,000				5,000	C#*D#*E#*F#
3	IBER_MT-10		45,580				45,580	C#*D#*E#*F#
4	IBER_MT-11		593,680				593,680	C#*D#*E#*F#
5	IBER_MT-14_PPAL		87,480				87,480	C#*D#*E#*F#
6	IBER_MT-14_CT VERTIENTE SUR		72,850				72,850	C#*D#*E#*F#
7	IBER_MT-15		501,320				501,320	C#*D#*E#*F#
8	IBER_BT-01		242,170				242,170	C#*D#*E#*F#
9	IBER_MT-21_CT SUR		254,990				254,990	C#*D#*E#*F#
10	IBER_MT-21_CT SUR 2		236,230				236,230	C#*D#*E#*F#
11	IBER_MT-22		1.077,620				1.077,620	C#*D#*E#*F#
12	IBER_BT-03		290,650				290,650	C#*D#*E#*F#
13	IBER_BT-04		191,300				191,300	C#*D#*E#*F#
14	IBER_MT-46		170,140				170,140	C#*D#*E#*F#

TOTAL MEDICIÓN 4.046,780

5 1068.N08 m CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-04		26,360				26,360	C#*D#*E#*F#
2	IBER_MT-10		14,520				14,520	C#*D#*E#*F#
3	IBER_MT-11		15,430				15,430	C#*D#*E#*F#
4	IBER_MT-14_PPAL		24,790				24,790	C#*D#*E#*F#
5	IBER_MT-14_CT VIVIENDA		42,180				42,180	C#*D#*E#*F#
6	IBER_MT-14_CT VERTIENTE SUR		22,610				22,610	C#*D#*E#*F#
7	IBER_MT-21_PPAL		62,320				62,320	C#*D#*E#*F#
8	IBER_MT-21_CT SUR		32,180				32,180	C#*D#*E#*F#
9	IBER_MT-21_CT SUR 2		11,230				11,230	C#*D#*E#*F#
10	IBER_MT-22		82,400				82,400	C#*D#*E#*F#

TOTAL MEDICIÓN 334,020

6 1073.N21 ud TRASLADO DE CENTRO DE TRANSFORMACIÓN A LA INTEMPERIE SOBRE POSTES DE HASTA 250 KVA

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
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Euro

MEDICIONES

Pág.: 156

1 IBER_MT-14_REGULADOR CUBILLAS 1,000 1,000 C#*D#*E#*F#

TOTAL MEDICIÓN 1,000

7 610.0020 m3 HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-18		1,000	0,150	9,310		1,397	C#*D#*E#*F#
2	IBER_MT-27		1,000	0,150	24,250		3,638	C#*D#*E#*F#
3	IBER_MT-40		1,000	0,150	33,830		5,075	C#*D#*E#*F#

TOTAL MEDICIÓN 10,110

8 1069.N02 m SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE MEDIA TENSIÓN (12 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 12/20 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-04		304,130				304,130	C#*D#*E#*F#
2	IBER_MT-05		5,000				5,000	C#*D#*E#*F#
3	IBER_MT-05		60,100				60,100	C#*D#*E#*F#
4	IBER_MT-11		609,110				609,110	C#*D#*E#*F#
5	IBER_MT-14_PPAL		2.563,480				2.563,480	C#*D#*E#*F#
6	IBER_MT-14_CT VIVIENDA		42,180				42,180	C#*D#*E#*F#
7	IBER_MT-14_CT VERTIENTE SUR		395,460				395,460	C#*D#*E#*F#
8	IBER_MT-15		501,320				501,320	C#*D#*E#*F#
9	IBER_MT-21_PPAL		62,320				62,320	C#*D#*E#*F#
10	IBER_MT-21_CT SUR		287,170				287,170	C#*D#*E#*F#
11	IBER_MT-21_CT SUR 2		247,160				247,160	C#*D#*E#*F#
12	IBER_MT-22		1.160,020				1.160,020	C#*D#*E#*F#
13	IBER_MT-46		286,380				286,380	C#*D#*E#*F#

TOTAL MEDICIÓN 6.523,830

9 1069.N01 m SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE 0,6/1 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_BT-01		242,170				242,170	C#*D#*E#*F#
2	IBER_BT-03		290,650				290,650	C#*D#*E#*F#
3	IBER_BT-04		191,300				191,300	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 157

				TOTAL MEDICIÓN		724,120			
10	1073.N07	Nº	CENTRO DE TRANSFORMACION A LA INTEMPERIE CON POTENCIA NOMINAL DE 100 KVA Y APARAMENTA EN EL MISMO APOYO, INCLUSO APOYO Y ESTRUCTURA DE SOPORTE, TRANSFORMADOR DE INTEMPERIE, EQUIPOS DE SEGURIDAD Y PROTECCIÓN, RED DE TIERRA, TERMINALES Y CABLEADO, INDICADORES DE TENSIÓN, SEÑALIZACIÓN DE PELIGRO Y PRIMEROS AUXILIOS, ELEMENTOS ACCESORIOS, MONTAJE Y CONEXIONADO, PRUEBAS Y ENSAYOS, ASÍ COMO P.P. DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA. TOTALMENTE TERMINADO Y EN FUNCIONAMIENTO						
Num.		Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1		IBER_MT-23		1,000				1,000	C#*D#*E#*F#
				TOTAL MEDICIÓN		1,000			
11	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO						
Num.		Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1		IBER_AT-01		152,890				152,890	C#*D#*E#*F#
2		IBER_AT-04		1.677,290				1.677,290	C#*D#*E#*F#
3		IBER_AT-07		833,630				833,630	C#*D#*E#*F#
4		IBER_AT-08		540,310				540,310	C#*D#*E#*F#
5		IBER_AT-09		1.578,680				1.578,680	C#*D#*E#*F#
6		IBER_AT-02		420,300				420,300	C#*D#*E#*F#
7		IBER_AT-05		262,020				262,020	C#*D#*E#*F#
8		IBER_AT-06		60,490				60,490	C#*D#*E#*F#
				TOTAL MEDICIÓN		5.525,610			
12	1070.N01	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO						
Num.		Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1		IBER_BT-01		232,540				232,540	C#*D#*E#*F#
2		IBER_BT-03		54,260				54,260	C#*D#*E#*F#
3		IBER_BT-04		30,140				30,140	C#*D#*E#*F#
				TOTAL MEDICIÓN		316,940			
13	1066.N03	Nº	TORRE METÁLICA CELOSIA HASTA C-2000/20. INCLUYE SUMINISTRO, IZADO, ARMADO, AMARRES, PUESTA A TIERRA, OBRA CIVIL DE INSTALACIÓN, TOMA DE TIERRA, ASÍ COMO PARTE PROPORCIONAL DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA DE LA INSTALACIÓN						
				MEDICIÓN DIRECTA		0,000			

Euro

MEDICIONES

Pág.: 158

14

1064.N01

m

DESMONTAJE DE INSTALACIÓN AÉREA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Formula
1	IBER_BT-03		250,180				250,180	C#*D#*E#*F#
2	IBER_BT-04		161,420				161,420	C#*D#*E#*F#
TOTAL MEDICIÓN							411,600	

15

1080.N01

m

PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø500 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	IBER_MT-14		71,460				71,460	C#*D#*E#*F#
2	IBER_MT-22		63,490				63,490	C#*D#*E#*F#
3	IBER_MT-46		116,240				116,240	C#*D#*E#*F#
TOTAL MEDICIÓN							251,190	

Nivel1

00

A-62 DUEÑAS-CIGALES

Nivel2

10

SERVICIOS AFECTADOS

Nivel3

02

GASODUCTOS

Nivel4

01

ENAGAS

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	ENAGAS-01		26,100	1,000			26,100	C#*D#*E#*F#
TOTAL MEDICIÓN							26,100	

Nivel1

00

A-62 DUEÑAS-CIGALES

Nivel2

10

SERVICIOS AFECTADOS

Nivel3

02

GASODUCTOS

Nivel4

02

NEDGIA GAS NATURAL

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	NEDGIA-03		18,060	1,200			21,672	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 159

2	NEDGIA-01			40,870	1,200		49,044	C#*D#*E#*F#
TOTAL MEDICIÓN							70,716	
2	1039.N10	M	REPOSICIÓN DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD DE DN= 200 MM PARA PN= 6 ATM PARA ABASTECIMIENTO, INCLUSO PARTE PROPORCIONAL DE UNIONES, PIEZAS ESPECIALES Y CONEXIONES, DESMONTAJE DE TUBERÍA EXISTENTE, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	NEDGIA-02		154,800				154,800	C#*D#*E#*F#
TOTAL MEDICIÓN							154,800	
3	1042.N12	m	REPOSICIÓN DE CONDUCCIÓN DE GASEODUCTO DE 6 PULGADAS DE ACERO PARA ALTA PRESIÓN A, INCLUSO EXCAVACIÓN, COMPACTACIÓN Y RELLENO, ARQUETAS, UNIONES, ELEMENTOS MECÁNICOS, PRUEBAS DE FUNCIONAMIENTO, TRAMITACIÓN, LEGALIZACIÓN, DIRECCIÓN DE OBRA Y TODAS LAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	NEDGIA-01		30,240				30,240	C#*D#*E#*F#
TOTAL MEDICIÓN							30,240	

Nivel1	00	A-62 DUEÑAS-CIGALES						
Nivel2	10	SERVICIOS AFECTADOS						
Nivel3	03	OLEODUCTOS						
Nivel4	01	COMPANÍA LOGÍSTICA DE HIDROCARBUROS (CLH)						
NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	CLH-02		36,560	1,250			45,700	C#*D#*E#*F#
2	CLH-03		83,910	1,100			92,301	C#*D#*E#*F#
TOTAL MEDICIÓN							138,001	

Nivel1	00	A-62 DUEÑAS-CIGALES						
Nivel2	10	SERVICIOS AFECTADOS						
Nivel3	04	TELECOMUNICACIONES						
Nivel4	01	MOVISTAR						
NUM.	CÓDIGO	UM	DESCRIPCIÓN					
1	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPANÍA					

Euro

MEDICIONES

Pág.: 160

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-01		1.406,690	0,500			703,345	C#*D#*E#*F#
2	MOVISTAR-02		205,310	0,500			102,655	C#*D#*E#*F#
3	MOVISTAR-03		707,430	0,500			353,715	C#*D#*E#*F#
4	MOVISTAR-04		421,870	0,500			210,935	C#*D#*E#*F#
5	MOVISTAR-05		72,200	0,500			36,100	C#*D#*E#*F#
6	MOVISTAR-06		747,390	0,500			373,695	C#*D#*E#*F#
7	MOVISTAR-07		527,010	0,500			263,505	C#*D#*E#*F#
8	MOVISTAR-08		465,710	0,500			232,855	C#*D#*E#*F#
9	MOVISTAR-09		301,890	0,500			150,945	C#*D#*E#*F#
10	MOVISTAR-10		147,030	0,500			73,515	C#*D#*E#*F#
11	MOVISTAR-12		284,210	0,500			142,105	C#*D#*E#*F#
12	MOVISTAR-13		71,410	0,500			35,705	C#*D#*E#*F#
13	MOVISTAR-16		12,140	0,500			6,070	C#*D#*E#*F#
14	MOVISTAR-17		316,550	0,500			158,275	C#*D#*E#*F#
15	MOVISTAR-18		93,770	0,500			46,885	C#*D#*E#*F#
16	MOVISTAR-19		280,010	0,500			140,005	C#*D#*E#*F#
17	MOVISTAR-20		156,430	0,500			78,215	C#*D#*E#*F#
18	MOVISTAR-22		345,530	0,500			172,765	C#*D#*E#*F#
19	MOVISTAR-23		1.515,600	0,500			757,800	C#*D#*E#*F#
20	MOVISTAR-25		287,090	0,500			143,545	C#*D#*E#*F#
21	MOVISTAR-26		81,640	0,500			40,820	C#*D#*E#*F#
22	MOVISTAR-27		930,330	0,500			465,165	C#*D#*E#*F#
TOTAL MEDICIÓN							4.688,620	

2	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.					
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-01		1.734,430	0,500			867,215	C#*D#*E#*F#
2	MOVISTAR-02		378,850	0,500			189,425	C#*D#*E#*F#
3	MOVISTAR-03		778,020	0,500			389,010	C#*D#*E#*F#
4	MOVISTAR-04		638,390	0,500			319,195	C#*D#*E#*F#
5	MOVISTAR-07		168,570	0,500			84,285	C#*D#*E#*F#
6	MOVISTAR-08		293,370	0,500			146,685	C#*D#*E#*F#
7	MOVISTAR-09		331,570	0,500			165,785	C#*D#*E#*F#
8	MOVISTAR-10		471,000	0,500			235,500	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 161

9	MOVISTAR-13	71,410	0,500	35,705	C#*D#*E#*F#
10	MOVISTAR-16	6,000	0,500	3,000	C#*D#*E#*F#
11	MOVISTAR-17	65,380	0,500	32,690	C#*D#*E#*F#
12	MOVISTAR-19	319,700	0,500	159,850	C#*D#*E#*F#
13	MOVISTAR-20	156,040	0,500	78,020	C#*D#*E#*F#
14	MOVISTAR-22	337,290	0,500	168,645	C#*D#*E#*F#
15	MOVISTAR-23	1.633,760	0,500	816,880	C#*D#*E#*F#
16	MOVISTAR-25	556,460	0,500	278,230	C#*D#*E#*F#
17	MOVISTAR-26	95,800	0,500	47,900	C#*D#*E#*F#
18	MOVISTAR-27	868,120	0,500	434,060	C#*D#*E#*F#

TOTAL MEDICIÓN4.452,080

31026.N13M
CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-01		15,120	0,500			7,560	C#*D#*E#*F#
2	MOVISTAR-02		39,820	0,500			19,910	C#*D#*E#*F#
3	MOVISTAR-03		51,120	0,500			25,560	C#*D#*E#*F#
4	MOVISTAR-04		18,450	0,500			9,225	C#*D#*E#*F#
5	MOVISTAR-06		20,700	0,500			10,350	C#*D#*E#*F#
6	MOVISTAR-08		36,010	0,500			18,005	C#*D#*E#*F#
7	MOVISTAR-09		42,810	0,500			21,405	C#*D#*E#*F#
8	MOVISTAR-10		17,890	0,500			8,945	C#*D#*E#*F#
9	MOVISTAR-19		12,340	0,500			6,170	C#*D#*E#*F#
10	MOVISTAR-23		15,750	0,500			7,875	C#*D#*E#*F#
11	MOVISTAR-25		10,640	0,500			5,320	C#*D#*E#*F#
12	MOVISTAR-26		11,000	0,500			5,500	C#*D#*E#*F#
13	MOVISTAR-27		123,050	0,500			61,525	C#*D#*E#*F#

TOTAL MEDICIÓN207,350

41022.N06m
SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA TELEFÓNICA (SUPERIOR A 1200 PARES), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-01		1.734,430	0,500			867,215	C#*D#*E#*F#
2	MOVISTAR-02		418,670	0,500			209,335	C#*D#*E#*F#
3	MOVISTAR-03		829,140	0,500			414,570	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 162

4	MOVISTAR-04	656,840	0,500	328,420	C#*D#*E#*F#
5	MOVISTAR-06	20,700	0,500	10,350	C#*D#*E#*F#
6	MOVISTAR-07	262,770	0,500	131,385	C#*D#*E#*F#
7	MOVISTAR-08	388,720	0,500	194,360	C#*D#*E#*F#
8	MOVISTAR-09	374,380	0,500	187,190	C#*D#*E#*F#
9	MOVISTAR-10	489,290	0,500	244,645	C#*D#*E#*F#
10	MOVISTAR-13	71,410	0,500	35,705	C#*D#*E#*F#
11	MOVISTAR-16	6,000	0,500	3,000	C#*D#*E#*F#
12	MOVISTAR-17	65,380	0,500	32,690	C#*D#*E#*F#
13	MOVISTAR-19	332,040	0,500	166,020	C#*D#*E#*F#
14	MOVISTAR-20	156,040	0,500	78,020	C#*D#*E#*F#
15	MOVISTAR-22	337,290	0,500	168,645	C#*D#*E#*F#
16	MOVISTAR-23	1.649,510	0,500	824,755	C#*D#*E#*F#
17	MOVISTAR-25	336,170	0,500	168,085	C#*D#*E#*F#
18	MOVISTAR-26	106,080	0,500	53,040	C#*D#*E#*F#
19	MOVISTAR-27	991,170	0,500	495,585	C#*D#*E#*F#

TOTAL MEDICIÓN4.613,015

51021.N03m
LÍNEA TELEFÓNICA AÉREA (SUPERIOR A 200 PARES), INCLUSO PARTE PROPORCIONAL DE APOYOS, FIJACIONES Y ANCLAJES, PRUEBAS Y ENSAYOS, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-03		60,000	0,500			30,000	C#*D#*E#*F#
2	MOVISTAR-05		64,400	0,500			32,200	C#*D#*E#*F#
3	MOVISTAR-06		862,500	0,500			431,250	C#*D#*E#*F#
4	MOVISTAR-12		295,810	0,500			147,905	C#*D#*E#*F#
5	MOVISTAR-17		340,780	0,500			170,390	C#*D#*E#*F#
6	MOVISTAR-18		64,870	0,500			32,435	C#*D#*E#*F#
7	MOVISTAR-23		96,050	0,500			48,025	C#*D#*E#*F#

TOTAL MEDICIÓN892,205

6610.0020m3
HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-06		5,250	0,520	0,520	0,500	0,710	C#*D#*E#*F#
2	MOVISTAR-06		5,250	-0,220	0,220	0,500	-0,127	C#*D#*E#*F#
3	MOVISTAR-14		18,240	0,520	0,520	0,500	2,466	C#*D#*E#*F#
4	MOVISTAR-14		18,240	-0,220	0,220	0,500	-0,441	C#*D#*E#*F#

TOTAL MEDICIÓN2,608

Euro

MEDICIONES

Pág.: 163

7	1080.N02	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø400 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	MOVISTAR-07		94,200	0,500			47,100	C#*D#*E#*F#
2	MOVISTAR-08		59,340	0,500			29,670	C#*D#*E#*F#
TOTAL MEDICIÓN							76,770	

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	10	SERVICIOS AFECTADOS
Nivel3	04	TELECOMUNICACIONES
Nivel4	02	CORREOS TELECOM

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	CORREOS-01		1.521,970				1.521,970	C#*D#*E#*F#
2	CORREOS-02		2.320,550				2.320,550	C#*D#*E#*F#
3	CORREOS-03		3.033,350				3.033,350	C#*D#*E#*F#
4	CORREOS-04		2.317,700				2.317,700	C#*D#*E#*F#
5	CORREOS-05		2.425,050				2.425,050	C#*D#*E#*F#
6	CORREOS-06		1.172,890				1.172,890	C#*D#*E#*F#
7	CORREOS-07		1.143,310				1.143,310	C#*D#*E#*F#
8	CORREOS-08		4.018,050				4.018,050	C#*D#*E#*F#
9	CORREOS-10		1.513,420				1.513,420	C#*D#*E#*F#
10	CORREOS-11		2.032,490				2.032,490	C#*D#*E#*F#
11	CORREOS-12		2.707,780				2.707,780	C#*D#*E#*F#
12	CORREOS-09		172,250				172,250	C#*D#*E#*F#

TOTAL MEDICIÓN							24.378,810
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2	1026.N13	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.				
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
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Euro

MEDICIONES

Pág.: 164

1	CORREOS-01	150,000	150,000	C#*D#*E#*F#
2	CORREOS-03	43,100	43,100	C#*D#*E#*F#
3	CORREOS-07	30,240	30,240	C#*D#*E#*F#
4	CORREOS-10	31,320	31,320	C#*D#*E#*F#
5	CORREOS-11	11,600	11,600	C#*D#*E#*F#
6	CORREOS-12	229,160	229,160	C#*D#*E#*F#
7	CORREOS-08	51,960	51,960	C#*D#*E#*F#
8	CORREOS-04	62,400	62,400	C#*D#*E#*F#
9	CORREOS-05	19,450	19,450	C#*D#*E#*F#

TOTAL MEDICIÓN							629,230
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3	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA				
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	CORREOS-01		1.540,000				1.540,000	C#*D#*E#*F#
2	CORREOS-02		2.188,450				2.188,450	C#*D#*E#*F#
3	CORREOS-03		2.139,750				2.139,750	C#*D#*E#*F#
4	CORREOS-04		2.302,520				2.302,520	C#*D#*E#*F#
5	CORREOS-05		2.295,940				2.295,940	C#*D#*E#*F#
6	CORREOS-06		1.061,030				1.061,030	C#*D#*E#*F#
7	CORREOS-07		1.024,050				1.024,050	C#*D#*E#*F#
8	CORREOS-08		2.977,510				2.977,510	C#*D#*E#*F#
9	CORREOS-09		494,400				494,400	C#*D#*E#*F#
10	CORREOS-10		1.107,380				1.107,380	C#*D#*E#*F#
11	CORREOS-11		1.938,450				1.938,450	C#*D#*E#*F#
12	CORREOS-12		2.536,190				2.536,190	C#*D#*E#*F#

TOTAL MEDICIÓN							21.605,670
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4	1024.N04	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (SUPERIOR A 48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO				
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	CORREOS-01		2.342,750				2.342,750	C#*D#*E#*F#
2	CORREOS-02		2.311,310				2.311,310	C#*D#*E#*F#
3	CORREOS-03		3.076,450				3.076,450	C#*D#*E#*F#
4	CORREOS-04		2.380,100				2.380,100	C#*D#*E#*F#
5	CORREOS-05		2.444,500				2.444,500	C#*D#*E#*F#
6	CORREOS-06		1.172,890				1.172,890	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 165

7	CORREOS-07	1.143,310	1.143,310	C#*D#*E#*F#
8	CORREOS-08	4.580,980	4.580,980	C#*D#*E#*F#
9	CORREOS-09	686,990	686,990	C#*D#*E#*F#
10	CORREOS-10	2.569,360	2.569,360	C#*D#*E#*F#
11	CORREOS-11	2.133,190	2.133,190	C#*D#*E#*F#
12	CORREOS-12	3.265,060	3.265,060	C#*D#*E#*F#
TOTAL MEDICIÓN		28.106,890		

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	10	SERVICIOS AFECTADOS
Nivel3	05	RIEGO
Nivel4	01	CONFEDERACIÓN HIDROGRÁFICA DUERO

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1076.N01	PAJ	PAJ MEDIANTE FACTURA DESTINADA A SSAA RIEGO INCLUSO EXCAVACIÓN DE ZANJA, RELLENO, COMPACTACIÓN Y ASIENTO DE CAMA, EJECUCIÓN DE ARQUETAS DE 2x2 CON ARENERO DE 0.50 MTS, VÁLVULA DE 250 MM PARA DESAGÜE Y TODAS AQUELLAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA

MEDICIÓN DIRECTA 1,000

Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	10	SERVICIOS AFECTADOS
Nivel3	06	STI
Nivel4	01	DGT VALLADOLID

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1025.N11	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-01		1.543,550				1.543,550	C#*D#*E#*F#
2	DGT-02		4.673,500				4.673,500	C#*D#*E#*F#
3	DGT-03		2.207,860				2.207,860	C#*D#*E#*F#
4	DGT-04		1.361,820				1.361,820	C#*D#*E#*F#
5	DGT-05		2.481,970				2.481,970	C#*D#*E#*F#
6	DGT-06		221,300				221,300	C#*D#*E#*F#
7	DGT-08		799,580				799,580	C#*D#*E#*F#
8	DGT-09		1.897,650				1.897,650	C#*D#*E#*F#
9	DGT-10		1.045,090				1.045,090	C#*D#*E#*F#
10	DGT-07		37,610				37,610	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 166

		TOTAL MEDICIÓN		16.269,930				
2	1026.N11	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPAC					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-01		227,530				227,530	C#*D#*E#*F#
2	DGT-02		214,080				214,080	C#*D#*E#*F#
3	DGT-04		35,220				35,220	C#*D#*E#*F#
4	DGT-06		12,720				12,720	C#*D#*E#*F#
5	DGT-08		28,530				28,530	C#*D#*E#*F#
6	DGT-09		235,390				235,390	C#*D#*E#*F#
7	DGT-10		120,710				120,710	C#*D#*E#*F#
8	DGT-05		38,510				38,510	C#*D#*E#*F#
		TOTAL MEDICIÓN		912,690				

3	1024.N03	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (24-48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO		
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-01		1.771,080				1.771,080	C#*D#*E#*F#
2	DGT-02		5.683,560				5.683,560	C#*D#*E#*F#
3	DGT-03		3.077,740				3.077,740	C#*D#*E#*F#
4	DGT-04		2.742,610				2.742,610	C#*D#*E#*F#
5	DGT-05		2.580,160				2.580,160	C#*D#*E#*F#
6	DGT-06		2.351,120				2.351,120	C#*D#*E#*F#
7	DGT-07		3.279,620				3.279,620	C#*D#*E#*F#
8	DGT-08		2.945,710				2.945,710	C#*D#*E#*F#
9	DGT-09		2.766,400				2.766,400	C#*D#*E#*F#
10	DGT-10		1.165,800				1.165,800	C#*D#*E#*F#

TOTAL MEDICIÓN 28.363,800

4	1024.N01	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (INFERIOR A 16 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADA		
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-08		50,200				50,200	C#*D#*E#*F#
2	DGT-09		794,260				794,260	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 167

				TOTAL MEDICIÓN	844,460
5	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA		

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-01		1.506,367				1.506,367	C#*D#*E#*F#
2	DGT-02		3.809,590				3.809,590	C#*D#*E#*F#
3	DGT-03		2.060,430				2.060,430	C#*D#*E#*F#
4	DGT-04		1.276,950				1.276,950	C#*D#*E#*F#
5	DGT-05		2.143,890				2.143,890	C#*D#*E#*F#
6	DGT-06		201,340				201,340	C#*D#*E#*F#
7	DGT-08		764,330				764,330	C#*D#*E#*F#
8	DGT-09		619,920				619,920	C#*D#*E#*F#
9	DGT-10		701,500				701,500	C#*D#*E#*F#

				TOTAL MEDICIÓN	13.084,317
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6	1074.N01	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X6 MM2						
Num.		Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1		DGT-02		63,320				63,320	C#*D#*E#*F#
2		DGT-09		20,740				20,740	C#*D#*E#*F#
3		DGT-03		49,400				49,400	C#*D#*E#*F#

				TOTAL MEDICIÓN	133,460
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7	1074.N02	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X6 MM2					
Num. Texto		Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-08		91,130				91,130	C#*D#*E#*F#

				TOTAL MEDICIÓN	91,130
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8	1074.N03	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X10 MM2					
Num. Texto		Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-09		498,600				498,600	C#*D#*E#*F#

				TOTAL MEDICIÓN	498,600
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9	1074.N04	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X25 MM2					
Num. Texto		Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-02		803,690				803,690	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 168

2	DGT-03		49,400				49,400	C#*D#*E#*F#
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				TOTAL MEDICIÓN	853,090
10	1075.N01	ud	REUBICACIÓN DE CÁMARA TV INSTALADA SOBRE BÁCULO DE 12 M. DE ALTURA, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.		

Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-09		1,000				1,000	C#*D#*E#*F#

				TOTAL MEDICIÓN	1,000
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11	1074.N05	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X35 MM2					
Num. Texto		Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-09		1.101,820				1.101,820	C#*D#*E#*F#

				TOTAL MEDICIÓN	1.101,820
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12	1075.N06	ud	REUBICACIÓN DE ARMARIO DE ACOMETIDAS Y PROTECCIONES, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.		
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Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-08		1,000				1,000	C#*D#*E#*F#

				TOTAL MEDICIÓN	1,000
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13	931.N001	ud	ESPIRA SIMPLE DETECTORA DE AFOROS					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-02		3,000				3,000	C#*D#*E#*F#
2	DGT-09		8,000				8,000	C#*D#*E#*F#

				TOTAL MEDICIÓN	11,000
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14	931.N002	ud	ESPIRA DOBLE DETECTORA DE AFOROS					
Num.	Texto	Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-02		6,000				6,000	C#*D#*E#*F#
2	DGT-08		2,000				2,000	C#*D#*E#*F#
3	DGT-09		12,000				12,000	C#*D#*E#*F#

				TOTAL MEDICIÓN	20,000
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15	301.N210	ud	DESMONTAJE Y POSTERIOR TRASLADO A ALMACEN DE PORTICO DE SEÑALIZACION					
Num. Texto		Tipo	[C]	[D]	[E]	[F]	TOTAL	Fórmula
1	DGT-08		1,000				1,000	C#*D#*E#*F#

Euro

MEDICIONES

Pág.: 169

TOTAL MEDICIÓN			1,000
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	10	SERVICIOS AFECTADOS
Nivel3	07	ABASTECIMIENTO
Nivel4	01	EXCMO. AYTO. CIGALES

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	1090.N01	PAJ	PARTIDA ALZADA A JUSTIFICAR MEDIANTE FACTURA DESTINADA A REPOSICIÓN DE ESTACIÓN DE BOMBEO EXISTENTE CON TODOS LOS ELEMENTOS ASOCIADOS AL MISMO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN INSTALACIONES EXISTENTES, DESMONTAJE DE ELEMENTOS EXISTENTES ASOCIADOS AL BOMBEO Y A LA INSTALACIÓN DE TELECONTROL, EJECUCIÓN DE EXCAVACIÓN, CAMAS DE ASIENTO, CIMENTACIONES, ARMADURAS, HORMIGONADOS, RELLENOS Y COMPACTACIÓN Y CERRAMIENTOS, ADemás DE NUEVA INSTALACIÓN DE BOMBEO, INCLUSO BOMBAS, CUADROS DE MANIOBRA Y PROTECCIÓN, PIEZAS ESPECIALES, UNIONES Y CONEXIONES, Y EJECUCIÓN DE NUEVA INSTALACIÓN DE TELECONTROL POR RADIO, INCLUYENDO COLOCACIÓN Y PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA

MEDICIÓN DIRECTA	1,000
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	11	VARIOS

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	990.N010	ud	IMPREVISTOS
2	991.N001	PAI	PARTIDA ALZADA DE ABONO ÍNTEGRO PARA LA AUDITORÍA DE SEGURIDAD Y VIAL Y PUESTA EN SERVICIO

MEDICIÓN DIRECTA	1,000
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MEDICIÓN DIRECTA	1,000
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Nivel1	00	A-62 DUEÑAS-CIGALES
Nivel2	12	SEGURIDAD Y SALUD

NUM.	CÓDIGO	UM	DESCRIPCIÓN
1	990.N020	ud	ESTUDIO DE SEGURIDAD Y SALUD

MEDICIÓN DIRECTA	1,000
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Euro

2. CUADROS DE PRECIOS

2.1. CUADRO DE PRECIOS N°1

CUADRO DE PRECIOS 1

Página 1

Partida	Código	Tipo	Descripción	Precio
1	1021.N03	m	LÍNEA TELEFÓNICA AÉREA (SUPERIOR A 200 PARES), INCLUSO PARTE PROPORCIONAL DE APOYOS, FIJACIONES Y ANCLAJES, PRUEBAS Y ENSAYOS, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA	
			TREINTA Y TRES EUROS CON TREINTA Y CUATRO CÉNTIMOS	33,34 €
2	1022.N06	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA TELEFÓNICA (SUPERIOR A 1200 PARES), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			CINCUENTA Y SIETE EUROS CON NOVENTA Y OCHO CÉNTIMOS	57,98 €
3	1024.N01	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (INFERIOR A 16 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADA	
			DIECIOCHO EUROS CON CINCUENTA CÉNTIMOS	18,50 €
4	1024.N03	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (24-48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			TREINTA Y UN EUROS CON CUARENTA Y CINCO CÉNTIMOS	31,45 €
5	1024.N04	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (SUPERIOR A 48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			CUARENTA Y UN EUROS CON OCHENTA Y SEIS CÉNTIMOS	41,86 €
6	1025.N11	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			VEINTINUEVE EUROS CON VEINTICUATRO CÉNTIMOS	29,24 €

CUADRO DE PRECIOS 1

Página 2

Partida	Código	Tipo	Descripción	Precio
7	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			CUARENTA Y DOS EUROS CON DIECINUEVE CÉNTIMOS	42,19 €
8	1026.N11	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPAC	
			TREINTA Y TRES EUROS CON CINCUENTA Y CINCO CÉNTIMOS	33,55 €
9	1026.N13	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			CUARENTA Y SIETE EUROS CON SESENTA Y UN CÉNTIMOS	47,61 €
10	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA	
			OCHO EUROS CON CINCUENTA Y SIETE CÉNTIMOS	8,57 €
11	1039.N10	M	REPOSICIÓN DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD DE DN= 200 MM PARA PN= 6 ATM PARA ABASTECIMIENTO, INCLUSO PARTE PROPORCIONAL DE UNIONES, PIEZAS ESPECIALES Y CONEXIONES, DESMONTAJE DE TUBERÍA EXISTENTE, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			CUARENTA Y OCHO EUROS CON NOVENTA Y CINCO CÉNTIMOS	48,95 €

CUADRO DE PRECIOS 1

Página 3

Partida	Código	Tipo	Descripción	Precio
12	1042.N12	m	REPOSICIÓN DE CONDUCCIÓN DE GASEODUCTO DE 6 PULGADAS DE ACERO PARA ALTA PRESIÓN A, INCLUSO EXCAVACIÓN, COMPACTACIÓN Y RELLENO, ARQUETAS, UNIONES, ELEMENTOS MECÁNICOS, PRUEBAS DE FUNCIONAMIENTO, TRAMITACIÓN, LEGALIZACIÓN, DIRECCIÓN DE OBRA Y TODAS LAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			SEISCIENTOS OCHENTA Y SEIS EUROS CON VEINTISIETE CÉNTIMOS	686,27 €
13	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			TREINTA EUROS	30,00 €
14	1062.N01	m	LINEA ELECTRICA AEREA DE MEDIA TENSION DE 12 KV (1 CIRCUITO), INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	
			CIENTO CINCO EUROS CON OCHENTA Y SEIS CÉNTIMOS	105,86 €
15	1063.N01	m	LINEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	
			DOSCIENTOS CINCUENTA Y DOS EUROS CON SESENTA Y DOS CÉNTIMOS	252,62 €
16	1064.N01	m	DESMONTAJE DE INSTALACIÓN AÉREA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			CUATRO EUROS CON VEINTISEIS CÉNTIMOS	4,26 €
17	1064.N02	m	DESMONTAJE DE INSTALACIÓN AÉREA DE MEDIA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			QUINCE EUROS CON CINCUENTA Y TRES CÉNTIMOS	15,53 €

CUADRO DE PRECIOS 1

Página 4

Partida	Código	Tipo	Descripción	Precio
18	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			VEINTE EUROS CON OCHENTA Y SIETE CÉNTIMOS	20,87 €
19	1066.N03	Nº	TORRE METÁLICA CELOSIA HASTA C-2000/20. INCLUYE SUMINISTRO, IZADO, ARMADO, AMARRES, PUESTA A TIERRA, OBRA CIVIL DE INSTALACIÓN, TOMA DE TIERRA, ASÍ COMO PARTE PROPORCIONAL DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA DE LA INSTALACIÓN	
			CUATRO MIL QUINIENTOS SESENTA Y UN EUROS CON OCHENTA Y UN CÉNTIMOS	4.561,81 €
20	1067.N08	m	CANALIZACIÓN PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y P	
			CUARENTA Y SEIS EUROS CON DIECISIETE CÉNTIMOS	46,17 €
21	1068.N04	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 6 CONDUCTOS DE PE DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			NOVENTA Y TRES EUROS CON NOVENTA Y DOS CÉNTIMOS	93,92 €
22	1068.N08	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			CINCUENTA Y UN EUROS CON CINCUENTA Y CINCO CÉNTIMOS	51,55 €

CUADRO DE PRECIOS 1

Página 5

Partida	Código	Tipo	Descripción	Precio
23	1069.N01	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE 0,6/1 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			VEINTISIETE EUROS CON TREINTA Y SIETE CÉNTIMOS	27,37 €
24	1069.N02	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE MEDIA TENSIÓN (12 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 12/20 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			SESENTA Y SIETE EUROS CON DIECISEIS CÉNTIMOS	67,16 €
25	1069.N04	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 33/66 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			DOSCIENTOS SETENTA Y NUEVE EUROS CON VEINTICINCO CÉNTIMOS	279,25 €
26	1070.N01	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			ONCE EUROS CON DIECINUEVE CÉNTIMOS	11,19 €
27	1070.N03	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE ALTA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			VEINTISEIS EUROS CON NOVENTA Y NUEVE CÉNTIMOS	26,99 €

CUADRO DE PRECIOS 1

Página 6

Partida	Código	Tipo	Descripción	Precio
28	1073.N07	Nº	CENTRO DE TRANSFORMACION A LA INTEMPERIE CON POTENCIA NOMINAL DE 100 KVA Y APARAMENTA EN EL MISMO APOYO, INCLUSO APOYO Y ESTRUCTURA DE SOPORTE, TRANSFORMADOR DE INTEMPERIE, EQUIPOS DE SEGURIDAD Y PROTECCIÓN, RED DE TIERRA, TERMINALES Y CABLEADO, INDICADORES DE TENSIÓN, SEÑALIZACIÓN DE PELIGRO Y PRIMEROS AUXILIOS, ELEMENTOS ACCESORIOS, MONTAJE Y CONEXIONADO, PRUEBAS Y ENSAYOS, ASÍ COMO P.P. DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA. TOTALMENTE TERMINADO Y EN FUNCIONAMIENTO	
			NUEVE MIL SEISCIENTOS EUROS	9.600,00 €
29	1073.N21	ud	TRASLADO DE CENTRO DE TRANSFORMACIÓN A LA INTEMPERIE SOBRE POSTES DE HASTA 250 KVA	
			ONCE MIL QUINIENTOS EUROS	11.500,00 €
30	1074.N01	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X6 MM2	
			UN EURO CON OCHENTA Y DOS CÉNTIMOS	1,82 €
31	1074.N02	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X6 MM2	
			TRES EUROS CON SETENTA Y SIETE CÉNTIMOS	3,77 €
32	1074.N03	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X10 MM2	
			SEIS EUROS CON SETENTA Y CINCO CÉNTIMOS	6,75 €
33	1074.N04	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X25 MM2	
			NUEVE EUROS CON SETENTA Y CINCO CÉNTIMOS	9,75 €
34	1074.N05	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X35 MM2	
			ONCE EUROS CON VEINTITRES CÉNTIMOS	11,23 €
35	1075.N01	ud	REUBICACIÓN DE CÁMARA TV INSTALADA SOBRE BÁCULO DE 12 M. DE ALTURA, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.	
			TRESCIENTOS QUINCE EUROS	315,00 €
36	1075.N06	ud	REUBICACIÓN DE ARMARIO DE ACOMETIDAS Y PROTECCIONES, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.	
			MIL EUROS	1.000,00 €

CUADRO DE PRECIOS 1

Página 7

Partida	Código	Tipo	Descripción	Precio
37	1080.N01	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø500 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	
			NOVECIENTOS TREINTA Y CINCO EUROS	935,00 €
38	1080.N02	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø400 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	
			OCHOCIENTOS VEINTIUN EUROS CON CUARENTA CÉNTIMOS	821,40 €
39	1090.N01	PAJ	PARTIDA ALZADA A JUSTIFICAR MEDIANTE FACTURA DESTINADA A REPOSICIÓN DE ESTACIÓN DE BOMBEO EXISTENTE CON TODOS LOS ELEMENTOS ASOCIADOS AL MISMO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN INSTALACIONES EXISTENTES, DESMONTAJE DE ELEMENTOS EXISTENTES ASOCIADOS AL BOMBEO Y A LA INSTALACIÓN DE TELECONTROL, EJECUCIÓN DE EXCAVACIÓN, CAMAS DE ASIENTO, CIMENTACIONES, ARMADURAS, HORMIGONADOS, RELLENOS Y COMPACTACIÓN Y CERRAMIENTOS, ADEMÁS DE NUEVA INSTALACIÓN DE BOMBEO, INCLUSO BOMBAS, CUADROS DE MANIOBRA Y PROTECCIÓN, PIEZAS ESPECIALES, UNIONES Y CONEXIONES, Y EJECUCIÓN DE NUEVA INSTALACIÓN DE TELECONTROL POR RADIO, INCLUYENDO COLOCACIÓN Y PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			NOVENTA MIL EUROS	90.000,00 €
40	202.0020	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	
			SETENTA Y UN EUROS CON DIECIOCHO CÉNTIMOS	71,18 €
41	211.0040	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	
			CUATROCIENTOS OCHENTA EUROS	480,00 €

CUADRO DE PRECIOS 1

Página 8

Partida	Código	Tipo	Descripción	Precio
42	211.0050	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	
			CUATROCIENTOS OCHENTA EUROS	480,00 €
43	215.0030	t	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.	
			QUINIENTOS CUARENTA EUROS	540,00 €
44	290.0030	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 3 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO SEPARADOR, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DE MÁS DE 18,5 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DE MÁS DE 17,7 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DE MÁS DE 60%, ELONGACIÓN TRANSVERSAL EN ROTURA DE MÁS DEL 60%, PUNZONAMIENTO ESTÁTICO (CBR) DE MÁS DE 3020 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DE MENOS DE 13 mm Y PERMEABILIDAD AL AGUA DE MÁS DE 7,3 10-6/m²/s.	
			CUATRO EUROS CON NOVENTA Y OCHO CÉNTIMOS	4,98 €
45	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			TRES EUROS CON CINCUENTA Y CUATRO CÉNTIMOS	3,54 €
46	300.0010	m2	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			CERO EUROS CON CINCUENTA Y OCHO CÉNTIMOS	0,58 €
47	301.0010	m3	DEMOLICIÓN DE VOLUMEN APARENTE DE EDIFICACIÓN EXISTENTE i/ DEMOLICIÓN DE LA CIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			OCHO EUROS CON NOVENTA Y CINCO CÉNTIMOS	8,95 €

CUADRO DE PRECIOS 1

Página 9

Partida	Código	Tipo	Descripción	Precio
48	301.0020	m3	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			TREINTA Y DOS EUROS CON CUARENTA Y CUATRO CÉNTIMOS	32,44 €
49	301.0040	m2	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR i/ BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DEMOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			TRES EUROS CON OCHENTA Y CINCO CÉNTIMOS	3,85 €
50	301.0140	m²c	FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE i/ CARGA, BARRIDO, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO Y/O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			CERO EUROS CON CINCUENTA Y UN CÉNTIMOS	0,51 €
51	301.N210	ud	DESMONTAJE Y POSTERIOR TRASLADO A ALMACEN DE PORTICO DE SEÑALIZACION	
			NUEVE MIL OCHOCIENTOS EUROS	9.800,00 €
52	306.0020	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DE LOS EQUIPOS DE SONDEO, i/ PRIMER EMPLAZAMIENTO Y TÉCNICO AUXILIAR.	
			SEISCIENTOS TREINTA Y SEIS EUROS CON CINCUENTA CÉNTIMOS	636,50 €
53	306.0030	ud	TRASLADO DE SONDA ENTRE PUNTOS A RECONOCER, INCLUSO EMPLAZAMIENTO (UNO MENOS QUE EL Nº TOTAL DE PUNTOS).	
			VEINTE EUROS	20,00 €
54	306.0040	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DEL CONJUNTO DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, O CUALQUIER OTRO EQUIPO ANÁLOGO.	
			TRESCIENTOS CINCUENTA Y UN EUROS CON DOS CÉNTIMOS	351,02 €
55	306.0050	ud	TRASLADO ENTRE PUNTOS A RECONOCER DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, ETC.	

CUADRO DE PRECIOS 1

Página 10

Partida	Código	Tipo	Descripción	Precio
			SEIS EUROS	6,00 €
56	306.0150	ud	TOMA DE MUESTRA INALTERADA CON TOMAMUESTRAS DE TIPO ABIERTO, A CUALQUIER PROFUNDIDAD.	
			TREINTA EUROS	30,00 €
57	306.0170	ud	TESTIGO PARAFINADO DE LONGITUD L > 35 cm DE Y Ø > 70 mm, A CUALQUIER PROFUNDIDAD.	
			QUINCE EUROS	15,00 €
58	306.0180	m	TUBO RANURADO DE PVC, DE DIÁMETRO Ø > 60 mm, COLOCADO EN EL INTERIOR DE SONDEO.	
			OCHO EUROS CON TREINTA Y SIETE CÉNTIMOS	8,37 €
59	306.0190	ud	EMBOCADURA Y TAPADO DE SONDEO i/ ARQUETA IDENTIFICADA CON LA DENOMINACIÓN DEL PUNTO, TOTALMENTE TERMINADA.	
			CUARENTA Y OCHO EUROS	48,00 €
60	306.0200	ud	TOMA DE MUESTRAS DE LAS AGUAS, EN SONDEO, DESTINADAS AL ANÁLISIS QUÍMICO.	
			DIECINUEVE EUROS CON NOVENTA CÉNTIMOS	19,90 €
61	306.0210	ud	CAJA PORTATESTIGOS DE CARTÓN PARAFINADO i/ TRANSPORTE A ALMACÉN DESIGNADO, ROTULACIÓN Y FOTOGRAFÍA EN COLOR.	
			NUEVE EUROS	9,00 €
62	306.0280	ud	ENSAYO DE PENETRACIÓN ESTÁNDAR SPT, A CUALQUIER PROFUNDIDAD Y EN CUALQUIER TIPO DE TERRENO, SEGÚN UNE EN ISO 22476-3.	
			TREINTA Y DOS EUROS CON TREINTA Y OCHO CÉNTIMOS	32,38 €
63	306.0290	m	PENETRACIÓN DINÁMICA TIPO DPL, DPM, DPH Y DPSH, SEGÚN UNE EN ISO 22476-2, Y ENSAYO BORRO, SEGÚN UNE 103809, A CUALQUIER PROFUNDIDAD.	
			VEINTIDOS EUROS	22,00 €
64	306.0320	ud	CALICATA MANUAL O MECÁNICA, INCLUSO FOTOGRAFÍAS EN COLOR Y REPOSICIÓN, i/ TESTIFICACIÓN ‘ ‘ IN SITU ‘ ‘ A CARGO DE TÉCNICO EXPERTO.	
			CIENTO CATORCE EUROS CON SETENTA Y CINCO CÉNTIMOS	114,75 €

CUADRO DE PRECIOS 1

Página 11

Partida	Código	Tipo	Descripción	Precio
65	306.0330	ud	TOMA DE MUESTRA EN SACO EN CALICATA, CANTERA O ZONA CANTERABLE, ACOPIO U OTROS PUNTOS, DE MENOS DE 30 kg.	
			NUEVE EUROS	9,00 €
66	306.0430	ud	ENSAYO PRESIOMÉTRICO, CON CICLO INTERMEDIO DE CARGA-DESCARGA, BAJO DIRECCIÓN ‘ ‘IN SITU’ ’ DE TÉCNICO EXPERTO i/ P.P. DE INFORME DE INTERPRETACIÓN.	
			TRESCIENTOS EUROS	300,00 €
67	306.0550	ud	APERTURA Y PREPARACIÓN DE MUESTRAS DE ROCA, CUANDO UNA MISMA MUESTRA DEBA SERVIR PARA LA REALIZACIÓN DE MÁS DE UN ENSAYO. APLICABLE UNA SOLA VEZ POR MUESTRA.	
			SIETE EUROS	7,00 €
68	306.0560	ud	ANÁLISIS GRANULOMÉTRICO DE SUELOS POR TAMIZADO, UNE 103101.	
			CUARENTA Y UN EUROS CON TREINTA Y SEIS CÉNTIMOS	41,36 €
69	306.0580	ud	DETERMINACIÓN DE LOS LÍMITES LÍQUIDO Y PLÁSTICO DE UN SUELO (LÍMITES DE ATTERBERG), UNE 103103 Y UNE 103104.	
			CUARENTA EUROS CON CINCO CÉNTIMOS	40,05 €
70	306.0680	ud	DETERMINACIÓN DEL CONTENIDO DE MATERIA ORGÁNICA OXIDABLE DE UN SUELO POR EL MÉTODO DEL PERMANGANATO POTÁSICO, UNE 103204.	
			DIECINUEVE EUROS	19,00 €
71	306.0690	ud	DETERMINACIÓN DEL CONTENIDO DE SALES SOLUBLES EN LOS SUELOS, UNE 103205.	
			CUARENTA Y OCHO EUROS CON DOS CÉNTIMOS	48,02 €
72	306.0700	ud	DETERMINACIÓN DEL CONTENIDO DE YESOS EN LOS SUELOS, UNE 103206.	
			VEINTISIETE EUROS	27,00 €
73	306.0730	ud	ENSAYO DE COMPACTACIÓN PRÓCTOR NORMAL, UNE 103500.	
			CINCUENTA Y OCHO EUROS CON NUEVE CÉNTIMOS	58,09 €
74	306.0770	ud	ENSAYO PARA DETERMINAR EN LABORATORIO EL ÍNDICE C.B.R. DE UN SUELO PARA LA SOBRECARGA DE 4,5 kg DEFINIDA EN LA NORMA, UNE 103502.	
			CIENTO VEINTICUATRO EUROS CON DIECIOCHO CÉNTIMOS	124,18 €

CUADRO DE PRECIOS 1

Página 12

Partida	Código	Tipo	Descripción	Precio
75	320.0010	m3	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O ACOPIO DENTRO DE LA OBRA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS Y PAGO DE LOS CANONES DE OCUPACIÓN.	
			UN EURO CON NOVENTA Y OCHO CÉNTIMOS	1,98 €
76	320.0020	m3	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.	
			UN EURO CON NOVENTA Y CINCO CÉNTIMOS	1,95 €
77	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			SEIS EUROS CON SESENTA Y TRES CÉNTIMOS	6,63 €
78	321.N030	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, PARA UNA ANCHURA MENOR DE 6 m Y UNA PROFUNDIDAD DE HASTA 10 m, Y POZOS QUE TENGAN UNA PROFUNDIDAD HASTA 3 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			NUEVE EUROS CON OCHENTA Y SIETE CÉNTIMOS	9,87 €
79	330.0020	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.	
			(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).	
			UN EURO CON NUEVE CÉNTIMOS	1,09 €

CUADRO DE PRECIOS 1

Página 13

Partida	Código	Tipo	Descripción	Precio
80	330.0050	m3	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE LA SUPERFICIE.	
			SEIS EUROS CON SESENTA Y SIETE CÉNTIMOS	6,67 €
81	330.0060	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD.	
			CERO EUROS CON CINCUENTA Y UN CÉNTIMOS	0,51 €
82	331.0010	m3	PEDRAPLÉN CON MATERIALES PROCEDENTES DE CANTERA, EXTENDIDO, HUMECTADO, NIVELADO Y COMPACTADO, INCLUSO P.P. DE SOBREANCHOS S/PG-3, COMPLETAMENTE TERMINADO i/ MATERIAL, CANON DE PRÉSTAMO Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE CORONACIÓN Y REFINO DE TALUDES.	
			SIETE EUROS CON TREINTA CÉNTIMOS	7,30 €
83	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			DIECISIETE EUROS CON TREINTA Y DOS CÉNTIMOS	17,32 €
84	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			TRES EUROS CON VEINTISEIS CÉNTIMOS	3,26 €
85	332.0050	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			SIETE EUROS CON DOS CÉNTIMOS	7,02 €

CUADRO DE PRECIOS 1

Página 14

Partida	Código	Tipo	Descripción	Precio
86	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			DIEZ EUROS CON NOVENTA Y CUATRO CÉNTIMOS	10,94 €
87	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	
			VEINTIUN EUROS CON OCHO CÉNTIMOS	21,08 €
88	332.N070	m³	RELLENO CON MATERIAL IMPERMEABLE PROCEDENTE DE CANTERA O PRÉSTAMO, INCLUSO SUMINISTRO, NIVELACIÓN Y COMPACTACIÓN, TOTALMENTE TERMINADO	
			TRES EUROS CON CUARENTA Y TRES CÉNTIMOS	3,43 €
89	333.N010	m³	SUELO ADECUADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	
			UN EURO CON OCHO CÉNTIMOS	1,08 €
90	333.N020	m³	SUELO SELECCIONADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	
			UN EURO CON OCHO CÉNTIMOS	1,08 €
91	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	
			OCHENTA Y NUEVE EUROS CON DIEZ CÉNTIMOS	89,10 €
92	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ‘ ‘IN SITU’ ‘ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	
			CIENTO NOVENTA Y CUATRO EUROS CON CINCO CÉNTIMOS	194,05 €
93	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ‘ ‘IN SITU’ ‘ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	

CUADRO DE PRECIOS 1

Página 15

Partida	Código	Tipo	Descripción	Precio
94	410.N001	ud	DOSCIENTOS QUINCE EUROS CON NOVENTA Y NUEVE CÉNTIMOS	215,99 €
			CONSTRUCCION DE POZO DE REGISTRO PREFABRICADO HASTA UNA PROFUNDIDAD H MENOR DE 3 M PARA RED DE DRENAJE, INCLUSO EXCAVACIÓN, HORMIGÓN DE LIMPIEZA Y COLOCACIÓN. INCLUIDO MARCO Y TAPA DE REGISTRO Ø 80 CM DE FUNDICION GRIS GRAFITO ESFEROIDAL DUCTIL. TOTALMENTE COLOCADA Y LOSA DE HORMIGÓN ARMADO EN POZOS PREFABRICADOS, PARA SUJECCIÓN DE TAPAS DE REGISTRO, SEGÚN PLANOS. TOTALMENTE TERMINADO	
			CUATROCIENTOS NOVENTA Y CINCO EUROS	495,00 €
95	413.0010	m	CAZ DE HORMIGÓN PREFABRICADO i/ SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN, AGOTAMIENTO Y ENTIBACIÓN, SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SOBRANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DEL LECHO DE ASIENTO Y PERFILADO.	
			CUARENTA Y SEIS EUROS CON SETENTA Y SIETE CÉNTIMOS	46,77 €
96	414.0030	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 400 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			CINCUENTA Y TRES EUROS CON CINCUENTA Y OCHO CÉNTIMOS	53,58 €
97	414.0050	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 500 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			SESENTA Y SEIS EUROS CON CINCO CÉNTIMOS	66,05 €
98	414.0080	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 600 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			SETENTA Y OCHO EUROS CON TRES CÉNTIMOS	78,03 €
99	414.0110	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 800 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			CIENTO QUINCE EUROS CON DOS CÉNTIMOS	115,02 €

CUADRO DE PRECIOS 1

Página 16

Partida	Código	Tipo	Descripción	Precio
100	414.0130	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			CIENTO CUARENTA Y CUATRO EUROS CON TREINTA Y NUEVE CÉNTIMOS	144,39 €
101	414.0140	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			CIENTO CINCUENTA EUROS CON VEINTIOCHO CÉNTIMOS	150,28 €
102	414.0160	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			CIENTO NOVENTA Y TRES EUROS CON VEINTICUATRO CÉNTIMOS	193,24 €
103	414.0190	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			DOSCIENTOS CINCUENTA Y TRES EUROS CON VEINTIUN CÉNTIMOS	253,21 €
104	414.0220	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			TRESCIENTOS CINCUENTA Y CINCO EUROS CON DOS CÉNTIMOS	355,02 €
105	414.N280	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 2200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			QUINIENTOS CINCO EUROS CON CUARENTA CÉNTIMOS	505,40 €
106	415.N002	m	SUMINISTRO Y COLOCACIÓN DE BORDILLO MONTABLE TIPO CLÁSICO DE DIMENSIONES 15X20 CMS	
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	12,55 €
107	416.N001	ud	BADÉN SENCILLO DE 5 METROS EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 20 CM DE ESPESOR, SEGÚN PLANOS, TOTALMENTE COLOCADO.	

CUADRO DE PRECIOS 1

Página 17

Partida	Código	Tipo	Descripción	Precio
			NOVECIENTOS EUROS	900,00 €
108	416.N002	ud	BADÉN EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 30 CM DE ESPESOR Y 2 TUBOS DE Ø 500 MM, SEGÚN PLANOS, TOTALMENTE COLOCADO.	
			TRES MIL DOSCIENTOS CUARENTA EUROS	3.240,00 €
109	417.0020	m	TUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.	
			DIEZ EUROS CON VEINTINUEVE CÉNTIMOS	10,29 €
110	417.N001	ud	CLAPETA DE DESCARGA Y RETENCION Ø 1200 MM DE ACERO INOXIDABLE AISI-316, HERMETIZACION DE GOMA SINTETICA A BASE DE CLOROBUTADIENO, INCLUIDO ACCESORIOS, MONTAJE Y PRUEBAS	
			SEIS MIL OCHENTA Y CINCO EUROS	6.085,00 €
111	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	
			SESENTA Y DOS EUROS	62,00 €
112	423.N001	m	HINCA DE TUBERÍA DE HORMIGÓN ARMADO Ø 2200 MM, EN CUALQUIER TIPO DE TERRENO Y POR CUALQUIER PROCEDIMIENTO CONSTRUCTIVO, INCLUSO DESPLAZAMIENTO DE MAQUINARIA A OBRA, POZOS DE ATAQUE Y SALIDA, TUBERÍA, EXCAVACIÓN, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO DE TUBOS, DISPOSICIÓN Y EMPUJE, AGOTAMIENTO Y SELLADO DE JUNTAS	
			DOS MIL TRESCIENTOS CUARENTA EUROS	2.340,00 €
113	423.N002	m	HINCA DE CAJÓN DE DIMENSIONES INFERIORES A 4X3 M, EN CUALQUIER TIPO DE TERRENO INCLUSO EMPUJE Y COLOCACIÓN DEL MARCO I HORMIGÓN HM-20 PARA APOYO Y NIVELACIÓN DEL MISMO	
			TRES MIL CUATROCIENTOS CINCUENTA EUROS	3.450,00 €
114	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO	
			TRECE EUROS CON VEINTICINCO CÉNTIMOS	13,25 €

CUADRO DE PRECIOS 1

Página 18

Partida	Código	Tipo	Descripción	Precio
115	430.0030	m	BAJANTE PREFABRICADA DE HORMIGÓN DE 0,50 m DE ANCHO INTERIOR i/ SUMINISTRO, TRANSPORTE, EXCAVACIÓN, PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, REJUNTADO CON HORMIGÓN O MORTERO Y P.P. DE EMBOCADURAS Y REMATES.	
			TREINTA Y TRES EUROS CON OCHENTA Y SEIS CÉNTIMOS	33,86 €
116	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
			DIECIOCHO EUROS CON DIECINUEVE CÉNTIMOS	18,19 €
117	512.0010	m3	SUELO ESTABILIZADO ´ ´IN SITU´ ´ CON CEMENTO O CAL, TIPO S-EST1 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			TRES EUROS CON SETENTA CÉNTIMOS	3,70 €
118	512.0020	m3	SUELO ESTABILIZADO ´ ´IN SITU´ ´ CON CEMENTO O CAL, TIPO S-EST2 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			TRES EUROS CON SETENTA CÉNTIMOS	3,70 €
119	512.0030	m3	SUELO ESTABILIZADO ´ ´IN SITU´ ´ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
			TRES EUROS CON OCHENTA Y UN CÉNTIMOS	3,81 €
120	512.0050	m3	SUELO ESTABILIZADO ´ ´IN SITU´ ´ CON CEMENTO O CAL, TIPO S-EST2, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
			OCHO EUROS CON DOS CÉNTIMOS	8,02 €
121	512.0060	m3	SUELO ESTABILIZADO ´ ´IN SITU´ ´ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
			OCHO EUROS CON VEINTISEIS CÉNTIMOS	8,26 €

CUADRO DE PRECIOS 1

Página 19

Partida	Código	Tipo	Descripción	Precio
122	513.0010	m3	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO.	
			VEINTIUN EUROS CON OCHENTA Y UN CÉNTIMOS	21,81 €
123	530.0010	t	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN.	
			TRECE EUROS CON TRES CÉNTIMOS	13,03 €
124	530.0020	t	EMULSIÓN C50BF5 IMP EN RIEGO DE IMPRIMACIÓN, BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			TRESCIENTOS CINCUENTA Y SEIS EUROS CON NOVENTA Y SIETE CÉNTIMOS	356,97 €
125	531.0020	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			TRESCIENTOS SESENTA Y NUEVE EUROS CON SETENTA CÉNTIMOS	369,70 €
126	531.0040	t	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			CUATROCIENTOS CUARENTA Y SIETE EUROS CON CINCUENTA Y NUEVE CÉNTIMOS	447,59 €
127	542.0010	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S (S-12 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	
			VEINTISEIS EUROS CON CINCUENTA CÉNTIMOS	26,50 €
128	542.0020	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 SURF S (S-20 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	
			VEINTISEIS EUROS CON TRECE CÉNTIMOS	26,13 €
129	542.0060	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN D (D-20 INTERMEDIA), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	
			VEINTISEIS EUROS CON CINCUENTA Y UN CÉNTIMOS	26,51 €
130	542.0100	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE G (G-25 BASE), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	
			VEINTISEIS EUROS CON CUARENTA Y SIETE CÉNTIMOS	26,47 €

CUADRO DE PRECIOS 1

Página 20

Partida	Código	Tipo	Descripción	Precio
131	542.0110	t	POLVO MINERAL O CARBONATO (TRICALSA O SIMILAR) EMPLEADO COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	
			CUARENTA Y NUEVE EUROS CON VEINTISIETE CÉNTIMOS	49,27 €
132	543.0020	m2	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B (M-10) EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.	
			UN EURO CON NOVENTA Y TRES CÉNTIMOS	1,93 €
133	555.N001	m²	GEOMALLA DE DE MULTIFILAMENTOS DE POLIÉSTER CON RECUBRIMIENTO BITUMINOSO Y GEOTEXTIL NO TEJIDO ADHERIDO PARA EL REFUERZO DE FIRMES ASFÁLTICOS, CON PESO NO INFERIOR A 270 G/M2, CON RESISTENCIA MÍNIMA A TRACCIÓN DE 50 KN/M, DE ANCHURA MÍNIMA DE 1 M.	
			CUATRO EUROS CON NOVENTA Y CUATRO CÉNTIMOS	4,94 €
134	600.0010	kg	ACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			CERO EUROS CON NOVENTA Y CUATRO CÉNTIMOS	0,94 €
135	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
			UN EURO CON DIECISIETE CÉNTIMOS	1,17 €
136	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
			CINCUENTA Y UN EUROS CON SETENTA Y DOS CÉNTIMOS	51,72 €
137	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	
			SESENTA Y NUEVE EUROS CON NOVENTA Y TRES CÉNTIMOS	69,93 €
138	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			NOVENTA Y DOS EUROS CON CUARENTA Y SIETE CÉNTIMOS	92,47 €

CUADRO DE PRECIOS 1

Página 21

Partida	Código	Tipo	Descripción	Precio
139	610.0070	m3	HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	
			CIEEN EUROS CON OCHENTA Y SIETE CÉNTIMOS	100,87 €
140	630.0010	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS H<=6 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	
			CIENTO TREINTA Y SIETE EUROS CON NOVENTA CÉNTIMOS	137,90 €
141	630.0020	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS 6 m < H <= 12 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	
			CIENTO SESENTA Y CINCO EUROS CON CUARENTA Y SIETE CÉNTIMOS	165,47 €
142	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			TREINTA Y OCHO EUROS CON DIECINUEVE CÉNTIMOS	38,19 €
143	658.0030	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	
			CINCUESTA EUROS CON CINCUENTA Y SEIS CÉNTIMOS	50,56 €
144	678.N810	m²	PANTALLA DE MICROPILOTES DE Ø 250MM	
			CIENTO CINCUENTA Y CINCO EUROS	155,00 €
145	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			VEINTISEIS EUROS CON TREINTA CÉNTIMOS	26,30 €
146	680.0030	m2	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			TREINTA Y UN EUROS CON SETENTA Y SIETE CÉNTIMOS	31,77 €

CUADRO DE PRECIOS 1

Página 22

Partida	Código	Tipo	Descripción	Precio
147	681.0010	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	
			ONCE EUROS CON CATORCE CÉNTIMOS	11,14 €
148	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			SIETE EUROS CON CUARENTA Y UN CÉNTIMOS	7,41 €
149	690.0050	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS...) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.	
			VEINTICINCO EUROS CON SESENTA Y SEIS CÉNTIMOS	25,66 €
150	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	
			DIEZ EUROS CON VEINTIOCHO CÉNTIMOS	10,28 €
151	694.N200	m	JUNTAS DE DILATACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.	
			TREINTA EUROS	30,00 €
152	699.0001	m²	PASO SUPERIOR DE VIGAS PREFABRICADAS TIPO ARTESA	
			OCHOCIENTOS EUROS	800,00 €
153	701.N910	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN TRONCO	
			DOSCIENTOS TREINTA EUROS	230,00 €
154	701.N920	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN RAMALES	
			CIENTO TREINTA EUROS	130,00 €
155	801.N910	ud	PAISAJISMO	
			OCHOCIENTOS TREINTA MIL EUROS	830.000,00 €

CUADRO DE PRECIOS 1

Página 23

Partida	Código	Tipo	Descripción	Precio
156	801.N920	m²	COLOCACIÓN DE PANTALLAS ACÚSTICAS FONOABSORBENTES DOSCIENTOS DIECINUEVE EUROS CON SETENTA Y CINCO CÉNTIMOS	219,75 €
157	901.N010	ud	DESVÍOS PROVISIONALES UN MILLÓN SEISCIENTOS CINCUENTA MIL EUROS	1.650.000,00 €
158	915.0010	m	CERRAMIENTO DE 1,5 M DE ALTURA COMPUESTO POR POSTES METÁLICOS CADA 3 M, ARRIOSTRAMIENTO CADA 30 M Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN i/ PARTE PROPORCIONAL DE CIMIENTOS, TOTALMENTE COLOCADO. EXCEPTO PUERTAS. DIECISIETE EUROS CON CUARENTA Y CUATRO CÉNTIMOS	17,44 €
159	915.0020	ud	PUERTA PARA CERRAMIENTO DE UNA HOJA, TOTALMENTE COLOCADA. DOSCIENTOS CUARENTA Y DOS EUROS CON OCHENTA Y UN CÉNTIMOS	242,81 €
160	931.N001	ud	ESPIRA SIMPLE DETECTORA DE AFOROS DOSCIENTOS VEINTE EUROS	220,00 €
161	931.N002	ud	ESPIRA DOBLE DETECTORA DE AFOROS CUATROCIENTOS CUARENTA EUROS	440,00 €
162	990.N010	ud	IMPREVISTOS CUATRO MILLONES EUROS	4.000.000,00 €
163	990.N020	ud	ESTUDIO DE SEGURIDAD Y SALUD CUATROCIENTOS QUINCE MIL EUROS	415.000,00 €
164	991.N001	PAI	PARTIDA ALZADA DE ABONO ÍNTEGRO PARA LA AUDITORÍA DE SEGURIDAD Y VIAL Y PUESTA EN SERVICIO TREINTA MIL EUROS	30.000,00 €

Valladolid, Septiembre de 2019

EL INGENIERO AUTOR

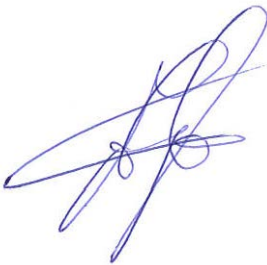
DEL PROYECTO



Fdo. D. Ángel Piedra Sisniega

EL INGENIERO DIRECTOR

DEL PROYECTO



Fdo. D. Agustín M. Corral López

2.2. CUADRO DE PRECIOS N°2

CUADRO DE PRECIOS 2

Página 1

Partida	Código	Tipo	Descripción	Precio
1	1021.N03	m	LÍNEA TELEFÓNICA AÉREA (SUPERIOR A 200 PARES), INCLUSO PARTE PROPORCIONAL DE APOYOS, FIJACIONES Y ANCLAJES, PRUEBAS Y ENSAYOS, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA	
			Sin descomposición	
			TREINTA Y TRES EUROS CON TREINTA Y CUATRO CÉNTIMOS	TOTAL 33,34 €
2	1022.N06	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA TELEFÓNICA (SUPERIOR A 1200 PARES), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			Sin descomposición	
			CINCUENTA Y SIETE EUROS CON NOVENTA Y OCHO CÉNTIMOS	TOTAL 57,98 €
3	1024.N01	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (INFERIOR A 16 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADA	
			Sin descomposición	
			DIECIOCHO EUROS CON CINCUENTA CÉNTIMOS	TOTAL 18,50 €
4	1024.N03	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (24-48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			Sin descomposición	
			TREINTA Y UN EUROS CON CUARENTA Y CINCO CÉNTIMOS	TOTAL 31,45 €
5	1024.N04	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (SUPERIOR A 48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	
			Sin descomposición	
			CUARENTA Y UN EUROS CON OCHENTA Y SEIS CÉNTIMOS	TOTAL 41,86 €

CUADRO DE PRECIOS 2

Página 2

Partida	Código	Tipo	Descripción	Precio
6	1025.N11	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
			VEINTINUEVE EUROS CON VEINTICUATRO CÉNTIMOS	TOTAL 29,24 €
7	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
			CUARENTA Y DOS EUROS CON DIECINUEVE CÉNTIMOS	TOTAL 42,19 €
8	1026.N11	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPAC	
			Sin descomposición	
			TREINTA Y TRES EUROS CON CINCUENTA Y CINCO CÉNTIMOS	TOTAL 33,55 €
9	1026.N13	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
			CUARENTA Y SIETE EUROS CON SESENTA Y UN CÉNTIMOS	TOTAL 47,61 €

CUADRO DE PRECIOS 2

Página 3

Partida	Código	Tipo	Descripción	Precio
10	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA	
			Sin descomposición	
			OCHO EUROS CON CINCUENTA Y SIETE CÉNTIMOS	TOTAL 8,57 €
11	1039.N10	M	REPOSICIÓN DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD DE DN= 200 MM PARA PN= 6 ATM PARA ABASTECIMIENTO, INCLUSO PARTE PROPORCIONAL DE UNIONES, PIEZAS ESPECIALES Y CONEXIONES, DESMONTAJE DE TUBERÍA EXISTENTE, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
			CUARENTA Y OCHO EUROS CON NOVENTA Y CINCO CÉNTIMOS	TOTAL 48,95 €
12	1042.N12	m	REPOSICIÓN DE CONDUCCIÓN DE GASEODUCTO DE 6 PULGADAS DE ACERO PARA ALTA PRESIÓN A, INCLUSO EXCAVACIÓN, COMPACTACIÓN Y RELLENO, ARQUETAS, UNIONES, ELEMENTOS MECÁNICOS, PRUEBAS DE FUNCIONAMIENTO, TRAMITACIÓN, LEGALIZACIÓN, DIRECCIÓN DE OBRA Y TODAS LAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			Sin descomposición	
			SEISCIENTOS OCHENTA Y SEIS EUROS CON VEINTISIETE CÉNTIMOS	TOTAL 686,27 €
13	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			Sin descomposición	
			TREINTA EUROS	TOTAL 30,00 €

CUADRO DE PRECIOS 2

Página 4

Partida	Código	Tipo	Descripción	Precio
14	1062.N01	m	LINEA ELECTRICA AEREA DE MEDIA TENSION DE 12 KV (1 CIRCUITO), INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	
			Sin descomposición	
			CIENTO CINCO EUROS CON OCHENTA Y SEIS CÉNTIMOS	TOTAL 105,86 €
15	1063.N01	m	LINEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	
			Sin descomposición	
			DOSCIENTOS CINCUENTA Y DOS EUROS CON SESENTA Y DOS CÉNTIMOS	TOTAL 252,62 €
16	1064.N01	m	DESMONTAJE DE INSTALACIÓN AÉREA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			Sin descomposición	
			CUATRO EUROS CON VEINTISEIS CÉNTIMOS	TOTAL 4,26 €
17	1064.N02	m	DESMONTAJE DE INSTALACIÓN AÉREA DE MEDIA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			Sin descomposición	
			QUINCE EUROS CON CINCUENTA Y TRES CÉNTIMOS	TOTAL 15,53 €
18	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			Sin descomposición	
			VEINTE EUROS CON OCHENTA Y SIETE CÉNTIMOS	TOTAL 20,87 €

CUADRO DE PRECIOS 2

Página 5

Partida	Código	Tipo	Descripción	Precio
19	1066.N03	Nº	TORRE METÁLICA CELOSIA HASTA C-2000/20. INCLUYE SUMINISTRO, IZADO, ARMADO, AMARRES, PUESTA A TIERRA, OBRA CIVIL DE INSTALACIÓN, TOMA DE TIERRA, ASÍ COMO PARTE PROPORCIONAL DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA DE LA INSTALACIÓN	
			Sin descomposición	
				TOTAL
			CUATRO MIL QUINIENTOS SESENTA Y UN EUROS CON OCHENTA Y UN CÉNTIMOS	4.561,81 €
20	1067.N08	m	CANALIZACIÓN PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y P	
			Sin descomposición	
				TOTAL
			CUARENTA Y SEIS EUROS CON DIECISIETE CÉNTIMOS	46,17 €
21	1068.N04	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 6 CONDUCTOS DE PE DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
				TOTAL
			NOVENTA Y TRES EUROS CON NOVENTA Y DOS CÉNTIMOS	93,92 €
22	1068.N08	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	
			Sin descomposición	
				TOTAL
			CINCUENTA Y UN EUROS CON CINCUENTA Y CINCO CÉNTIMOS	51,55 €

CUADRO DE PRECIOS 2

Página 6

Partida	Código	Tipo	Descripción	Precio
23	1069.N01	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE 0,6/1 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			Sin descomposición	
				TOTAL
			VEINTISIETE EUROS CON TREINTA Y SIETE CÉNTIMOS	27,37 €
24	1069.N02	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE MEDIA TENSIÓN (12 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 12/20 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			Sin descomposición	
				TOTAL
			SESENTA Y SIETE EUROS CON DIECISEIS CÉNTIMOS	67,16 €
25	1069.N04	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 33/66 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	
			Sin descomposición	
				TOTAL
			DOSCIENTOS SETENTA Y NUEVE EUROS CON VEINTICINCO CÉNTIMOS	279,25 €
26	1070.N01	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			Sin descomposición	
				TOTAL
			ONCE EUROS CON DIECINUEVE CÉNTIMOS	11,19 €
27	1070.N03	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE ALTA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	
			Sin descomposición	

CUADRO DE PRECIOS 2

Página 7

Partida	Código	Tipo	Descripción	Precio
VEINTISEIS EUROS CON NOVENTA Y NUEVE CÉNTIMOS				TOTAL 26,99 €
28	1073.N07	Nº	CENTRO DE TRANSFORMACION A LA INTEMPERIE CON POTENCIA NOMINAL DE 100 KVA Y APARAMENTA EN EL MISMO APOYO, INCLUSO APOYO Y ESTRUCTURA DE SOPORTE, TRANSFORMADOR DE INTEMPERIE, EQUIPOS DE SEGURIDAD Y PROTECCIÓN, RED DE TIERRA, TERMINALES Y CABLEADO, INDICADORES DE TENSION, SEÑALIZACIÓN DE PELIGRO Y PRIMEROS AUXILIOS, ELEMENTOS ACCESORIOS, MONTAJE Y CONEXIONADO, PRUEBAS Y ENSAYOS, ASÍ COMO P.P. DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA. TOTALMENTE TERMINADO Y EN FUNCIONAMIENTO	
Sin descomposición				
NUEVE MIL SEISCIENTOS EUROS				TOTAL 9.600,00 €
29	1073.N21	ud	TRASLADO DE CENTRO DE TRANSFORMACIÓN A LA INTEMPERIE SOBRE POSTES DE HASTA 250 KVA	
Sin descomposición				
ONCE MIL QUINIENTOS EUROS				TOTAL 11.500,00 €
30	1074.N01	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X6 MM2	
Sin descomposición				
UN EURO CON OCHENTA Y DOS CÉNTIMOS				TOTAL 1,82 €
31	1074.N02	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X6 MM2	
Sin descomposición				
TRES EUROS CON SETENTA Y SIETE CÉNTIMOS				TOTAL 3,77 €
32	1074.N03	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X10 MM2	
Sin descomposición				
SEIS EUROS CON SETENTA Y CINCO CÉNTIMOS				TOTAL 6,75 €
33	1074.N04	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X25 MM2	
Sin descomposición				
NUEVE EUROS CON SETENTA Y CINCO CÉNTIMOS				TOTAL 9,75 €
34	1074.N05	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X35 MM2	

CUADRO DE PRECIOS 2

Página 8

Partida	Código	Tipo	Descripción	Precio
Sin descomposición				
ONCE EUROS CON VEINTITRES CÉNTIMOS				TOTAL 11,23 €
35	1075.N01	ud	REUBICACIÓN DE CÁMARA TV INSTALADA SOBRE BÁCULO DE 12 M. DE ALTURA, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.	
Sin descomposición				
TRESCIENTOS QUINCE EUROS				TOTAL 315,00 €
36	1075.N06	ud	REUBICACIÓN DE ARMARIO DE ACOMETIDAS Y PROTECCIONES, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.	
Sin descomposición				
MIL EUROS				TOTAL 1.000,00 €
37	1080.N01	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø500 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	
Sin descomposición				
NOVECIENTOS TREINTA Y CINCO EUROS				TOTAL 935,00 €
38	1080.N02	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø400 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	
Sin descomposición				
OCHOCIENTOS VEINTIUN EUROS CON CUARENTA CÉNTIMOS				TOTAL 821,40 €

CUADRO DE PRECIOS 2

Página 9

Partida	Código	Tipo	Descripción	Precio
39	1090.N01	PAJ	PARTIDA ALZADA A JUSTIFICAR MEDIANTE FACTURA DESTINADA A REPOSICIÓN DE ESTACIÓN DE BOMBEO EXISTENTE CON TODOS LOS ELEMENTOS ASOCIADOS AL MISMO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN INSTALACIONES EXISTENTES, DESMONTAJE DE ELEMENTOS EXISTENTES ASOCIADOS AL BOMBEO Y A LA INSTALACIÓN DE TELECONTROL, EJECUCIÓN DE EXCAVACIÓN, CAMAS DE ASIENTO, CIMENTACIONES, ARMADURAS, HORMIGONADOS, RELLENOS Y COMPACTACIÓN Y CERRAMIENTOS, ADEMÁS DE NUEVA INSTALACIÓN DE BOMBEO, INCLUSO BOMBAS, CUADROS DE MANIOBRA Y PROTECCIÓN, PIEZAS ESPECIALES, UNIONES Y CONEXIONES, Y EJECUCIÓN DE NUEVA INSTALACIÓN DE TELECONTROL POR RADIO, INCLUYENDO COLOCACIÓN Y PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	
			Sin descomposición	
				TOTAL 90.000,00 € <i>NOVENTA MIL EUROS</i>
40	202.0020	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	
			Mano de obra	0,00 €
			Materiales	67,15 €
			Maquinaria	0,00 €
			Suma	67,15 €
			Costes indirectos	4,03 €
				TOTAL 71,18 € <i>SETENTA Y UN EUROS CON DIECIOCHO CÉNTIMOS</i>
41	211.0040	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	
			Mano de obra	0,00 €
			Materiales	452,83 €
			Maquinaria	0,00 €
			Suma	452,83 €
			Costes indirectos	27,17 €
				TOTAL 480,00 € <i>CUATROCIENTOS OCHENTA EUROS</i>
42	211.0050	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	
			Mano de obra	0,00 €
			Materiales	452,83 €
			Maquinaria	0,00 €
			Suma	452,83 €

CUADRO DE PRECIOS 2

Página 10

Partida	Código	Tipo	Descripción	Precio
			Costes indirectos	27,17 €
				TOTAL 480,00 € <i>CUATROCIENTOS OCHENTA EUROS</i>
43	215.0030	t	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.	
			Mano de obra	0,00 €
			Materiales	509,43 €
			Maquinaria	0,00 €
			Suma	509,43 €
			Costes indirectos	30,57 €
				TOTAL 540,00 € <i>QUINIENTOS CUARENTA EUROS</i>
44	290.0030	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 3 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO SEPARADOR, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DE MÁS DE 18,5 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DE MÁS DE 17,7 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DE MÁS DE 60%, ELONGACIÓN TRANSVERSAL EN ROTURA DE MÁS DEL 60%, PUNZONAMIENTO ESTÁTICO (CBR) DE MÁS DE 3020 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DE MENOS DE 13 mm Y PERMEABILIDAD AL AGUA DE MÁS DE 7,3 10-6/m²/s.	
			Mano de obra	3,30 €
			Materiales	1,40 €
			Maquinaria	0,00 €
			Suma	4,70 €
			Costes indirectos	0,28 €
				TOTAL 4,98 € <i>CUATRO EUROS CON NOVENTA Y OCHO CÉNTIMOS</i>
45	290.0050	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	
			Mano de obra	2,65 €
			Materiales	0,69 €
			Maquinaria	0,00 €
			Suma	3,34 €
			Costes indirectos	0,20 €
				TOTAL 3,54 € <i>TRES EUROS CON CINCUENTA Y CUATRO CÉNTIMOS</i>

CUADRO DE PRECIOS 2

Página 11

Partida	Código	Tipo	Descripción	Precio
46	300.0010	m2	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			Mano de obra	0,02 €
			Materiales	0,00 €
			Maquinaria	0,53 €
			Suma	0,55 €
			Costes indirectos	0,03 €
			TOTAL	0,58 €
			CERO EUROS CON CINCUENTA Y OCHO CÉNTIMOS	
47	301.0010	m3	DEMOLICIÓN DE VOLUMEN APARENTE DE EDIFICACIÓN EXISTENTE i/ DEMOLICIÓN DE LA CIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			Mano de obra	1,15 €
			Materiales	0,00 €
			Maquinaria	7,29 €
			Suma	8,44 €
			Costes indirectos	0,51 €
			TOTAL	8,95 €
			OCHO EUROS CON NOVENTA Y CINCO CÉNTIMOS	
48	301.0020	m3	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			Mano de obra	3,85 €
			Materiales	0,00 €
			Maquinaria	26,75 €
			Suma	30,60 €
			Costes indirectos	1,84 €
			TOTAL	32,44 €
			TREINTA Y DOS EUROS CON CUARENTA Y CUATRO CÉNTIMOS	
49	301.0040	m2	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR i/ BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DEMOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			Mano de obra	0,21 €
			Materiales	0,00 €
			Maquinaria	3,42 €
			Suma	3,63 €
			Costes indirectos	0,22 €

CUADRO DE PRECIOS 2

Página 12

Partida	Código	Tipo	Descripción	Precio
			TRES EUROS CON OCHENTA Y CINCO CÉNTIMOS	TOTAL 3,85 €
50	301.0140	m²c	FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE i/ CARGA, BARRIDO, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO Y/O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	
			Mano de obra	0,04 €
			Materiales	0,00 €
			Maquinaria	0,44 €
			Suma	0,48 €
			Costes indirectos	0,03 €
			TOTAL	0,51 €
			CERO EUROS CON CINCUENTA Y UN CÉNTIMOS	
51	301.N210	ud	DESMONTAJE Y POSTERIOR TRASLADO A ALMACEN DE PORTICO DE SEÑALIZACION	
			Sin descomposición	
			NUEVE MIL OCHOCIENTOS EUROS	TOTAL 9.800,00 €
52	306.0020	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DE LOS EQUIPOS DE SONDEO, i/ PRIMER EMPLAZAMIENTO Y TÉCNICO AUXILIAR.	
			Mano de obra	0,00 €
			Materiales	600,47 €
			Maquinaria	0,00 €
			Suma	600,47 €
			Costes indirectos	36,03 €
			TOTAL	636,50 €
			SEISCIENTOS TREINTA Y SEIS EUROS CON CINCUENTA CÉNTIMOS	
53	306.0030	ud	TRASLADO DE SONDA ENTRE PUNTOS A RECONOCER, INCLUSO EMPLAZAMIENTO (UNO MENOS QUE EL N° TOTAL DE PUNTOS).	
			Mano de obra	0,00 €
			Materiales	18,87 €
			Maquinaria	0,00 €
			Suma	18,87 €
			Costes indirectos	1,13 €
			TOTAL	20,00 €
			VEINTE EUROS	
54	306.0040	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DEL CONJUNTO DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESÍÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, O CUALQUIER OTRO EQUIPO ANÁLOGO.	

CUADRO DE PRECIOS 2

Página 13

Partida	Código	Tipo	Descripción	Precio
			Mano de obra	0,00 €
			Materiales	331,15 €
			Maquinaria	0,00 €
			Suma	331,15 €
			Costes indirectos	19,87 €
			TOTAL	351,02 €
			TRESCIENTOS CINCUENTA Y UN EUROS CON DOS CÉNTIMOS	
55	306.0050	ud	TRASLADO ENTRE PUNTOS A RECONOCER DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, ETC.	
			Mano de obra	0,00 €
			Materiales	5,66 €
			Maquinaria	0,00 €
			Suma	5,66 €
			Costes indirectos	0,34 €
			TOTAL	6,00 €
			SEIS EUROS	
56	306.0150	ud	TOMA DE MUESTRA INALTERADA CON TOMAMUESTRAS DE TIPO ABIERTO, A CUALQUIER PROFUNDIDAD.	
			Mano de obra	0,00 €
			Materiales	28,30 €
			Maquinaria	0,00 €
			Suma	28,30 €
			Costes indirectos	1,70 €
			TOTAL	30,00 €
			TREINTA EUROS	
57	306.0170	ud	TESTIGO PARAFINADO DE LONGITUD L > 35 cm DE Y Ø > 70 mm, A CUALQUIER PROFUNDIDAD.	
			Mano de obra	0,00 €
			Materiales	14,15 €
			Maquinaria	0,00 €
			Suma	14,15 €
			Costes indirectos	0,85 €
			TOTAL	15,00 €
			QUINCE EUROS	
58	306.0180	m	TUBO RANURADO DE PVC, DE DIÁMETRO Ø > 60 mm, COLOCADO EN EL INTERIOR DE SONDEO.	
			Mano de obra	0,00 €
			Materiales	7,90 €
			Maquinaria	0,00 €
			Suma	7,90 €
			Costes indirectos	1,83 €
			TOTAL	32,38 €
			TREINTA Y DOS EUROS CON TREINTA Y OCHO CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 14

Partida	Código	Tipo	Descripción	Precio
			Suma	7,90 €
			Costes indirectos	0,47 €
			TOTAL	8,37 €
			OCHO EUROS CON TREINTA Y SIETE CÉNTIMOS	
59	306.0190	ud	EMBOCADURA Y TAPADO DE SONDEO i/ ARQUETA IDENTIFICADA CON LA DENOMINACIÓN DEL PUNTO, TOTALMENTE TERMINADA.	
			Mano de obra	0,00 €
			Materiales	45,28 €
			Maquinaria	0,00 €
			Suma	45,28 €
			Costes indirectos	2,72 €
			TOTAL	48,00 €
			CUARENTA Y OCHO EUROS	
60	306.0200	ud	TOMA DE MUESTRAS DE LAS AGUAS, EN SONDEO, DESTINADAS AL ANÁLISIS QUÍMICO.	
			Mano de obra	0,00 €
			Materiales	18,77 €
			Maquinaria	0,00 €
			Suma	18,77 €
			Costes indirectos	1,13 €
			TOTAL	19,90 €
			DIECINUEVE EUROS CON NOVENTA CÉNTIMOS	
61	306.0210	ud	CAJA PORTATESTIGOS DE CARTÓN PARAFINADO i/ TRANSPORTE A ALMACÉN DESIGNADO, ROTULACIÓN Y FOTOGRAFÍA EN COLOR.	
			Mano de obra	0,00 €
			Materiales	8,49 €
			Maquinaria	0,00 €
			Suma	8,49 €
			Costes indirectos	0,51 €
			TOTAL	9,00 €
			NUEVE EUROS	
62	306.0280	ud	ENSAYO DE PENETRACIÓN ESTÁNDAR SPT, A CUALQUIER PROFUNDIDAD Y EN CUALQUIER TIPO DE TERRENO, SEGÚN UNE EN ISO 22476-3.	
			Mano de obra	0,00 €
			Materiales	30,55 €
			Maquinaria	0,00 €
			Suma	30,55 €
			Costes indirectos	1,83 €
			TOTAL	32,38 €
			TREINTA Y DOS EUROS CON TREINTA Y OCHO CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 15

Partida	Código	Tipo	Descripción	Precio
63	306.0290	m	PENETRACIÓN DINÁMICA TIPO DPL, DPM, DPH Y DPSH, SEGÚN UNE EN ISO 22476-2, Y ENSAYO BORRO, SEGÚN UNE 103809, A CUALQUIER PROFUNDIDAD.	
			Mano de obra	0,00 €
			Materiales	20,75 €
			Maquinaria	0,00 €
			Suma	20,75 €
			Costes indirectos	1,24 €
			TOTAL	22,00 €
			VEINTIDOS EUROS	
64	306.0320	ud	CALICATA MANUAL O MECÁNICA, INCLUSO FOTOGRAFÍAS EN COLOR Y REPOSICIÓN, i/ TESTIFICACIÓN ‘ ‘IN SITU’ ’ A CARGO DE TÉCNICO EXPERTO.	
			Mano de obra	0,00 €
			Materiales	108,25 €
			Maquinaria	0,00 €
			Suma	108,25 €
			Costes indirectos	6,50 €
			TOTAL	114,75 €
			CIENTO CATORCE EUROS CON SETENTA Y CINCO CÉNTIMOS	
65	306.0330	ud	TOMA DE MUESTRA EN SACO EN CALICATA, CANTERA O ZONA CANTERABLE, ACOPIO U OTROS PUNTOS, DE MENOS DE 30 kg.	
			Mano de obra	0,00 €
			Materiales	8,49 €
			Maquinaria	0,00 €
			Suma	8,49 €
			Costes indirectos	0,51 €
			TOTAL	9,00 €
			NUEVE EUROS	
66	306.0430	ud	ENSAYO PRESIOMÉTRICO, CON CICLO INTERMEDIO DE CARGA-DESCARGA, BAJO DIRECCIÓN ‘ ‘IN SITU’ ’ DE TÉCNICO EXPERTO i/ P.P. DE INFORME DE INTERPRETACIÓN.	
			Mano de obra	0,00 €
			Materiales	283,02 €
			Maquinaria	0,00 €
			Suma	283,02 €
			Costes indirectos	16,98 €
			TOTAL	300,00 €
			TRESCIENTOS EUROS	
67	306.0550	ud	APERTURA Y PREPARACIÓN DE MUESTRAS DE ROCA, CUANDO UNA MISMA MUESTRA DEBA SERVIR PARA LA REALIZACIÓN DE MÁS DE UN ENSAYO. APLICABLE UNA SOLA VEZ POR MUESTRA.	

CUADRO DE PRECIOS 2

Página 16

Partida	Código	Tipo	Descripción	Precio
			Mano de obra	0,00 €
			Materiales	6,60 €
			Maquinaria	0,00 €
			Suma	6,60 €
			Costes indirectos	0,40 €
			TOTAL	7,00 €
			SIETE EUROS	
68	306.0560	ud	ANÁLISIS GRANULOMÉTRICO DE SUELOS POR TAMIZADO, UNE 103101.	
			Mano de obra	0,00 €
			Materiales	39,02 €
			Maquinaria	0,00 €
			Suma	39,02 €
			Costes indirectos	2,34 €
			TOTAL	41,36 €
			CUARENTA Y UN EUROS CON TREINTA Y SEIS CÉNTIMOS	
69	306.0580	ud	DETERMINACIÓN DE LOS LÍMITES LÍQUIDO Y PLÁSTICO DE UN SUELO (LÍMITES DE ATTERBERG), UNE 103103 Y UNE 103104.	
			Mano de obra	0,00 €
			Materiales	37,78 €
			Maquinaria	0,00 €
			Suma	37,78 €
			Costes indirectos	2,27 €
			TOTAL	40,05 €
			CUARENTA EUROS CON CINCO CÉNTIMOS	
70	306.0680	ud	DETERMINACIÓN DEL CONTENIDO DE MATERIA ORGÁNICA OXIDABLE DE UN SUELO POR EL MÉTODO DEL PERMANGANATO POTÁSICO, UNE 103204.	
			Mano de obra	0,00 €
			Materiales	17,92 €
			Maquinaria	0,00 €
			Suma	17,92 €
			Costes indirectos	1,08 €
			TOTAL	19,00 €
			DIECINUEVE EUROS	
71	306.0690	ud	DETERMINACIÓN DEL CONTENIDO DE SALES SOLUBLES EN LOS SUELOS, UNE 103205.	
			Mano de obra	0,00 €
			Materiales	45,30 €
			Maquinaria	0,00 €
			Suma	45,30 €
			Costes indirectos	2,72 €

CUADRO DE PRECIOS 2

Página 17

Partida	Código	Tipo	Descripción	Precio
				TOTAL
			CUARENTA Y OCHO EUROS CON DOS CÉNTIMOS	48,02 €
72	306.0700	ud	DETERMINACIÓN DEL CONTENIDO DE YESOS EN LOS SUELOS, UNE 103206.	
			Mano de obra	0,00 €
			Materiales	25,47 €
			Maquinaria	0,00 €
			Suma	25,47 €
			Costes indirectos	1,53 €
				TOTAL
			VEINTISIETE EUROS	27,00 €
73	306.0730	ud	ENSAYO DE COMPACTACIÓN PRÓCTOR NORMAL, UNE 103500.	
			Mano de obra	0,00 €
			Materiales	54,80 €
			Maquinaria	0,00 €
			Suma	54,80 €
			Costes indirectos	3,29 €
				TOTAL
			CINCUENTA Y OCHO EUROS CON NUEVE CÉNTIMOS	58,09 €
74	306.0770	ud	ENSAYO PARA DETERMINAR EN LABORATORIO EL ÍNDICE C.B.R. DE UN SUELO PARA LA SOBRECARGA DE 4,5 kg DEFINIDA EN LA NORMA, UNE 103502.	
			Mano de obra	0,00 €
			Materiales	117,15 €
			Maquinaria	0,00 €
			Suma	117,15 €
			Costes indirectos	7,03 €
				TOTAL
			CIENTO VEINTICUATRO EUROS CON DIECIOCHO CÉNTIMOS	124,18 €
75	320.0010	m3	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O ACOPIO DENTRO DE LA OBRA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS Y PAGO DE LOS CANONES DE OCUPACIÓN.	
			Mano de obra	0,06 €
			Materiales	0,00 €
			Maquinaria	1,81 €
			Suma	1,87 €
			Costes indirectos	0,11 €
				TOTAL
			UN EURO CON NOVENTA Y OCHO CÉNTIMOS	1,98 €

CUADRO DE PRECIOS 2

Página 18

Partida	Código	Tipo	Descripción	Precio
76	320.0020	m3	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.	
			Mano de obra	0,04 €
			Materiales	0,00 €
			Maquinaria	1,80 €
			Suma	1,84 €
			Costes indirectos	0,11 €
			TOTAL	1,95 €
			UN EURO CON NOVENTA Y CINCO CÉNTIMOS	
77	321.0010	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			Mano de obra	0,32 €
			Materiales	1,64 €
			Maquinaria	4,29 €
			Suma	6,25 €
			Costes indirectos	0,38 €
			TOTAL	6,63 €
			SEIS EUROS CON SESENTA Y TRES CÉNTIMOS	
78	321.N030	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, PARA UNA ANCHURA MENOR DE 6 m Y UNA PROFUNDIDAD DE HASTA 10 m, Y POZOS QUE TENGAN UNA PROFUNDIDAD HASTA 3 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	
			Sin descomposición	
			TOTAL	9,87 €
			NUEVE EUROS CON OCHENTA Y SIETE CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 19

Partida	Código	Tipo	Descripción	Precio
79	330.0020	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO. (EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).	
			Mano de obra	0,06 €
			Materiales	0,15 €
			Maquinaria	0,82 €
			Suma	1,03 €
			Costes indirectos	0,06 €
			TOTAL	1,09 €
			UN EURO CON NUEVE CÉNTIMOS	
80	330.0050	m3	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE LA SUPERFICIE.	
			Mano de obra	0,06 €
			Materiales	4,30 €
			Maquinaria	1,93 €
			Suma	6,29 €
			Costes indirectos	0,38 €
			TOTAL	6,67 €
			SEIS EUROS CON SESENTA Y SIETE CÉNTIMOS	
81	330.0060	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD.	
			Mano de obra	0,03 €
			Materiales	0,15 €
			Maquinaria	0,30 €
			Suma	0,48 €
			Costes indirectos	0,03 €
			TOTAL	0,51 €
			CERO EUROS CON CINCUENTA Y UN CÉNTIMOS	
82	331.0010	m3	PEDRAPLÉN CON MATERIALES PROCEDENTES DE CANTERA, EXTENDIDO, HUMECTADO, NIVELADO Y COMPACTADO, INCLUSO P.P. DE SOBREANCHOS S/PG-3, COMPLETAMENTE TERMINADO i/ MATERIAL, CANON DE PRÉSTAMO Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE CORONACIÓN Y REFINO DE TALUDES.	

CUADRO DE PRECIOS 2

Página 20

Partida	Código	Tipo	Descripción	Precio
			Mano de obra	0,06 €
			Materiales	5,10 €
			Maquinaria	1,73 €
			Suma	6,89 €
			Costes indirectos	0,41 €
			TOTAL	7,30 €
			SIETE EUROS CON TREINTA CÉNTIMOS	
83	332.0010	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	
			Mano de obra	0,78 €
			Materiales	7,63 €
			Maquinaria	7,93 €
			Suma	16,34 €
			Costes indirectos	0,98 €
			TOTAL	17,32 €
			DIECISIETE EUROS CON TREINTA Y DOS CÉNTIMOS	
84	332.0040	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			Mano de obra	0,87 €
			Materiales	0,15 €
			Maquinaria	2,06 €
			Suma	3,08 €
			Costes indirectos	0,18 €
			TOTAL	3,26 €
			TRES EUROS CON VEINTISEIS CÉNTIMOS	
85	332.0050	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			Mano de obra	1,04 €
			Materiales	2,61 €
			Maquinaria	2,97 €
			Suma	6,62 €
			Costes indirectos	0,40 €
			TOTAL	7,02 €
			SIETE EUROS CON DOS CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 21

Partida	Código	Tipo	Descripción	Precio
86	332.0060	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	
			Mano de obra	0,12 €
			Materiales	4,72 €
			Maquinaria	5,48 €
			Suma	10,32 €
			Costes indirectos	0,62 €
			TOTAL	10,94 €
			DIEZ EUROS CON NOVENTA Y CUATRO CÉNTIMOS	
87	332.1000	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	
			Mano de obra	4,14 €
			Materiales	13,30 €
			Maquinaria	2,45 €
			Suma	19,89 €
			Costes indirectos	1,19 €
			TOTAL	21,08 €
			VEINTIUN EUROS CON OCHO CÉNTIMOS	
88	332.N070	m³	RELLENO CON MATERIAL IMPERMEABLE PROCEDENTE DE CANTERA O PRÉSTAMO, INCLUSO SUMINISTRO, NIVELACIÓN Y COMPACTACIÓN, TOTALMENTE TERMINADO	
			Sin descomposición	
			TOTAL	3,43 €
			TRES EUROS CON CUARENTA Y TRES CÉNTIMOS	
89	333.N010	m³	SUELO ADECUADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	
			Sin descomposición	
			TOTAL	1,08 €
			UN EURO CON OCHO CÉNTIMOS	
90	333.N020	m³	SUELO SELECCIONADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	
			Sin descomposición	
			TOTAL	

CUADRO DE PRECIOS 2

Página 22

Partida	Código	Tipo	Descripción	Precio
			UN EURO CON OCHO CÉNTIMOS	1,08 €
91	400.0010	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	
			Mano de obra	20,74 €
			Materiales	63,32 €
			Maquinaria	0,00 €
			Suma	84,06 €
			Costes indirectos	5,04 €
			TOTAL	89,10 €
			OCHENTA Y NUEVE EUROS CON DIEZ CÉNTIMOS	
92	410.0020	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ´ ´ IN SITU ´ ´ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	
			Mano de obra	32,12 €
			Materiales	148,92 €
			Maquinaria	2,03 €
			Suma	183,07 €
			Costes indirectos	10,98 €
			TOTAL	194,05 €
			CIENTO NOVENTA Y CUATRO EUROS CON CINCO CÉNTIMOS	
93	410.0030	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ´ ´ IN SITU ´ ´ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	
			Mano de obra	35,00 €
			Materiales	166,47 €
			Maquinaria	2,29 €
			Suma	203,76 €
			Costes indirectos	12,23 €
			TOTAL	215,99 €
			DOSCIENTOS QUINCE EUROS CON NOVENTA Y NUEVE CÉNTIMOS	
94	410.N001	ud	CONSTRUCCION DE POZO DE REGISTRO PREFABRICADO HASTA UNA PROFUNDIDAD H MENOR DE 3 M PARA RED DE DRENAJE, INCLUSO EXCAVACIÓN, HORMIGÓN DE LIMPIEZA Y COLOCACIÓN. INCLUIDO MARCO Y TAPA DE REGISTRO Ø 80 CM DE FUNDICION GRIS GRAFITO ESFEROIDAL DUCTIL. TOTALMENTE COLOCADA Y LOSA DE HORMIGÓN ARMADO EN POZOS PREFABRICADOS, PARA SUJECCIÓN DE TAPAS DE REGISTRO, SEGÚN PLANOS. TOTALMENTE TERMINADO	
			Sin descomposición	
			TOTAL	

CUADRO DE PRECIOS 2

Página 23

Partida	Código	Tipo	Descripción	Precio
CUATROCIENTOS NOVENTA Y CINCO EUROS				495,00 €
95	413.0010	m	CAZ DE HORMIGÓN PREFABRICADO i/ SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN, AGOTAMIENTO Y ENTIBACIÓN, SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SOBRANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DEL LECHO DE ASIENTO Y PERFILADO.	
Mano de obra				8,52 €
Materiales				34,43 €
Maquinaria				1,17 €
Suma				44,12 €
Costes indirectos				2,65 €
TOTAL				46,77 €
CUARENTA Y SEIS EUROS CON SETENTA Y SIETE CÉNTIMOS				
96	414.0030	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 400 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				13,75 €
Materiales				27,76 €
Maquinaria				9,04 €
Suma				50,55 €
Costes indirectos				3,03 €
TOTAL				53,58 €
CINCUENTA Y TRES EUROS CON CINCUENTA Y OCHO CÉNTIMOS				
97	414.0050	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 500 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				16,05 €
Materiales				35,70 €
Maquinaria				10,56 €
Suma				62,31 €
Costes indirectos				3,74 €
TOTAL				66,05 €
SESENTA Y SEIS EUROS CON CINCO CÉNTIMOS				
98	414.0080	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 600 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				16,05 €
Materiales				47,00 €
Maquinaria				10,56 €

CUADRO DE PRECIOS 2

Página 24

Partida	Código	Tipo	Descripción	Precio
Suma				73,61 €
Costes indirectos				4,42 €
TOTAL				78,03 €
SETENTA Y OCHO EUROS CON TRES CÉNTIMOS				
99	414.0110	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 800 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				19,25 €
Materiales				76,33 €
Maquinaria				12,93 €
Suma				108,51 €
Costes indirectos				6,51 €
TOTAL				115,02 €
CIENTO QUINCE EUROS CON DOS CÉNTIMOS				
100	414.0130	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				19,25 €
Materiales				104,04 €
Maquinaria				12,93 €
Suma				136,22 €
Costes indirectos				8,17 €
TOTAL				144,39 €
CIENTO CUARENTA Y CUATRO EUROS CON TREINTA Y NUEVE CÉNTIMOS				
101	414.0140	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
Mano de obra				19,25 €
Materiales				109,59 €
Maquinaria				12,93 €
Suma				141,77 €
Costes indirectos				8,51 €
TOTAL				150,28 €
CIENTO CINCUENTA EUROS CON VEINTIOCHO CÉNTIMOS				
102	414.0160	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	

CUADRO DE PRECIOS 2

Página 25

Partida	Código	Tipo	Descripción	Precio
103	414.0190	m	Mano de obra	24,08 €
			Materiales	139,70 €
			Maquinaria	18,52 €
			Suma	182,30 €
			Costes indirectos	10,94 €
			TOTAL	193,24 €
			CIENTO NOVENTA Y TRES EUROS CON VEINTICUATRO CÉNTIMOS	
			TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			Mano de obra	24,08 €
			Materiales	196,28 €
104	414.0220	m	Maquinaria	18,52 €
			Suma	238,88 €
			Costes indirectos	14,33 €
			TOTAL	253,21 €
			DOSCIENTOS CINCUENTA Y TRES EUROS CON VEINTIUN CÉNTIMOS	
			TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			Mano de obra	24,08 €
			Materiales	292,32 €
			Maquinaria	18,52 €
			Suma	334,92 €
105	414.N280	m	Costes indirectos	20,10 €
			TOTAL	355,02 €
			TRESCIENTOS CINCUENTA Y CINCO EUROS CON DOS CÉNTIMOS	
			TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 2200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	
			Sin descomposición	
			TOTAL	505,40 €
			QUINIENTOS CINCO EUROS CON CUARENTA CÉNTIMOS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	
106	415.N002	m	SUMINISTRO Y COLOCACIÓN DE BORDILLO MONTABLE TIPO CLÁSICO DE DIMENSIONES 15X20 CMS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 26

Partida	Código	Tipo	Descripción	Precio
107	416.N001	ud	BADÉN SENCILLO DE 5 METROS EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 20 CM DE ESPESOR, SEGÚN PLANOS, TOTALMENTE COLOCADO.	
			Sin descomposición	
			TOTAL	900,00 €
			NOVECIENTOS EUROS	
			BADÉN EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 30 CM DE ESPESOR Y 2 TUBOS DE Ø 500 MM, SEGÚN PLANOS, TOTALMENTE COLOCADO.	
			Sin descomposición	
			TOTAL	3.240,00 €
			TRES MIL DOSCIENTOS CUARENTA EUROS	
			TUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.	
			Mano de obra	2,31 €
108	416.N002	ud	Materiales	6,67 €
			Maquinaria	0,73 €
			Suma	9,71 €
			Costes indirectos	0,58 €
			TOTAL	10,29 €
			DIEZ EUROS CON VEINTINUEVE CÉNTIMOS	
			CLAPETA DE DESCARGA Y RETENCION Ø 1200 MM DE ACERO INOXIDABLE AISI-316, HERMETIZACION DE GOMA SINTETICA A BASE DE CLOROBUTADIENO, INCLUIDO ACCESORIOS, MONTAJE Y PRUEBAS	
			Sin descomposición	
			TOTAL	6.085,00 €
			SEIS MIL OCHENTA Y CINCO EUROS	
109	417.0020	m	REJILLA PARA POZO TOTALMENTE COLOCADA	
			Sin descomposición	
			TOTAL	62,00 €
			SESENTA Y DOS EUROS	
			HINCA DE TUBERÍA DE HORMIGÓN ARMADO Ø 2200 MM, EN CUALQUIER TIPO DE TERRENO Y POR CUALQUIER PROCEDIMIENTO CONSTRUCTIVO, INCLUSO DESPLAZAMIENTO DE MAQUINARIA A OBRA, POZOS DE ATAQUE Y SALIDA, TUBERÍA, EXCAVACIÓN, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO DE TUBOS, DISPOSICIÓN Y EMPUJE, AGOTAMIENTO Y SELLADO DE JUNTAS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	
			Sin descomposición	
			TOTAL	12,55 €
			DOCE EUROS CON CINCUENTA Y CINCO CÉNTIMOS	

CUADRO DE PRECIOS 2

Página 27

Partida	Código	Tipo	Descripción	Precio
Sin descomposición				
DOS MIL TRESCIENTOS CUARENTA EUROS				TOTAL 2.340,00 €
113	423.N002	m	HINCA DE CAJÓN DE DIMENSIONES INFERIORES A 4X3 M, EN CUALQUIER TIPO DE TERRENO INCLUSO EMPUJE Y COLOCACIÓN DEL MARCO I HORMIGÓN HM-20 PARA APOYO Y NIVELACIÓN DEL MISMO	
Sin descomposición				
TRES MIL CUATROCIENTOS CINCUENTA EUROS				TOTAL 3.450,00 €
114	424.0020	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	
Mano de obra				2,31 €
Materiales				9,46 €
Maquinaria				0,73 €
Suma				12,50 €
Costes indirectos				0,75 €
TRECE EUROS CON VEINTICINCO CÉNTIMOS				TOTAL 13,25 €
115	430.0030	m	BAJANTE PREFABRICADA DE HORMIGÓN DE 0,50 m DE ANCHO INTERIOR i/ SUMINISTRO, TRANSPORTE, EXCAVACIÓN, PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, REJUNTADO CON HORMIGÓN O MORTERO Y P.P. DE EMBOCADURAS Y REMATES.	
Mano de obra				2,01 €
Materiales				28,15 €
Maquinaria				1,78 €
Suma				31,94 €
Costes indirectos				1,92 €
TREINTA Y TRES EUROS CON OCHENTA Y SEIS CÉNTIMOS				TOTAL 33,86 €
116	510.0010	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	
Mano de obra				0,97 €
Materiales				8,52 €
Maquinaria				7,67 €
Suma				17,16 €
Costes indirectos				1,03 €

CUADRO DE PRECIOS 2

Página 28

Partida	Código	Tipo	Descripción	Precio
DIECIOCHO EUROS CON DIECINUEVE CÉNTIMOS				TOTAL 18,19 €
117	512.0010	m3	SUELO ESTABILIZADO ´´IN SITU´´ CON CEMENTO O CAL, TIPO S-EST1 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
Mano de obra				0,22 €
Materiales				0,06 €
Maquinaria				3,21 €
Suma				3,49 €
Costes indirectos				0,21 €
TRES EUROS CON SETENTA CÉNTIMOS				TOTAL 3,70 €
118	512.0020	m3	SUELO ESTABILIZADO ´´IN SITU´´ CON CEMENTO O CAL, TIPO S-EST2 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
Mano de obra				0,22 €
Materiales				0,06 €
Maquinaria				3,21 €
Suma				3,49 €
Costes indirectos				0,21 €
TRES EUROS CON SETENTA CÉNTIMOS				TOTAL 3,70 €
119	512.0030	m3	SUELO ESTABILIZADO ´´IN SITU´´ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
Mano de obra				0,22 €
Materiales				0,06 €
Maquinaria				3,31 €
Suma				3,59 €
Costes indirectos				0,22 €
TRES EUROS CON OCHENTA Y UN CÉNTIMOS				TOTAL 3,81 €
120	512.0050	m3	SUELO ESTABILIZADO ´´IN SITU´´ CON CEMENTO O CAL, TIPO S-EST2, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	
Mano de obra				0,22 €
Materiales				1,93 €

CUADRO DE PRECIOS 2

Página 29

Partida	Código	Tipo	Descripción	Precio
			Maquinaria	5,42 €
			Suma	7,57 €
			Costes indirectos	0,45 €
			TOTAL	8,02 €
			OCHO EUROS CON DOS CÉNTIMOS	
121	512.0060	m3	SUELO ESTABILIZADO ‘ ‘IN SITU’ ’ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	
			Mano de obra	0,22 €
			Materiales	2,05 €
			Maquinaria	5,52 €
			Suma	7,79 €
			Costes indirectos	0,47 €
			TOTAL	8,26 €
			OCHO EUROS CON VEINTISEIS CÉNTIMOS	
122	513.0010	m3	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO.	
			Mano de obra	1,34 €
			Materiales	7,60 €
			Maquinaria	11,64 €
			Suma	20,58 €
			Costes indirectos	1,23 €
			TOTAL	21,81 €
			VEINTIUN EUROS CON OCHENTA Y UN CÉNTIMOS	
123	530.0010	t	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN.	
			Mano de obra	1,86 €
			Materiales	5,50 €
			Maquinaria	4,93 €
			Suma	12,29 €
			Costes indirectos	0,74 €
			TOTAL	13,03 €
			TRECE EUROS CON TRES CÉNTIMOS	
124	530.0020	t	EMULSIÓN C50BF5 IMP EN RIEGO DE IMPRIMACIÓN, BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			Mano de obra	18,48 €
			Materiales	284,00 €
			Maquinaria	34,28 €

CUADRO DE PRECIOS 2

Página 30

Partida	Código	Tipo	Descripción	Precio
			Suma	336,76 €
			Costes indirectos	20,21 €
			TOTAL	356,97 €
			TRESCIENTOS CINCUENTA Y SEIS EUROS CON NOVENTA Y SIETE CÉNTIMOS	
125	531.0020	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			Mano de obra	36,97 €
			Materiales	243,26 €
			Maquinaria	68,54 €
			Suma	348,77 €
			Costes indirectos	20,93 €
			TOTAL	369,70 €
			TRESCIENTOS SESENTA Y NUEVE EUROS CON SETENTA CÉNTIMOS	
126	531.0040	t	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	
			Mano de obra	41,08 €
			Materiales	305,00 €
			Maquinaria	76,17 €
			Suma	422,25 €
			Costes indirectos	25,34 €
			TOTAL	447,59 €
			CUATROCIENTOS CUARENTA Y SIETE EUROS CON CINCUENTA Y NUEVE CÉNTIMOS	
127	542.0010	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S (S-12 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	
			Mano de obra	2,16 €
			Materiales	8,67 €
			Maquinaria	14,17 €
			Suma	25,00 €
			Costes indirectos	1,50 €
			TOTAL	26,50 €
			VEINTISEIS EUROS CON CINCUENTA CÉNTIMOS	
128	542.0020	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 SURF S (S-20 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	
			Mano de obra	2,16 €
			Materiales	8,32 €
			Maquinaria	14,17 €
			Suma	24,65 €

CUADRO DE PRECIOS 2

Página 31

Partida	Código	Tipo	Descripción	Precio
Costes indirectos				1,48 €
TOTAL				26,13 €
VEINTISEIS EUROS CON TRECE CÉNTIMOS				
129	542.0060	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN D (D-20 INTERMEDIA), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	
Mano de obra				2,16 €
Materiales				8,68 €
Maquinaria				14,17 €
Suma				25,01 €
Costes indirectos				1,50 €
TOTAL				26,51 €
VEINTISEIS EUROS CON CINCUENTA Y UN CÉNTIMOS				
130	542.0100	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE G (G-25 BASE), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	
Mano de obra				2,16 €
Materiales				8,64 €
Maquinaria				14,17 €
Suma				24,97 €
Costes indirectos				1,50 €
TOTAL				26,47 €
VEINTISEIS EUROS CON CUARENTA Y SIETE CÉNTIMOS				
131	542.0110	t	POLVO MINERAL O CARBONATO (TRICALSA O SIMILAR) EMPLEADO COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	
Mano de obra				0,00 €
Materiales				46,48 €
Maquinaria				0,00 €
Suma				46,48 €
Costes indirectos				2,79 €
TOTAL				49,27 €
CUARENTA Y NUEVE EUROS CON VEINTISIETE CÉNTIMOS				
132	543.0020	m2	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B (M-10) EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.	
Mano de obra				0,16 €
Materiales				0,64 €
Maquinaria				1,02 €
Suma				1,82 €
Costes indirectos				0,11 €
TOTAL				

CUADRO DE PRECIOS 2

Página 32

Partida	Código	Tipo	Descripción	Precio
UN EURO CON NOVENTA Y TRES CÉNTIMOS				1,93 €
133	555.N001	m²	GEOMALLA DE DE MULTIFILAMENTOS DE POLIÉSTER CON RECUBRIMIENTO BITUMINOSO Y GEOTEXTIL NO TEJIDO ADHERIDO PARA EL REFUERZO DE FIRMES ASFÁLTICOS, CON PESO NO INFERIOR A 270 G/M2, CON RESISTENCIA MÍNIMA A TRACCIÓN DE 50 KN/M, DE ANCHURA MÍNIMA DE 1 M.	
Sin descomposición				
TOTAL				4,94 €
CUATRO EUROS CON NOVENTA Y CUATRO CÉNTIMOS				
134	600.0010	kg	ACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
Mano de obra				0,13 €
Materiales				0,64 €
Maquinaria				0,12 €
Suma				0,89 €
Costes indirectos				0,05 €
TOTAL				0,94 €
CERO EUROS CON NOVENTA Y CUATRO CÉNTIMOS				
135	600.0020	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	
Mano de obra				0,13 €
Materiales				0,85 €
Maquinaria				0,12 €
Suma				1,10 €
Costes indirectos				0,07 €
TOTAL				1,17 €
UN EURO CON DIECISIETE CÉNTIMOS				
136	610.0010	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	
Mano de obra				1,48 €
Materiales				47,07 €
Maquinaria				0,24 €
Suma				48,79 €
Costes indirectos				2,93 €
TOTAL				51,72 €
CINCUENTA Y UN EUROS CON SETENTA Y DOS CÉNTIMOS				
137	610.0020	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	

CUADRO DE PRECIOS 2

Página 33

Partida	Código	Tipo	Descripción	Precio
138	610.0050	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	Mano de obra
				2,58 €
				Materiales
				63,15 €
				Maquinaria
				0,24 €
				Suma
				65,97 €
				Costes indirectos
				3,96 €
139	610.0070	m3	HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	TOTAL
				69,93 €
				<i>SESENTA Y NUEVE EUROS CON NOVENTA Y TRES CÉNTIMOS</i>
				Mano de obra
				10,53 €
				Materiales
				69,52 €
				Maquinaria
				7,19 €
				Suma
140	630.0010	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS H<=6 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	87,24 €
				Costes indirectos
				5,23 €
				TOTAL
				92,47 €
				<i>NOVENTA Y DOS EUROS CON CUARENTA Y SIETE CÉNTIMOS</i>
				Mano de obra
				10,53 €
				Materiales
				77,44 €
141	630.0020	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS 6 m < H <= 12 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	Maquinaria
				7,19 €
				Suma
				95,16 €
				Costes indirectos
				5,71 €
				TOTAL
				100,87 €
				<i>CIEN EUROS CON OCHENTA Y SIETE CÉNTIMOS</i>
				Mano de obra
144	678.N810	m²	PANTALLA DE MICROPILOTES DE Ø 250MM Sin descomposición	13,01 €
				Materiales
				101,40 €
				Maquinaria
				15,68 €
				Suma
				130,09 €
				Costes indirectos
				7,81 €
				TOTAL
145	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	137,90 €
				<i>CIENTO TREINTA Y SIETE EUROS CON NOVENTA CÉNTIMOS</i>
				Mano de obra
				14,60 €
				Materiales
				120,33 €
				Suma
				24,81 €
				Costes indirectos
				1,49 €
146	680.0020	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	TOTAL
				26,30 €
				<i>VEINTISEIS EUROS CON TREINTA CÉNTIMOS</i>
				Mano de obra
				12,14 €
				Materiales
				3,81 €
				Maquinaria
				8,86 €
				Suma

CUADRO DE PRECIOS 2

Página 34

Partida	Código	Tipo	Descripción	Precio
142	658.0020	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	Maquinaria
				21,17 €
				Suma
				156,10 €
				Costes indirectos
				9,37 €
				TOTAL
				165,47 €
				<i>CIENTO SESENTA Y CINCO EUROS CON CUARENTA Y SIETE CÉNTIMOS</i>
				Mano de obra
143	658.0030	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	1,63 €
				Materiales
				12,99 €
				Maquinaria
				21,41 €
				Suma
				36,03 €
				Costes indirectos
				2,16 €
				TOTAL
144	678.N810	m²	PANTALLA DE MICROPILOTES DE Ø 250MM Sin descomposición	38,19 €
				<i>TREINTA Y OCHO EUROS CON DIECINUEVE CÉNTIMOS</i>
				Mano de obra
				3,25 €
				Materiales
				13,58 €
				Maquinaria
				30,87 €
				Suma
				47,70 €
145	680.0010	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	Costes indirectos
				2,86 €
				TOTAL
				50,56 €
				<i>CINCIENTA EUROS CON CINCUENTA Y SEIS CÉNTIMOS</i>
				Mano de obra
				12,14 €
				Materiales
				3,81 €
				Maquinaria

CUADRO DE PRECIOS 2

Página 35

Partida	Código	Tipo	Descripción	Precio
146	680.0030	m2	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	
			Mano de obra	12,14 €
			Materiales	8,97 €
			Maquinaria	8,86 €
			Suma	29,97 €
			Costes indirectos	1,80 €
			TOTAL	31,77 €
			TREINTA Y UN EUROS CON SETENTA Y SIETE CÉNTIMOS	
147	681.0010	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	
			Mano de obra	4,02 €
			Materiales	5,47 €
			Maquinaria	1,02 €
			Suma	10,51 €
			Costes indirectos	0,63 €
			TOTAL	11,14 €
			ONCE EUROS CON CATORCE CÉNTIMOS	
148	690.0040	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	
			Mano de obra	1,89 €
			Materiales	5,07 €
			Maquinaria	0,03 €
			Suma	6,99 €
			Costes indirectos	0,42 €
			TOTAL	7,41 €
			SIETE EUROS CON CUARENTA Y UN CÉNTIMOS	
149	690.0050	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS...) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.	

CUADRO DE PRECIOS 2

Página 36

Partida	Código	Tipo	Descripción	Precio
			Mano de obra	10,48 €
			Materiales	13,73 €
			Maquinaria	0,00 €
			Suma	24,21 €
			Costes indirectos	1,45 €
			TOTAL	25,66 €
			VEINTICINCO EUROS CON SESENTA Y SEIS CÉNTIMOS	
150	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	
			Sin descomposición	
			TOTAL	10,28 €
			DIEZ EUROS CON VEINTIOCHO CÉNTIMOS	
151	694.N200	m	JUNTAS DE DILATAACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.	
			Sin descomposición	
			TOTAL	30,00 €
			TREINTA EUROS	
152	699.0001	m²	PASO SUPERIOR DE VIGAS PREFABRICADAS TIPO ARTESA	
			Sin descomposición	
			TOTAL	800,00 €
			OCHOCIENTOS EUROS	
153	701.N910	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN TRONCO	
			Sin descomposición	
			TOTAL	230,00 €
			DOSCIENTOS TREINTA EUROS	
154	701.N920	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN RAMALES	
			Sin descomposición	
			TOTAL	130,00 €
			CIENTO TREINTA EUROS	
155	801.N910	ud	PAISAJISMO	
			Sin descomposición	
			TOTAL	830.000,00 €
			OCHOCIENTOS TREINTA MIL EUROS	
156	801.N920	m²	COLOCACIÓN DE PANTALLAS ACÚSTICAS FONOABSORBENTES	
			Sin descomposición	

CUADRO DE PRECIOS 2

Página 37

Partida	Código	Tipo	Descripción	Precio
				TOTAL
DOSCIENTOS DIECINUEVE EUROS CON SETENTA Y CINCO CÉNTIMOS				219,75 €
157	901.N010	ud	DESVÍOS PROVISIONALES	
Sin descomposición				
				TOTAL
UN MILLÓN SEISCIENTOS CINCUENTA MIL EUROS				1.650.000,00 €
158	915.0010	m	CERRAMIENTO DE 1,5 M DE ALTURA COMPUESTO POR POSTES METÁLICOS CADA 3 M, ARRIOSTRAMIENTO CADA 30 M Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN i/ PARTE PROPORCIONAL DE CIMIENTOS, TOTALMENTE COLOCADO. EXCEPTO PUERTAS.	
Mano de obra				10,35 €
Materiales				5,77 €
Maquinaria				0,33 €
Suma				16,45 €
Costes indirectos				0,99 €
				TOTAL
DIECISIETE EUROS CON CUARENTA Y CUATRO CÉNTIMOS				17,44 €
159	915.0020	ud	PUERTA PARA CERRAMIENTO DE UNA HOJA, TOTALMENTE COLOCADA.	
Mano de obra				20,94 €
Materiales				208,13 €
Maquinaria				0,00 €
Suma				229,07 €
Costes indirectos				13,74 €
				TOTAL
DOSCIENTOS CUARENTA Y DOS EUROS CON OCHENTA Y UN CÉNTIMOS				242,81 €
160	931.N001	ud	ESPIRA SIMPLE DETECTORA DE AFOROS	
Sin descomposición				
				TOTAL
DOSCIENTOS VEINTE EUROS				220,00 €
161	931.N002	ud	ESPIRA DOBLE DETECTORA DE AFOROS	
Sin descomposición				
				TOTAL
CUATROCIENTOS CUARENTA EUROS				440,00 €
162	990.N010	ud	IMPREVISTOS	
Sin descomposición				

CUADRO DE PRECIOS 2

Página 38

Partida	Código	Tipo	Descripción	Precio
				TOTAL
CUATRO MILLONES EUROS				4.000.000,00 €
163	990.N020	ud	ESTUDIO DE SEGURIDAD Y SALUD	
Sin descomposición				
				TOTAL
CUATROCIENTOS QUINCE MIL EUROS				415.000,00 €
164	991.N001	PAI	PARTIDA ALZADA DE ABONO ÍNTEGRO PARA LA AUDITORÍA DE SEGURIDAD Y VIAL Y PUESTA EN SERVICIO	
Sin descomposición				
				TOTAL
TREINTA MIL EUROS				30.000,00 €

Valladolid, Septiembre de 209

EL INGENIERO AUTOR
DEL PROYECTO

Fdo. D. Ángel Piedra Sisniega

EL INGENIERO DIRECTOR
DEL PROYECTO

Fdo. D. Agustín M. Corral López

3. PRESUPUESTOS.

3.1. PRESUPUESTOS PARCIALES.

PRESUPUESTO

CAPÍTULO 01 DEMOLICIONES						3.363.974,46 €
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	301,002	m3	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	32,44 €	23.271,905	754.940,60 €
2	301,014	m²c	FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE i/ CARGA, BARRIDO, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO Y/O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	0,51 €	275.038,000	140.269,38 €
3	301,004	m2	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR i/ BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DEMOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	3,85 €	543.991,710	2.094.368,08 €
4	301,001	m3	DEMOLICIÓN DE VOLUMEN APARENTE DE EDIFICACIÓN EXISTENTE i/ DEMOLICIÓN DE LA CIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	8,95 €	41.832,000	374.396,40 €
TOTAL 01						3.363.974,46 €

CAPÍTULO 02 EXPLANACIONES						11.786.420,33 €
SUBCAPÍTULO 02.01 MOVIMIENTO DE TIERRAS						11.758.583,31 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	300,001	m2	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.	0,58 €	1.118.307,170	648.618,16 €
2	320,001	m3	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O ACOPIO DENTRO DE LA OBRA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS Y PAGO DE LOS CANONES DE OCUPACIÓN.	1,98 €	220.996,500	437.573,07 €
3	320,002	m3	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 10 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.	1,95 €	1.071.824,900	2.090.058,56 €

PRESUPUESTO

4	330,002	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO. (EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).	1,09 €	584.874,100	637.512,77 €
5	331,001	m3	PEDRAPLÉN CON MATERIALES PROCEDENTES DE CANTERA, EXTENDIDO, HUMECTADO, NIVELADO Y COMPACTADO, INCLUSO P.P. DE SOBREALCHOS S/PG-3, COMPLETAMENTE TERMINADO i/ MATERIAL, CANON DE PRÉSTAMO Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE CORONACIÓN Y REFINO DE TALUDES.	7,30 €	193.232,600	1.410.597,98 €
6	333.N010	m³	SUELO ADECUADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	1,08 €	25.109,100	27.117,83 €
7	333.N020	m³	SUELO SELECCIONADO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO	1,08 €	106.805,400	115.349,83 €
8	330,005	m3	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE LA SUPERFICIE.	6,67 €	134.310,300	895.849,70 €
9	512,003	m3	SUELO ESTABILIZADO ‘‘IN SITU’’ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	3,81 €	53.539,300	203.984,73 €
10	512,006	m3	SUELO ESTABILIZADO ‘‘IN SITU’’ CON CEMENTO, TIPO S-EST3, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CEMENTO.	8,26 €	253.975,400	2.097.836,80 €
11	512,001	m3	SUELO ESTABILIZADO ‘‘IN SITU’’ CON CEMENTO O CAL, TIPO S-EST1 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	3,70 €	68.409,500	253.115,15 €

PRESUPUESTO

12	512,002	m3	SUELO ESTABILIZADO “IN SITU” CON CEMENTO O CAL, TIPO S-EST2 CON TIERRAS DE LA PROPIA EXCAVACIÓN, EXTENDIDO Y COMPACTADO, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	3,70 €	31.862,500	117.891,25 €
13	512,005	m3	SUELO ESTABILIZADO “IN SITU” CON CEMENTO O CAL, TIPO S-EST2, CON TIERRAS DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 10 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.	8,02 €	36.834,100	295.409,48 €
14	330,006	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD.	0,51 €	345.936,200	176.427,46 €
15	202,002	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	71,18 €	33.032,320	2.351.240,54 €
TOTAL 02.01						11.758.583,31 €

SUBCAPÍTULO 02.02 CAMPAÑA GEOTÉCNICA27.837,02 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	306,002	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DE LOS EQUIPOS DE SONDEO, i/ PRIMER EMPLAZAMIENTO Y TÉCNICO AUXILIAR.	636,50 €	2,000	1.273,00 €
2	306,003	ud	TRASLADO DE Sonda ENTRE PUNTOS A RECONOCER, INCLUSO EMPLAZAMIENTO (UNO MENOS QUE EL N° TOTAL DE PUNTOS).	20,00 €	10,000	200,00 €
3	306,004	ud	ABONO FIJO POR TRANSPORTE AL ÁREA DE TRABAJO DEL CONJUNTO DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, O CUALQUIER OTRO EQUIPO ANÁLOGO.	351,02 €	1,000	351,02 €
4	306,005	ud	TRASLADO ENTRE PUNTOS A RECONOCER DE PENETRÓMETRO (ESTÁTICO O DINÁMICO), EQUIPO DE PLACA DE CARGA, PRESIÓMETRO, DILATÓMETRO, PIEZÓMETRO, SÍSMICOS, ELÉCTRICOS, ELECTROMAGNÉTICOS, DIAGRAFÍAS, GEORRÁDAR, VANE-TEST, ETC.	6,00 €	10,000	60,00 €
5	306,015	ud	TOMA DE MUESTRA INALTERADA CON TOMAMUESTRAS DE TIPO ABIERTO, A CUALQUIER PROFUNDIDAD.	30,00 €	20,000	600,00 €
6	306,017	ud	TESTIGO PARAFINADO DE LONGITUD L > 35 cm DE Y Ø > 70 mm, A CUALQUIER PROFUNDIDAD.	15,00 €	20,000	300,00 €
7	306,018	m	TUBO RANURADO DE PVC, DE DIÁMETRO Ø > 60 mm, COLOCADO EN EL INTERIOR DE SONDEO.	8,37 €	210,000	1.757,70 €
8	306,019	ud	EMBOCADURA Y TAPADO DE SONDEO i/ ARQUETA IDENTIFICADA CON LA DENOMINACIÓN DEL PUNTO, TOTALMENTE TERMINADA.	48,00 €	12,000	576,00 €
9	306,02	ud	TOMA DE MUESTRAS DE LAS AGUAS, EN SONDEO, DESTINADAS AL ANÁLISIS QUÍMICO	19,90 €	5,000	99,50 €

PRESUPUESTO

10	306,021	ud	CAJA PORTATESTIGOS DE CARTÓN PARAFINADO i/ TRANSPORTE A ALMACÉN DESIGNADO, ROTULACIÓN Y FOTOGRAFÍA EN COLOR.	9,00 €	60,000	540,00 €
11	306,029	m	PENETRACIÓN DINÁMICA TIPO DPL, DPM, DPH Y DPSH, SEGÚN UNE EN ISO 22476-2, Y ENSAYO BORRO, SEGÚN UNE 103809, A CUALQUIER PROFUNDIDAD.	22,00 €	200,000	4.400,00 €
12	306,028	ud	ENSAYO DE PENETRACIÓN ESTÁNDAR SPT, A CUALQUIER PROFUNDIDAD Y EN CUALQUIER TIPO DE TERRENO, SEGÚN UNE EN ISO 22476-3.	32,38 €	60,000	1.942,80 €
13	306,055	ud	APERTURA Y PREPARACIÓN DE MUESTRAS DE ROCA, CUANDO UNA MISMA MUESTRA DEBA SERVIR PARA LA REALIZACIÓN DE MÁS DE UN ENSAYO. APLICABLE UNA SOLA VEZ POR MUESTRA.	7,00 €	2,000	14,00 €
14	306,056	ud	ANÁLISIS GRANULOMÉTRICO DE SUELOS POR TAMIZADO, UNE 103101.	41,36 €	45,000	1.861,20 €
15	306,058	ud	DETERMINACIÓN DE LOS LÍMITES LÍQUIDO Y PLÁSTICO DE UN SUELO (LÍMITES DE ATTERBERG), UNE 103103 Y UNE 103104.	40,05 €	45,000	1.802,25 €
16	306,068	ud	DETERMINACIÓN DEL CONTENIDO DE MATERIA ORGÁNICA OXIDABLE DE UN SUELO POR EL MÉTODO DEL PERMANGANATO POTÁSICO, UNE 103204.	19,00 €	25,000	475,00 €
17	306,07	ud	DETERMINACIÓN DEL CONTENIDO DE YESOS EN LOS SUELOS, UNE 103206.	27,00 €	25,000	675,00 €
18	306,069	ud	DETERMINACIÓN DEL CONTENIDO DE SALES SOLUBLES EN LOS SUELOS, UNE 103205.	48,02 €	25,000	1.200,50 €
19	306,043	ud	ENSAYO PRESIOMÉTRICO, CON CICLO INTERMEDIO DE CARGA-DESCARGA, BAJO DIRECCIÓN “IN SITU” DE TÉCNICO EXPERTO i/ P.P. DE INFORME DE INTERPRETACIÓN.	300,00 €	15,000	4.500,00 €
20	306,073	ud	ENSAYO DE COMPACTACIÓN PRÓCTOR NORMAL, UNE 103500.	58,09 €	15,000	871,35 €
21	306,077	ud	ENSAYO PARA DETERMINAR EN LABORATORIO EL ÍNDICE C.B.R. DE UN SUELO PARA LA SOBRECARGA DE 4,5 kg DEFINIDA EN LA NORMA, UNE 103502.	124,18 €	15,000	1.862,70 €
22	306,032	ud	CALICATA MANUAL O MECÁNICA, INCLUSO FOTOGRAFÍAS EN COLOR Y REPOSICIÓN, i/ TESTIFICACIÓN “IN SITU” A CARGO DE TÉCNICO EXPERTO.	114,75 €	20,000	2.295,00 €
23	306,033	ud	TOMA DE MUESTRA EN SACO EN CALICATA, CANTERA O ZONA CANTERABLE, ACOPIO U OTROS PUNTOS, DE MENOS DE 30 kg.	9,00 €	20,000	180,00 €
TOTAL 02.02						27.837,02 €

CAPÍTULO 03 DRENAJE10.653.145,79 €

SUBCAPÍTULO 03.01 DRENAJE LONGITUDINAL2.533.974,83 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	430,003	m	BAJANTE PREFABRICADA DE HORMIGÓN DE 0,50 m DE ANCHO INTERIOR i/ SUMINISTRO, TRANSPORTE, EXCAVACIÓN, PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, REJUNTADO CON HORMIGÓN O MORTERO Y P.P. DE EMBOCADURAS Y REMATES.	33,86 €	861,010	29.153,80 €
2	414,003	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 400 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	53,58 €	1.014,000	54.330,12 €

PRESUPUESTO

Página 5

3	414,008	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 600 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	78,03 €	4.395,630	342.991,01 €
4	414,011	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 800 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	115,02 €	1.910,500	219.745,71 €
5	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	14.762,141	1.315.306,76 €
6	414,005	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 500 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	66,05 €	138,170	9.126,13 €
7	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	432,740	83.973,20 €
8	413,001	m	CAZ DE HORMIGÓN PREFABRICADO i/ SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN, AGOTAMIENTO Y ENTIBACIÓN, SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SOBRANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DEL LECHO DE ASIENTO Y PERFILADO.	46,77 €	3.357,370	157.024,19 €
9	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	26.911,137	178.420,84 €
10	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	11.826,983	38.555,96 €
11	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	229,362	16.039,28 €
12	416.N001	ud	BADÉN SENCILLO DE 5 METROS EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 20 CM DE ESPESOR, SEGÚN PLANOS, TOTALMENTE COLOCADO.	900,00 €	2,000	1.800,00 €
13	416.N002	ud	BADÉN EJECUTADO CON HORMIGÓN EN MASA HM-20 DE 30 CM DE ESPESOR Y 2 TUBOS DE Ø 500 MM, SEGÚN PLANOS, TOTALMENTE COLOCADO.	3.240,00 €	7,000	22.680,00 €
14	415.N002	m	SUMINISTRO Y COLOCACIÓN DE BORDILLO MONTABLE TIPO CLÁSICO DE DIMENSIONES 15X20 CMS	12,55 €	3.931,080	49.335,05 €

PRESUPUESTO

Página 6

15	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	320,000	6.745,60 €
16	290,003	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 3 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO SEPARADOR, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DE MÁS DE 18,5 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DE MÁS DE 17,7 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DE MÁS DE 60%, ELONGACIÓN TRANSVERSAL EN ROTURA DE MÁS DEL 60%, PUNZONAMIENTO ESTÁTICO (CBR) DE MÁS DE 3020 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DE MENOS DE 13 mm Y PERMEABILIDAD AL AGUA DE MÁS DE 7,3 10-6/m²/s.	4,98 €	426,400	2.123,47 €
17	414,014	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 135 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	150,28 €	17,000	2.554,76 €
18	330,006	m3	RELLENO EN FORMACIÓN DE VERTEDERO i/ EXTENDIDO DEL MATERIAL Y DEMÁS ACTUACIONES COMPLEMENTARIAS PARA REALIZAR LA UNIDAD	0,51 €	3.125,400	1.593,95 €
19	410.N001	ud	CONSTRUCCION DE POZO DE REGISTRO PREFABRICADO HASTA UNA PROFUNDIDAD H MENOR DE 3 M PARA RED DE DRENAJE, INCLUSO EXCAVACIÓN, HORMIGÓN DE LIMPIEZA Y COLOCACIÓN. INCLUIDO MARCO Y TAPA DE REGISTRO Ø 80 CM DE FUNDICION GRIS GRAFITO ESFEROIDAL DUCTIL. TOTALMENTE COLOCADA Y LOSA DE HORMIGÓN ARMADO EN POZOS PREFABRICADOS, PARA SUJECCIÓN DE TAPAS DE REGISTRO, SEGÚN PLANOS. TOTALMENTE TERMINADO	495,00 €	5,000	2.475,00 €
TOTAL 03.01						2.533.974,83 €

SUBCAPÍTULO 03.02 DRENAJE TRANSVERSAL 8.119.170,96 €

03.02.01 ODT 98+130 MD 69.454,43 €
03.02.01.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	8,925	461,60 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	115,942	3.049,27 €

PRESUPUESTO

Página 7

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	355,399	2.356,30 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	41,289	3.817,99 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	2.890,220	3.381,56 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	39,677	294,01 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	42,460	1.621,55 €
TOTAL 03.02.01.01						14.982,28 €

03.02.01.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	100,905	1.835,46 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	234,098	828,71 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	723,521	4.796,94 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	14,843	257,08 €

PRESUPUESTO

Página 8

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	492,570	1.605,78 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	429,009	4.693,36 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	65,100	23.111,80 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	90,997	4.706,36 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	29,738	782,11 €
TOTAL 03.02.01.02						42.617,60 €

03.02.01.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	8,925	461,60 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	115,942	3.049,27 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	128,223	850,12 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	41,289	3.817,99 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	2.890,220	3.381,56 €

PRESUPUESTO

Página 9

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	39,677	294,01 €
TOTAL 03.02.01.03						11.854,55 €

03.02.02 ODT 98+130
03.02.02.01 ENTRADA

296.329,28 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	8,925	461,60 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	115,942	3.049,27 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	748,498	4.962,54 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	41,289	3.817,99 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	2.890,220	3.381,56 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	39,677	294,01 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	122,727	4.686,94 €
TOTAL 03.02.02.01						20.653,91 €

03.02.02.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	568,308	10.337,52 €

PRESUPUESTO

Página 10

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	1.318,466	4.667,37 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6.469,965	42.895,87 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	83,596	1.447,88 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	3.569,704	11.637,24 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	2.801,206	30.645,19 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	366,650	130.168,08 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	512,533	26.508,21 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	114,172	3.002,72 €
TOTAL 03.02.02.02						261.310,08 €

03.02.02.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	8,925	461,60 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	115,942	3.049,27 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	262,437	1.739,96 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	41,289	3.817,99 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	2.890,220	3.381,56 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	39,677	294,01 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEs DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	42,443	1.620,90 €
TOTAL 03.02.02.03						14.365,29 €

03.02.03 ODT 99+400

03.02.03.01 ENTRADA

192.210,79 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	6,790	351,18 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	65,872	1.732,43 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	487,506	3.232,16 €

PRESUPUESTO

4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	1.339,703	1.567,45 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	26,058	193,09 €
6	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	9,120	120,84 €
7	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	21,660	222,66 €
8	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	19,139	1.769,78 €
9	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	13,676	956,36 €
TOTAL 03.02.03.01						10.145,95 €

03.02.03.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	5.962,874	39.533,85 €
2	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	160,191	2.913,87 €
3	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	458,586	1.623,39 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	44,602	772,51 €

PRESUPUESTO

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.834,438	9.240,27 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	2.447,467	26.775,29 €
7	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	38,320	1.981,91 €
8	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	917,610	24.133,14 €
9	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	22.389,048	26.195,19 €
10	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	248,767	23.003,48 €
11	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	125,640	1.664,73 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	452,304	4.649,69 €
13	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	11,14 €	376,920	4.198,89 €
14	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	615,036	4.557,42 €
TOTAL 03.02.03.02						171.243,63 €

03.02.03.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	6,790	351,18 €

PRESUPUESTO

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	65,872	1.732,43 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	493,313	3.270,67 €
4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	1.339,703	1.567,45 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	26,058	193,09 €
6	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	9,120	120,84 €
7	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	21,660	222,66 €
8	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	19,139	1.769,78 €
9	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	15,149	1.059,37 €
10	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €
11	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €

PRESUPUESTO

Página 15

12	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
13	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.03.03						10.821,21 €

03.02.04 ODT 100+675 218.602,83 €
03.02.04.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	295,999	1.962,47 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	49,210	1.879,33 €
TOTAL 03.02.04.01						17.248,71 €

03.02.04.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	415,597	7.559,71 €

PRESUPUESTO

Página 16

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	944,451	3.343,36 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	4.671,470	30.971,85 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	52,064	901,75 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.033,228	6.628,32 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.678,829	18.366,39 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	274,020	97.282,58 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	381,756	19.744,42 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	77,640	2.041,93 €
TOTAL 03.02.04.02						186.840,31 €

03.02.04.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

Página 17

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	166,953	1.106,90 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
TOTAL 03.02.04.03						14.513,81 €

03.02.05 ODT 100+675 MI
03.02.05.01 ENTRADA

58.319,48 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	60,632	401,99 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €

PRESUPUESTO

Página 18

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	22,592	862,79 €
TOTAL 03.02.05.01						14.671,69 €

03.02.05.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	55,419	1.008,07 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	125,941	445,83 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	327,320	2.170,13 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	6,943	120,25 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	186,598	608,31 €

PRESUPUESTO

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	10,94 €	28,867	315,80 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	355,02 €	36,540	12.972,43 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	51,72 €	125,636	6.497,89 €
TOTAL 03.02.05.02				26,30 €	50,906	1.338,83 €
						25,477,54 €

03.02.05.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	26,30 €	143,184	3.765,74 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	6,63 €	434,994	2.884,01 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	92,47 €	50,371	4.657,81 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	1,17 €	3.525,944	4.125,35 €
				7,41 €	43,976	325,86 €

PRESUPUESTO

7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	49,210	1.879,33 €
TOTAL 03.02.05.03						18.170,25 €

03.02.06 ODT 101+168 MD
03.02.06.01 ENTRADA

25.977,58 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	26,30 €	48,581	1.277,68 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	6,63 €	84,264	558,67 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	92,47 €	13,187	1.219,40 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	1,17 €	923,124	1.080,06 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	7,41 €	22,481	166,58 €
TOTAL 03.02.06.01				38,19 €	15,454	590,19 €
						5.072,10 €

03.02.06.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	28,036	509,97 €

PRESUPUESTO

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	85,656	303,22 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	625,848	4.149,37 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	13,600	235,55 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	517,643	1.687,52 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	389,992	4.266,51 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	11,930	4.235,39 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	18,014	931,68 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	19,444	511,38 €
TOTAL 03.02.06.02						16.830,59 €

03.02.06.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	22,874	151,65 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.06.03						4.074,89 €

03.02.07 ODT 101+16888.762,42 €
03.02.07.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	81,656	541,38 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €

PRESUPUESTO

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	4,521	172,66 €
TOTAL 03.02.07.014.637,28 €						

03.02.07.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	111,390	2.026,18 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	340,327	1.204,76 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	4.245,618	28.148,45 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	54,036	935,90 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.088,207	6.807,55 €

PRESUPUESTO

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.558,986	17.055,31 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	47,400	16.827,95 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	71,574	3.701,81 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	69,102	1.817,38 €
TOTAL 03.02.07.0278.525,29 €						

03.02.07.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	113,745	754,13 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €

PRESUPUESTO

7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	24,155	922,48 €
TOTAL 03.02.07.03				5.599,85 €		

03.02.08 ODT 101+168 MI
03.02.08.01 ENTRADA

16.908,35 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE O DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	8,308	55,08 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.08.01				3.978,32 €		

03.02.08.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	16,732	304,36 €

PRESUPUESTO

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6m²/s HASTA 5,4 10-6m²/s.	3,54 €	51,121	180,97 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE O DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	180,492	1.196,66 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	8,117	140,59 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	187,968	612,78 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	194,234	2.124,92 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	7,120	2.527,74 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,751	556,04 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	12,710	334,27 €
TOTAL 03.02.08.02				7.978,33 €		

03.02.08.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFrado i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	66,104	438,27 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEs DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	15,454	590,19 €
TOTAL 03.02.08.03						4.951,70 €

03.02.09 ODT 103+933

03.02.09.01 ENTRADA

537.089,05 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	4,712	243,70 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	3.723,250	24.685,15 €

PRESUPUESTO

3	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	3.230,750	35.344,41 €
4	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	149,020	32.186,83 €
TOTAL 03.02.09.01						92.460,09 €

03.02.09.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	132,580	2.411,63 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	358,913	1.270,55 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	2.763,346	18.320,98 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	53,979	934,92 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	703,148	2.292,26 €

PRESUPUESTO

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.808,770	19.787,94 €
7	414.N280	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 2200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	505,40 €	47,350	23.930,69 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	32,256	1.668,28 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	55,191	1.451,52 €
10	423.N001	m	HINCA DE TUBERÍA DE HORMIGÓN ARMADO Ø 2200 MM, EN CUALQUIER TIPO DE TERRENO Y POR CUALQUIER PROCEDIMIENTO CONSTRUCTIVO, INCLUSO DESPLAZAMIENTO DE MAQUINARIA A OBRA, POZOS DE ATAQUE Y SALIDA, TUBERÍA, EXCAVACIÓN, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO DE TUBOS, DISPOSICIÓN Y EMPUJE, AGOTAMIENTO Y SELLADO DE JUNTAS	2.340,00 €	140,740	329.331,60 €
11	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ‘’IN SITU’’ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	162,979	35.201,83 €
TOTAL 03.02.09.02						436.602,20 €

03.02.09.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,824	197,78 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	66,684	1.753,79 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	190,308	1.261,74 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	18,346	1.696,45 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	1.284,251	1.502,57 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	28,380	210,30 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	36,767	1.404,13 €
TOTAL 03.02.09.03						8.026,76 €

03.02.10 ODT 105+117 MD
03.02.10.01 ENTRADA

104.648,86 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	530,934	3.520,09 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €

PRESUPUESTO

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	62,475	2.385,92 €
TOTAL 03.02.10.01						19.312,92 €

03.02.10.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	167,324	3.043,62 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	369,813	1.309,14 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.376,005	9.122,91 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	16,165	279,98 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	553,020	1.802,85 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	490,061	5.361,27 €

PRESUPUESTO

7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	113,440	40.273,47 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	157,384	8.139,90 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,938	997,77 €
TOTAL 03.02.10.02						70.330,91 €

03.02.10.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	241,044	1.598,12 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
TOTAL 03.02.10.03						15.005,03 €

03.02.11 ODT 105+117
03.02.11.01 ENTRADA

267.296,80 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €

PRESUPUESTO

Página 33

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	305,545	2.025,76 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	43,309	1.653,97 €
TOTAL 03.02.11.01						17.086,64 €

03.02.11.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	504,450	9.175,95 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	1.114,916	3.946,80 €

PRESUPUESTO

Página 34

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6.114,618	40.539,92 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	48,735	844,09 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.461,682	8.025,08 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.925,075	21.060,32 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	342,000	121.416,84 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	474,482	24.540,21 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	77,936	2.049,72 €
TOTAL 03.02.11.02						231.598,93 €

03.02.11.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	645,799	4.281,65 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE S DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	24,160	922,67 €
TOTAL 03.02.11.03						18.611,23 €

03.02.12 ODT 105+117 MI 70.226,82 €
03.02.12.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	303,565	2.012,64 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €

PRESUPUESTO

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
TOTAL 03.02.12.01						15.419,55 €

03.02.12.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	81,302	1.478,88 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	179,691	636,11 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	900,341	5.969,26 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	7,855	136,05 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	216,415	705,51 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	208,009	2.275,62 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	55,120	19.568,70 €

PRESUPUESTO

Página 37

8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	76,472	3.955,13 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	27,732	729,35 €
TOTAL 03.02.12.02						35.454,61 €

03.02.12.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	541,680	3.591,34 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	61,650	2.354,41 €
TOTAL 03.02.12.03						19.352,66 €

03.02.13 ODT 106+200
03.02.13.01 ENTRADA

199.317,57 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €

PRESUPUESTO

Página 38

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	944,044	6.259,01 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	91,944	3.511,34 €
TOTAL 03.02.13.01						13.693,59 €

03.02.13.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	195,755	3.560,78 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	598,086	2.117,22 €

PRESUPUESTO

Página 39

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	11.900,238	78.898,58 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	94,962	1.644,74 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	4.988,004	16.260,89 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	3.122,084	34.155,60 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	83,300	29.573,17 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	125,816	6.507,20 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	119,362	3.139,22 €
TOTAL 03.02.13.02						175.857,40 €

03.02.13.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €

PRESUPUESTO

Página 40

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	792,296	5.252,92 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEs DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	15,460	590,42 €
TOTAL 03.02.13.03						9.766,58 €

03.02.14 ODT 106+800
03.02.14.01 ENTRADA

215.057,38 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	548,108	3.633,96 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €

PRESUPUESTO

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	16,302	1.140,00 €
TOTAL 03.02.14.01						8.879,40 €

03.02.14.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	227,574	4.139,57 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	695,301	2.461,37 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	13.225,732	87.686,60 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	110,398	1.912,09 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	5.248,244	17.109,28 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	3.481,398	38.086,49 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	96,840	34.380,14 €

PRESUPUESTO

8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	146,267	7.564,93 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	138,318	3.637,76 €
TOTAL 03.02.14.02						196.978,23 €

03.02.14.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	532,916	3.533,23 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	14,691	1.027,34 €
8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €

PRESUPUESTO

Página 43

9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.14.039.199,75 €						

03.02.15 ODTE 2112.961,18 €
03.02.15.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	87,724	581,61 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	15,453	590,15 €
TOTAL 03.02.15.015.095,00 €						

03.02.15.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

Página 44

1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	14,241	259,04 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	43,510	154,03 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	115,685	766,99 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	6,908	119,65 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	356,328	1.161,63 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	227,129	2.484,79 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	6,060	2.151,42 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	9,153	473,39 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	11,226	295,24 €
TOTAL 03.02.15.027.866,18 €						

03.02.15.03 SALIDA

PRESUPUESTO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	0,000	0,00 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	0,000	0,00 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	0,000	0,00 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	0,000	0,00 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	0,000	0,00 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	0,000	0,00 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEs DRENANTEs, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	0,000	0,00 €
TOTAL 03.02.15.03						0,00 €

03.02.16	ODT 107+051	133.861,38 €
03.02.16.01	ENTRADA	

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEÓ DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	249,823	1.656,33 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	11,843	828,18 €
TOTAL 03.02.16.01						6.589,95 €

03.02.16.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	143,938	2.618,23 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	439,769	1.556,78 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	8.673,357	57.504,36 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	69,825	1.209,37 €

PRESUPUESTO

Página 47

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.197,650	7.164,34 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.858,325	20.330,08 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	61,250	21.744,98 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	92,512	4.784,72 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	88,492	2.327,34 €
TOTAL 03.02.16.02						119.240,20 €

03.02.16.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	367,680	2.437,72 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €

PRESUPUESTO

Página 48

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	13,647	954,33 €
8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €
9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ‘‘IN SITU’’ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.16.03						8.031,23 €

03.02.17 ODT 108+150
03.02.17.01 ENTRADA

132.545,22 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	298,354	1.978,09 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €

PRESUPUESTO

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	12,643	884,12 €
TOTAL 03.02.17.016.967,65 €						

03.02.17.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	164,618	2.994,40 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	502,952	1.780,45 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6.365,444	42.202,89 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	79,857	1.383,12 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.855,238	9.308,08 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	2.232,494	24.423,48 €

PRESUPUESTO

7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	70,050	24.869,15 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	108,458	5.609,45 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	106,524	2.801,58 €
TOTAL 03.02.17.02115.372,60 €						

03.02.17.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	669,640	4.439,71 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	16,103	1.126,08 €

PRESUPUESTO

Página 51

8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €
9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ´´IN SITU´´ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m² i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.17.0310.204,97 €						

03.02.18 ODT 108+660136.237,46 €
03.02.18.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	422,830	2.803,36 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €

PRESUPUESTO

Página 52

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	14,858	1.039,02 €
TOTAL 03.02.18.017.947,82 €						

03.02.18.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	163,842	2.980,29 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	500,583	1.772,06 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6.335,456	42.004,07 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	79,481	1.376,61 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	3.516,677	11.464,37 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	2.428,348	26.566,13 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	69,720	24.751,99 €

PRESUPUESTO

8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	105,305	5.446,37 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	100,350	2.639,21 €
TOTAL 03.02.18.02						119.001,10 €

03.02.18.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	51,650	1.358,40 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	538,449	3.569,92 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,769	1.273,22 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	963,859	1.127,72 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	15,436	1.079,44 €
8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €

PRESUPUESTO

9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.18.03						9.288,54 €

03.02.19 ODT 112+431 MD
03.02.19.01 ENTRADA

118.286,74 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	665,057	4.409,33 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	60,241	2.300,60 €
TOTAL 03.02.19.01						20.116,84 €

03.02.19.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	171,336	3.116,60 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	378,680	1.340,53 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	2.287,481	15.166,00 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	16,553	286,70 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	603,306	1.966,78 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	522,865	5.720,14 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	116,160	41.239,12 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	161,157	8.335,04 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	38,414	1.010,29 €
TOTAL 03.02.19.02						78.181,20 €

03.02.19.03 SALIDA

PRESUPUESTO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	631,508	4.186,90 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	62,710	2.394,89 €
TOTAL 03.02.19.03						19.988,70 €

03.02.20 ODT 112+431 350.460,24 €
03.02.20.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	3.925,266	26.024,51 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	43,976	325,86 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	62,710	2.394,89 €
TOTAL 03.02.20.01						41.826,31 €

03.02.20.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	597,552	10.869,47 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	1.320,686	4.675,23 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	10.133,064	67.182,21 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	57,730	999,88 €

PRESUPUESTO

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.078,266	6.775,15 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.808,861	19.788,94 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	405,120	143.825,70 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	562,053	29.069,38 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	88,982	2.340,23 €
TOTAL 03.02.20.02						285.526,19 €

03.02.20.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	10,289	532,15 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	143,184	3.765,74 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.092,262	7.241,70 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	50,371	4.657,81 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	3.525,944	4.125,35 €

PRESUPUESTO

Página 59

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.			
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	7,41 €	43,976	325,86 €
TOTAL 03.02.20.03				38,19 €	64,392	2.459,13 €
						23.107,74 €

03.02.21 ODT 113+260
03.02.21.01 ENTRADA

99.209,84 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	322,123	2.135,68 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	6,272	438,60 €
TOTAL 03.02.21.01						6.497,52 €

03.02.21.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	114,351	2.080,04 €

PRESUPUESTO

Página 60

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.			
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	3,54 €	695,301	2.461,37 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	6,63 €	4.883,518	32.377,72 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	17,32 €	55,472	960,78 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	1.983,382	6.465,83 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	10,94 €	1.550,794	16.965,69 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	355,02 €	48,660	17.275,27 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	51,72 €	73,496	3.801,21 €
TOTAL 03.02.21.02				26,30 €	70,866	1.863,78 €
						84.251,69 €

03.02.21.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	465,126	3.083,79 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	13,154	919,86 €
8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €
9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m² i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.21.03						8.460,63 €

PRESUPUESTO

03.02.22 ODT 0+910				27.996,46 €		
03.02.22.01 ENTRADA						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	120,816	801,01 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	12,939	494,14 €
TOTAL 03.02.22.01						4.301,85 €

03.02.22.02 CUERPO						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	30,100	547,52 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	94,920	336,02 €

PRESUPUESTO

Página 63

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.166,060	7.730,98 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	15,960	276,43 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	549,920	1.792,74 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	438,200	4.793,91 €
7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	14,000	3.544,94 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	19,194	992,71 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	17,784	467,72 €
TOTAL 03.02.22.02						20.482,97 €

03.02.22.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €

PRESUPUESTO

Página 64

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	15,911	105,49 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	2,604	99,45 €
TOTAL 03.02.22.03						3.211,64 €

03.02.23 ODT 1+189

27.310,50 €

03.02.23.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	291,122	1.930,14 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €

PRESUPUESTO

Página 65

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	25,758	983,70 €
TOTAL 03.02.23.01						5,920,54 €

03.02.23.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	29,305	533,06 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	92,411	327,13 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	917,572	6.083,50 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	15,538	269,12 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	359,832	1.173,05 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	371,826	4.067,78 €

PRESUPUESTO

Página 66

7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	13,630	3.451,25 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	18,687	966,49 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	17,377	457,02 €
TOTAL 03.02.23.02						17.328,40 €

03.02.23.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	108,172	717,18 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	8,842	337,68 €
TOTAL 03.02.23.03						4.061,56 €

03.02.24 ODT 1+698

28.074,23 €

03.02.24.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	25,224	167,24 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	12,939	494,14 €
TOTAL 03.02.24.01						3.668,08 €

03.02.24.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	31,433	571,77 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	99,124	350,90 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.146,062	7.598,39 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	16,667	288,67 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	607,461	1.980,32 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	467,548	5.114,98 €
7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	14,620	3.701,93 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	20,044	1.036,68 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	18,466	485,66 €
TOTAL 03.02.24.02						21.129,30 €

03.02.24.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €

PRESUPUESTO

Página 69

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6,325	41,93 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	5,976	228,22 €
TOTAL 03.02.24.03						3.276,85 €

03.02.25 ODT 113+717
03.02.25.01 ENTRADA

73.336,29 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	248,799	1.649,54 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €

PRESUPUESTO

Página 70

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	15,460	590,42 €
TOTAL 03.02.25.01						6.163,20 €

03.02.25.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	96,891	1.762,45 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	296,027	1.047,94 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	3.425,388	22.710,32 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	47,002	814,07 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	1.217,110	3.967,78 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.166,809	12.764,89 €

PRESUPUESTO

Página 71

7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	41,230	14.637,47 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	62,274	3.220,81 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	60,464	1.590,20 €
TOTAL 03.02.25.0262.515,93 €						

03.02.25.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	21,644	143,50 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	15,460	590,42 €
TOTAL 03.02.25.034.657,16 €						

03.02.26 ODT 2+200

23.658,03 €

03.02.26.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

Página 72

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	0,896	46,34 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	168,140	1.114,77 €
3	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	140,770	1.540,02 €
4	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO ‘‘IN SITU’’ COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	10,523	2.272,86 €
TOTAL 03.02.26.014.973,99 €						

03.02.26.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	25,671	466,96 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	80,953	286,57 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	733,713	4.864,52 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	13,612	235,76 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	328,828	1.071,98 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	284,000	3.106,96 €
7	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	16,370	846,66 €
8	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	15,436	405,97 €
9	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	11,940	3.023,33 €
TOTAL 03.02.26.02						14.308,71 €

03.02.26.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,063	158,42 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	47,745	1.255,69 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	58,329	386,72 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	2,840	108,46 €
TOTAL 03.02.26.03						4.375,33 €

03.02.27 ODT 114+514
03.02.27.01 ENTRADA

672.640,44 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	33,624	1.739,03 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	224,569	5.906,16 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	531,797	3.525,81 €
4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	6.500,930	7.606,09 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	86,143	638,32 €

PRESUPUESTO

6	658,003	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.			
7	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	50,56 €	108,357	5.478,53 €
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	13,25 €	12,940	171,46 €
9	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	10,28 €	74,472	765,57 €
				92,47 €	92,870	8.587,69 €
TOTAL 03.02.27.01						34.418,66 €

03.02.27.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	34.154,635	226.445,23 €
2	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	360,219	6.552,38 €
3	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	937,555	3.318,94 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	70,070	1.213,61 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	18.415,554	60.034,71 €

PRESUPUESTO

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	7.212,265	78.902,18 €
7	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	81,913	4.236,54 €
8	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	1.879,321	49.426,14 €
9	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	62.529,984	73.160,08 €
10	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	694,778	64.246,12 €
11	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	197,380	2.615,29 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	750,044	7.710,45 €
13	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	11,14 €	1.480,350	16.491,10 €
14	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	1.322,446	9.799,32 €
15	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	12,869	2.779,58 €
TOTAL 03.02.27.02						606.931,67 €

03.02.27.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	33,624	1.739,03 €

PRESUPUESTO

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	224,569	5.906,16 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	233,798	1.550,08 €
4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	6.500,930	7.606,09 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	86,143	638,32 €
6	658,003	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	50,56 €	85,556	4.325,71 €
7	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	12,940	171,46 €
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	74,472	765,57 €
9	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	92,870	8.587,69 €
TOTAL 03.02.27.03						31.290,11 €

03.02.28 ODTE 59			61.701,22 €			
03.02.28.01 ENTRADA						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	1,662	85,96 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	24,981	657,00 €

PRESUPUESTO

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	296,064	1.962,90 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	6,088	562,96 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	426,194	498,65 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	11,595	85,92 €
7	658,003	m3	ESCOLLERA COLOCADA DE 1200/2000 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	50,56 €	92,239	4.663,60 €
TOTAL 03.02.28.01						8.516,99 €

03.02.28.02 CUERPO						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	79,050	1.437,92 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	263,500	932,79 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	3.742,975	24.815,92 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	48,450	839,15 €

PRESUPUESTO

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	1.867,025	6.086,50 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	619,650	6.778,97 €
7	414,013	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1000 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	144,39 €	42,500	6.136,58 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	59,484	3.076,51 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,638	1.279,18 €
10	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	8,337	1.800,71 €
TOTAL 03.02.28.02						53.184,23 €

03.02.29 ODT 115+726				889.650,54 €		
03.02.29.01 ENTRADA						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	4,712	243,70 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	995,520	6.600,30 €

PRESUPUESTO

3	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	580,800	6.353,95 €
4	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	132,522	28.623,43 €
TOTAL 03.02.29.01						41.821,38 €

03.02.29.02 CUERPO						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	26.324,160	174.529,18 €
2	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	419,082	7.623,10 €
3	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	1.236,429	4.376,96 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	34,542	598,27 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	9.712,790	31.663,70 €

PRESUPUESTO

Página 81

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	2.721,038	29.768,16 €
7	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	121,102	6.263,40 €
8	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	2.998,612	78.863,50 €
9	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	88.474,806	103.515,52 €
10	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	983,053	90.902,91 €
11	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	313,020	4.147,52 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	845,154	8.688,18 €
13	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	11,14 €	1.585,570	17.663,25 €
14	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	1.502,496	11.133,50 €
15	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	135,502	29.267,08 €
16	423.N002	m	HINCA DE CAJÓN DE DIMENSIONES INFERIORES A 4X3 M, EN CUALQUIER TIPO DE TERRENO INCLUSO EMPUJE Y COLOCACIÓN DEL MARCO I HORMIGÓN HM-20 PARA APOYO Y NIVELACIÓN DEL MISMO	3.450,00 €	70,000	241.500,00 €
TOTAL 03.02.29.02						840.504,23 €

03.02.29.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

Página 82

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	6,648	343,83 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	69,134	1.818,22 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	37,784	250,51 €
4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	1.423,308	1.665,27 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	25,619	189,84 €
6	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTEС DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	21,926	837,35 €
7	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	9,280	122,96 €
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	21,086	216,76 €
9	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	20,333	1.880,19 €
TOTAL 03.02.29.03						7.324,93 €

03.02.31 ODT 0+144
03.02.31.01 ENTRADA

30.642,67 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €

PRESUPUESTO

Página 83

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	15,950	105,75 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	14,382	549,25 €
TOTAL 03.02.31.01						4.578,24 €

03.02.31.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	41,689	758,32 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	127,371	450,89 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	73,266	485,75 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	20,224	350,28 €

PRESUPUESTO

Página 84

5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	1.062,271	3.463,00 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	664,895	7.273,95 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	17,740	6.298,05 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	26,794	1.385,79 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	27,578	725,30 €
TOTAL 03.02.31.02						21.191,33 €

03.02.31.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	49,710	329,58 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €

PRESUPUESTO

Página 85

6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.			
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	7,41 €	22,481	166,58 €
				38,19 €	16,242	620,28 €
TOTAL 03.02.31.03						4.873,10 €

03.02.32 ODT 117+575
03.02.32.01 ENTRADA

147.406,69 €

[illegible]

03.02.32.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	134,209	2.441,26 €

PRESUPUESTO

Página 86

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	410,044	1.451,56 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	9.631,602	63.857,52 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	65,105	1.127,62 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.880,628	9.390,85 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.989,141	21.761,20 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	57,110	20.275,19 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	86,259	4.461,32 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DEENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DEENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	82,696	2.174,90 €
TOTAL 03.02.32.02						126.941,42 €

03.02.32.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.183,489	7.846,53 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	23,451	1.639,93 €
8	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	26,800	94,87 €
9	332,1	m3	RELLENO EN ZANJA PARA DRENAJE CON MATERIAL GRANULAR DEL TIPO GRAVA SILÍCEA DE 20 A 40 mm DE GRANULOMETRÍA Y FIELTRO DE POLIPROPILENO CON UN PESO MÍNIMO DE 80 g/m², PARA TODAS PERMEABILIDADES.	21,08 €	10,560	222,60 €
10	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m² i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	0,795	154,27 €
11	421.N001	m²	REJILLA PARA POZO TOTALMENTE COLOCADA	62,00 €	1,000	62,00 €
TOTAL 03.02.32.03						13.943,44 €

PRESUPUESTO

03.02.33 ODT 0+245				97.309,54 €		
03.02.33.01 ENTRADA						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	1,444	74,68 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	169,270	1.122,26 €
3	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	131,750	1.441,35 €
4	410,003	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO SUPERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	215,99 €	13,808	2.982,39 €
TOTAL 03.02.33.01						5.620,68 €

03.02.33.02 CUERPO						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	90,381	1.644,03 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	276,139	977,53 €

PRESUPUESTO

Página 89

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6.249,750	41.435,84 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	43,844	759,38 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	2.770,658	9.032,35 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.441,481	15.769,80 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	38,460	13.654,07 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	58,090	3.004,41 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	56,586	1.488,21 €
TOTAL 03.02.33.02						87.765,62 €

03.02.33.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €

PRESUPUESTO

Página 90

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	0,000	0,00 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.33.03						3.923,24 €

03.02.34 ODT 118+539 MD
03.02.34.01 ENTRADA

188.604,27 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	7,404	382,93 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	115,191	3.029,52 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	71,034	470,96 €
4	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	2.394,758	2.801,87 €
5	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	42,467	314,68 €
6	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	31,556	1.205,12 €

PRESUPUESTO

Página 91

7	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.			
8	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	13,25 €	12,760	169,07 €
9	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	10,28 €	36,535	375,58 €
TOTAL 03.02.34.01				92,47 €	34,211	3.163,49 €
						11.913,22 €

03.02.34.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
2	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	6,63 €	3.220,656	21.352,95 €
3	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	18,19 €	145,328	2.643,52 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	3,54 €	393,792	1.394,02 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	17,32 €	28,128	487,18 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	7.885,216	25.705,80 €
				10,94 €	3.266,598	35.736,58 €

PRESUPUESTO

Página 92

7	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	38,910	2.012,43 €
8	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	840,556	22.106,62 €
9	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	22.741,488	26.607,54 €
10	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	252,683	23.365,60 €
11	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	93,760	1.242,32 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	346,912	3.566,26 €
13	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	11,14 €	562,560	6.266,92 €
14	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	567,248	4.203,31 €
TOTAL 03.02.34.02						176.691,05 €

03.02.35 ODT 119+179

131.136,17 €

03.02.35.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	111,673	740,39 €

PRESUPUESTO

Página 93

4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	21,022	802,83 €
TOTAL 03.02.35.01						5.466,46 €

03.02.35.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	113,928	2.072,35 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	348,082	1.232,21 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	9.142,358	60.613,83 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	55,267	957,22 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	3.752,352	12.232,67 €

PRESUPUESTO

Página 94

6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.817,030	19.878,31 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	48,480	17.211,37 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	73,224	3.787,15 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	70,614	1.857,15 €
TOTAL 03.02.35.02						119.842,26 €

03.02.35.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	70,059	464,49 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €

PRESUPUESTO

Página 95

7	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	38,19 €	37,699	1.439,72 €
TOTAL 03.02.35.03						5.827,45 €

03.02.36 ODT 0+100

03.02.36.01 ENTRADA

17.962,66 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6,882	45,63 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.36.01						3.052,33 €

03.02.36.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	24,704	449,37 €

PRESUPUESTO

Página 96

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	167,984	594,66 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	156,494	1.037,56 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	13,099	226,87 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	455,004	1.483,31 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	360,786	3.947,00 €
7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	11,490	2.909,38 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	15,753	814,75 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	15,023	395,10 €
TOTAL 03.02.36.02						11.858,00 €

03.02.36.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFrado i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6,882	45,63 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.36.03						3.052,33 €

03.02.37 ODT 0+284
03.02.37.01 ENTRADA

34.314,52 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFrado i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	8,901	59,01 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €

PRESUPUESTO

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.37.01						3.982,25 €

03.02.37.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	55,977	1.018,22 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	171,025	605,43 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	331,098	2.195,18 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	27,155	470,32 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	869,906	2.835,89 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	727,463	7.958,45 €

PRESUPUESTO

7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	23,820	8.456,58 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	35,978	1.860,78 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	36,090	949,17 €
TOTAL 03.02.37.02						26.350,02 €

03.02.37.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	8,901	59,01 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.37.03						3.982,25 €

03.02.38 ODT 0+130

12.394,95 €

03.02.38.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €

PRESUPUESTO

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6,882	45,63 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.38.01						3.052,33 €

03.02.38.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	13,932	253,42 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	94,738	335,37 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	85,925	569,68 €

PRESUPUESTO

Página 101

4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	7,387	127,94 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	195,048	635,86 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	184,421	2.017,57 €
7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	6,480	1.640,80 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	8,884	459,48 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	9,512	250,17 €
TOTAL 03.02.38.02						6.290,29 €

03.02.38.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	6,882	45,63 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €

PRESUPUESTO

Página 102

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.38.03						3.052,33 €

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03.02.39.02 CUERPO

7.078,83 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	6,020	109,50 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	20,880	73,92 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	207,928	1.378,56 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	3,192	55,29 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	73,920	240,98 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	76,384	835,64 €

PRESUPUESTO

Página 103

7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	2,800	708,99 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,839	198,55 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	5,464	143,70 €
TOTAL 03.02.39.023.745,13 €						

03.02.39.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	49,321	327,00 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.39.033.333,70 €						

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28.420,63 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €

PRESUPUESTO

Página 104

2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	17,802	118,03 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.40.014.041,27 €						

03.02.40.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	43,475	790,81 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	132,828	470,21 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	427,165	2.832,10 €

PRESUPUESTO

Página 105

4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	21,090	365,28 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	488,400	1.592,18 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	504,680	5.521,20 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	18,500	6.567,87 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	27,942	1.445,16 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	28,642	753,28 €
TOTAL 03.02.40.02						20.338,09 €

03.02.40.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	17,802	118,03 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €

PRESUPUESTO

Página 106

5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.40.03						4.041,27 €

03.02.41 ODTE 13

7.551,45 €

03.02.41.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	2,453	126,87 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	37,936	997,72 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	47,945	317,88 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	10,035	927,94 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	702,415	821,83 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	17,859	132,34 €
TOTAL 03.02.41.01						3.324,58 €

03.02.41.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	6,880	125,15 €

PRESUPUESTO

2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	23,872	84,51 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	230,944	1.531,16 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	3,648	63,18 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	84,480	275,40 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	87,296	955,02 €
7	414,019	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1500 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	253,21 €	3,200	810,27 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	4,387	226,90 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	5,904	155,28 €
TOTAL 03.02.41.02						4.226,87 €

03.02.42 ODT 0+066
03.02.42.01 ENTRADA

28.377,93 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	38,868	257,69 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.42.01						4.180,93 €

03.02.42.02 CUERPO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	37,483	681,82 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	114,519	405,40 €

PRESUPUESTO

Página 109

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	741,037	4.913,08 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	18,183	314,93 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	421,080	1.372,72 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	435,116	4.760,17 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	15,950	5.662,57 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	24,091	1.245,99 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	25,072	659,39 €
TOTAL 03.02.42.02						20.016,07 €

03.02.42.03 SALIDA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €

PRESUPUESTO

Página 110

3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	38,868	257,69 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.42.03						4.180,93 €

03.02.43 ODT 0+039

40.608,17 €

03.02.43.01 ENTRADA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	58,450	387,52 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.43.01						4.310,76 €

PRESUPUESTO

03.02.43.02 CUERPO						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	53,557	974,20 €
2	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	163,630	579,25 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.574,333	10.437,83 €
4	332,001	m3	RELLENO LOCALIZADO TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN.	17,32 €	25,981	449,99 €
5	332,004	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	3,26 €	601,656	1.961,40 €
6	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	621,711	6.801,52 €
7	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	355,02 €	22,790	8.090,91 €
8	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	34,422	1.780,31 €
9	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	34,648	911,24 €

PRESUPUESTO

TOTAL	03.02.43.02	31.986,65 €
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03.02.43.03 SALIDA						
NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	3,471	179,52 €
2	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	48,581	1.277,68 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	58,450	387,52 €
4	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	13,187	1.219,40 €
5	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	923,124	1.080,06 €
6	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.	7,41 €	22,481	166,58 €
TOTAL 03.02.43.03						4.310,76 €

03.02.44	CANALIZACIONES	2.199.231,07 €
03.02.44.01	CANALIZACIÓN ODT 106+200 MD-IZQ	

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	307,010	27.354,59 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	740,900	4.912,17 €
TOTAL 03.02.44.01						32.266,76 €

03.02.44.02	CANALIZACIÓN ODT 106+200 MD-DCH.
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PRESUPUESTO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	122,040	10.873,76 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.02				6,63 €	382,500	2.535,98 €
						13.409,74 €

03.02.44.03 CANALIZACIÓN ODT 106+800 MD-IZQ.

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	134,127	11.950,72 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.03				6,63 €	266,200	1.764,91 €
						13.715,63 €

03.02.44.04 CANALIZACIÓN ODT 106+800 MD-DRCH.

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	81,540	7.265,21 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.04				6,63 €	352,700	2.338,40 €
						9.603,61 €

03.02.44.05 CANALIZACIÓN ODTE 21-IZQ.

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	55,730	4.965,54 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.05				6,63 €	146,100	968,64 €
						5.934,18 €

03.02.44.06 CANALIZACIÓN ODTE 21-DCH.

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	100,050	8.914,46 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.06				6,63 €	344,400	2.283,37 €
						11.197,83 €

03.02.44.07 CANALIZACIÓN ODT 114+514

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	600,150	53.473,37 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.			
TOTAL 03.02.44.07				6,63 €	2.813,100	18.650,85 €
						72.124,22 €

03.02.44.08 CANALIZACIÓN ODT 117+575

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	138,270	12.319,86 €

PRESUPUESTO

Página 115

2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.585,100	10.509,21 €
TOTAL 03.02.44.0822.829,07 €						

03.02.44.09 CANALIZACIÓN ODT 0+910

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	185,770	16.552,11 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.272,600	8.437,34 €
TOTAL 03.02.44.0924.989,45 €						

03.02.44.10 CANALIZACIÓN ODT 1+189

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	51,090	4.552,12 €
2	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	162,700	1.078,70 €
TOTAL 03.02.44.105.630,82 €						

03.02.44.12 CANALIZACIÓN ODT 115+726-DCH.

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

Página 116

1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	5.880,307	38.986,44 €
2	321.N030	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, PARA UNA ANCHURA MENOR DE 6 m Y UNA PROFUNDIDAD DE HASTA 10 m, Y POZOS QUE TENGAN UNA PROFUNDIDAD HASTA 3 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	9,87 €	34.716,613	342.652,97 €
3	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	2.825,130	51.389,11 €
4	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	1.463,607	75.697,75 €
5	332,005	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	7,02 €	16.039,482	112.597,16 €
6	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	8.725,570	30.888,52 €
7	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	8.855,173	232.891,05 €
8	610,005	m3	HORMIGÓN PARA ARMAR HA-25 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	92,47 €	2.182,086	201.777,49 €
9	600,002	kg	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	1,17 €	196.311,792	229.684,80 €

PRESUPUESTO

Página 117

10	690,004	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.			
11	658,002	m3	ESCOLLERA COLOCADA DE 400/800 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTES DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.	7,41 €	5.713,532	42.337,27 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	38,19 €	84,375	3.222,28 €
13	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	10,28 €	3.377,950	34.725,33 €
14	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	11,14 €	3.889,800	43.332,37 €
15	414,022	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1800 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	13,25 €	1.300,820	17.235,87 €
16	330,002	m3	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.	355,02 €	827,100	293.637,04 €
			(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
17	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	1,09 €	8.308,136	9.055,87 €
				194,05 €	232,701	45.155,63 €
TOTAL 03.02.44.12						1.805.266,95 €

03.02.44.13 CANALIZACIÓN ODT 117+575

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	5.743,541	38.079,68 €

PRESUPUESTO

Página 118

2	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	531,930	9.675,81 €
3	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	106,386	5.502,28 €
4	332,005	m3	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	7,02 €	4.202,247	29.499,77 €
5	290,005	m2	GEOTEXTIL DE MATERIAL VIRGEN (100%) TIPO 5 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 7,3 kN/m HASTA 9,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 7,4 kN/m HASTA 10,1 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1231 N HASTA 1720 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 30 mm HASTA 22 mm Y PERMEABILIDAD AL AGUA DESDE 4,6 10-6/m²/s HASTA 5,4 10-6/m²/s.	3,54 €	1.501,920	5.316,80 €
6	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	346,830	9.121,63 €
7	414,016	m	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN NO ESTRUCTURAL HNE-20 DE 10 cm DE ESPESOR Y DIÁMETRO 1200 mm CLASE 90 (UNE-EN 1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/ SUMINISTRO, TRANSPORTE A OBRA Y COLOCACIÓN.	193,24 €	312,900	60.464,80 €
8	417.N001	ud	CLAPETA DE DESCARGA Y RETENCION Ø 1200 MM DE ACERO INOXIDABLE AISI-316, HERMETIZACION DE GOMA SINTETICA A BASE DE CLOROBUTADIENO, INCLUIDO ACCESORIOS, MONTAJE Y PRUEBAS	6.085,00 €	1,000	6.085,00 €
9	410,002	m3	HORMIGÓN ARMADO HA-25 EN FORMACIÓN DE ARQUETAS, BAJANTES, EMBOCADURAS Y POZOS DE REGISTRO (TANTO “IN SITU” COMO PREFABRICADOS) CON UNA CUANTÍA DE ACERO IGUAL O INFERIOR A 40 kg/m³ i/ ENCOFRADO, FRATASADO, ACABADOS, JUNTAS, CERCO Y TAPA.	194,05 €	31,936	6.197,18 €
10	400,001	m3	HORMIGÓN EN MASA HM-20 EN FORMACIÓN DE CUNETAS i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS.	89,10 €	138,270	12.319,86 €
TOTAL 03.02.44.13						182.262,81 €

CAPÍTULO 04 FIRMES

31.126.434,58 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	510,001	m3	ZAHORRA ARTIFICIAL i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO.	18,19 €	130.512,387	2.374.020,32 €

PRESUPUESTO

2	202,002	t	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	71,18 €	19.872,692	1.414.538,22 €
3	513,001	m3	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO.	21,81 €	185.293,161	4.041.243,84 €
4	530,001	t	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN.	13,03 €	13.297,959	173.272,41 €
5	530,002	t	EMULSIÓN C50BF5 IMP EN RIEGO DE IMPRIMACIÓN, BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	356,97 €	293,691	104.838,88 €
6	531,002	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	369,70 €	1.940,187	717.287,13 €
7	531,004	t	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.	447,59 €	537,161	240.427,89 €
8	542,001	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S (S-12 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	26,50 €	36.998,565	980.461,97 €
9	542,006	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN D (D-20 INTERMEDIA), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	26,51 €	176.900,788	4.689.639,89 €
10	542,01	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE G (G-25 BASE), EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.	26,47 €	158.113,935	4.185.275,86 €
11	543,002	m2	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B (M-10) EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.	1,93 €	657.973,333	1.269.888,53 €
12	215,003	t	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.	540,00 €	2.171,312	1.172.508,48 €
13	211,004	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	480,00 €	11.383,890	5.464.267,20 €
14	211,005	t	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.	480,00 €	5.734,978	2.752.789,44 €
15	542,011	t	POLVO MINERAL O CARBONATO (TRICALSA O SIMILAR) EMPLEADO COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLANTA.	49,27 €	20.970,987	1.033.240,53 €
16	332.N070	m³	RELLENO CON MATERIAL IMPERMEABLE PROCEDENTE DE CANTERA O PRÉSTAMO, INCLUSO SUMINISTRO, NIVELACIÓN Y COMPACTACIÓN, TOTALMENTE TERMINADO	3,43 €	102.435,200	351.352,74 €

PRESUPUESTO

17	555.N001	m²	GEOMALLA DE DE MULTIFILAMENTOS DE POLIÉSTER CON RECUBRIMIENTO BITUMINOSO Y GEOTEXTIL NO TEJIDO ADHERIDO PARA EL REFUERZO DE FIRMES ASFÁLTICOS, CON PESO NO INFERIOR A 270 G/M2, CON RESISTENCIA MÍNIMA A TRACCIÓN DE 50 KN/M, DE ANCHURA MÍNIMA DE 1 M.	4,94 €	13.477,092	66.576,83 €
18	542,002	t	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 SURF S (S-20 RODADURA), EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.	26,13 €	3.628,183	94.804,42 €
TOTAL 04						31.126.434,58 €

CAPÍTULO 05 ESTRUCTURAS3.178.489,47 €

SUBCAPÍTULO 05.01 PASOS SUPERIORES1.619.200,00 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	699,0001	m²	PASO SUPERIOR DE VIGAS PREFABRICADAS TIPO ARTESA	800,00 €	2.024,000	1.619.200,00 €
TOTAL 05.01						1.619.200,00 €

SUBCAPÍTULO 05.02 PASOS INFERIORES247.547,64 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	29,028	1.501,33 €
2	610,007	m3	HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	100,87 €	733,007	73.938,42 €
3	600,001	kg	ACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	0,94 €	82.310,100	77.371,49 €
4	680,003	m2	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	31,77 €	548,696	17.432,07 €
5	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	483,766	12.723,05 €
6	694.N200	m	JUNTAS DE DILATAACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.	30,00 €	24,560	736,80 €
7	681,001	m3	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.	11,14 €	1.490,800	16.607,51 €

PRESUPUESTO

8	690,005	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS...) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.	25,66 €	730,206	18.737,09 €
9	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	1.247,476	8.270,77 €
10	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	1.340,686	14.667,10 €
11	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	63,200	837,40 €
12	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	452,946	4.656,28 €
13	417,002	m	TUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.	10,29 €	6,640	68,33 €
TOTAL 05.02247.547,64 €						

SUBCAPÍTULO 05.03 MUROS1.311.741,83 €

05.03.01 MUROS DE SUELO REFORZADO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	630,001	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS H<=6 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	137,90 €	1.758,780	242.535,76 €

PRESUPUESTO

2	630,002	m2	MURO DE ESCAMAS PREFABRICADAS DE HORMIGÓN Y ARMADURAS DE ACERO GALVANIZADO O SINTÉTICAS 6 m < H <= 12 m i/ HORMIGÓN DE REGLAJE, JUNTAS, FLEJES, P.P. DE RELLENO DE SUELO REFORZADO Y CIMENTACIÓN.	165,47 €	112,640	18.638,54 €
3	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	2.432,800	16.129,46 €
TOTAL 05.03.01277.303,76 €						

05.03.02 MUROS DE HORMIGÓN IN SITU

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	610,001	m3	HORMIGÓN DE LIMPIEZA HL-150 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.	51,72 €	227,405	11.761,39 €
2	610,007	m3	HORMIGÓN PARA ARMAR HA-30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.	100,87 €	2.655,259	267.835,98 €
3	600,001	kg	ACERO EN BARRAS CORRUGADAS B 500 S COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.	0,94 €	196.098,450	184.332,54 €
4	694.N200	m	JUNTAS DE DILATACION ENTRE ELEMENTOS DE HORMIGÓN, INCLUYENDO TODOS LOS MEDIOS MATERIALES Y HUMANOS Y OPERACIONES NECESARIAS PARA SU CORRECTA EJECUCIÓN.	30,00 €	128,280	3.848,40 €
5	680,003	m2	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFrado, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	31,77 €	2.202,080	69.960,08 €
6	680,001	m2	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFrado i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.	26,30 €	3.057,464	80.411,30 €

PRESUPUESTO

7	690,005	m2	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS...) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.	25,66 €	3.366,760	86.391,06 €
8	321,001	m3	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN CUALQUIER TIPO DE TERRENO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 10 km.	6,63 €	11.307,396	74.968,04 €
9	332,006	m3	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).	10,94 €	7.773,913	85.046,61 €
10	424,002	m	TUBO DE PVC DE DIÁMETRO 150 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.	13,25 €	740,100	9.806,33 €
11	693.N010	m²	Lámina drenante geocompuesta para trasdós de muros y hastiales	10,28 €	3.366,760	34.610,29 €
12	417,002	m	TUBO DE PVC DE DIÁMETRO 100 mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.	10,29 €	172,600	1.776,05 €
TOTAL 05.03.02						910.748,07 €

05.03.03 PANTALLA DE MICROPILOTES

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	678.N810	m²	PANTALLA DE MICROPILOTES DE Ø 250MM	155,00 €	798,000	123.690,00 €
TOTAL 05.03.03						123.690,00 €

CAPÍTULO 06 SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS	10.077.870,00 €
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PRESUPUESTO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	701.N910	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN TRONCO	230,00 €	21.696,000	4.990.080,00 €
2	701.N920	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN RAMALES	130,00 €	32.864,500	4.272.385,00 €
3	701.N930	m	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS EN CAMINOS	85,00 €	9.593,000	815.405,00 €
TOTAL 06						10.077.870,00 €

CAPÍTULO 07 INTEGRACIÓN AMBIENTAL	5.931.935,75 €
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NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	801.N910	ud	PAISAJISMO	830.000,00 €	1,000	830.000,00 €
2	801.N920	m²	COLOCACIÓN DE PANTALLAS ACÚSTICAS FONOABSORBENTES	219,75 €	23.217,000	5.101.935,75 €
TOTAL 07						5.931.935,75 €

CAPÍTULO 08 OBRAS COMPLEMENTARIAS	810.314,32 €
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NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	915,001	m	CERRAMIENTO DE 1,5 M DE ALTURA COMPUESTO POR POSTES METÁLICOS CADA 3 M, ARRIOSTRAMIENTO CADA 30 M Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN i/ PARTE PROPORCIONAL DE CIMIENTOS, TOTALMENTE COLOCADO. EXCEPTO PUERTAS.	17,44 €	45.822,538	799.145,06 €
2	915,002	ud	PUERTA PARA CERRAMIENTO DE UNA HOJA, TOTALMENTE COLOCADA.	242,81 €	46,000	11.169,26 €
TOTAL 08						810.314,32 €

CAPÍTULO 09 DESVÍOS PROVISIONALES	1.650.000,00 €
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NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	901.N010	ud	DESVÍOS PROVISIONALES	1.650.000,00 €	1,000	1.650.000,00 €
TOTAL 09						1.650.000,00 €

CAPÍTULO 10 SERVICIOS AFECTADOS	8.483.502,96 €
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SUBCAPÍTULO 10.01 LÍNEAS ELÉCTRICAS	3.716.448,71 €
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10.01.01 ADIF

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1063.N01	m	LINEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	252,62 €	801,140	202.383,99 €

PRESUPUESTO

2	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	20,87 €	783,880	16.359,58 €
3	1070.N03	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE ALTA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	26,99 €	103,910	2.804,53 €
4	1069.N04	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 33/66 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	279,25 €	133,330	37.232,40 €
5	1068.N04	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 6 CONDUCTOS DE PE DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	93,92 €	133,330	12.522,35 €
TOTAL 10.01.01						271.302,85 €

10.01.02 IBERDROLA

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1063.N01	m	LÍNEA ELECTRICA AEREA DE ALTA TENSION DE HASTA 66 KV, INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	252,62 €	5.727,380	1.446.850,74 €
2	1062.N01	m	LÍNEA ELECTRICA AEREA DE MEDIA TENSION DE 12 KV (1 CIRCUITO), INCLUSO PARTE PROPORCIONAL DE APOYOS Y HERRAJES, CIMENTACIONES, FIJACIONES Y ANCLAJES, AISLADORES, PUESTAS A TIERRA, CABLEADO, CONEXIONES Y ELEMENTOS AUXILIARES, PRUEBAS Y ENSAYOS, PROYECTO, TRAMITACION, LEGALIZACION Y DIRECCION DE OBRA PERTINENTE, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. COMPLETAMENTE TERMINADA.	105,86 €	7.718,420	817.071,94 €
3	1064.N02	m	DESMONTAJE DE INSTALACIÓN AÉREA DE MEDIA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	15,53 €	9.138,180	141.915,94 €

PRESUPUESTO

4	1067.N08	m	CANALIZACIÓN PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y P	46,17 €	4.046,780	186.839,83 €
5	1068.N08	m	CANALIZACIÓN HORMIGONADA PARA LÍNEA ELÉCTRICA SOTERRADA DE BAJA/MEDIA TENSIÓN FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 160 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	51,55 €	334,020	17.218,73 €
6	1073.N21	ud	TRASLADO DE CENTRO DE TRANSFORMACIÓN A LA INTEMPERIE SOBRE POSTES DE HASTA 250 KVA	11.500,00 €	1,000	11.500,00 €
7	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	69,93 €	10,110	706,99 €
8	1069.N02	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE MEDIA TENSIÓN (12 KV), INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE HASTA 12/20 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	67,16 €	6.523,830	438.140,42 €
9	1069.N01	m	SUMINISTRO E INSTALACIÓN EN ZANJA O TUBULAR DE 1 CIRCUITO DE LÍNEA ELÉCTRICA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE EMPALMES, EQUIPOS DE MEDIDA, CONDUCTORES AISLADOS DE 0,6/1 KV, MATERIAL AUXILIAR, MONTAJE, PROYECTO, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS, Y CONEXIÓN. COMPLETAMENTE INSTALADO Y EN FUNCIONAMIENTO.	27,37 €	724,120	19.819,16 €
10	1073.N07	Nº	CENTRO DE TRANSFORMACION A LA INTEMPERIE CON POTENCIA NOMINAL DE 100 KVA Y APARAMENTA EN EL MISMO APOYO, INCLUSO APOYO Y ESTRUCTURA DE SOPORTE, TRANSFORMADOR DE INTEMPERIE, EQUIPOS DE SEGURIDAD Y PROTECCIÓN, RED DE TIERRA, TERMINALES Y CABLEADO, INDICADORES DE TENSIÓN, SEÑALIZACIÓN DE PELIGRO Y PRIMEROS AUXILIOS, ELEMENTOS ACCESORIOS, MONTAJE Y CONEXIONADO, PRUEBAS Y ENSAYOS, ASÍ COMO P.P. DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA. TOTALMENTE TERMINADO Y EN FUNCIONAMIENTO	9.600,00 €	1,000	9.600,00 €

PRESUPUESTO

Página 127

11	1064.N03	m	DESMONTAJE DE INSTALACIÓN AÉREA DE ALTA TENSIÓN (HASTA 66 KV), INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	20,87 €	5.525,610	115.319,48 €
12	1070.N01	m	DESMONTAJE DE INSTALACIÓN SOTERRADA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	11,19 €	316,940	3.546,56 €
13	1066.N03	Nº	TORRE METÁLICA CELOSIA HASTA C-2000/20. INCLUYE SUMINISTRO, IZADO, ARMADO, AMARRES, PUESTA A TIERRA, OBRA CIVIL DE INSTALACIÓN, TOMA DE TIERRA, ASÍ COMO PARTE PROPORCIONAL DE DIRECCIÓN DE OBRA, LEGALIZACIONES, DESCARGOS Y REALIZACIÓN DE PROYECTO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA POR LA COMPAÑÍA PROPIETARIA DE LA INSTALACIÓN	4.561,81 €	0,000	0,00 €
14	1064.N01	m	DESMONTAJE DE INSTALACIÓN AÉREA DE BAJA TENSIÓN, INCLUSO PARTE PROPORCIONAL DE APOYOS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO	4,26 €	411,600	1.753,42 €
15	1080.N01	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERIA DE Ø500 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERIA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERIA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	935,00 €	251,190	234.862,65 €
TOTAL 10.01.02						3.445.145,86 €

SUBCAPÍTULO 10.02 GASODUCTOS31.234,74 €

10.02.01 ENAGAS

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	30,00 €	26,100	783,00 €
TOTAL 10.02.01						783,00 €

10.02.02 NEDGIA GAS NATURAL

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	30,00 €	70,716	2.121,48 €

PRESUPUESTO

Página 128

2	1039.N10	M	REPOSICIÓN DE TUBERÍA DE POLIETILENO DE ALTA DENSIDAD DE DN= 200 MM PARA PN= 6 ATM PARA ABASTECIMIENTO, INCLUSO PARTE PROPORCIONAL DE UNIÓNES, PIEZAS ESPECIALES Y CONEXIONES, DESMONTAJE DE TUBERÍA EXISTENTE, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	48,95 €	154,800	7.577,46 €
3	1042.N12	m	REPOSICIÓN DE CONDUCCIÓN DE GASEODUCTO DE 6 PULGADAS DE ACERO PARA ALTA PRESIÓN A, INCLUSO EXCAVACIÓN, COMPACTACIÓN Y RELLENO, ARQUETAS, UNIONES, ELEMENTOS MECÁNICOS, PRUEBAS DE FUNCIONAMIENTO, TRAMITACIÓN, LEGALIZACIÓN, DIRECCIÓN DE OBRA Y TODAS LAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	686,27 €	30,240	20.752,80 €
TOTAL 10.02.02						30.451,74 €

SUBCAPÍTULO 10.03 OLEODUCTOS4.140,03 €

10.03.01 COMPAÑÍA LOGÍSTICA DE HIDROCARBUROS (CLH)

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1042.N51	m²	REFUERZO DE OLEODUCTO O GASEODUCTO EXISTENTE MEDIANTE LOSA DE HORMIGÓN ARMADO, INCLUSO EXCAVACIÓN, RELLENO Y CUALQUIER OTRA OPERACIÓN NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	30,00 €	138,001	4.140,03 €
TOTAL 10.03.01						4.140,03 €

SUBCAPÍTULO 10.04 TELECOMUNICACIONES3.018.551,28 €

10.04.01 MOVISTAR

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA	8,57 €	4.688,620	40.181,47 €
2	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	42,19 €	4.452,080	187.833,26 €

PRESUPUESTO

Página 129

3	1026.N13	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
4	1022.N06	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA TELEFÓNICA (SUPERIOR A 1200 PARES), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	47,61 €	207,350	9.871,93 €
5	1021.N03	m	LÍNEA TELEFÓNICA AÉREA (SUPERIOR A 200 PARES), INCLUSO PARTE PROPORCIONAL DE APOYOS, FIJACIONES Y ANCLAJES, PRUEBAS Y ENSAYOS, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA	57,98 €	4.613,015	267.462,61 €
6	610,002	m3	HORMIGÓN EN MASA HM-20 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.	33,34 €	892,205	29.746,11 €
7	1080.N02	m	PERFORACIÓN HORIZONTAL DIRIGIDA EN HINCA DE TUBERÍA DE Ø400 MM, EN CRUCE DE PLATAFORMA VIARIA, INCLUSO TUBERÍA HA Ø 500 MM , TRANSPORTE DE MAQUINARIA, EXCAVACION, EXTRACCIÓN, TRANSPORTE A VERTEDERO, DESCENSO, DISPOSICION Y EMPUJE, AGOTAMIENTO, SELLADO DE JUNTAS, INYECCIÓN DE LUBRICACIÓN DEL TRASDOS DE LA TUBERÍA, P.P DE LOS POZOS DE ATAQUE, Y DEMÁS OPERACIONES, TOTALMENTE TERMINADO, INCLUSO REPOSICIONES DE EXCAVACIONES Y TALUDES AFECTADOS	69,93 €	2,608	182,38 €
TOTAL 10.04.01				821,40 €	76,770	63.058,88 €
						598.336,64 €

10.04.02 CORREOS TELECOM

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1025.N13	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.	42,19 €	24.378,810	1.028.541,99 €

PRESUPUESTO

Página 130

2	1026.N13	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 4 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
3	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA	47,61 €	629,230	29.957,64 €
4	1024.N04	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (SUPERIOR A 48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	8,57 €	21.605,670	185.160,59 €
				41,86 €	28.106,890	1.176.554,42 €
TOTAL 10.04.02						2.420.214,64 €

SUBCAPÍTULO 10.05 RIEGO50.000,00 €

10.05.01 CONFEDERACIÓN HIDROGRÁFICA DUERO

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1076.N01	PAJ	PAJ MEDIANTE FACTURA DESTINADA A SSAA RIEGO INCLUSO EXCAVACIÓN DE ZANJA, RELLENO, COMPACTACIÓN Y ASIENTO DE CAMA, EJECUCIÓN DE ARQUETAS DE 2x2 CON ARENERO DE 0.50 MTS, VÁLVULA DE 250 MM PARA DESAGÜE Y TODAS AQUELLAS OPERACIONES NECESARIAS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA	50.000,00 €	1,000	50.000,00 €
TOTAL 10.05.01						50.000,00 €

SUBCAPÍTULO 10.06 STI1.573.128,20 €

10.06.01 DGT VALLADOLID

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
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PRESUPUESTO

1	1025.N11	M	CANALIZACIÓN PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, CAMA DE ASIENTO, RELLENO Y COMPACTACIÓN, ELEMENTOS DE SEÑALIZACIÓN Y PROTECCIÓN, Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
2	1026.N11	M	CANALIZACIÓN HORMIGONADA PARA INSTALACIÓN ELÉCTRICA DE BT O DE TELECOMUNICACIONES SOTERRADA FORMADA POR 2 CONDUCTOS DE PVC DE DIÁMETRO 110 MM, INCLUSO PARTE PROPORCIONAL DE ARQUETAS, TUBOS, SEPARADORES, EXCAVACIÓN DE LA ZANJA, PRISMA DE HORMIGÓN EN MASA, RELLENO Y COMPAC	29,24 €	16.269,930	475.732,75 €
3	1024.N03	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (24-48 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADO	33,55 €	912,690	30.620,75 €
4	1024.N01	m	SUMINISTRO E INSTALACIÓN EN CANALIZACIÓN DE LÍNEA DE FIBRA ÓPTICA (INFERIOR A 16 FO), INCLUSO PARTE PROPORCIONAL DE EMPALMES, CABLEADO, MATERIAL AUXILIAR, MONTAJE Y CONEXIÓN, TRAMITACIÓN, LEGALIZACIÓN Y DIRECCIÓN DE OBRA PERTINENTE, PRUEBAS Y ENSAYOS. COMPLETAMENTE INSTALADA	31,45 €	28.363,800	892.041,51 €
5	1029.N02	m	REMOCIÓN DE INSTALACIÓN SOTERRADA TELEFÓNICA O DE FO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN DE ARQUETAS Y RESTO DE ELEMENTOS, CARGA Y TRANSPORTE A ALMACÉN O VERTEDERO. TRABAJO REALIZADO POR EMPRESA HOMOLOGADA CON SUPERVISIÓN DE PERSONAL DE LA COMPAÑÍA	18,50 €	844,460	15.622,51 €
6	1074.N01	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X6 MM2	8,57 €	13.084,317	112.132,60 €
7	1074.N02	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X6 MM2	1,82 €	133,460	242,90 €
8	1074.N03	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 4X10 MM2	3,77 €	91,130	343,56 €
9	1074.N04	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X25 MM2	6,75 €	498,600	3.365,55 €
10	1075.N01	ud	REUBICACIÓN DE CÁMARA TV INSTALADA SOBRE BÁCULO DE 12 M. DE ALTURA, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.	9,75 €	853,090	8.317,63 €
11	1074.N05	m	CABLE CONDUCTOR DE COBRE DE DIMENSIONES 2X35 MM2	315,00 €	1,000	315,00 €
				11,23 €	1.101,820	12.373,44 €

PRESUPUESTO

12	1075.N06	ud	REUBICACIÓN DE ARMARIO DE ACOMETIDAS Y PROTECCIONES, INCLUIDO PARTE PROPORCIONAL DE OBRA CIVIL, CONEXIONES, EMPALMES, PRUEBAS Y TODAS LAS OPERACIONES NECESARIAS PARA EL CORRECTO FUNCIONAMIENTO DE LA INSTALACIÓN.			
13	931.N001	ud	ESPIRA SIMPLE DETECTORA DE AFOROS	1.000,00 €	1,000	1.000,00 €
14	931.N002	ud	ESPIRA DOBLE DETECTORA DE AFOROS	220,00 €	11,000	2.420,00 €
15	301.N210	ud	DESMONTAJE Y POSTERIOR TRASLADO A ALMACEN DE PORTICO DE SEÑALIZACION	440,00 €	20,000	8.800,00 €
				9.800,00 €	1,000	9.800,00 €
TOTAL 10.06.01						1.573.128,20 €

SUBCAPÍTULO 10.07 ABASTECIMIENTO 90.000,00 €

10.07.01 EXCMO. AYTO. CIGALES

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	1090.N01	PAJ	PARTIDA ALZADA A JUSTIFICAR MEDIANTE FACTURA DESTINADA A REPOSICIÓN DE ESTACIÓN DE BOMBEO EXISTENTE CON TODOS LOS ELEMENTOS ASOCIADOS AL MISMO, INCLUSO PARTE PROPORCIONAL DE DEMOLICIÓN INSTALACIONES EXISTENTES, DESMONTAJE DE ELEMENTOS EXISTENTES ASOCIADOS AL BOMBEO Y A LA INSTALACIÓN DE TELECONTROL, EJECUCIÓN DE EXCAVACIÓN, CAMAS DE ASIENTO, CIMENTACIONES, ARMADURAS, HORMIGONADOS, RELLENOS Y COMPACTACIÓN Y CERRAMIENTOS, ADEMÁS DE NUEVA INSTALACIÓN DE BOMBEO, INCLUSO BOMBAS, CUADROS DE MANIOBRA Y PROTECCIÓN, PIEZAS ESPECIALES, UNIONES Y CONEXIONES, Y EJECUCIÓN DE NUEVA INSTALACIÓN DE TELECONTROL POR RADIO, INCLUYENDO COLOCACIÓN Y PRUEBAS, PROYECTO DE REPOSICIÓN Y TODAS LAS OPERACIONES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA			
				90.000,00 €	1,000	90.000,00 €
TOTAL 10.07.01						90.000,00 €

CAPÍTULO 11 VARIOS 4.030.000,00 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	990.N010	ud	IMPREVISTOS	4.000.000,00 €	1,000	4.000.000,00 €
2	991.N001	PAI	PARTIDA ALZADA DE ABONO ÍNTEGRO PARA LA AUDITORÍA DE SEGURIDAD Y VIAL Y PUESTA EN SERVICIO			
				30.000,00 €	1,000	30.000,00 €
TOTAL 11						4.030.000,00 €

CAPÍTULO 12 SEGURIDAD Y SALUD 415.000,00 €

NUM	CODIGO	UD	DESCRIPCIÓN	PRECIO	MEDICIÓN	IMPORTE
1	990.N020	ud	ESTUDIO DE SEGURIDAD Y SALUD	415.000,00 €	1,000	415.000,00 €
TOTAL 12						415.000,00 €

3.2. PRESUPUESTOS GENERALES.

RESUMEN DESGLOSADO DE PRESUPUESTO

01.CAPÍTULO DEMOLICIONES		3.363.974,46 €
02.CAPÍTULO EXPLANACIONES		11.786.420,33 €
02.01.SUBCAPÍTULO MOVIMIENTO DE TIERRAS		11.758.583,31 €
02.02.SUBCAPÍTULO CAMPAÑA GEOTÉCNICA		27.837,02 €
03.CAPÍTULO DRENAJE		10.653.145,79 €
03.01.SUBCAPÍTULO DRENAJE LONGITUDINAL		2.533.974,83 €
03.02.SUBCAPÍTULO DRENAJE TRANSVERSAL		8.119.170,96 €
03.02.01.ODT 98+130 MD		69.454,43 €
03.02.01.01.ENTRADA		14.982,28 €
03.02.01.02.CUERPO		42.617,60 €
03.02.01.03.SALIDA		11.854,55 €
03.02.02.ODT 98+130		296.329,28 €
03.02.02.01.ENTRADA		20.653,91 €
03.02.02.02.CUERPO		261.310,08 €
03.02.02.03.SALIDA		14.365,29 €
03.02.03.ODT 99+400		192.210,79 €
03.02.03.01.ENTRADA		10.145,95 €
03.02.03.02.CUERPO		171.243,63 €
03.02.03.03.SALIDA		10.821,21 €
03.02.04.ODT 100+675		218.602,83 €
03.02.04.01.ENTRADA		17.248,71 €
03.02.04.02.CUERPO		186.840,31 €
03.02.04.03.SALIDA		14.513,81 €
03.02.05.ODT 100+675 MI		58.319,48 €
03.02.05.01.ENTRADA		14.671,69 €
03.02.05.02.CUERPO		25.477,54 €
03.02.05.03.SALIDA		18.170,25 €
03.02.06.ODT 101+168 MD		25.977,58 €
03.02.06.01.ENTRADA		5.072,10 €
03.02.06.02.CUERPO		16.830,59 €
03.02.06.03.SALIDA		4.074,89 €
03.02.07.ODT 101+168		88.762,42 €

03.02.07.01.ENTRADA	4.637,28 €	
03.02.07.02.CUERPO	78.525,29 €	
03.02.07.03.SALIDA	5.599,85 €	
03.02.08.ODT 101+168 MI		16.908,35 €
03.02.08.01.ENTRADA	3.978,32 €	
03.02.08.02.CUERPO	7.978,33 €	
03.02.08.03.SALIDA	4.951,70 €	
03.02.09.ODT 103+933		537.089,05 €
03.02.09.01.ENTRADA	92.460,09 €	
03.02.09.02.CUERPO	436.602,20 €	
03.02.09.03.SALIDA	8.026,76 €	
03.02.10.ODT 105+117 MD		104.648,86 €
03.02.10.01.ENTRADA	19.312,92 €	
03.02.10.02.CUERPO	70.330,91 €	
03.02.10.03.SALIDA	15.005,03 €	
03.02.11.ODT 105+117		267.296,80 €
03.02.11.01.ENTRADA	17.086,64 €	
03.02.11.02.CUERPO	231.598,93 €	
03.02.11.03.SALIDA	18.611,23 €	
03.02.12.ODT 105+117 MI		70.226,82 €
03.02.12.01.ENTRADA	15.419,55 €	
03.02.12.02.CUERPO	35.454,61 €	
03.02.12.03.SALIDA	19.352,66 €	
03.02.13.ODT 106+200		199.317,57 €
03.02.13.01.ENTRADA	13.693,59 €	
03.02.13.02.CUERPO	175.857,40 €	
03.02.13.03.SALIDA	9.766,58 €	
03.02.14.ODT 106+800		215.057,38 €
03.02.14.01.ENTRADA	8.879,40 €	
03.02.14.02.CUERPO	196.978,23 €	
03.02.14.03.SALIDA	9.199,75 €	
03.02.15.ODTE 21		12.961,18 €
03.02.15.01.ENTRADA	5.095,00 €	
03.02.15.02.CUERPO	7.866,18 €	
03.02.15.03.SALIDA	0,00 €	
03.02.16.ODT 107+051		133.861,38 €
03.02.16.01.ENTRADA	6.589,95 €	
03.02.16.02.CUERPO	119.240,20 €	
03.02.16.03.SALIDA	8.031,23 €	
03.02.17.ODT 108+150		132.545,22 €
03.02.17.01.ENTRADA	6.967,65 €	
03.02.17.02.CUERPO	115.372,60 €	
03.02.17.03.SALIDA	10.204,97 €	
03.02.18.ODT 108+660		136.237,46 €

03.02.18.01.ENTRADA	7.947,82 €	
03.02.18.02.CUERPO	119.001,10 €	
03.02.18.03.SALIDA	9.288,54 €	
03.02.19.ODT 112+431 MD		118.286,74 €
03.02.19.01.ENTRADA	20.116,84 €	
03.02.19.02.CUERPO	78.181,20 €	
03.02.19.03.SALIDA	19.988,70 €	
03.02.20.ODT 112+431		350.460,24 €
03.02.20.01.ENTRADA	41.826,31 €	
03.02.20.02.CUERPO	285.526,19 €	
03.02.20.03.SALIDA	23.107,74 €	
03.02.21.ODT 113+260		99.209,84 €
03.02.21.01.ENTRADA	6.497,52 €	
03.02.21.02.CUERPO	84.251,69 €	
03.02.21.03.SALIDA	8.460,63 €	
03.02.22.ODT 0+910		27.996,46 €
03.02.22.01.ENTRADA	4.301,85 €	
03.02.22.02.CUERPO	20.482,97 €	
03.02.22.03.SALIDA	3.211,64 €	
03.02.23.ODT 1+189		27.310,50 €
03.02.23.01.ENTRADA	5.920,54 €	
03.02.23.02.CUERPO	17.328,40 €	
03.02.23.03.SALIDA	4.061,56 €	
03.02.24.ODT 1+698		28.074,23 €
03.02.24.01.ENTRADA	3.668,08 €	
03.02.24.02.CUERPO	21.129,30 €	
03.02.24.03.SALIDA	3.276,85 €	
03.02.25.ODT 113+717		73.336,29 €
03.02.25.01.ENTRADA	6.163,20 €	
03.02.25.02.CUERPO	62.515,93 €	
03.02.25.03.SALIDA	4.657,16 €	
03.02.26.ODT 2+200		23.658,03 €
03.02.26.01.ENTRADA	4.973,99 €	
03.02.26.02.CUERPO	14.308,71 €	
03.02.26.03.SALIDA	4.375,33 €	
03.02.27.ODT 114+514		672.640,44 €
03.02.27.01.ENTRADA	34.418,66 €	
03.02.27.02.CUERPO	606.931,67 €	
03.02.27.03.SALIDA	31.290,11 €	
03.02.28.ODTE 59		61.701,22 €
03.02.28.01.ENTRADA	8.516,99 €	
03.02.28.02.CUERPO	53.184,23 €	
03.02.28.03.SALIDA	0,00 €	
03.02.29.ODT 115+726		889.650,54 €

03.02.29.01.ENTRADA	41.821,38 €	
03.02.29.02.CUERPO	840.504,23 €	
03.02.29.03.SALIDA	7.324,93 €	
03.02.31.ODT 0+144		30.642,67 €
03.02.31.01.ENTRADA	4.578,24 €	
03.02.31.02.CUERPO	21.191,33 €	
03.02.31.03.SALIDA	4.873,10 €	
03.02.32.ODT 117+575		147.406,69 €
03.02.32.01.ENTRADA	6.521,83 €	
03.02.32.02.CUERPO	126.941,42 €	
03.02.32.03.SALIDA	13.943,44 €	
03.02.33.ODT 0+245		97.309,54 €
03.02.33.01.ENTRADA	5.620,68 €	
03.02.33.02.CUERPO	87.765,62 €	
03.02.33.03.SALIDA	3.923,24 €	
03.02.34.ODT 118+539 MD		188.604,27 €
03.02.34.01.ENTRADA	11.913,22 €	
03.02.34.02.CUERPO	176.691,05 €	
03.02.34.03.SALIDA	0,00 €	
03.02.35.ODT 119+179		131.136,17 €
03.02.35.01.ENTRADA	5.466,46 €	
03.02.35.02.CUERPO	119.842,26 €	
03.02.35.03.SALIDA	5.827,45 €	
03.02.36.ODT 0+100		17.962,66 €
03.02.36.01.ENTRADA	3.052,33 €	
03.02.36.02.CUERPO	11.858,00 €	
03.02.36.03.SALIDA	3.052,33 €	
03.02.37.ODT 0+284		34.314,52 €
03.02.37.01.ENTRADA	3.982,25 €	
03.02.37.02.CUERPO	26.350,02 €	
03.02.37.03.SALIDA	3.982,25 €	
03.02.38.ODT 0+130		12.394,95 €
03.02.38.01.ENTRADA	3.052,33 €	
03.02.38.02.CUERPO	6.290,29 €	
03.02.38.03.SALIDA	3.052,33 €	
03.02.39.ODTE 10		7.078,83 €
03.02.39.01.ENTRADA	0,00 €	
03.02.39.02.CUERPO	3.745,13 €	
03.02.39.03.SALIDA	3.333,70 €	
03.02.40.ODT 0+007		28.420,63 €
03.02.40.01.ENTRADA	4.041,27 €	
03.02.40.02.CUERPO	20.338,09 €	
03.02.40.03.SALIDA	4.041,27 €	
03.02.41.ODTE 13		7.551,45 €

03.02.41.01.ENTRADA	3.324,58 €	
03.02.41.02.CUERPO	4.226,87 €	
03.02.41.03.SALIDA	0,00 €	
03.02.42.ODT 0+066		28.377,93 €
03.02.42.01.ENTRADA	4.180,93 €	
03.02.42.02.CUERPO	20.016,07 €	
03.02.42.03.SALIDA	4.180,93 €	
03.02.43.ODT 0+039		40.608,17 €
03.02.43.01.ENTRADA	4.310,76 €	
03.02.43.02.CUERPO	31.986,65 €	
03.02.43.03.SALIDA	4.310,76 €	
03.02.44.CANALIZACIONES		2.199.231,07 €
03.02.44.01.CANALIZACIÓN ODT 106+200 MD-IZQ	32.266,76 €	
03.02.44.02.CANALIZACIÓN ODT 106+200 MD-DCH.	13.409,74 €	
03.02.44.03.CANALIZACIÓN ODT 106+800 MD-IZQ.	13.715,63 €	
03.02.44.04.CANALIZACIÓN ODT 106+800 MD-DRCH.	9.603,61 €	
03.02.44.05.CANALIZACIÓN ODTE 21-IZQ.	5.934,18 €	
03.02.44.06.CANALIZACIÓN ODTE 21-DCH.	11.197,83 €	
03.02.44.07.CANALIZACIÓN ODT 114+514	72.124,22 €	
03.02.44.08.CANALIZACIÓN ODT 117+575	22.829,07 €	
03.02.44.09.CANALIZACIÓN ODT 0+910	24.989,45 €	
03.02.44.10.CANALIZACIÓN ODT 1+189	5.630,82 €	
03.02.44.12.CANALIZACIÓN ODT 115+726-DCH.	1.805.266,95 €	
03.02.44.13.CANALIZACIÓN ODT 117+575	182.262,81 €	
04.CAPÍTULO FIRMES		31.126.434,58 €
05.CAPÍTULO ESTRUCTURAS		3.178.489,47 €
05.01.SUBCAPÍTULO PASOS SUPERIORES		1.619.200,00 €
05.02.SUBCAPÍTULO PASOS INFERIORES		247.547,64 €
05.03.SUBCAPÍTULO MUROS		1.311.741,83 €
05.03.01.MUROS DE SUELO REFORZADO	277.303,76 €	
05.03.02.MUROS DE HORMIGÓN IN SITU	910.748,07 €	
05.03.03.PANTALLA DE MICROPILOTES	123.690,00 €	
06.CAPÍTULO SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS		10.077.870,00 €
07.CAPÍTULO INTEGRACIÓN AMBIENTAL		5.931.935,75 €
08.CAPÍTULO OBRAS COMPLEMENTARIAS		810.314,32 €

09.CAPÍTULO DESVÍOS PROVISIONALES		1.650.000,00 €
10.CAPÍTULO SERVICIOS AFECTADOS		8.483.502,96 €
10.01.SUBCAPÍTULO LÍNEAS ELÉCTRICAS		3.716.448,71 €
10.01.01.ADIF	271.302,85 €	
10.01.02.IBERDROLA	3.445.145,86 €	
10.02.SUBCAPÍTULO GASODUCTOS		31.234,74 €
10.02.01.ENAGAS	783,00 €	
10.02.02.NEDGIA GAS NATURAL	30.451,74 €	
10.03.SUBCAPÍTULO OLEODUCTOS		4.140,03 €
10.03.01.COMPAÑÍA LOGÍSTICA DE HIDROCARBUROS (CLH)	4.140,03 €	
10.04.SUBCAPÍTULO TELECOMUNICACIONES		3.018.551,28 €
10.04.01.MOVISTAR	598.336,64 €	
10.04.02.CORREOS TELECOM	2.420.214,64 €	
10.05.SUBCAPÍTULO RIEGO		50.000,00 €
10.05.01.CONFEDERACIÓN HIDROGRÁFICA DUERO	50.000,00 €	
10.06.SUBCAPÍTULO STI		1.573.128,20 €
10.06.01.DGT VALLADOLID	1.573.128,20 €	
10.07.SUBCAPÍTULO ABASTECIMIENTO		90.000,00 €
10.07.01.EXCMO. AYTO. CIGALES	90.000,00 €	
11.CAPÍTULO VARIOS		4.030.000,00 €
12.CAPÍTULO SEGURIDAD Y SALUD		415.000,00 €

TOTAL PRESUPUESTO DE EJECUCION MATERIAL	91.507.087,66 €
Gastos Generales (13,00%)	11.895.921,40 €
Beneficio Industrial (6,00%)	5.490.425,26 €
TOTAL PRESUPUESTO DE LICITACIÓN	108.893.434,32 €
IVA (21,00%)	22.867.621,21 €
TOTAL PRESUPUESTO DE LICITACIÓN CON IVA	131.761.055,53 €

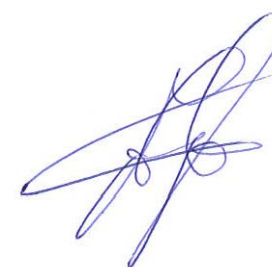
Valladolid, Septiembre de 2019

EL INGENIERO AUTOR
DEL PROYECTO



Fdo. D. Ángel Piedra Sisniega

EL INGENIERO DIRECTOR
DEL PROYECTO



Fdo. D. Agustín M. Corral López