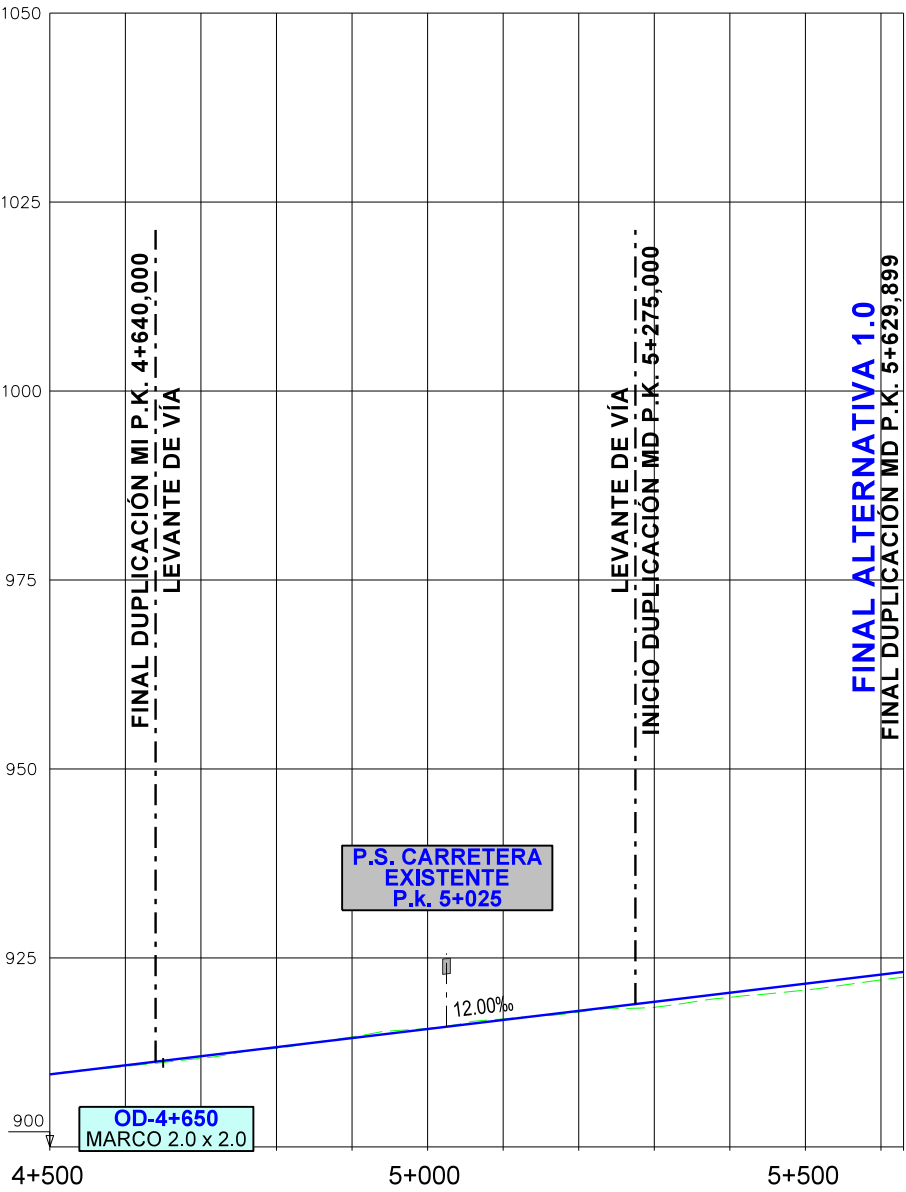
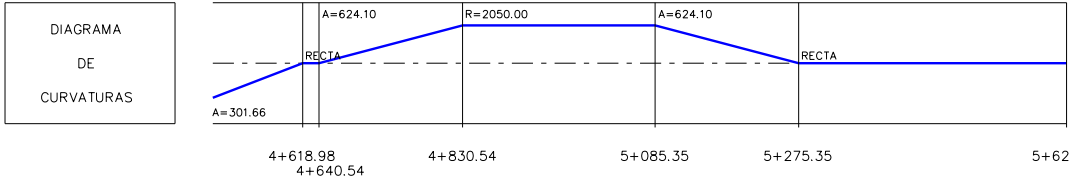


COTAS ROJAS		COTAS	
TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
0.03			875.79 875.823
0.20			875.99 876.188
0.15			876.58 876.738
0.25			877.03 877.288
1.53			876.31 877.838
1.02			877.37 878.388
0.16			878.77 878.938
0.04			879.45 879.488
0.03			880.01 880.038
0.46			880.13 880.888
0.83			880.31 881.138
0.81			880.87 881.688
0.55			881.69 882.248
0.44			882.76 883.196
	0.59		884.99 884.996
0.54			885.06 885.596
0.74			886.06 886.796
1.13			886.87 887.996
0.59			888.61 889.196
0.63			889.77 890.396
0.80			890.80 891.596
0.81			891.98 892.796
0.69			893.30 893.996
0.58			894.62 895.196
0.50			895.90 896.396
	0.29		897.88 897.996
	0.18		898.97 898.796
	0.00		900.00 899.996
	0.44		901.64 901.196
	0.40		902.80 902.396
0.20			903.70 903.596
	0.10		904.90 904.796
	0.02		907.22 907.196
	0.15		908.55 908.396
0.01			909.58 909.596



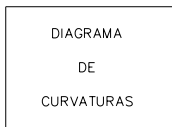
COTAS	COTAS											
	CABEZA CARRIL						TERRENO					
	909.58	909.596					910.65	910.796				
							911.72	911.996				
							913.02	913.196				
							914.55	914.396				
							915.67	915.596				
							916.93	916.796				
							917.83	917.996				
							918.47	919.196				
							919.78	920.396				
							920.74	921.596				
							922.10	922.796				
							922.45	923.155				

COTAS ROJAS	COTAS ROJAS											
	DESMONTE						TERRAPLEN					
	0.01						0.15					
		0.15						0.28				
			0.17						0.13			
				0.07						0.16		
					0.13						0.73	
						0.16						0.82
							0.70					
								0.85				
									0.70			



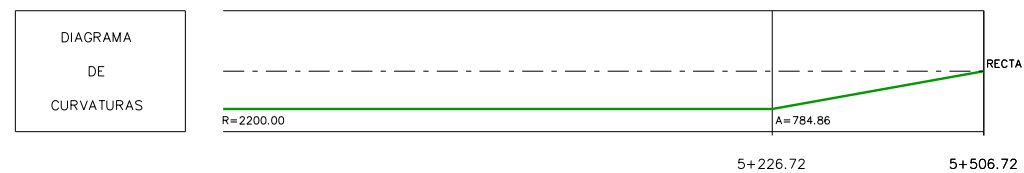


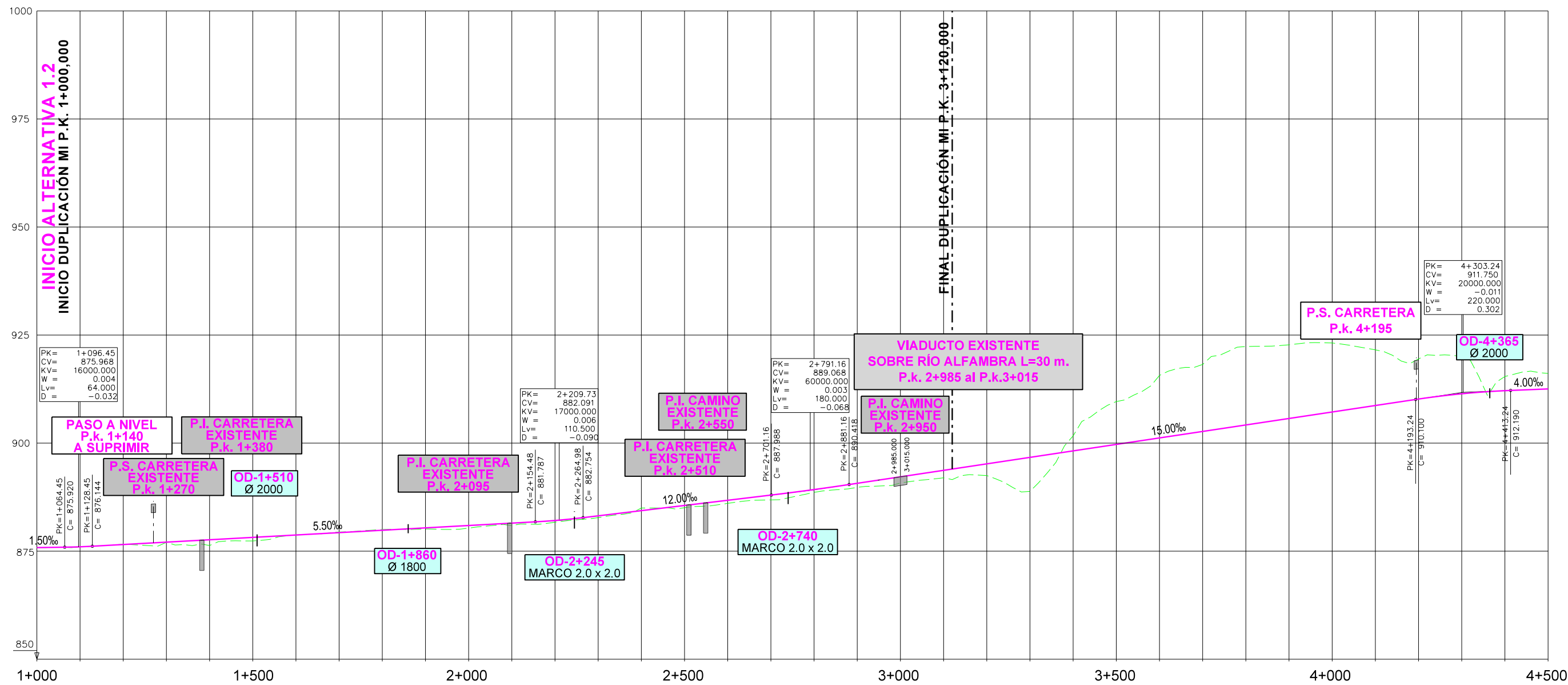
COTAS	CABEZA CARRIL
	TERRENO
COTAS ROJAS	DESMONTE
	TERRAPLEN



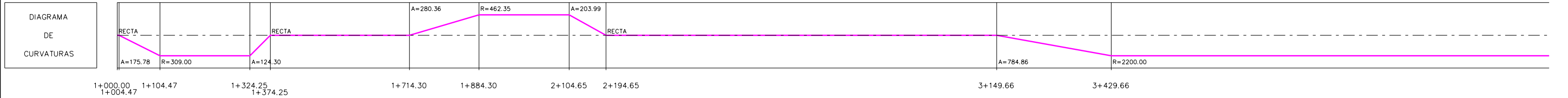


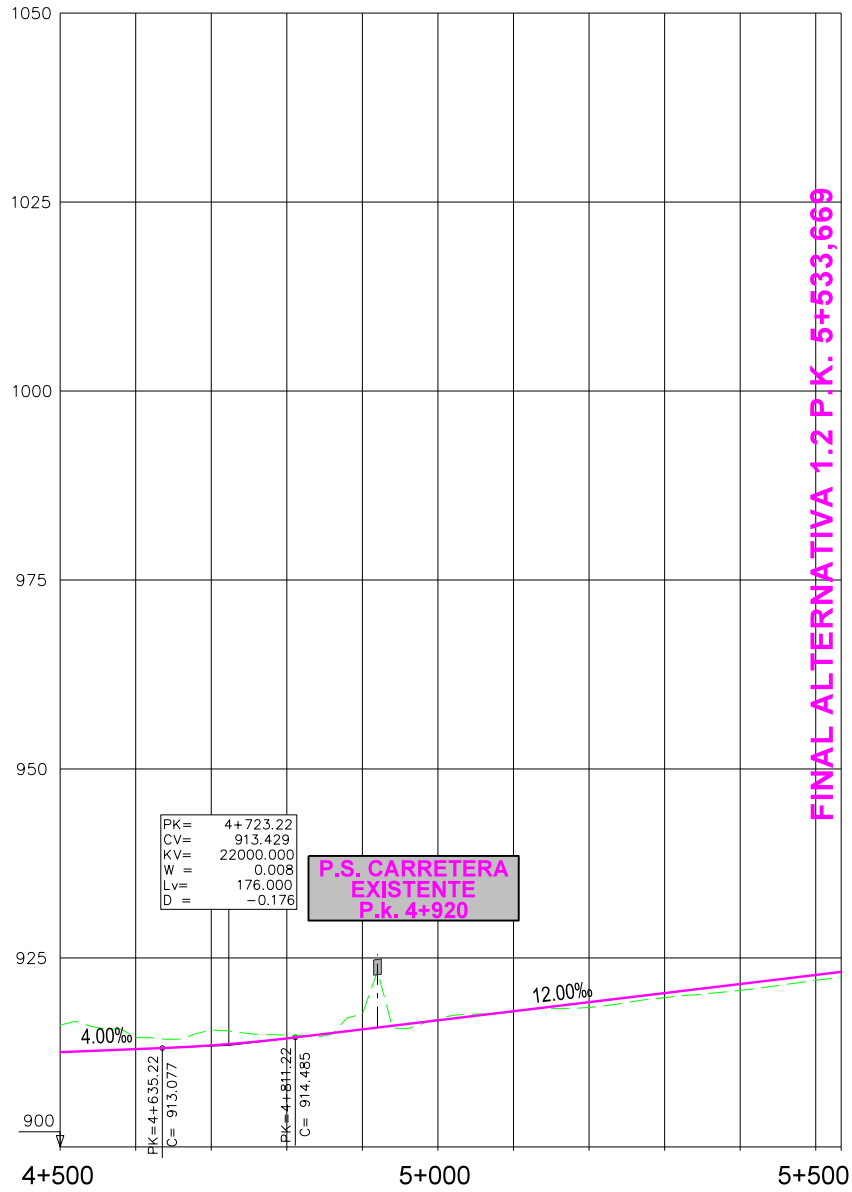
COTAS ROJAS		COTAS	
TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
	4.44	922.28	917.842
	0.35	919.69	919.342
0.93		919.90	920.833
	3.08	924.97	921.892
	5.06	927.34	922.283
1.97		920.16	922.133
2.72		919.21	921.933
2.91		918.82	921.733
1.53		920.06	921.597
0.99		921.03	922.021
0.76		922.37	923.074
		922.45	923.155



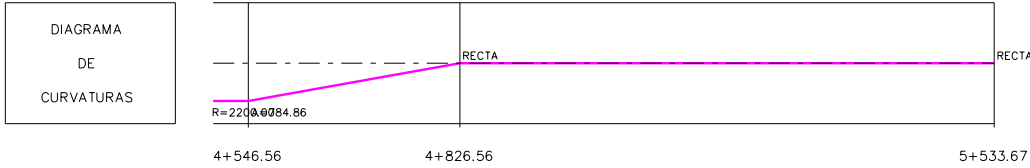


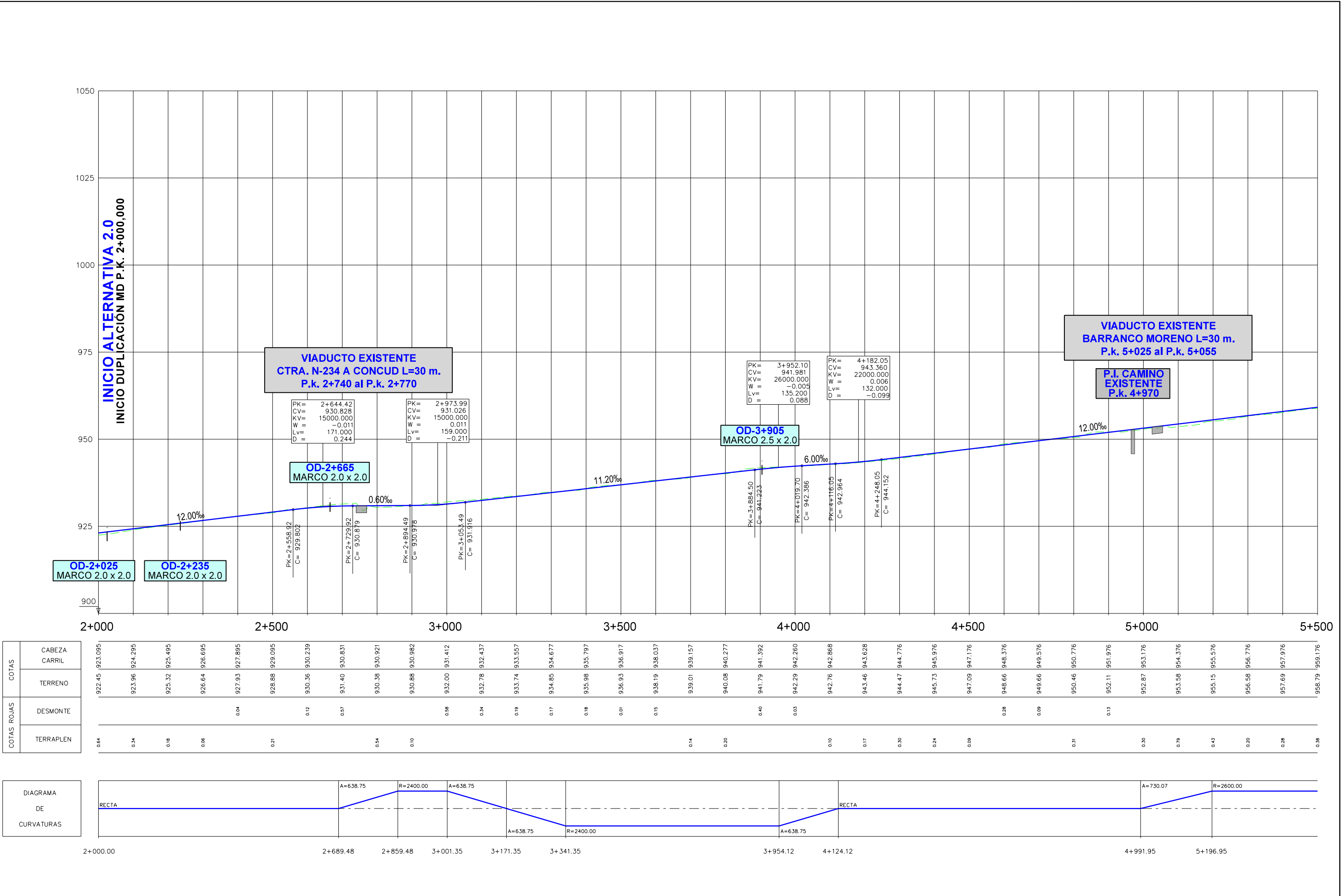
COTAS	COTAS	
	CABEZA CARRIL	TERRENO
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
	875.79	875.823
	875.99	876.013
	876.64	876.538
	877.04	877.088
	876.31	877.638
	877.37	878.188
	878.77	878.738
	879.45	879.288
	880.01	879.838
	880.15	880.388
	880.33	880.938
	880.91	881.488
	881.69	882.038
	882.75	883.174
	884.99	884.374
	885.06	885.574
	886.05	886.774
	886.87	887.974
	888.61	889.256
	889.77	890.701
	890.80	892.201
	891.97	893.701
	892.50	895.201
	888.83	896.701
	901.68	898.201
	909.62	899.701
	915.66	901.201
	918.20	902.701
	922.34	904.201
	922.75	905.701
	923.17	907.201
	921.58	908.701
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	915.41	912.132
		916.11

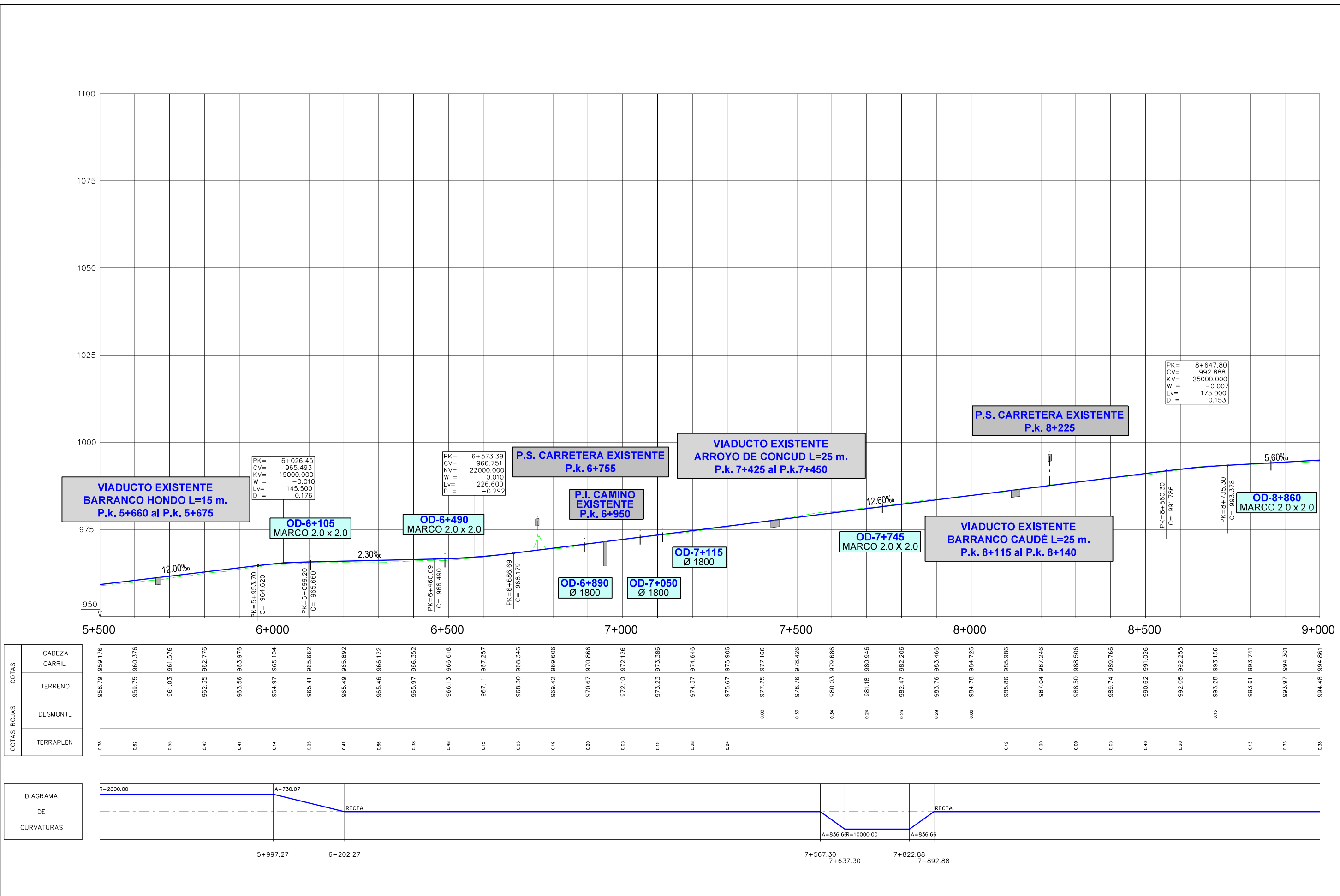


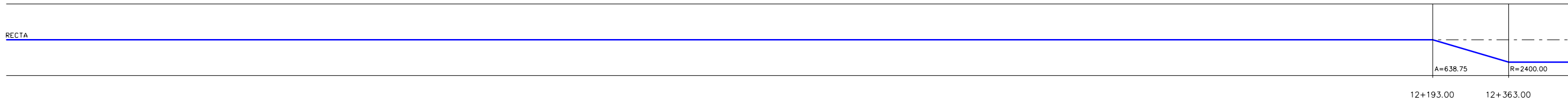


COTAS	CABEZA CARRIL											
	916.11	914.47	915.45	914.80	917.57	916.94	917.84	918.44	919.74	920.70	922.05	922.45
COTAS ROJAS	TERRENO											
	912.537	912.937	913.432	914.354	915.551	916.751	917.951	919.151	920.351	921.551	922.751	923.155
COTAS ROJAS	DESMONTE											
	3.58	1.53	2.02	0.44	2.02	0.19						
COTAS ROJAS	TERRAPLEN											
							0.11	0.71	0.61	0.85	0.70	0.70

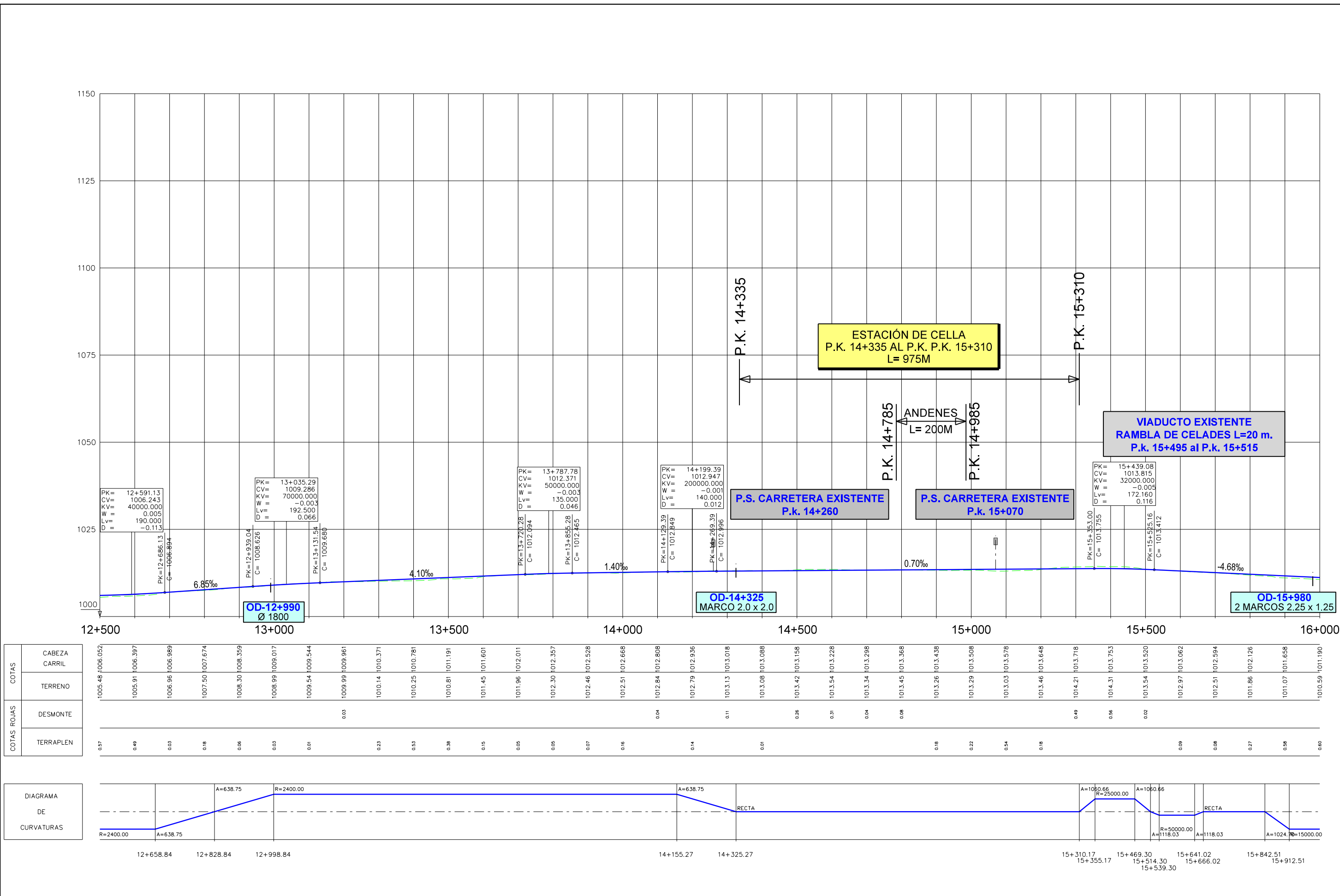


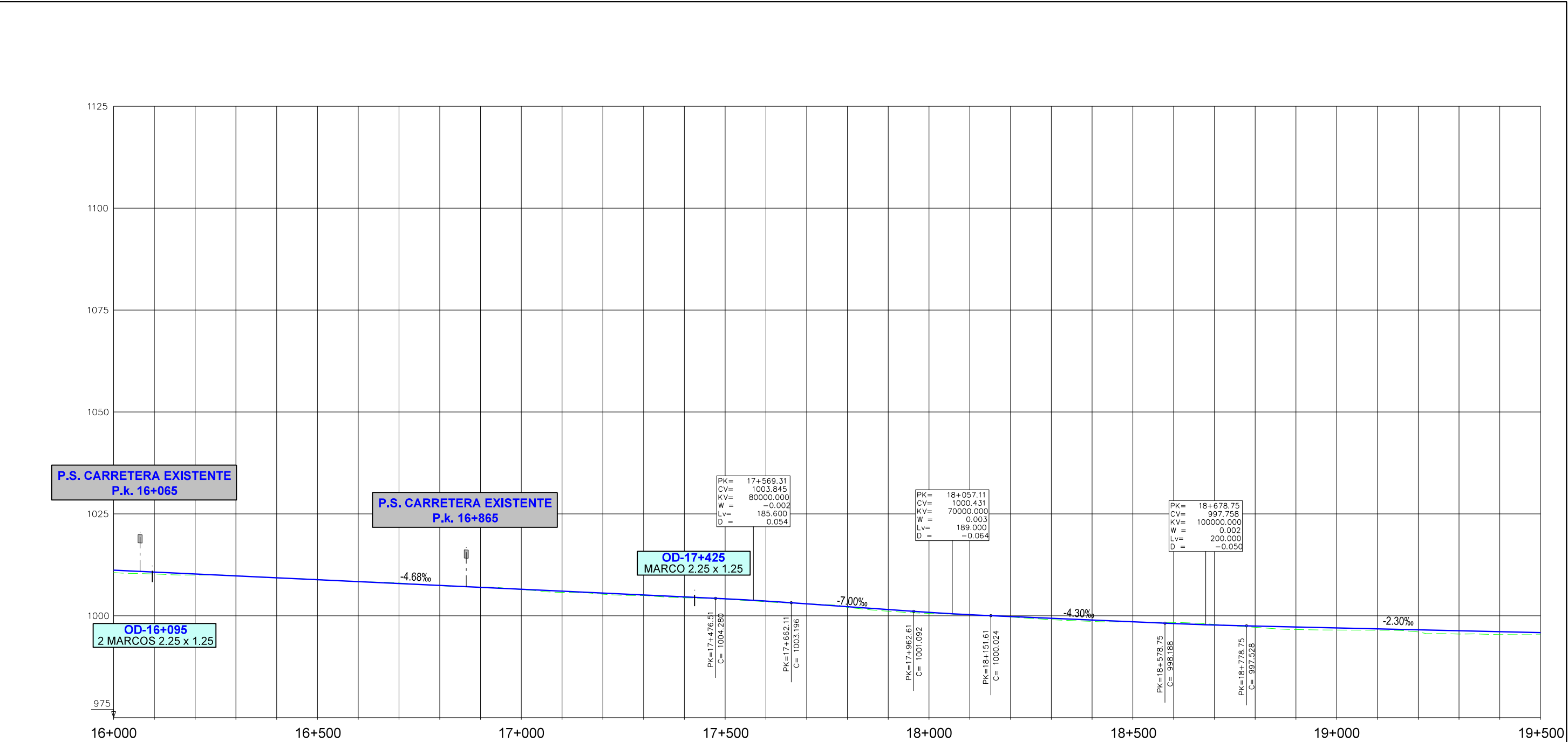






	COTAS ROJAS		COTAS	
	TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
0.38			994.48	994.861
0.42			995.00	995.421
0.55			995.43	995.981
0.42			996.12	996.541
0.41			996.70	997.101
0.35			997.31	997.661
0.10			998.12	998.221
0.23			998.55	998.781
0.50			998.84	999.341
0.67			999.22	999.897
0.56			999.71	1000.268
0.41			1000.00	1000.409
0.53			1000.00	1000.529
0.49			1000.22	1000.707
0.62			1000.37	1000.987
0.50			1000.78	1001.277
0.09			1001.48	1001.567
		1.17	1003.02	1001.857
0.41			1001.74	1002.147
0.17			1002.26	1002.437
0.23			1002.50	1002.727
		0.20	1003.21	1003.017
0.10			1003.19	1003.296
0.12			1003.41	1003.532
0.08		0.01	1003.75	1003.742
		0.19	1004.35	1004.162
		0.16	1004.53	1004.372
0.00			1004.58	1004.582
0.08			1004.71	1004.792
0.18			1004.82	1005.002
0.25			1004.96	1005.212
0.45			1004.97	1005.422
0.49			1005.14	1005.632
0.67			1005.17	1005.842
0.57			1005.48	1006.052





COTAS ROJAS	COTAS	
	DESMONTE	TERRENO
0.60		1010.59
0.47		1010.25
0.25		1010.00
0.02	0.08	1009.86
		1009.30
	0.06	1008.91
	0.00	1008.38
	0.14	1008.05
0.06		1007.39
	0.07	1007.05
0.10		1006.41
0.30		1005.75
0.28		1005.30
0.13		1004.97
0.24		1004.40
0.12		1004.04
0.17		1003.43
	0.03	1002.96
0.17		1002.06
0.41		1001.12
0.26		1000.58
0.01		1000.26
0.11		999.70
0.34		999.04
0.34		998.62
0.05		998.48
	0.26	998.36
	0.16	997.90
0.31		997.17
0.62		996.63
0.51		996.51
0.33		996.46
0.52		996.04
0.81		995.52
0.71		995.38
0.52		995.35

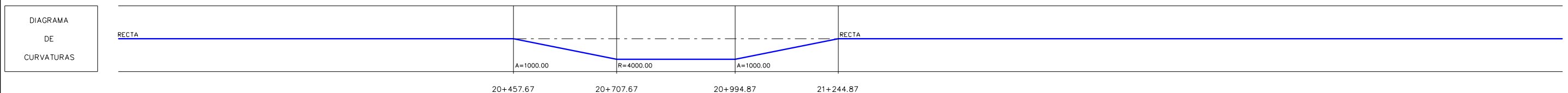
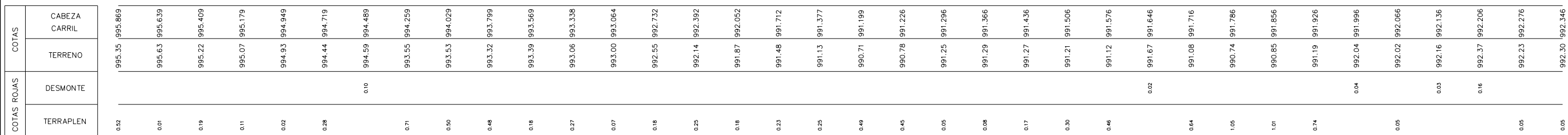
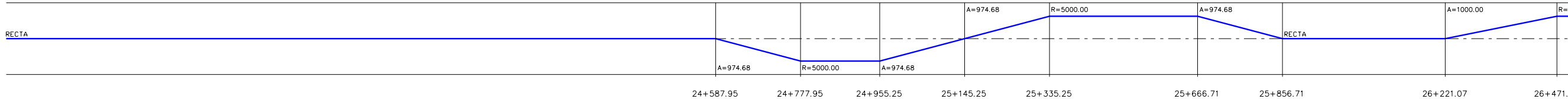
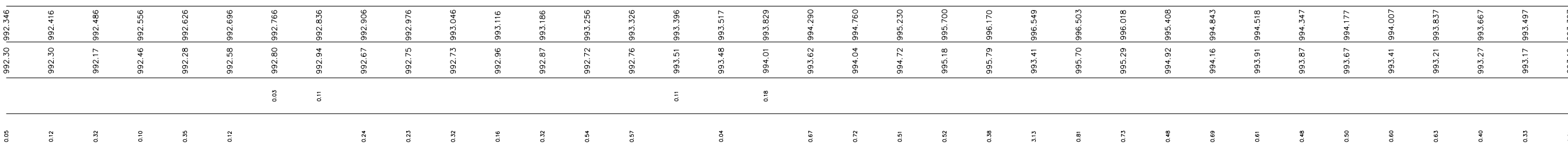


DIAGRAMA DE CURVATURAS



SECRETARÍA DE ESTADO
DE TRANSPORTES, MOVILIDAD
Y AGENDA URBANA

SECRETARÍA GENERAL
DE INFRAESTRUCTURAS

DIRECCIÓN GENERAL
DE PLANIFICACIÓN Y EVALUACIÓN
DE LA RED FERROVIARIA

TÍTULO

ESTUDIO INFORMATIVO DEL CORREDOR
CANTÁBRICO - MEDITERRÁNEO
DE ALTA VELOCIDAD
TRAMO: TERUEL - ZARAGOZA

AUTOR EL AUTOR DEL PROYECTO

getinsa-euroestudios

 **EPF**
INGENIERÍA



RAMÓN MORENO CADAHIA

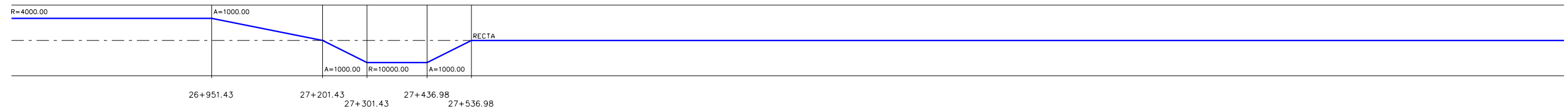
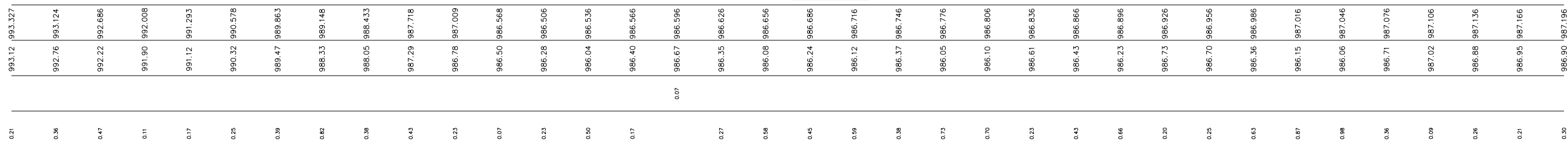
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NUMÉRICA	GRÁFICA

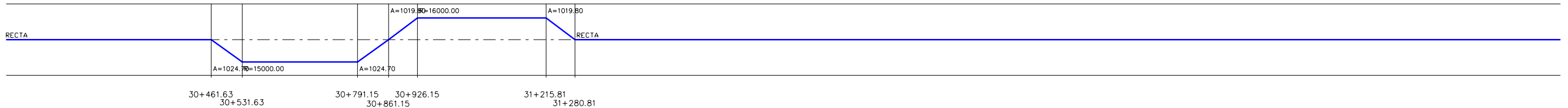
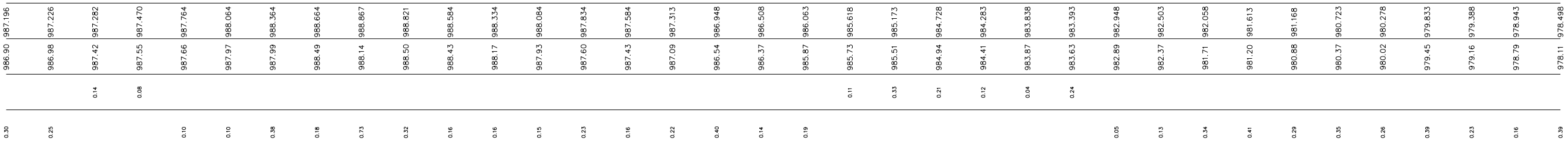
FECHA
FEBRERO 2021

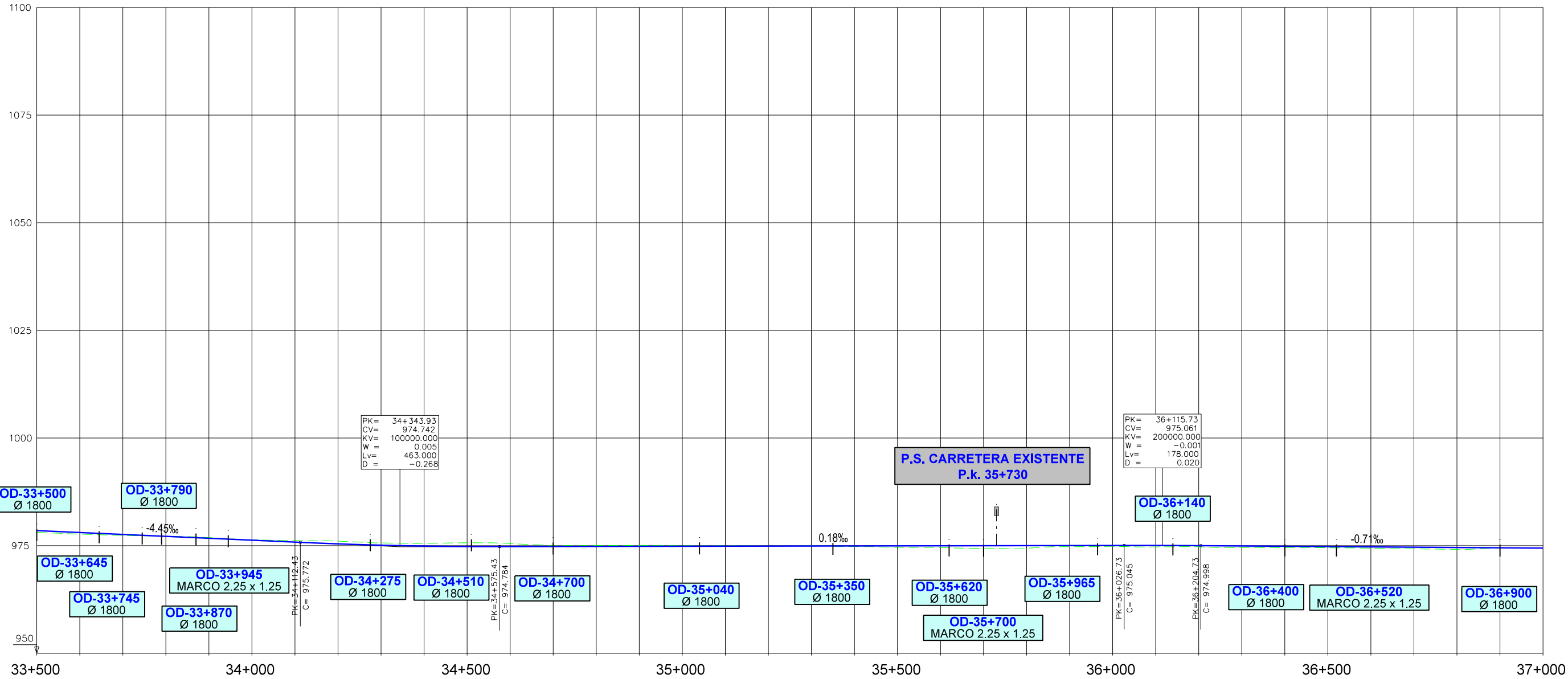
Nº DE PLANO	5.2
HOJA 7 DE 15	

TÍTULO DEL PLANO

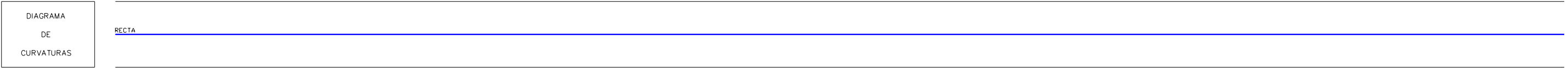
PERFILES LONGITUDINALES
TRAMO 2
ALTERNATIVA 2.0

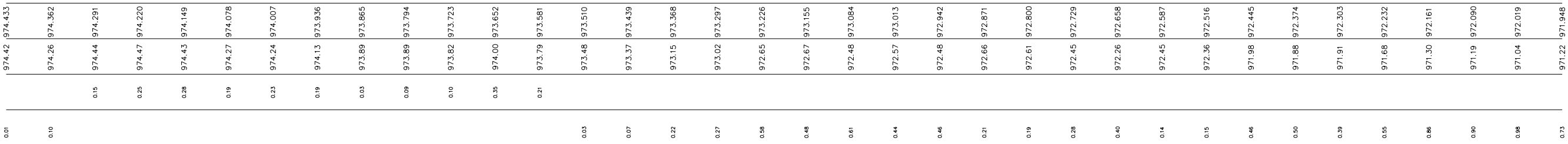


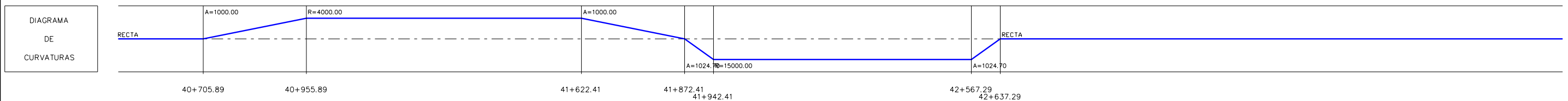
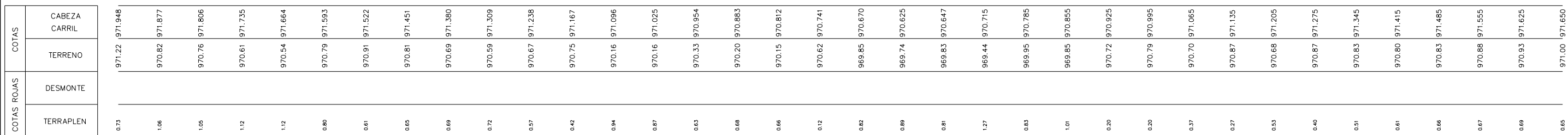


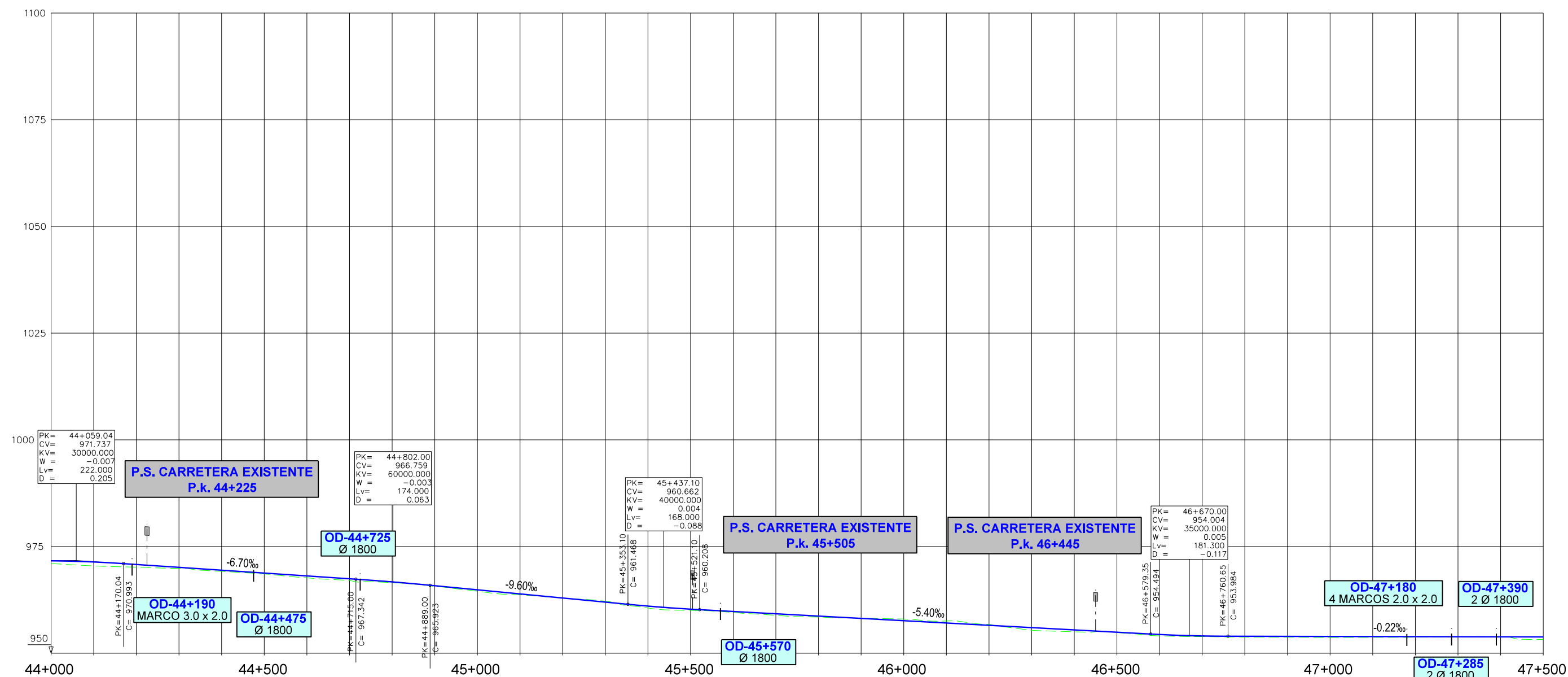


COTAS ROJAS	COTAS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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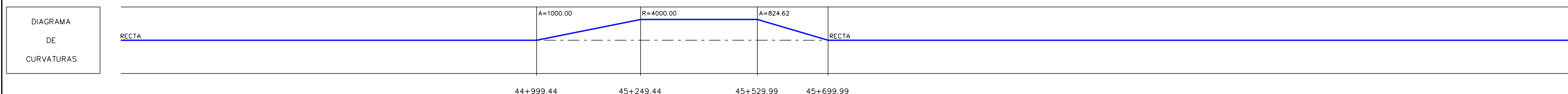


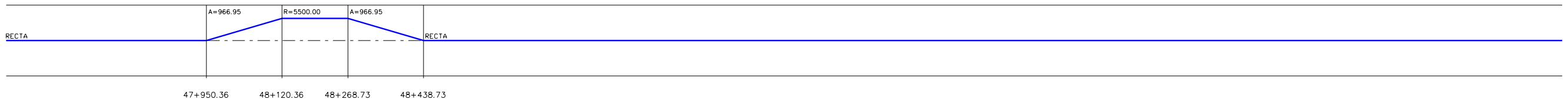
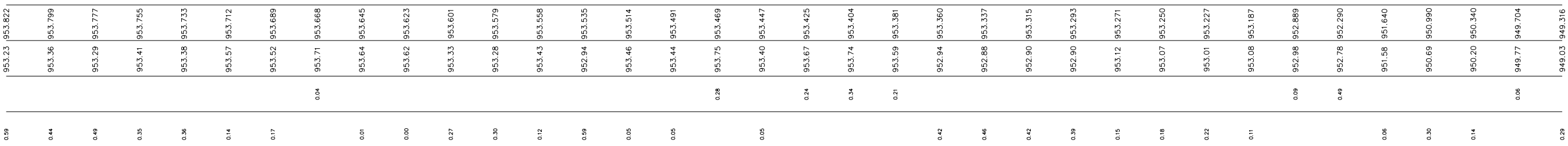


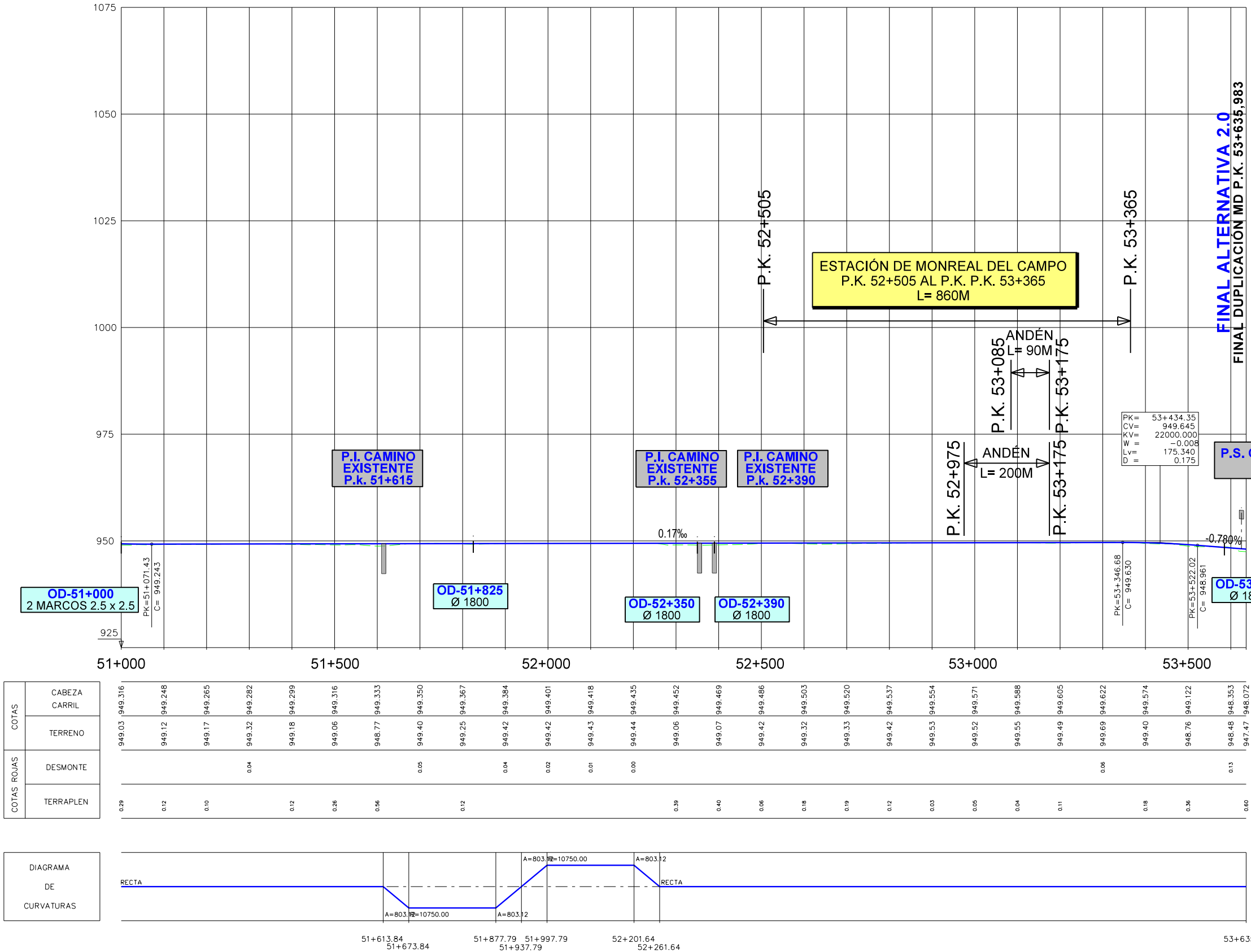


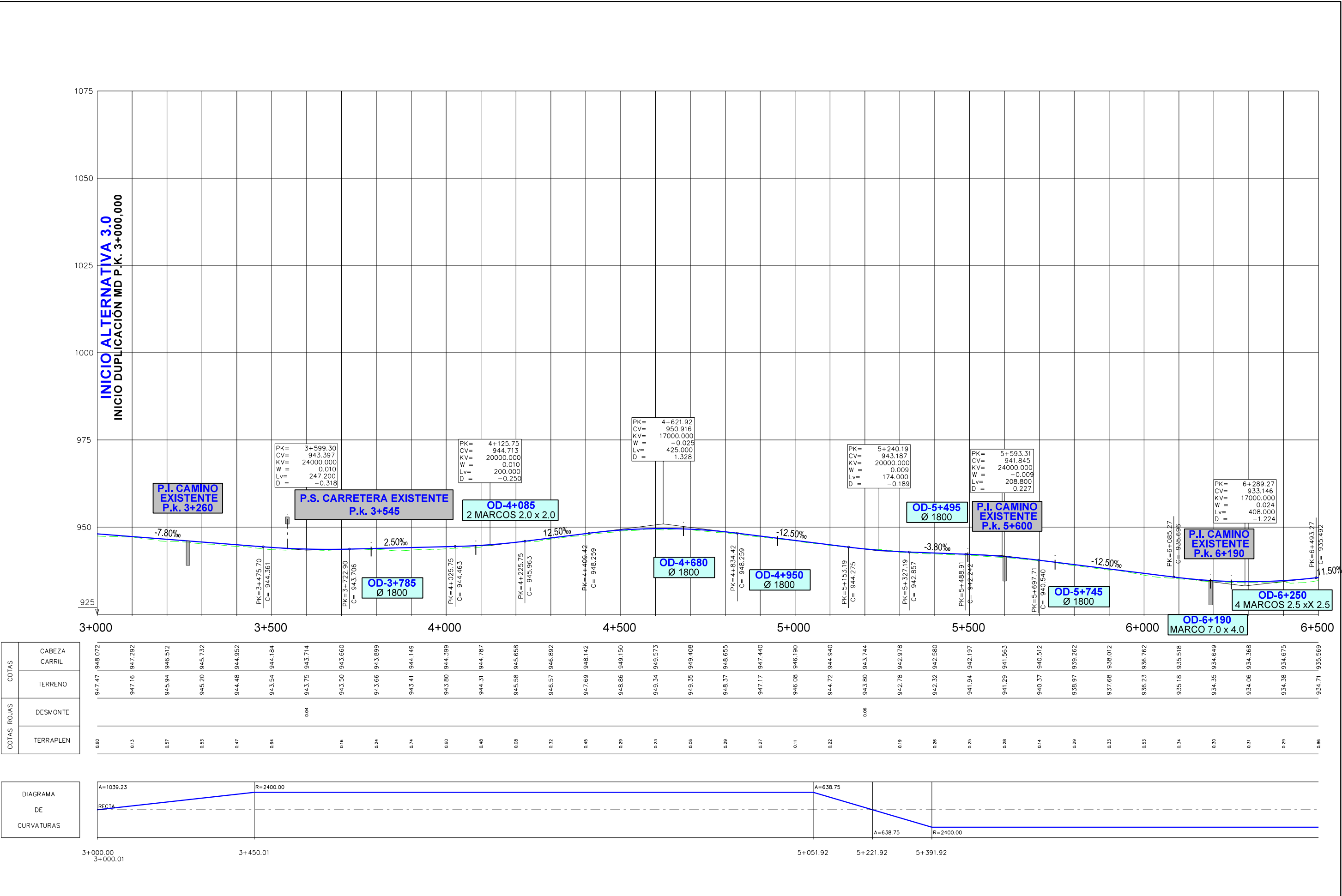


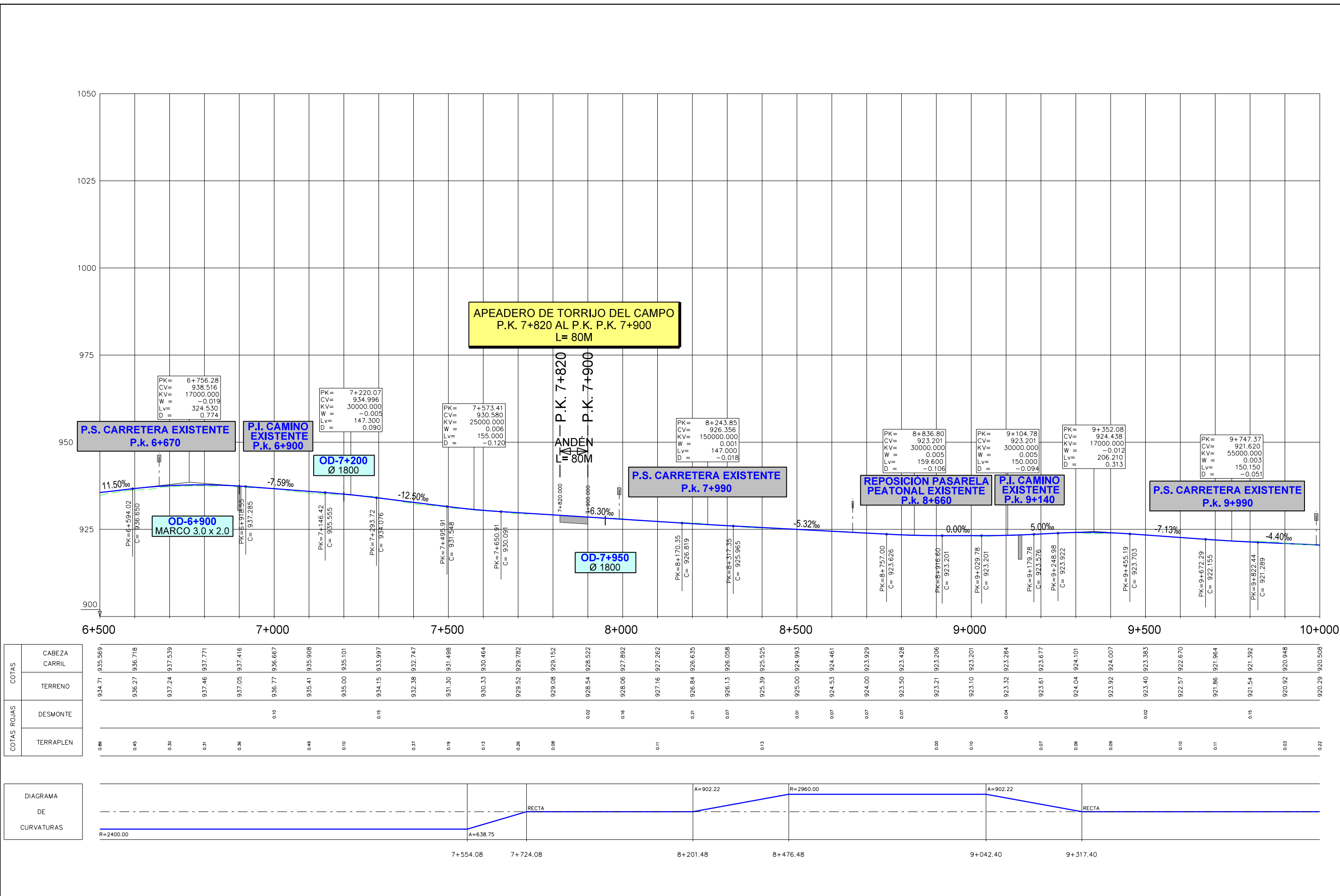
COTAS ROJAS		COTAS	
TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
0.05			971.00 971.650
0.02			970.46 971.380
0.02			970.17 970.792
0.25			969.87 970.122
0.27			969.19 969.452
0.20			968.58 968.782
0.45			967.66 968.112
0.40			967.05 967.442
0.16			966.55 966.712
0.17			965.64 965.818
0.33			964.53 964.858
0.20			963.70 963.898
0.03			962.91 962.938
	0.21		962.19 961.978
0.45			960.60 961.045
0.29			960.03 960.328
0.24			959.54 959.782
0.36			958.89 959.242
0.23			958.47 958.702
	0.03		958.19 958.162
	0.40		958.02 957.622
	0.47		957.55 957.082
	0.22		956.77 956.542
0.63			955.37 956.002
0.45			955.02 955.462
0.08			954.85 954.922
0.33			954.06 954.388
0.16			953.89 954.050
0.17			953.80 953.976
0.16			953.79 953.953
0.25			953.69 953.932
0.18			953.72 953.909
0.10			953.78 953.887
0.06			953.81 953.866
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0.59			953.23 953.822

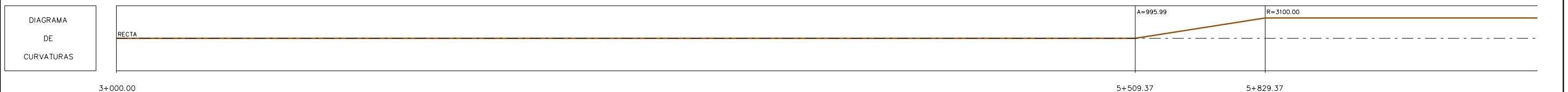
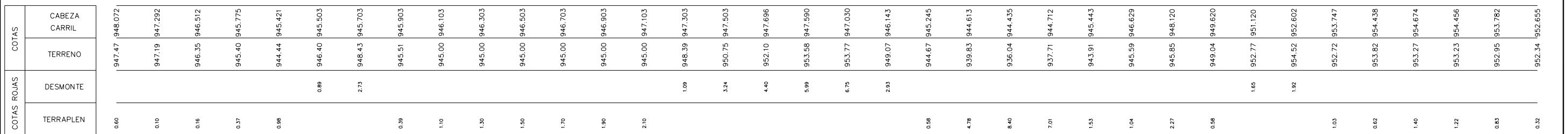


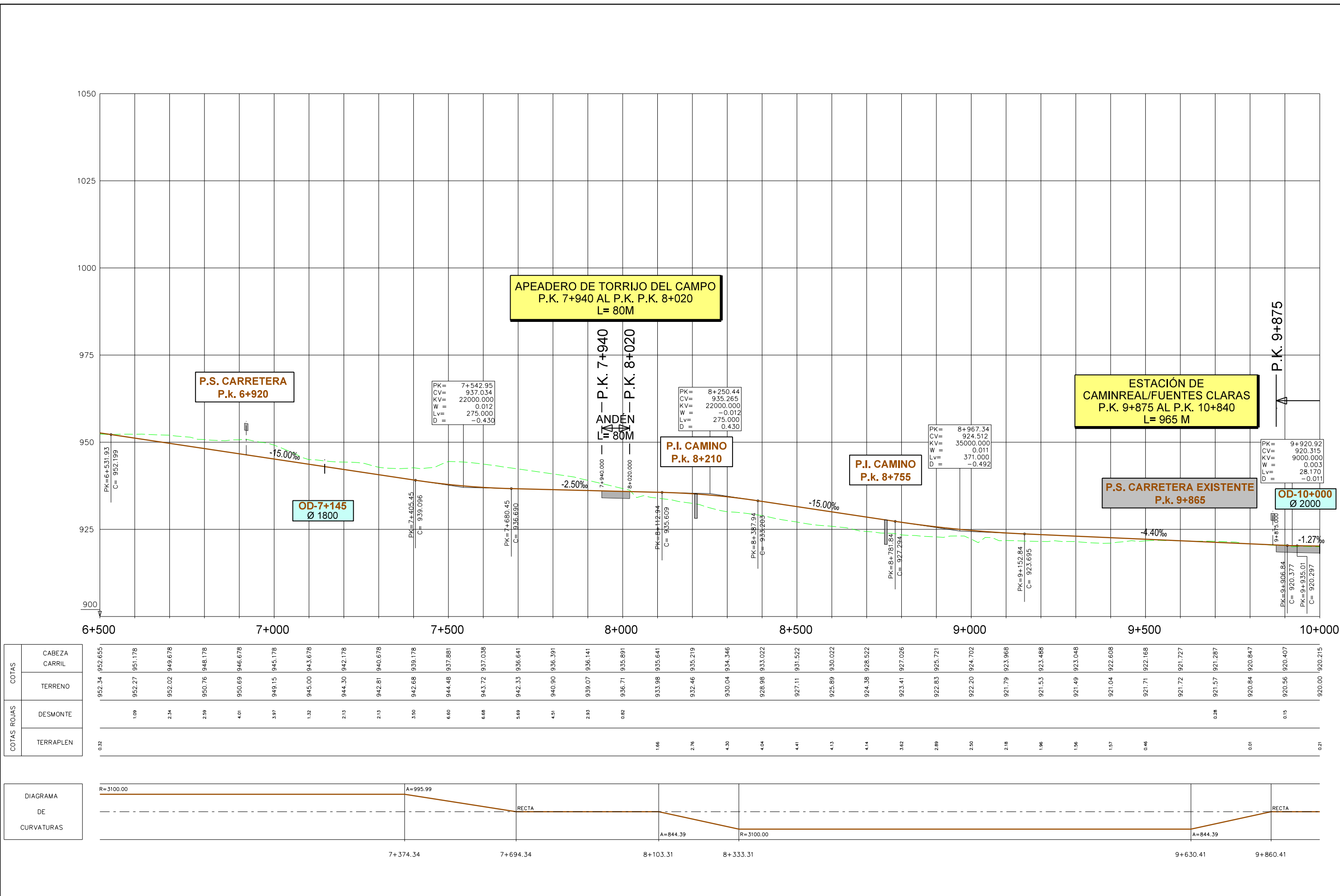


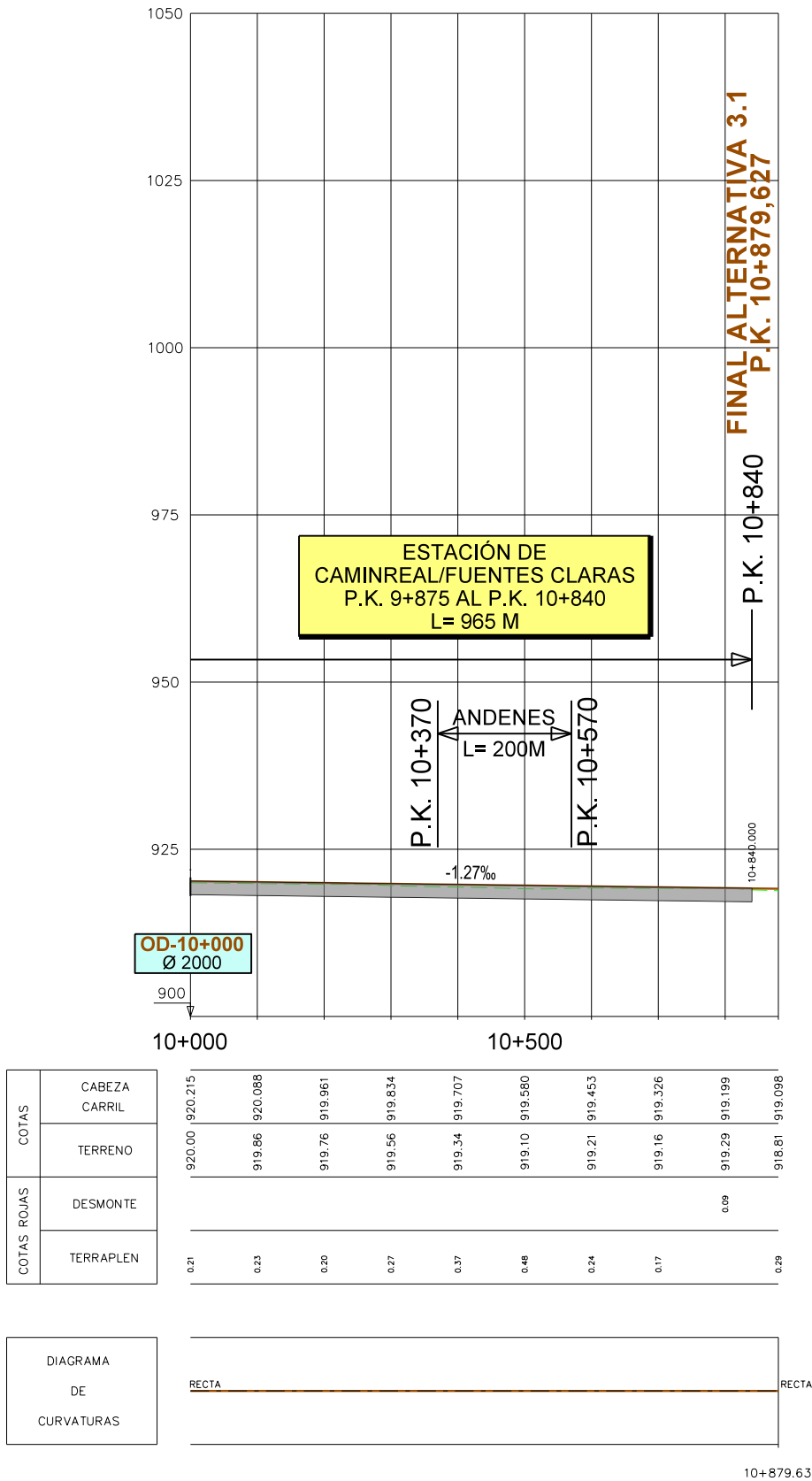


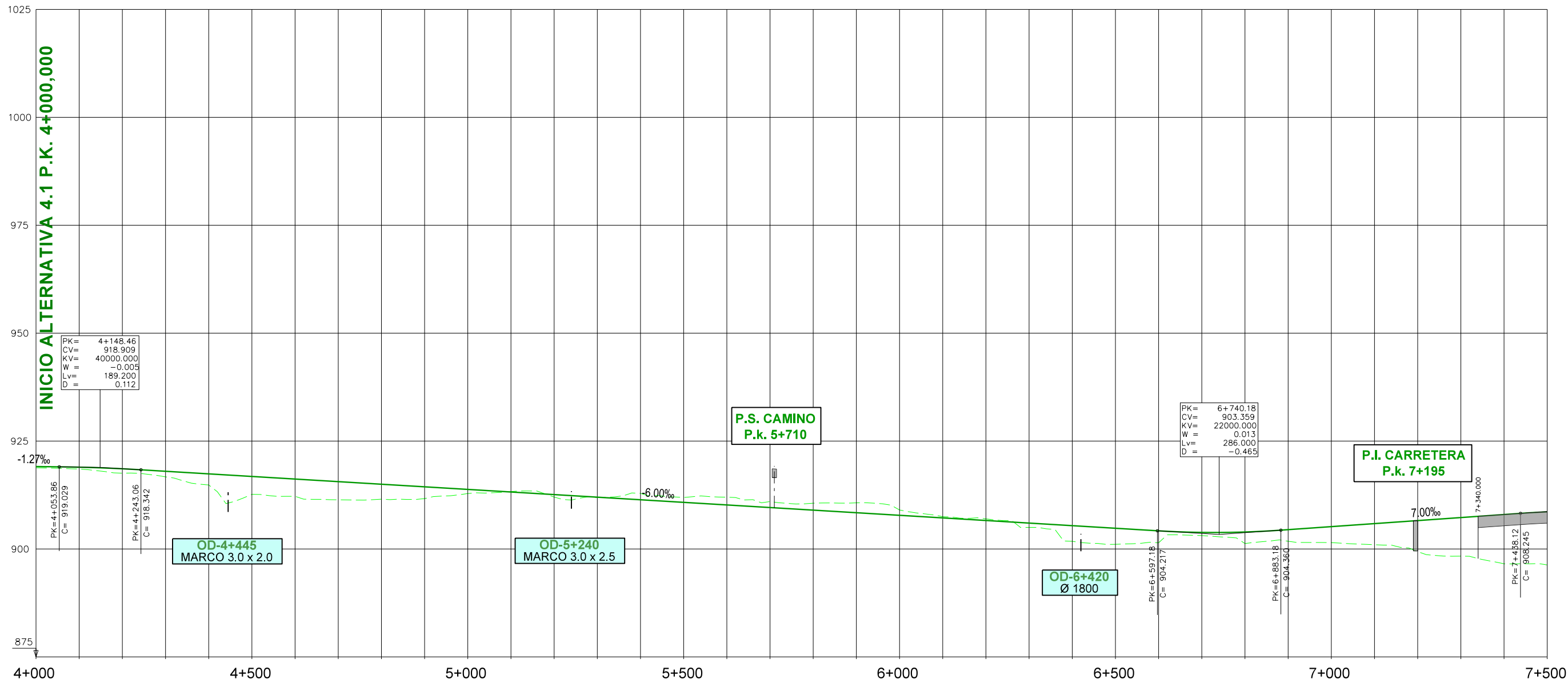




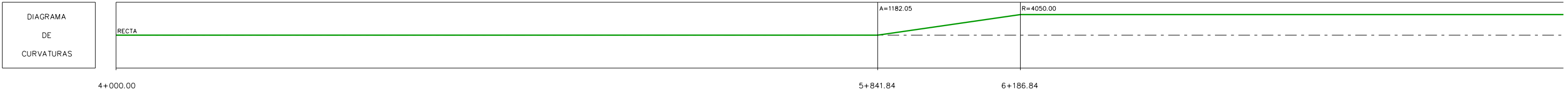


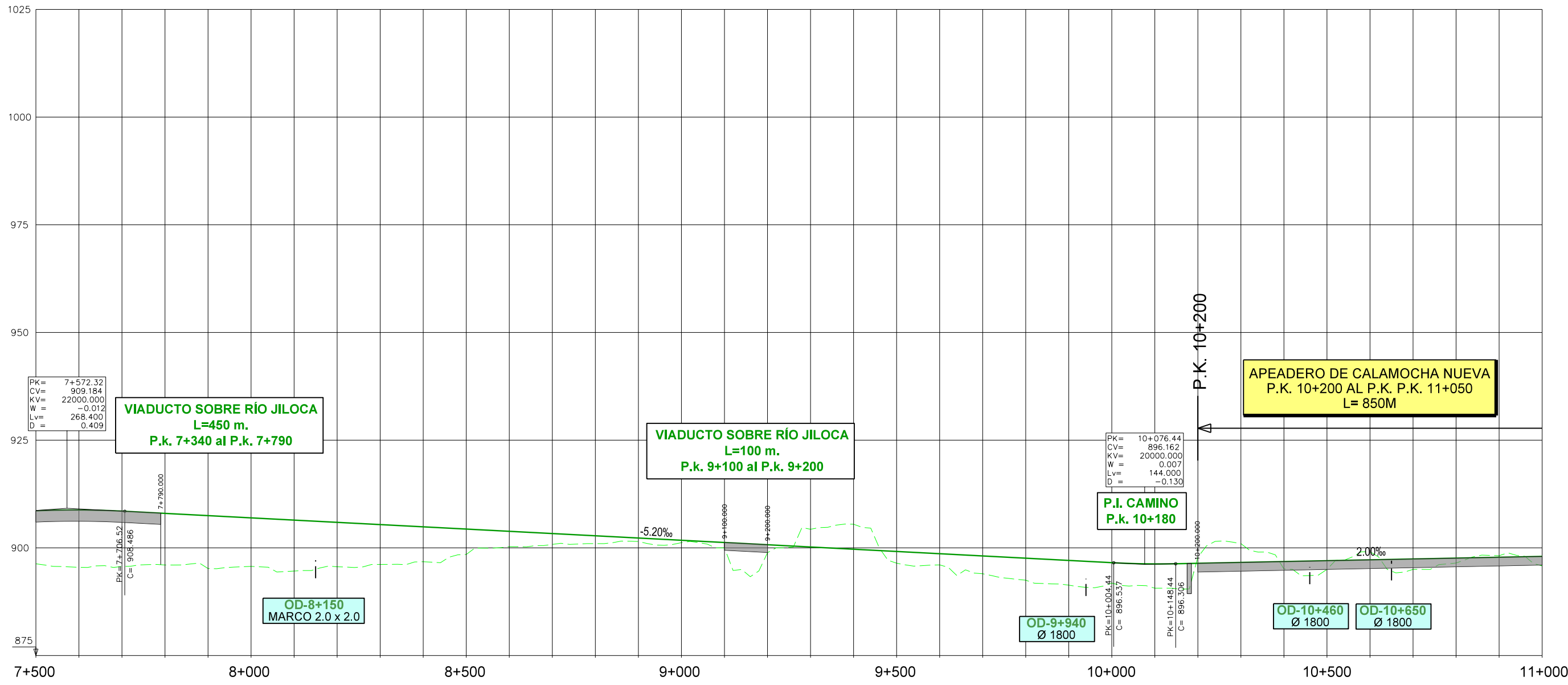




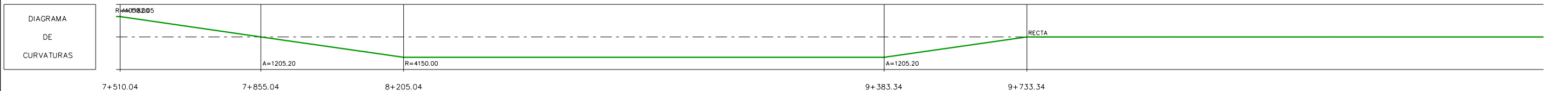


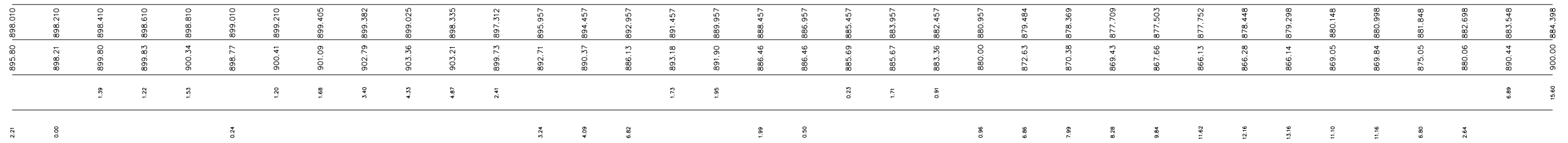
COTAS	CABEZA CARRIL	919.098	918.81
	TERRENO	918.944	918.53
COTAS ROJAS	DESMONTE	918.577	917.56
	TERRAPLEN	918.000	916.71
		917.400	914.83
		916.800	912.66
		916.200	912.20
		915.600	911.39
		915.000	911.54
		914.400	911.67
		913.800	912.84
		913.200	913.31
		912.600	912.02
		912.000	911.91
		911.400	912.88
		910.800	911.92
		910.200	912.00
		909.600	910.98
		909.000	910.61
		908.400	910.69
		907.800	909.03
		907.200	907.50
		906.600	906.98
		906.000	905.00
		905.400	901.78
		904.800	901.08
		904.200	901.44
		903.840	903.10
		903.935	901.26
		904.478	901.79
		905.178	901.47
		905.878	900.99
		906.578	899.39
		907.278	898.34
		907.978	896.57
		908.591	896.30

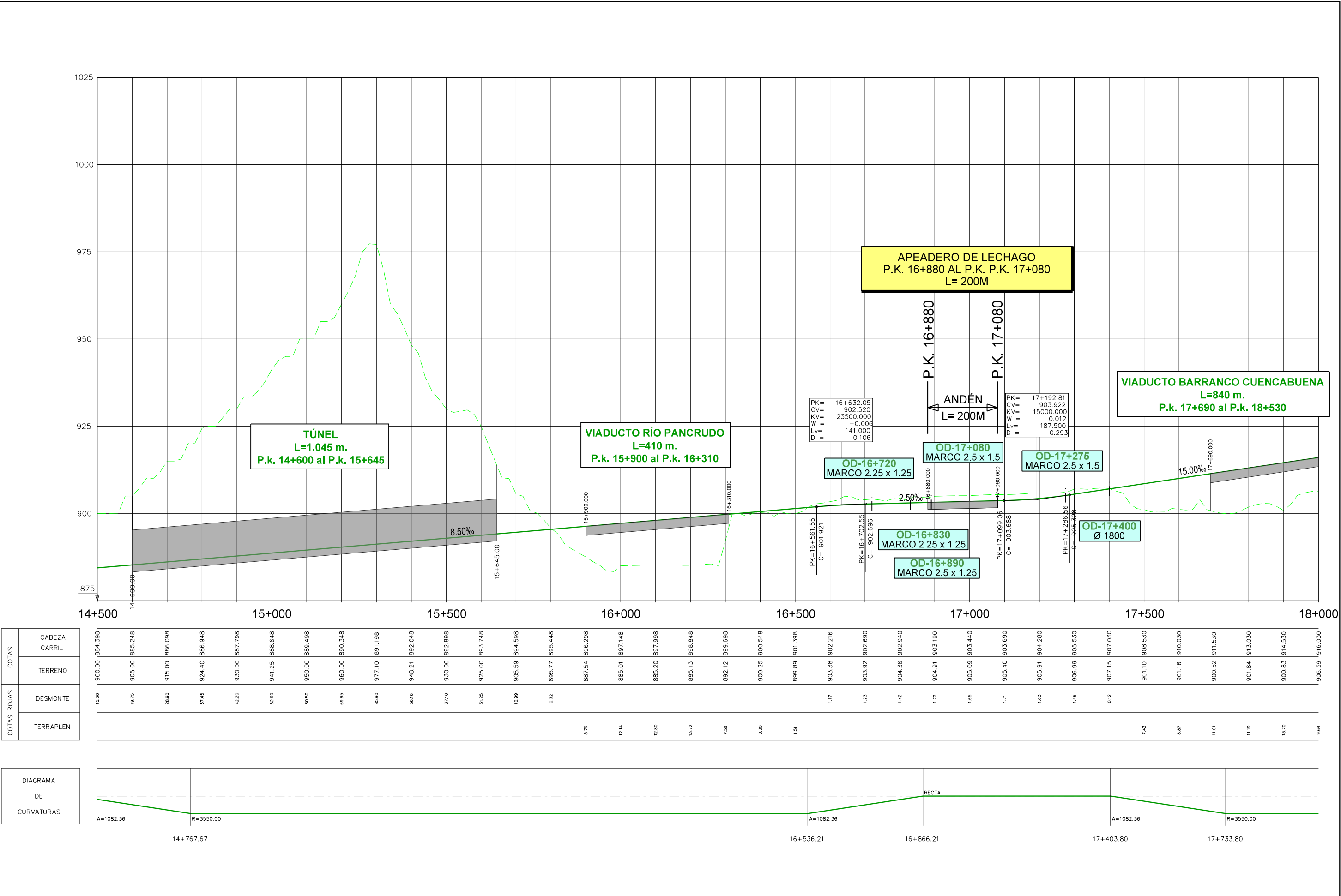


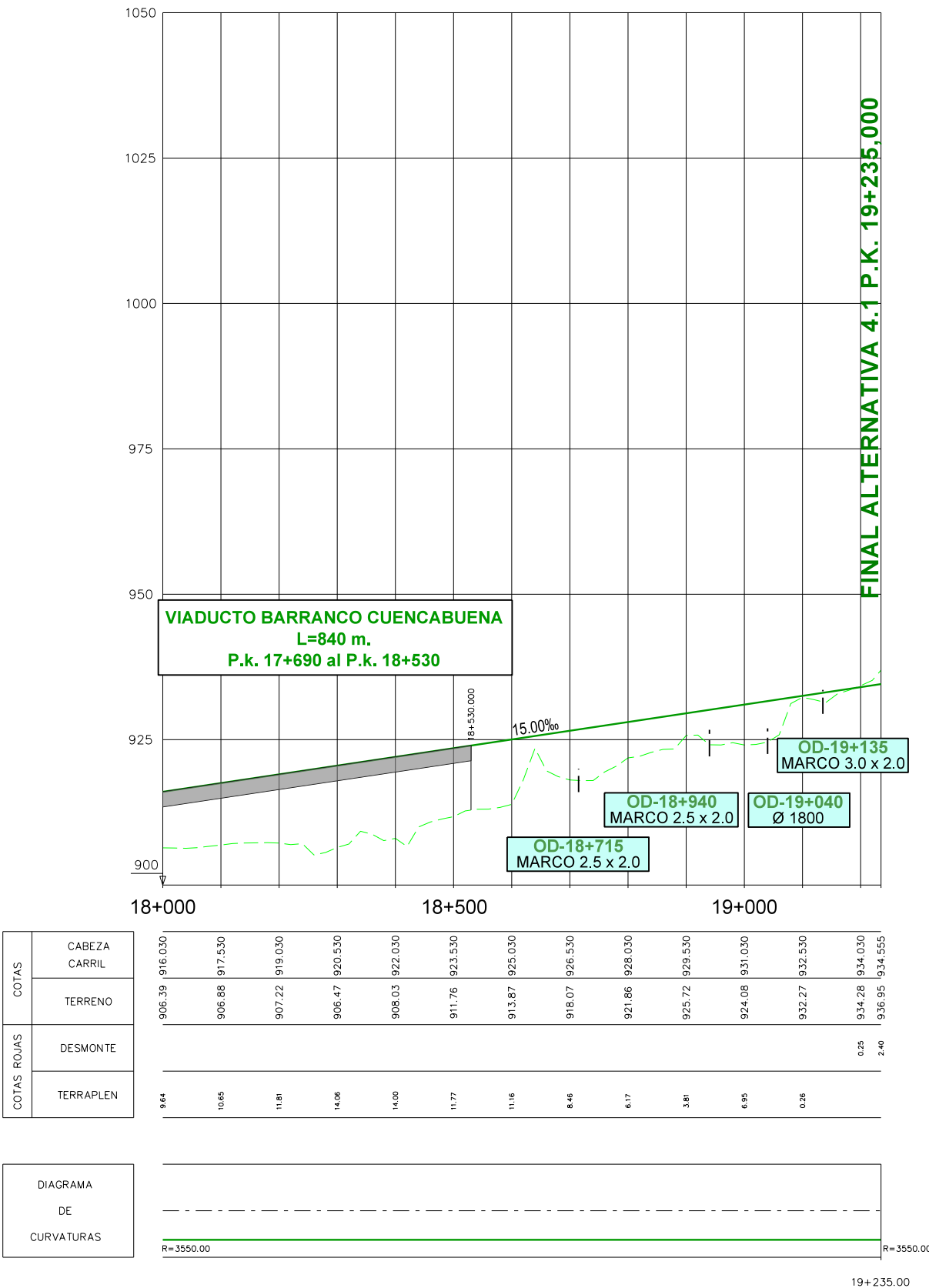


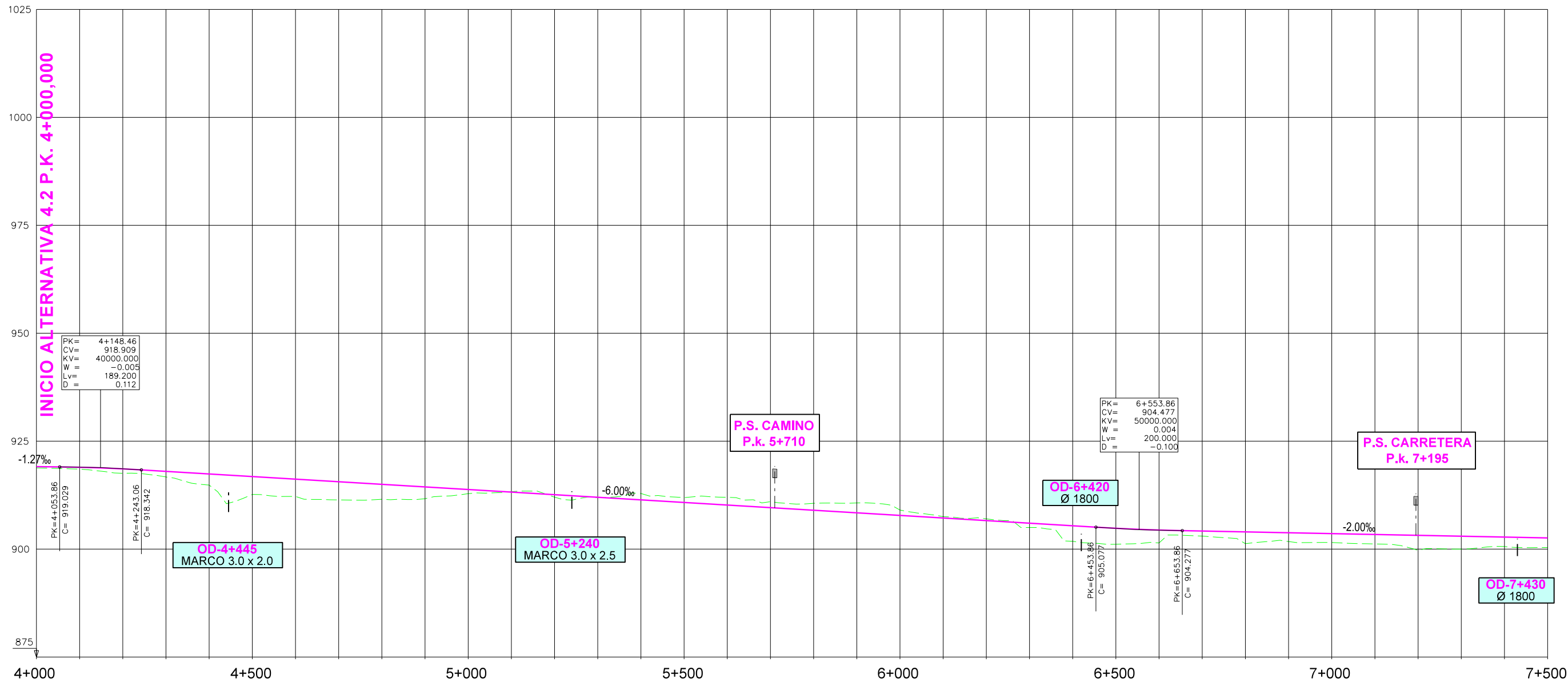
COTAS	COTAS ROJAS	
	CABEZA CARRIL	TERRENO
896.30	908.591	12.29
895.48	908.782	13.30
895.68	908.519	12.84
896.02	908.000	11.98
895.20	907.480	12.28
895.70	906.960	11.26
894.61	906.440	11.83
895.61	905.920	10.31
896.15	905.400	9.25
896.78	904.880	8.10
898.47	904.360	5.89
900.27	903.840	3.57
900.80	903.320	2.52
900.99	902.800	1.81
901.48	902.280	0.80
901.21	901.760	0.55
900.00	901.240	1.24
898.88	900.720	1.84
904.32	900.200	4.12
905.48	899.680	5.80
896.44	899.160	2.72
896.04	898.640	2.60
893.99	898.120	4.13
892.49	897.600	5.11
891.34	897.080	5.74
891.83	896.560	4.73
890.63	896.268	5.64
897.83	896.410	1.42
900.98	896.610	4.37
895.09	896.810	1.72
895.00	897.010	2.01
899.10	897.210	1.89
895.00	897.410	2.41
896.48	897.610	1.13
898.18	897.810	0.37
895.60	898.010	2.21



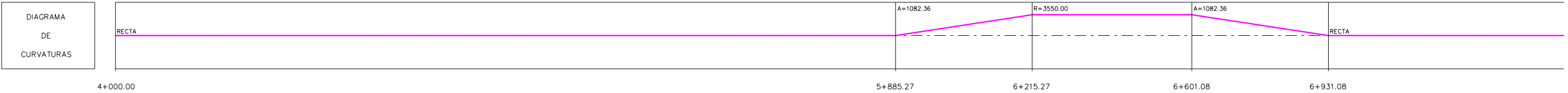


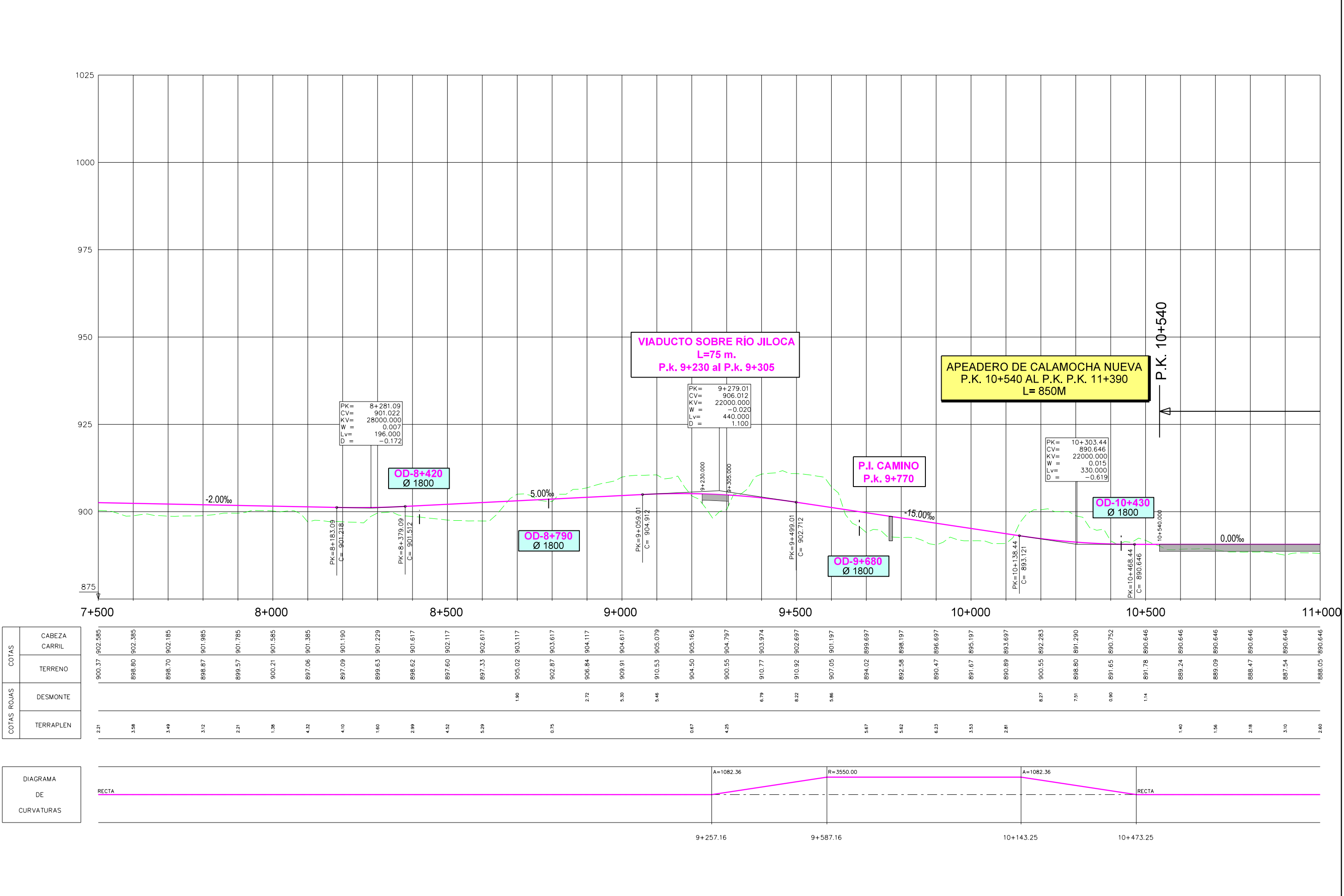






COTAS	COTAS	
	CABEZA CARRIL	TERRENO
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
	918.81	919.098
	918.53	918.944
	917.56	918.577
	916.71	918.000
	914.83	917.400
	912.66	916.800
	912.20	916.200
	911.39	915.600
	911.54	915.000
	911.67	914.400
	912.84	913.800
	913.31	913.200
	912.02	912.600
	911.91	912.000
	912.88	911.400
	911.92	910.800
	912.00	910.200
	910.98	909.600
	910.61	909.000
	910.69	908.400
	909.05	907.800
	907.52	907.200
	907.00	906.600
	905.00	906.000
	901.81	905.400
	901.11	904.821
	901.43	904.414
	903.01	904.185
	901.25	903.985
	901.75	903.785
	901.53	903.585
	901.19	903.385
	899.72	903.185
	900.00	902.985
	900.59	902.785
		900.37

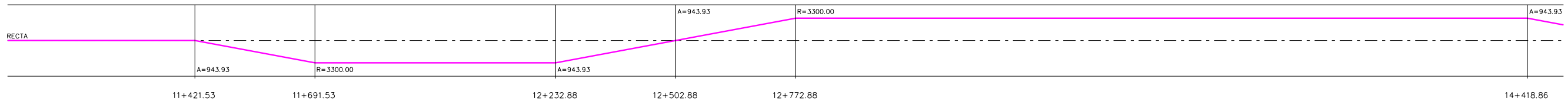
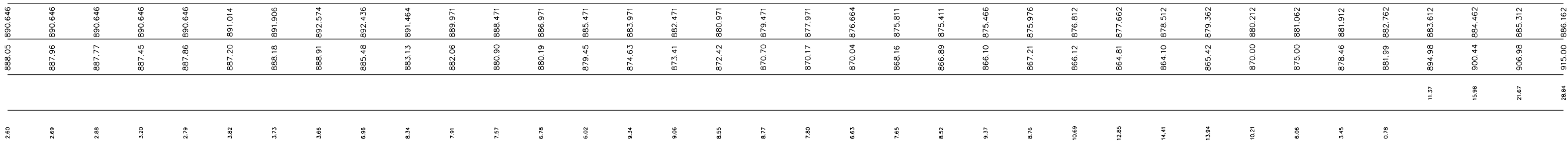


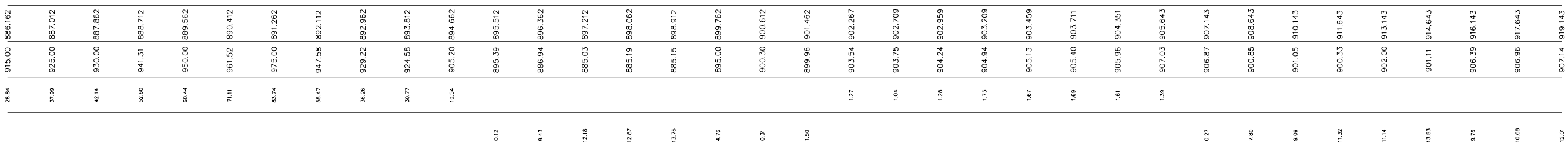


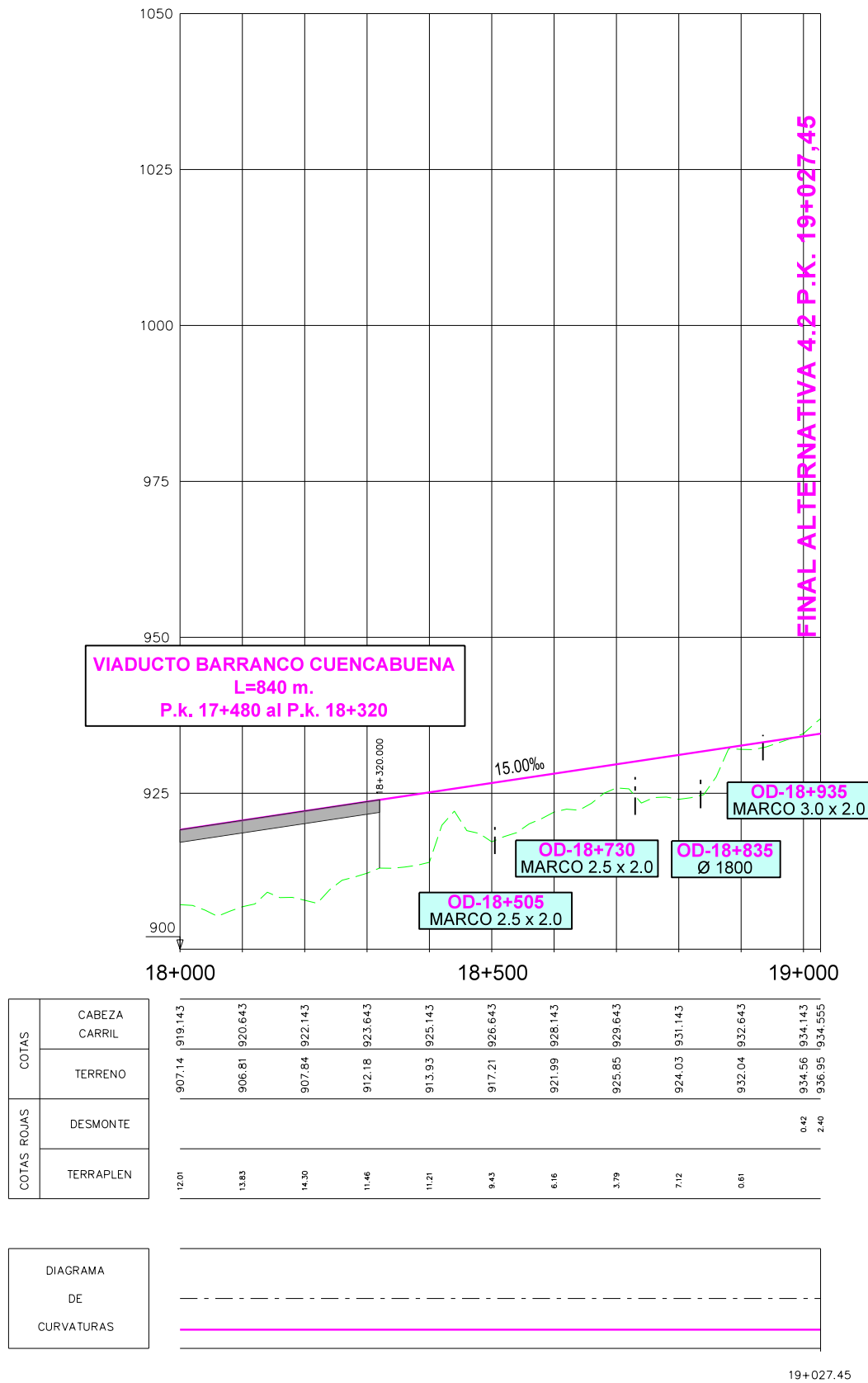
COTAS ROJAS	COTAS	
	TERRENO	CABEZA CARRIL
DESMONTE		
TERRAPLEN		

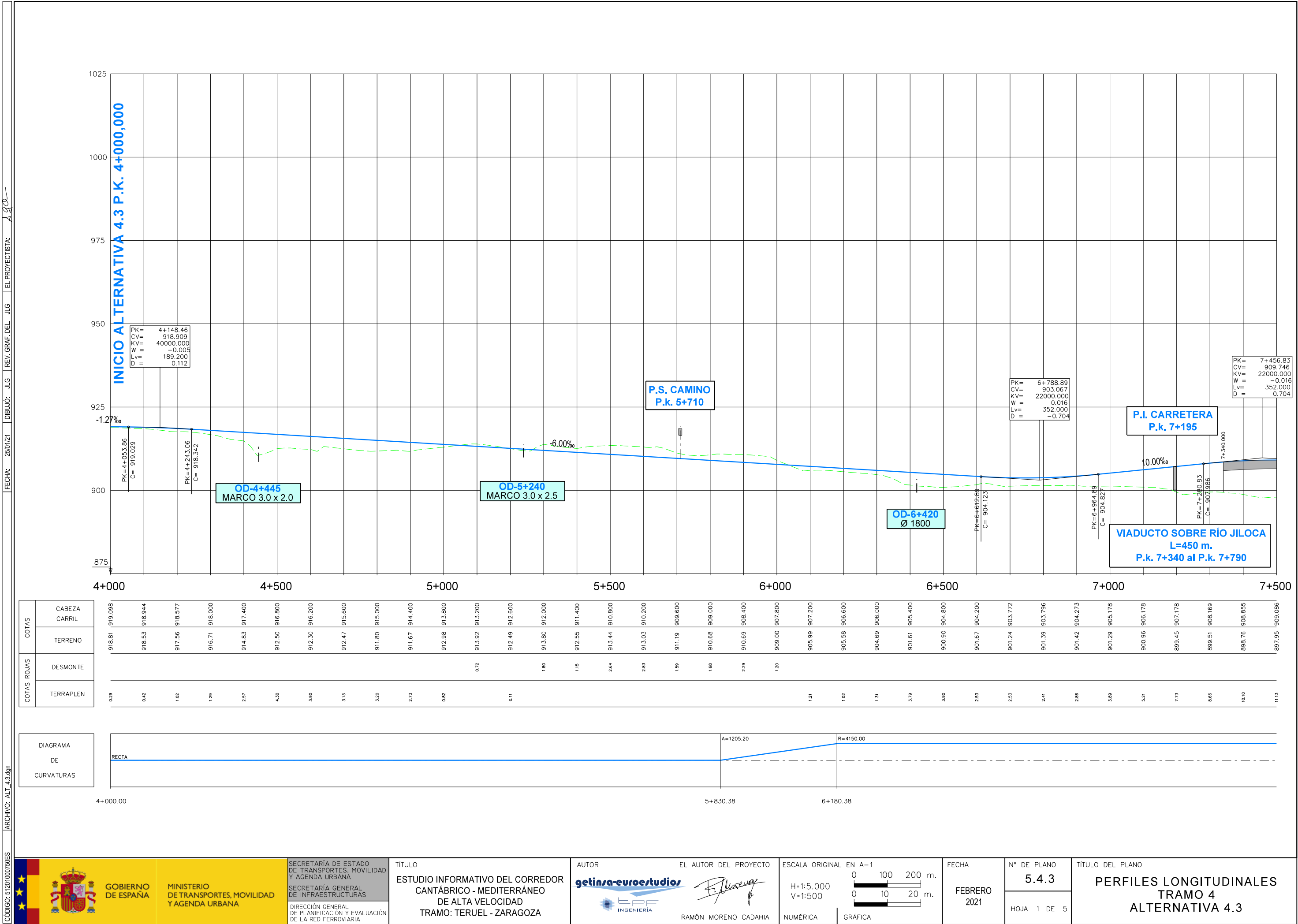
2.21	900.37	902.585
3.58	898.80	902.385
3.49	898.70	902.185
3.12	898.87	901.985
2.21	899.57	901.785
1.38	900.21	901.585
4.32	897.06	901.385
4.10	897.09	901.190
1.60	899.63	901.229
2.99	898.62	901.617
4.52	897.60	902.117
5.29	897.33	902.617
	905.02	903.117
0.75	902.87	903.617
	906.84	904.117
	909.91	904.617
	910.53	905.079
0.67	904.50	905.165
4.25	900.55	904.797
	910.77	903.974
	910.92	902.697
	907.05	901.197
5.67	894.02	899.697
	892.58	898.197
6.23	890.47	896.697
3.53	891.67	895.197
2.81	890.89	893.697
	900.55	892.283
	898.80	891.290
	891.65	890.752
	891.78	890.646
1.40	889.24	890.646
1.56	889.09	890.646
2.18	888.47	890.646
3.10	887.54	890.646
2.60	888.05	890.646

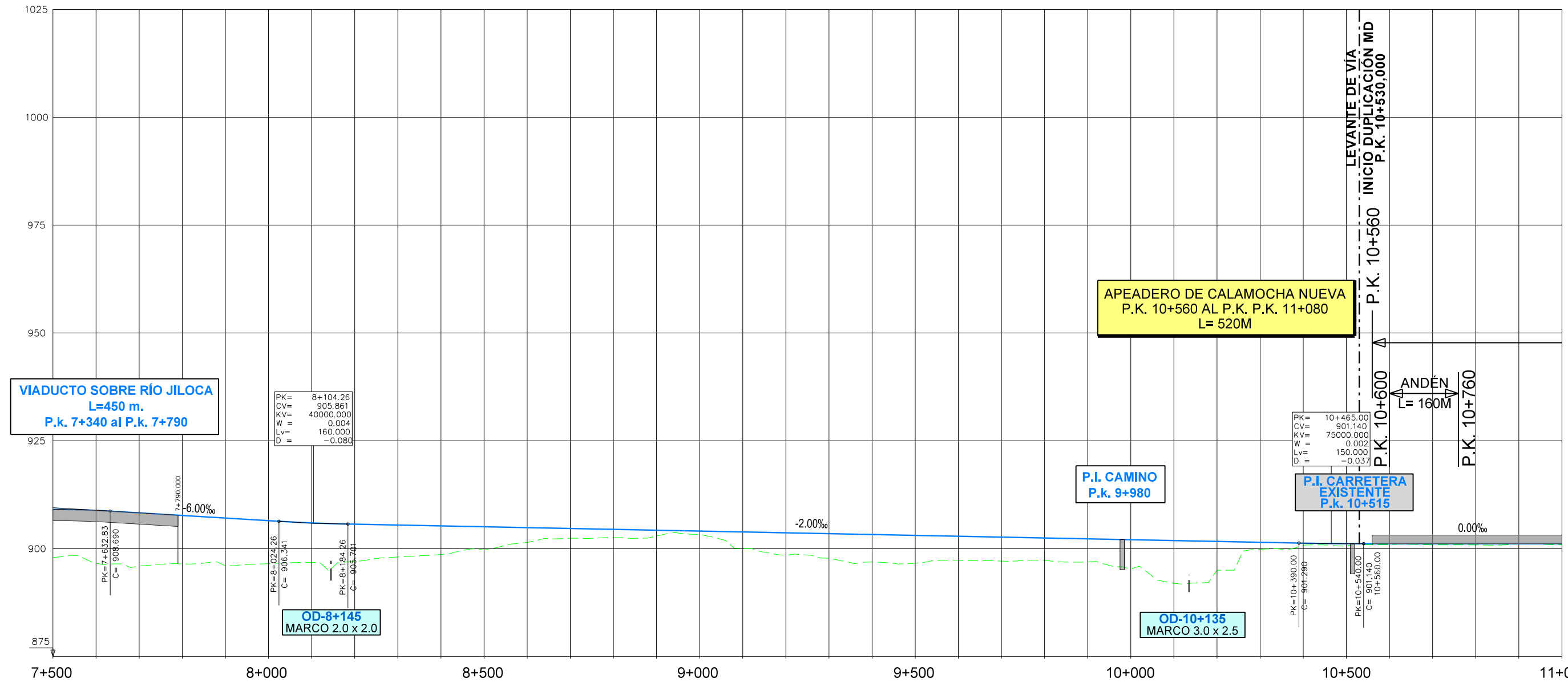
DIAGRAMA DE CURVATURAS	RECTA	A=1082.36	R=3550.00	A=1082.36	RECTA
		9+257.16	9+587.16	10+143.25	10+473.25



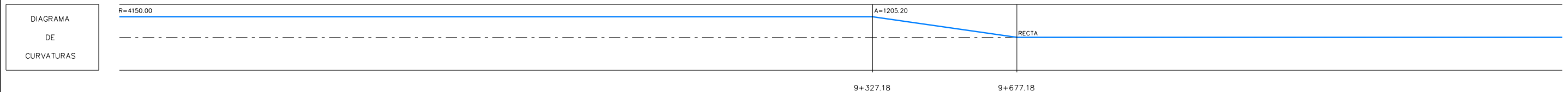


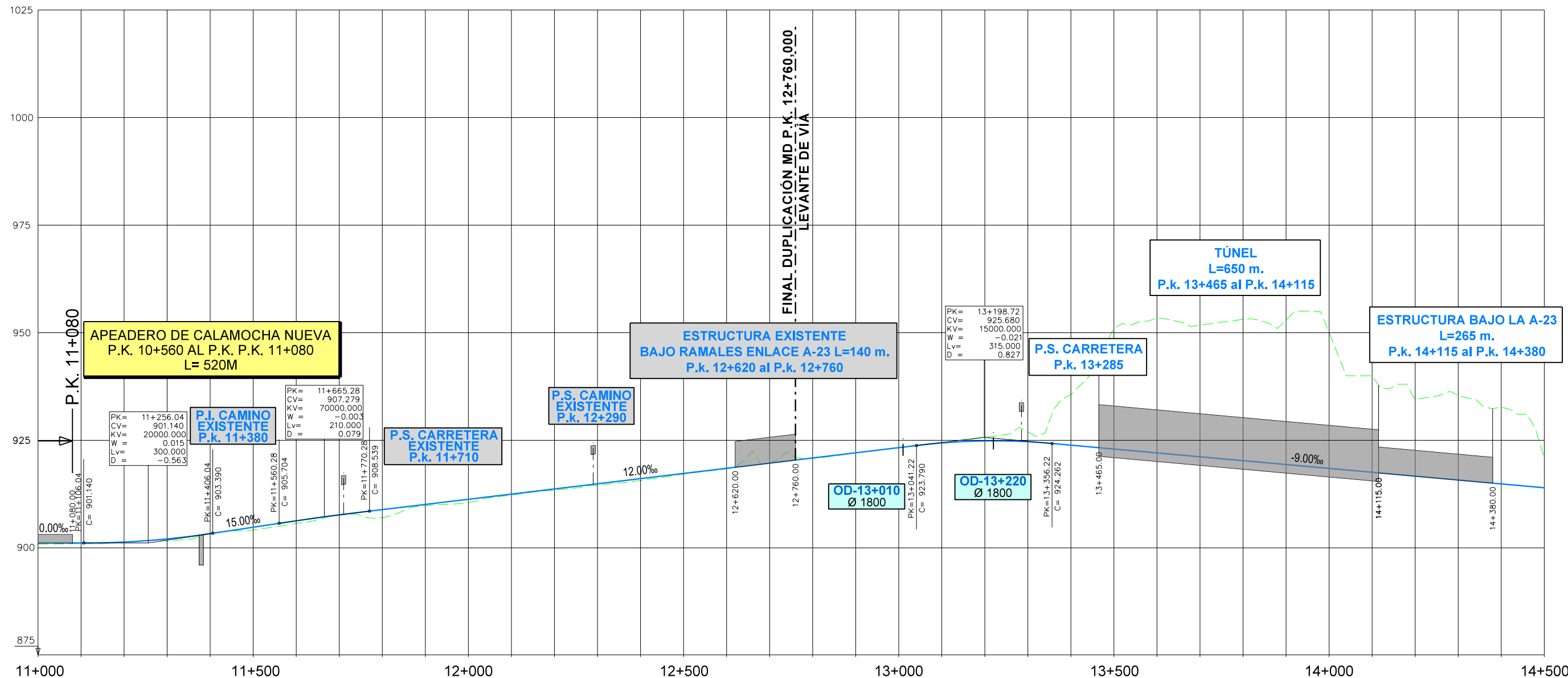




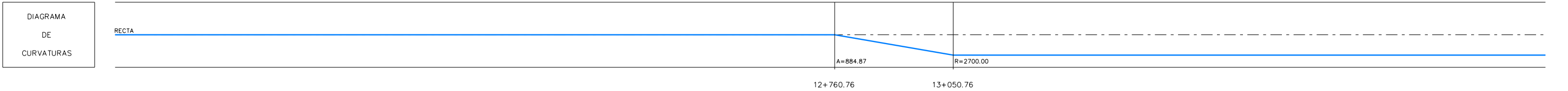


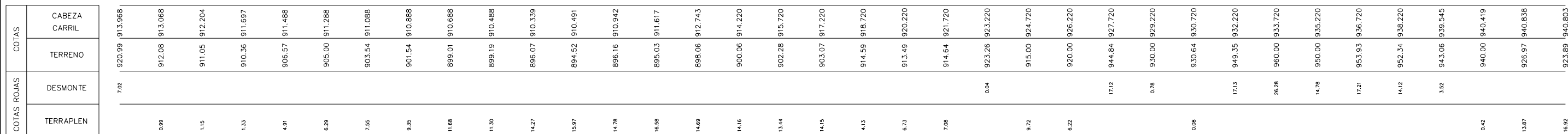
COTAS	COTAS	
	CABEZA CARRIL	TERRENO
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
	897.95	909.086
	896.60	908.863
	895.95	908.287
	896.44	907.687
	896.00	907.087
	896.51	906.487
	896.62	905.959
	897.05	905.670
	898.06	905.470
	898.62	905.270
	899.70	905.070
	901.44	904.870
	902.41	904.670
	902.57	904.470
	902.92	904.270
	903.30	904.070
	900.00	903.870
	898.45	903.670
	897.76	903.470
	896.92	903.270
	896.63	903.070
	897.30	902.870
	897.11	902.670
	897.27	902.470
	896.94	902.270
	895.29	902.070
	891.95	901.870
	895.00	901.670
	899.85	901.470
	900.81	901.271
	900.62	901.151
	900.90	901.140
	900.88	901.140
	900.85	901.140
	901.07	901.140
	900.88	901.140

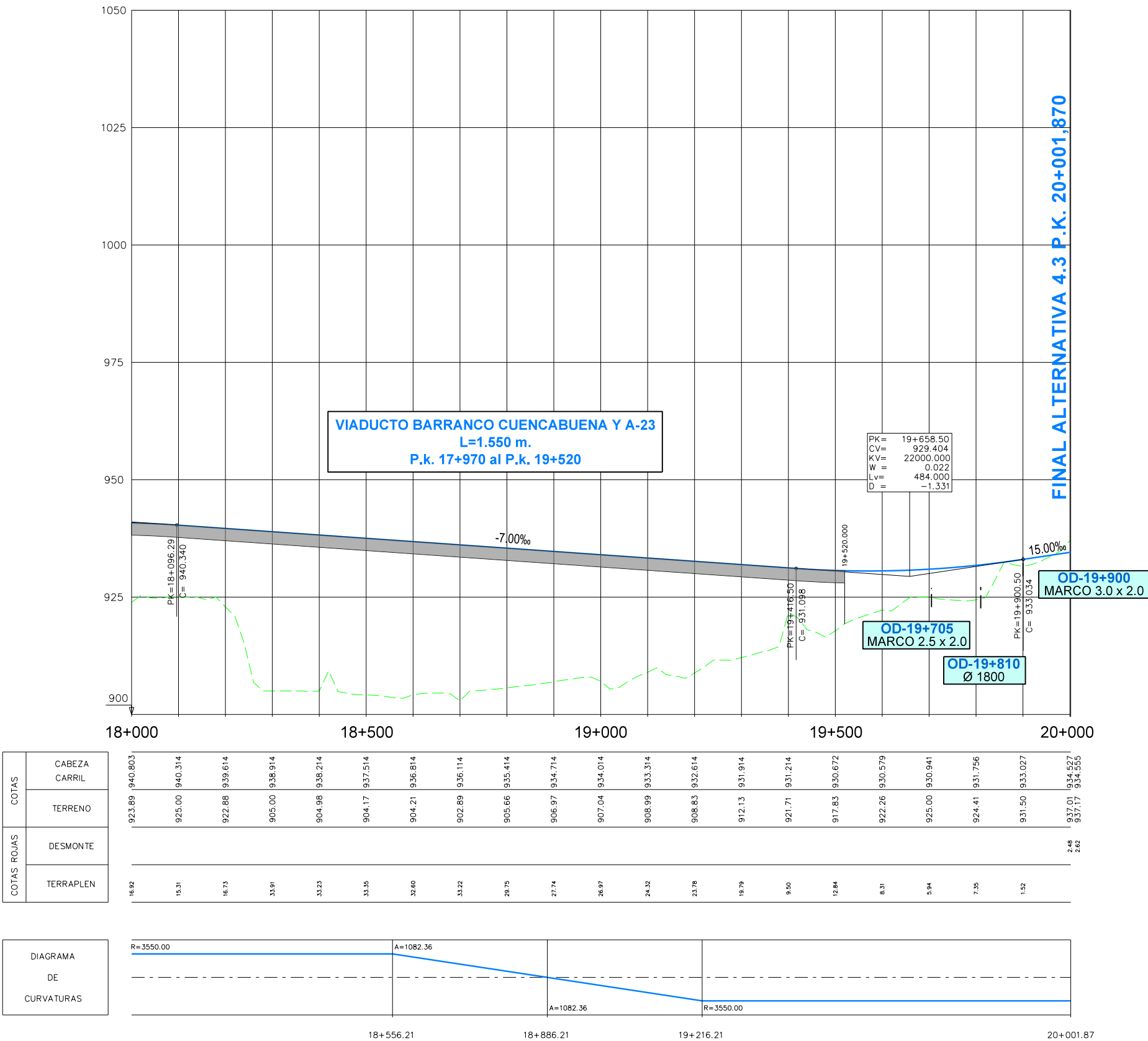


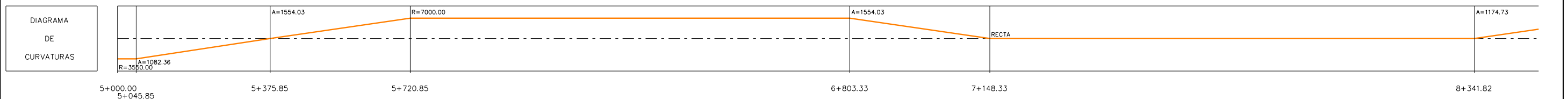
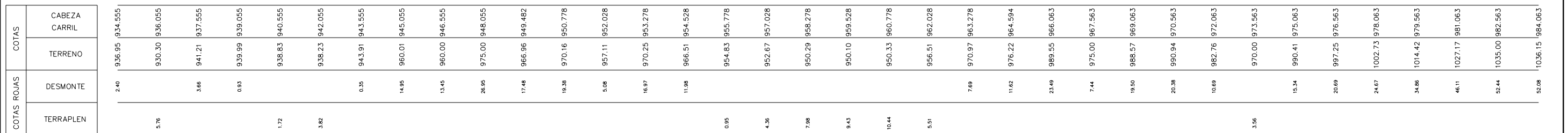


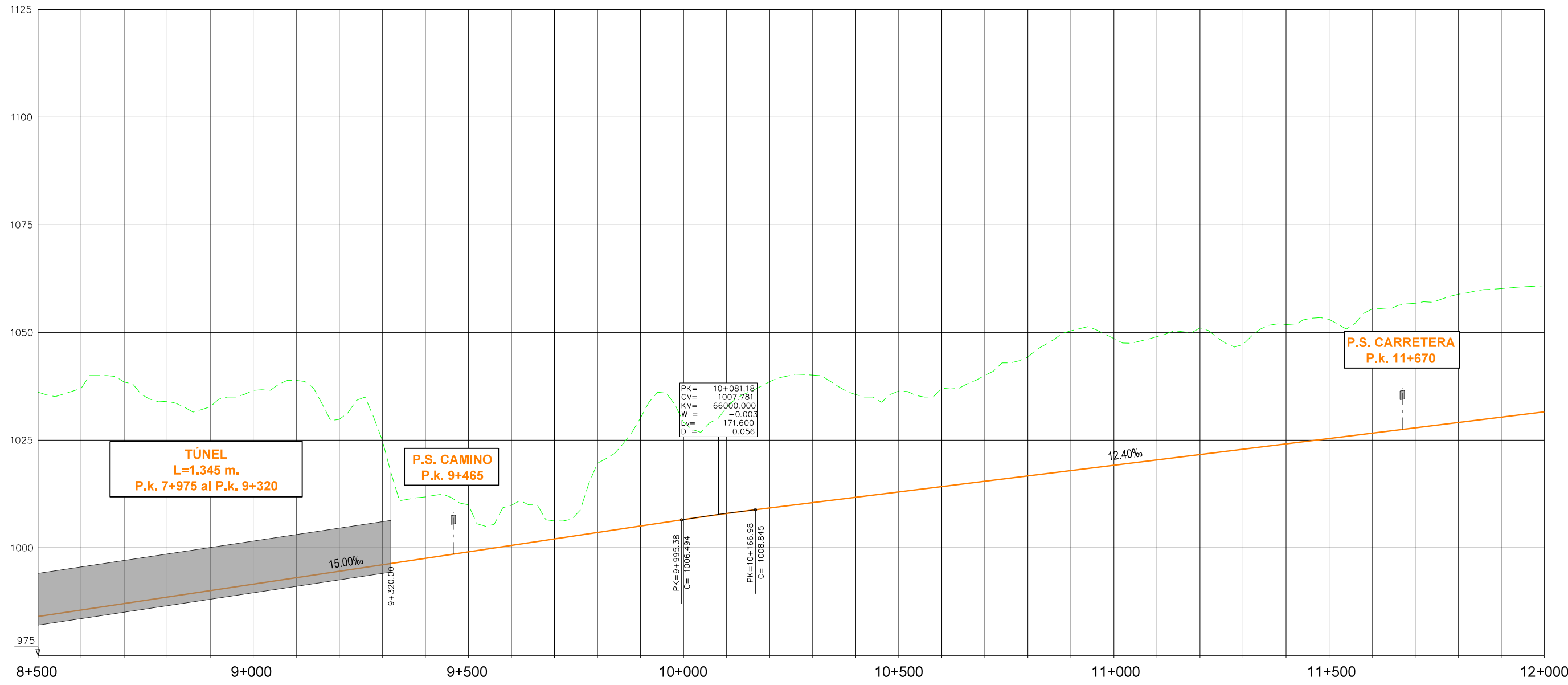
COTAS ROJAS	COTAS		COTAS ROJAS
	CABEZA CARRIL	TERRENO	
	900.88	901.140	0.26
	900.98	901.140	0.16
	901.26	901.361	0.10
	901.59	902.081	0.49
	903.46	903.300	0.16
	904.16	904.799	0.64
	905.74	906.288	0.55
	907.58	907.660	0.08
	906.98	908.895	1.91
	909.82	910.095	0.27
	910.52	911.295	0.77
	912.24	912.495	0.26
	913.43	913.695	0.26
	914.57	914.895	0.32
	915.62	916.095	0.48
	917.16	917.295	0.14
	918.37	918.495	0.13
	919.72	919.695	0.03
	920.80	920.895	0.09
	922.11	922.095	0.01
	923.22	923.295	0.07
	924.40	924.380	0.02
	925.68	924.855	0.83
	926.96	924.663	2.30
	935.61	923.868	11.74
	951.09	922.968	28.12
	953.43	922.068	31.36
	951.83	921.168	30.66
	953.15	920.268	32.88
	952.97	919.368	33.60
	950.00	918.468	31.53
	940.00	917.568	22.43
	934.42	916.668	17.75
	935.43	915.768	19.67
	932.71	914.868	17.84
	920.99	913.968	7.02



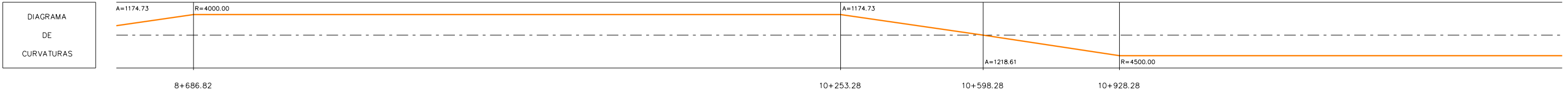


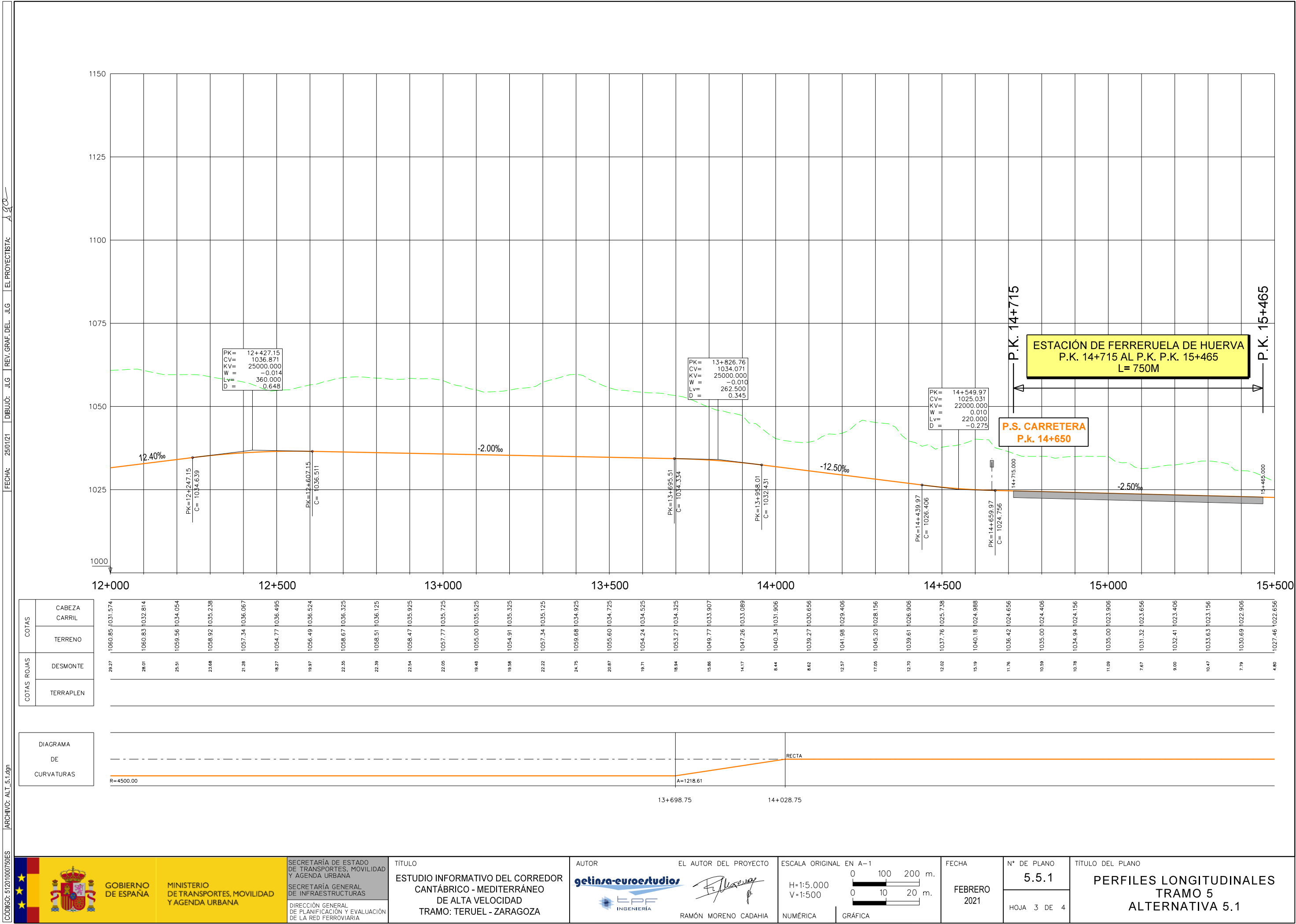


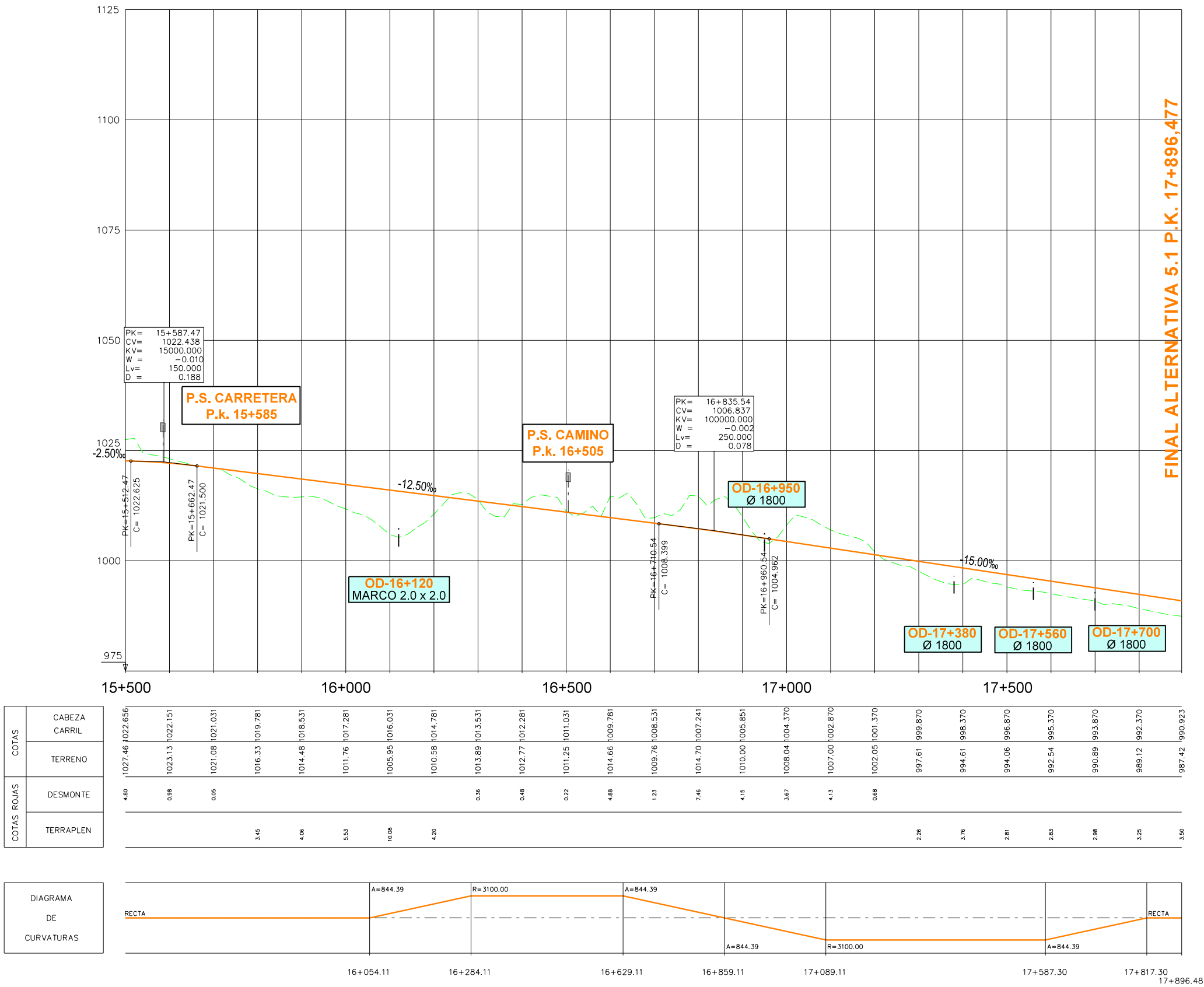


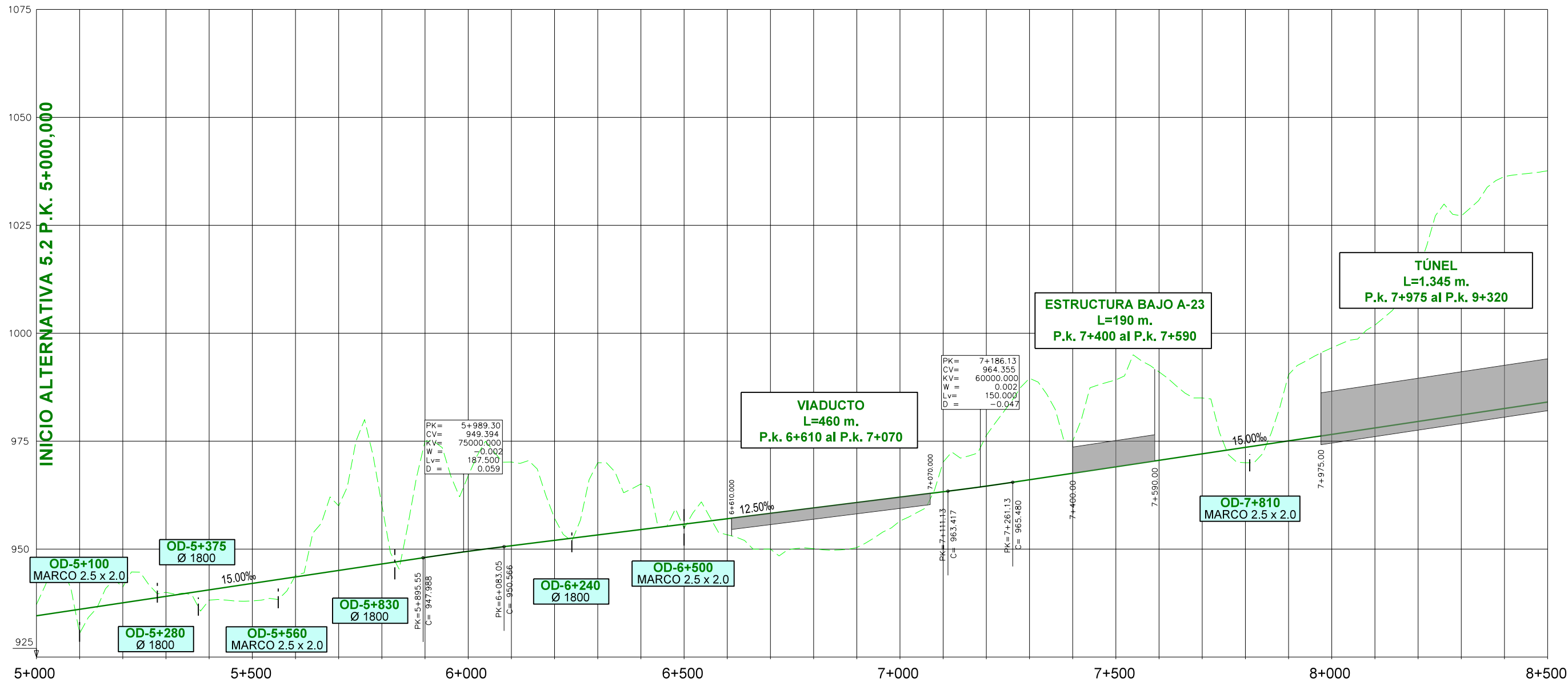


COTAS	COTAS ROJAS	CABEZA CARRIL
		TERRENO
52.08	1036.15	984.063
51.44	1037.00	985.563
51.43	1038.49	987.063
45.46	1034.02	988.563
42.69	1032.75	990.063
44.99	1036.56	991.563
45.81	1038.87	993.063
35.26	1029.82	994.563
28.91	1024.98	996.063
14.25	1011.82	997.563
10.34	1010.00	999.063
9.31	1009.87	1000.563
4.18	1006.24	1002.063
16.08	1019.64	1003.563
25.10	1030.16	1005.063
22.57	1029.13	1006.563
24.61	1032.59	1007.980
29.31	1038.57	1009.254
28.60	1040.10	1010.494
23.85	1035.58	1011.734
23.43	1036.40	1012.974
22.88	1037.10	1014.214
24.98	1040.03	1015.454
27.57	1044.27	1016.694
32.46	1050.40	1017.934
29.41	1048.59	1019.174
28.62	1049.03	1020.414
29.40	1051.05	1021.654
24.30	1047.20	1022.894
27.72	1051.86	1024.134
27.66	1053.04	1025.374
28.85	1055.46	1026.614
28.92	1056.77	1027.854
29.77	1058.87	1029.094
28.85	1060.19	1030.334
29.27	1060.85	1031.574

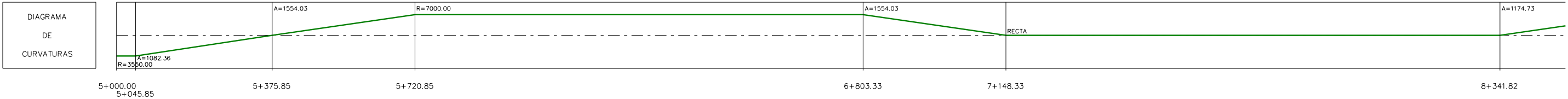


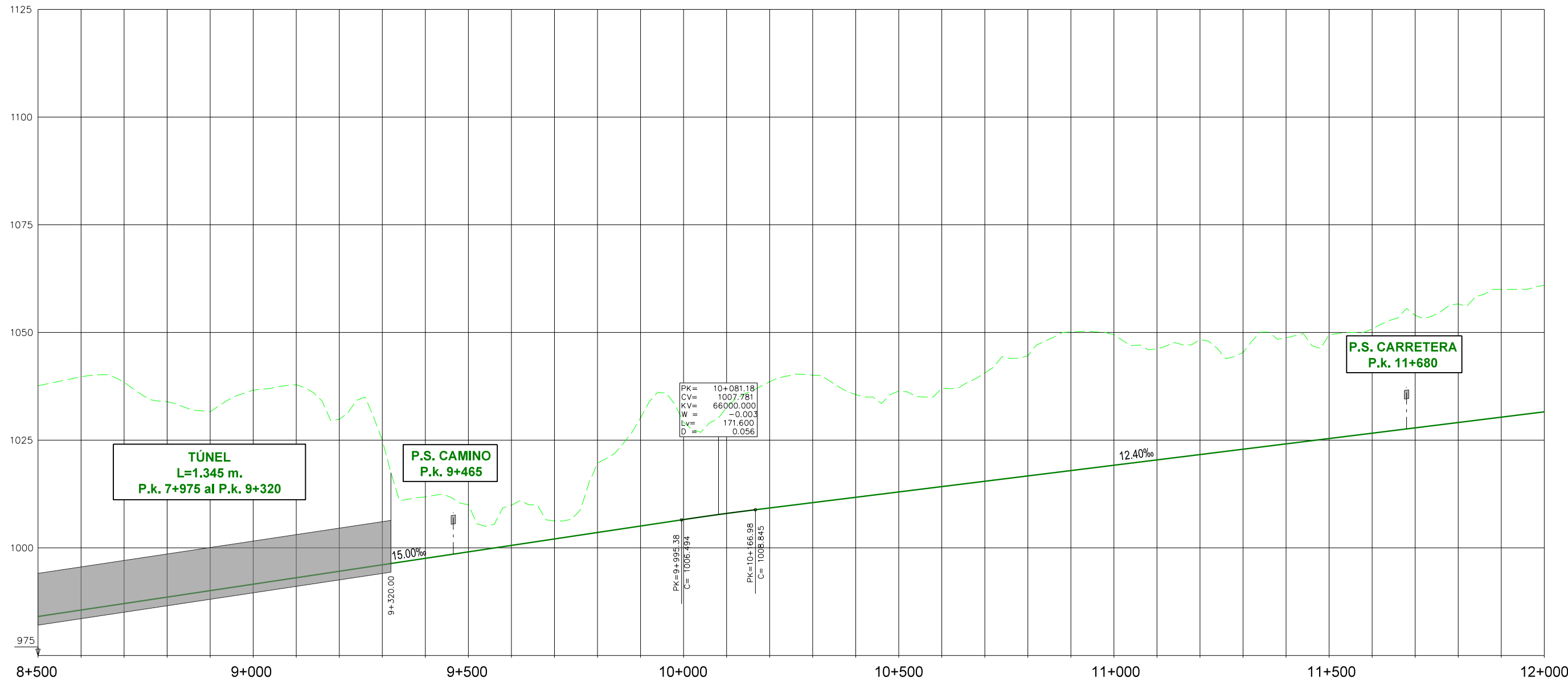




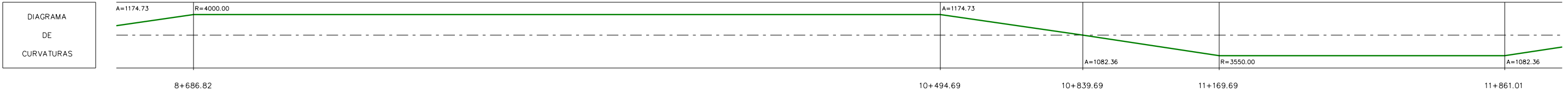


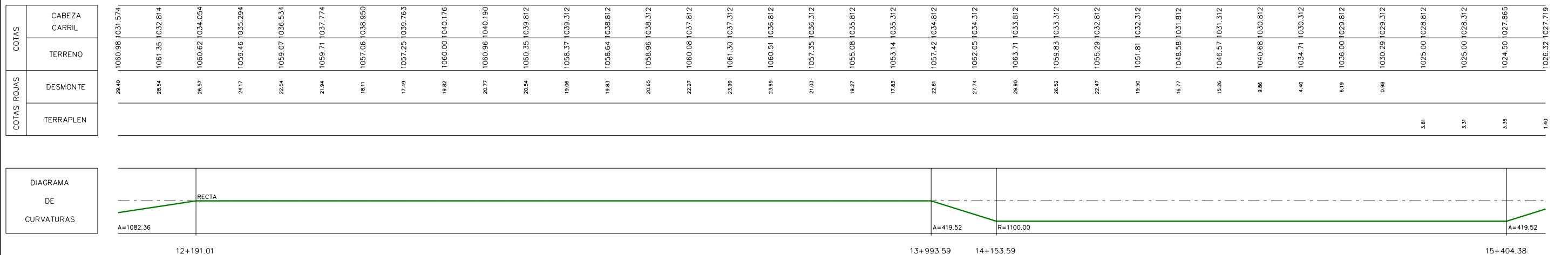
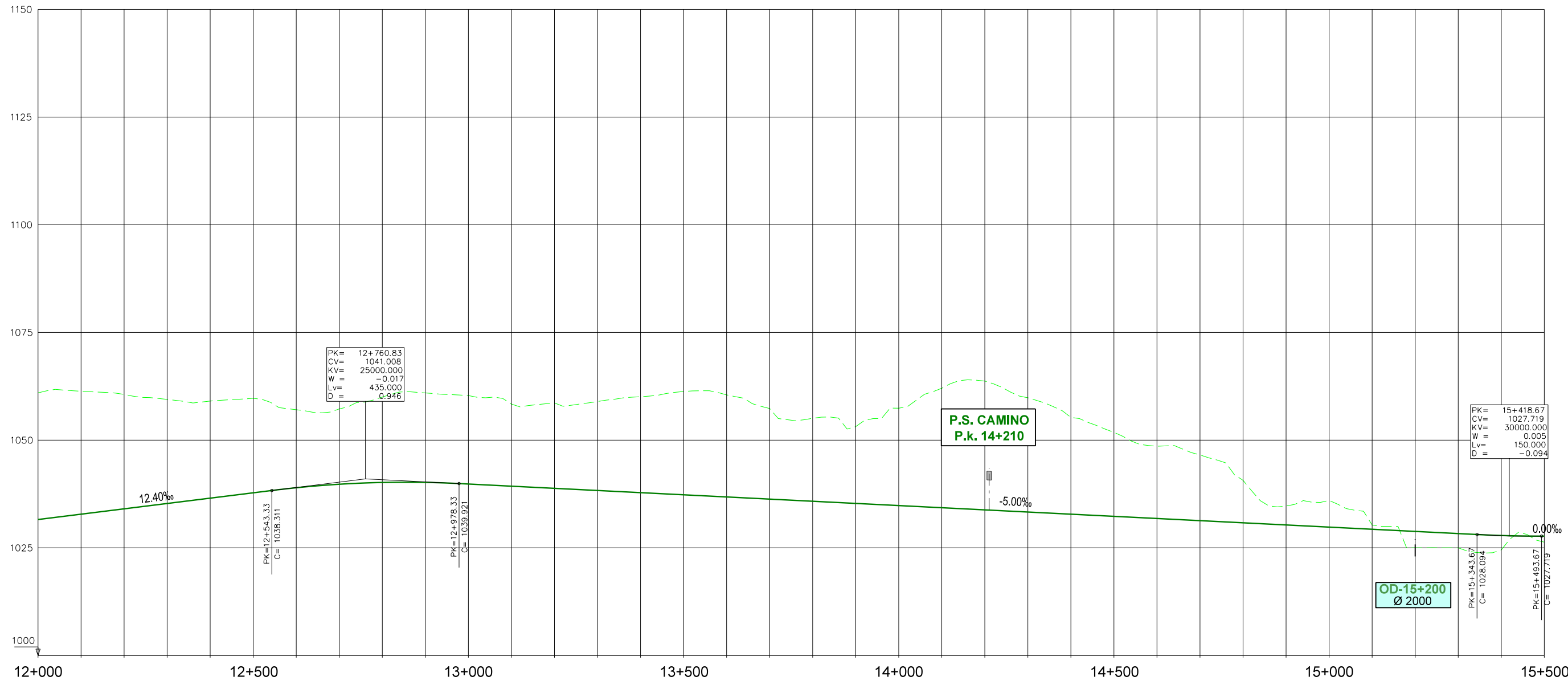
COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	937.17	934.555	2.62		
	930.48	936.055		3.66	
	941.21	937.555		0.33	
	939.99	939.055			
	938.18	940.555			2.38
	938.00	942.055			4.06
	943.91	943.555		0.35	
	960.01	945.055		14.95	
	960.25	946.555		13.69	
	975.00	948.055		26.95	
	966.96	949.482		17.48	
	970.16	950.778		19.38	
	957.11	952.028		5.08	
	970.00	953.278		16.72	
	965.07	954.528		10.54	
	954.83	955.778		0.95	
	953.31	957.028		3.72	
	950.00	958.278		8.28	
	950.08	959.528		9.45	
	950.36	960.778		10.42	
	956.51	962.028		5.51	
	970.16	963.278		6.88	
	976.33	964.594		11.74	
	989.55	966.063		23.49	
	975.00	967.563		7.44	
	989.19	969.063		20.12	
	991.04	970.563		20.48	
	985.00	972.063		12.84	
	970.00	973.563			3.56
	990.41	975.063		15.34	
	996.61	976.563		20.05	
	1001.88	978.063		23.81	
	1014.61	979.563		35.04	
	1027.17	981.063		46.11	
	1036.30	982.563		53.73	
	1037.63	984.063		53.57	

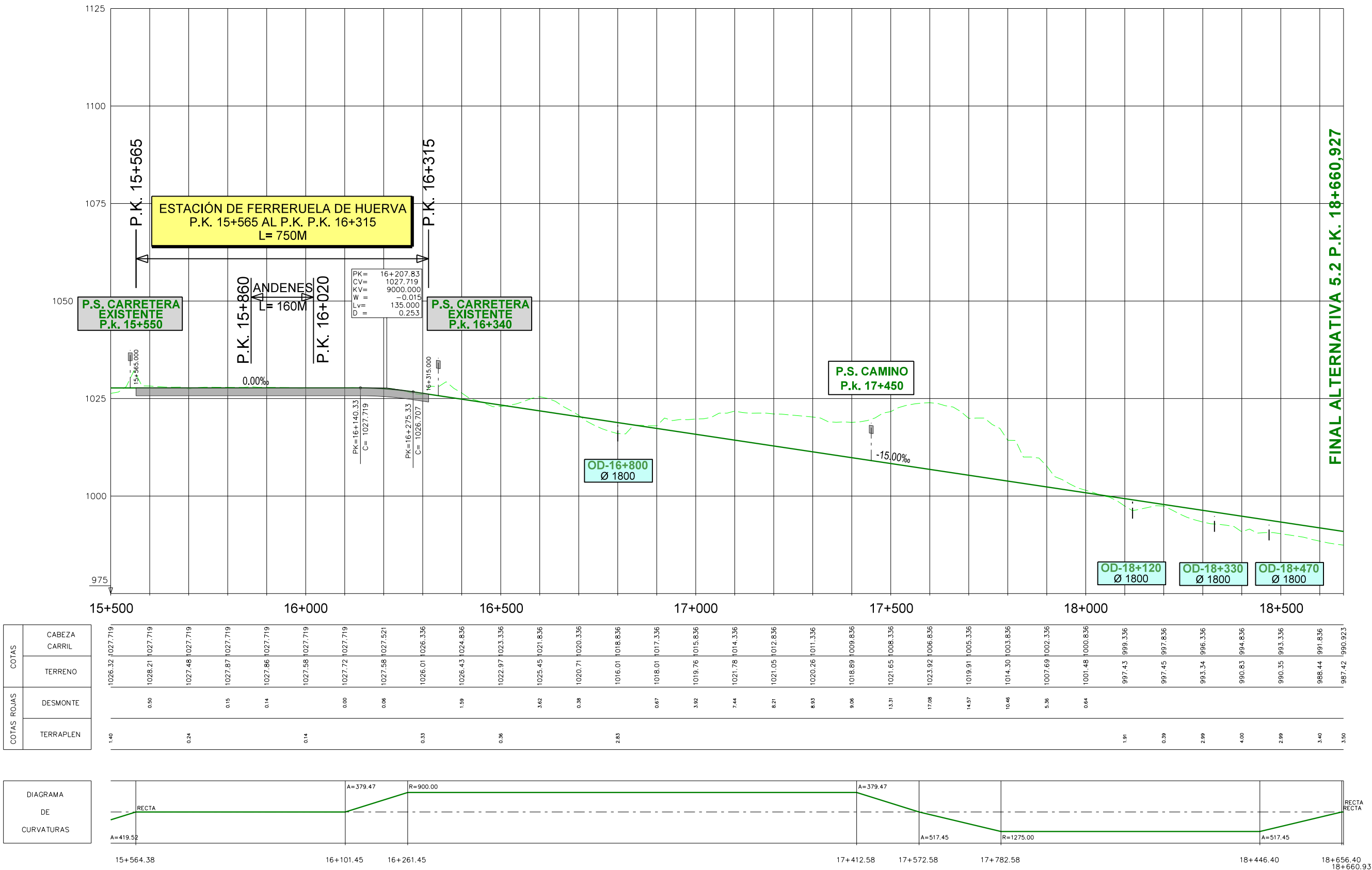




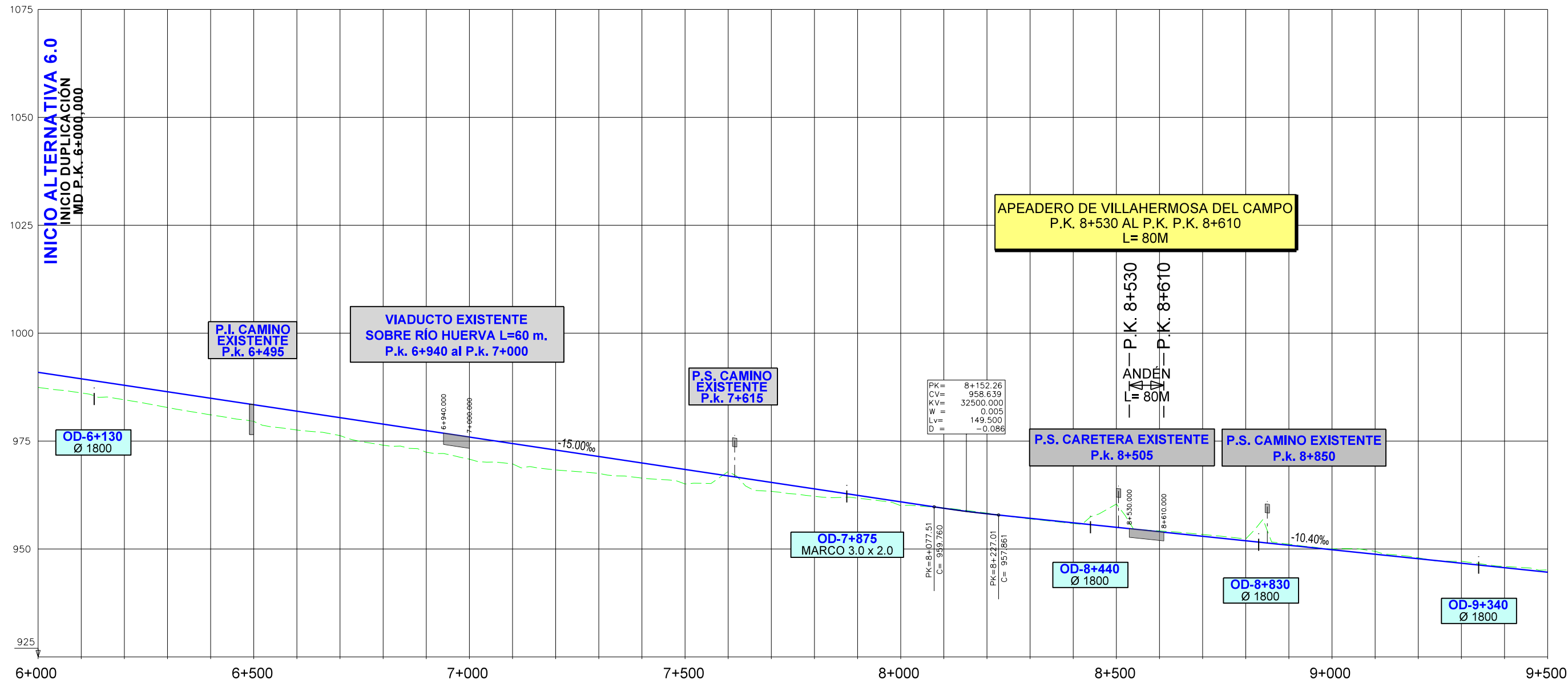
COTAS	COTAS ROJAS	CABEZA CARRIL
		TERRENO
53.57	54.14	51.37
54.14	51.37	45.36
41.53	45.04	44.79
35.26	28.91	14.25
10.84	9.31	4.18
16.08	25.10	22.57
24.61	29.31	28.60
23.85	23.42	22.86
25.13	27.89	32.18
30.28	25.75	26.67
22.44	24.62	24.10
24.62	24.17	26.10
27.52	28.67	29.40
28.40		



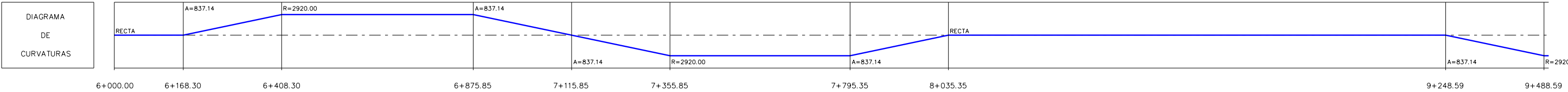


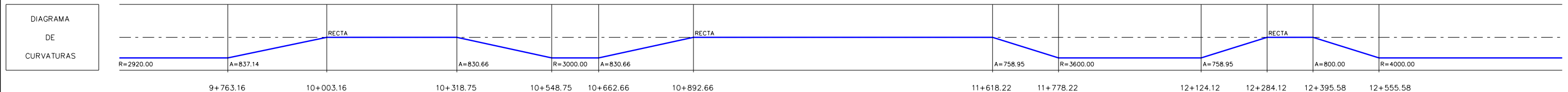


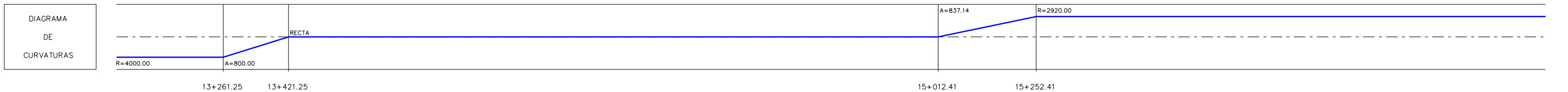
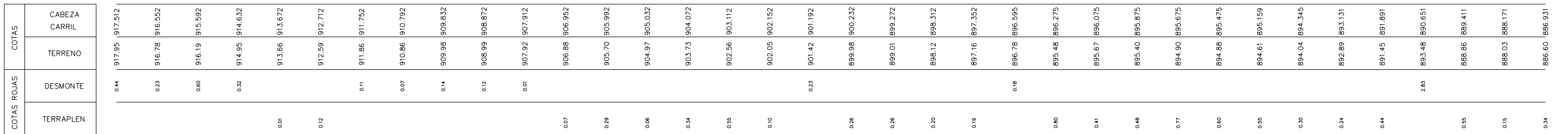
FINAL ALTERNATIVA 5.2 P.K. 18+660,927

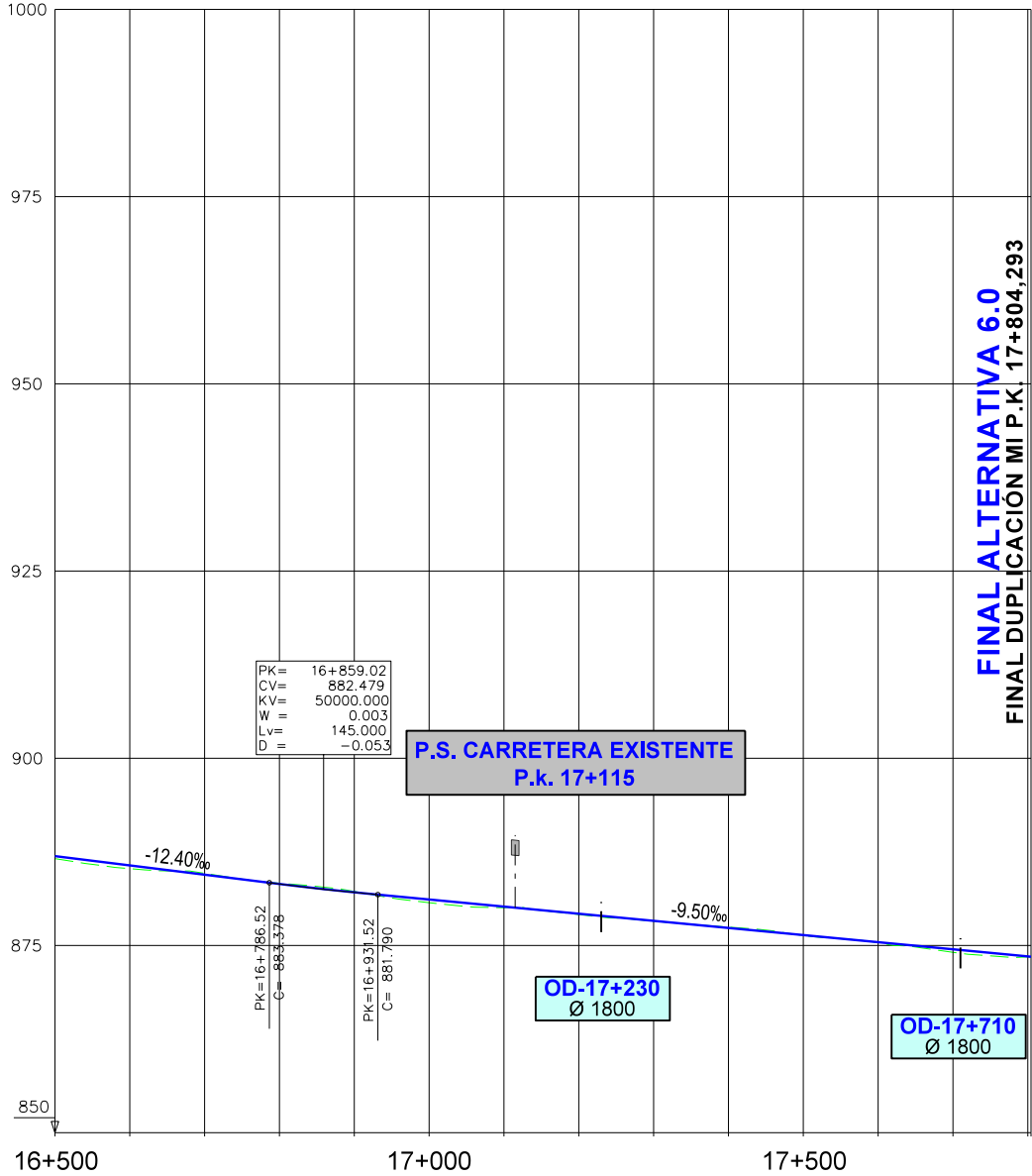


COTAS ROJAS	COTAS	
	DESMONTE	TERRENO
3.50	987.42	990.923
3.28	986.15	989.423
3.36	984.56	987.923
3.65	982.77	986.423
3.85	981.07	984.923
3.87	979.55	983.423
4.37	977.56	981.923
4.15	976.27	980.423
4.88	974.04	978.923
5.02	972.41	977.423
5.12	970.80	975.923
4.71	969.71	974.423
4.61	968.31	972.923
3.91	967.52	971.423
3.51	966.42	969.923
3.36	965.06	968.423
2.07	967.95	966.923
1.71	963.35	965.423
0.65	962.21	963.923
0.88	961.78	962.423
0.10	960.04	960.923
0.17	959.53	959.430
0.15	958.32	958.153
0.16	956.95	957.102
	955.90	956.062
	960.41	955.022
	954.19	953.982
	953.36	952.942
	952.33	951.902
	951.10	950.862
	950.00	949.822
	949.46	948.782
	947.96	947.742
	947.15	946.702
	945.95	945.662
	945.17	944.622









COTAS	CABEZA CARRIL	886.931	885.691	884.451	883.213	882.100	881.140	880.190	879.240	878.290	877.340	876.390	875.440	874.490	873.540
	TERRENO	886.60	885.26	884.63	883.31	882.22	880.71	880.04	879.12	878.24	877.46	876.31	875.36	874.08	873.48
COTAS ROJAS	DESMONTE			0.18	0.10	0.12					0.12				
	TERRAPLEN	0.34	0.43				0.43	0.15	0.12	0.05		0.08	0.08	0.41	0.06

DIAGRAMA DE CURVATURAS

R=2920.00

A=837.14

RECTA

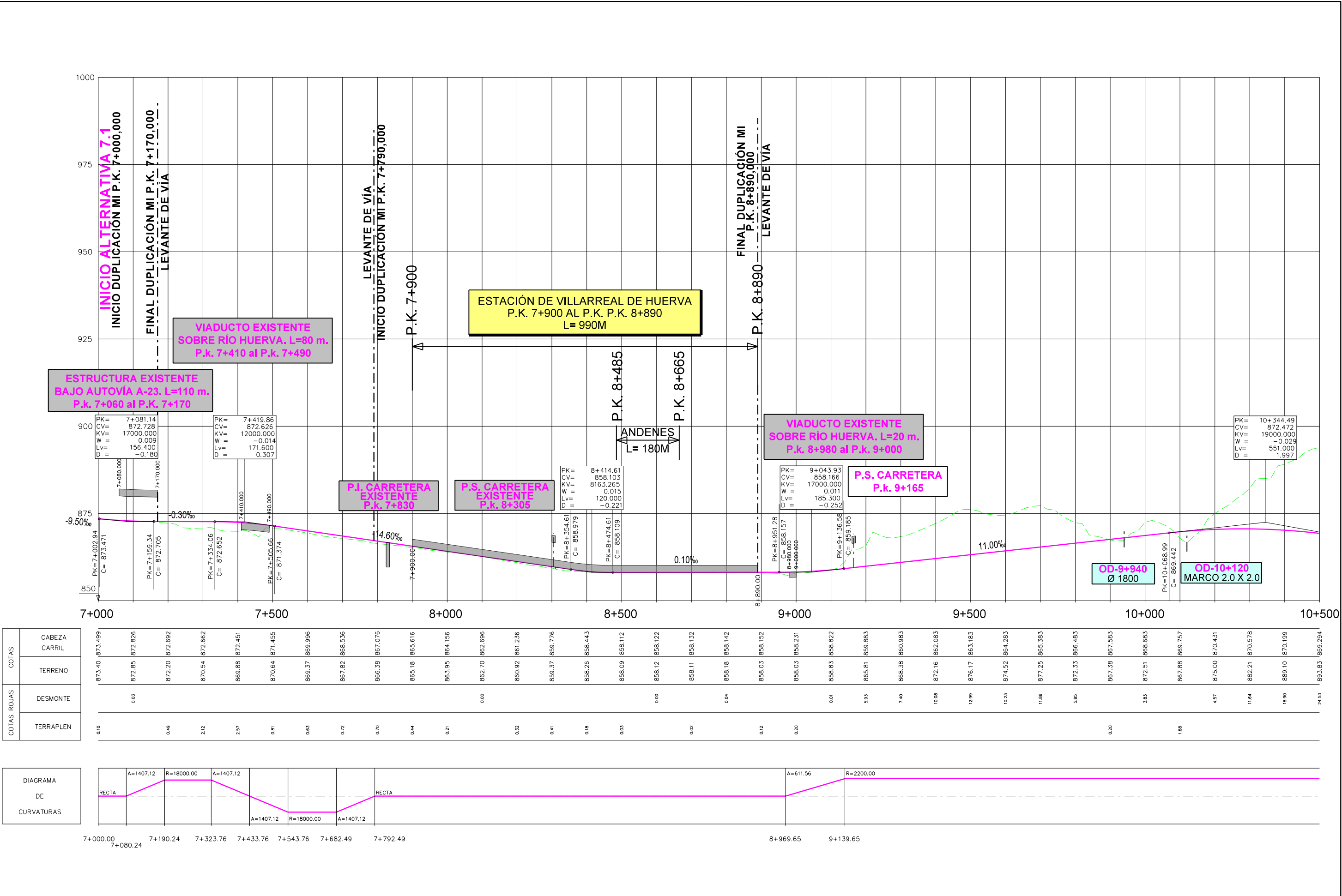
RECTA

16+750.38

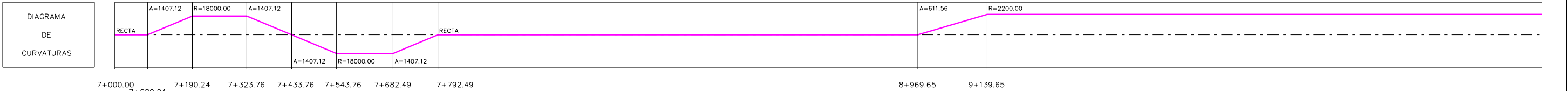
16+990.38

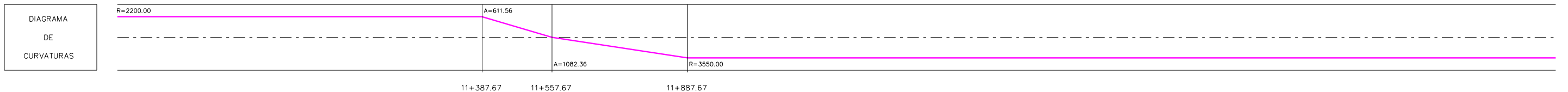
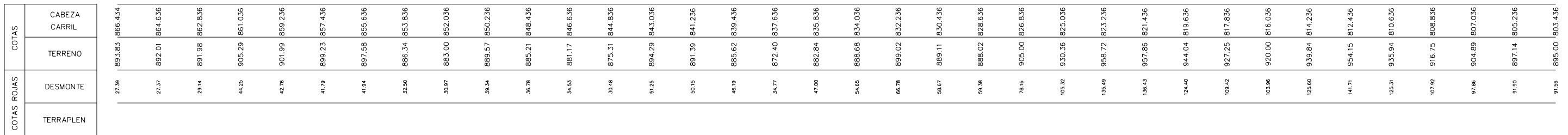
17+804.29

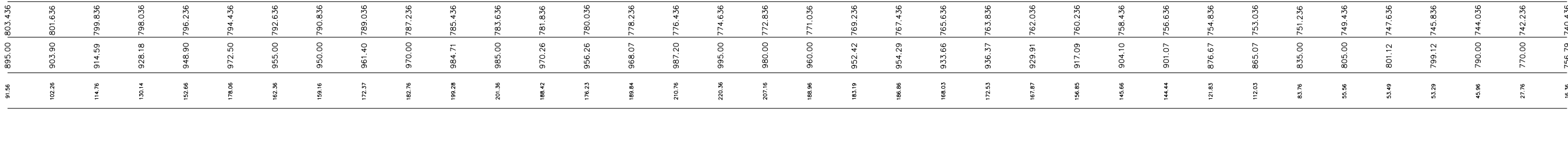
FINAL ALTERNATIVA 6.0
FINAL DUPLICACIÓN MI P.K. 17+804,293

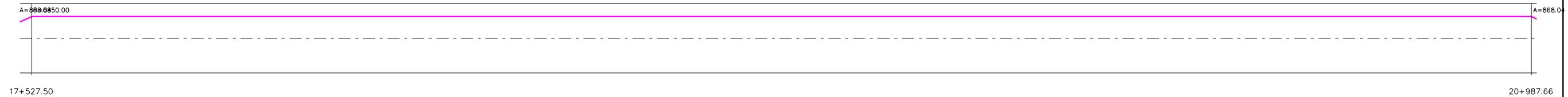


COTAS	COTAS ROJAS	COTAS	
		CABEZA CARRIL	TERRENO
873.40	873.499	873.499	873.40
872.85	872.826	872.826	872.85
872.20	872.692	872.692	872.20
870.54	872.662	872.662	870.54
869.88	872.451	872.451	869.88
870.64	871.455	871.455	870.64
869.37	869.996	869.996	869.37
867.82	868.536	868.536	867.82
866.38	867.076	867.076	866.38
865.18	865.616	865.616	865.18
864.156	864.156	864.156	864.156
862.70	862.696	862.696	862.70
860.92	861.236	861.236	860.92
859.37	859.776	859.776	859.37
858.26	858.443	858.443	858.26
858.09	858.112	858.112	858.09
858.12	858.122	858.122	858.12
858.11	858.132	858.132	858.11
858.18	858.142	858.142	858.18
858.03	858.152	858.152	858.03
858.03	858.231	858.231	858.03
858.83	858.822	858.822	858.83
865.81	859.883	859.883	865.81
868.38	860.983	860.983	868.38
872.16	862.083	862.083	872.16
876.17	863.183	863.183	876.17
874.52	864.283	864.283	874.52
877.25	865.383	865.383	877.25
872.33	866.483	866.483	872.33
867.38	867.583	867.583	867.38
872.51	868.683	868.683	872.51
867.88	869.757	869.757	867.88
875.00	870.431	870.431	875.00
882.21	870.578	870.578	882.21
889.10	870.199	870.199	889.10
893.83	869.294	869.294	893.83

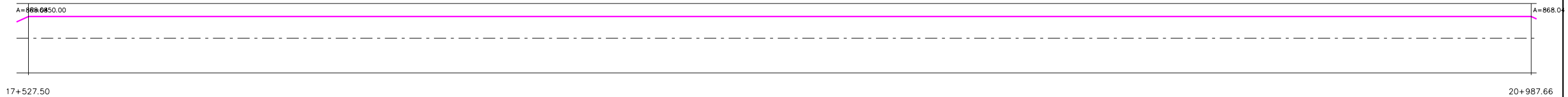


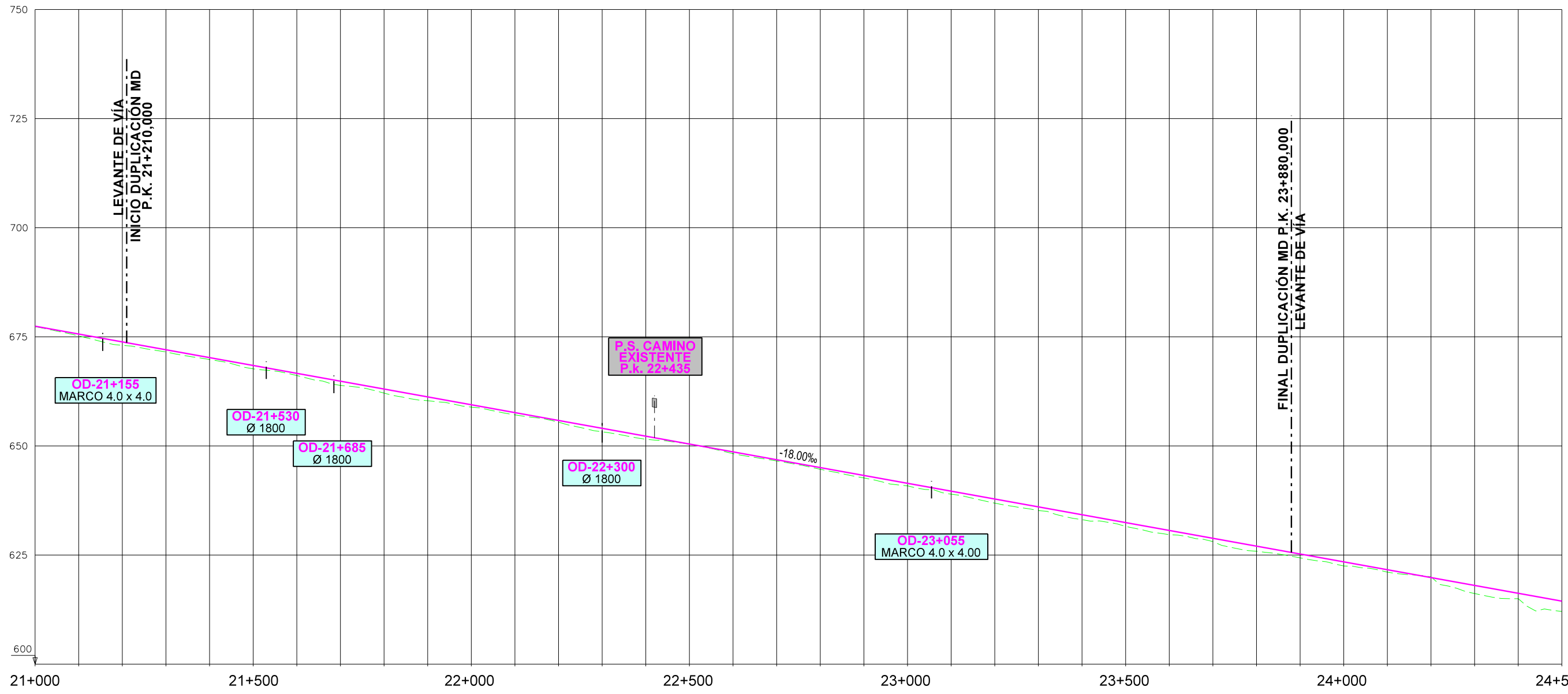




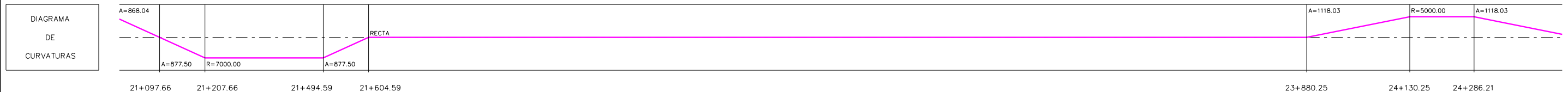


COTAS ROJAS		COTAS	
TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
18.36			756.79 740.436
23.05			761.68 738.636
19.28			756.11 736.836
15.16			750.20 735.036
7.70			740.93 733.236
16.56			747.99 731.436
4.77			734.41 729.636
2.15			729.98 727.836
1.31			724.72 726.036
1.88			722.36 724.236
0.44			721.99 722.436
0.73			719.90 720.636
1.09			719.92 718.836
0.64			716.39 717.036
3.74			711.49 715.236
1.56			711.87 713.436
4.85			706.79 711.636
5.21			715.04 709.836
8.07			716.11 708.036
0.54			706.77 706.236
8.58			713.02 704.436
2.22			704.85 702.636
0.72			700.12 700.836
9.27			689.77 699.036
12.24			685.00 697.236
14.54			680.90 695.436
10.36			683.27 693.636
1.90			689.93 691.836
2.32			692.35 690.036
2.66			690.90 688.236
4.29			682.15 686.436
2.98			681.65 684.636
0.63			682.21 682.836
1.15			679.88 681.036
0.17			679.06 679.236
0.11			677.33 677.436

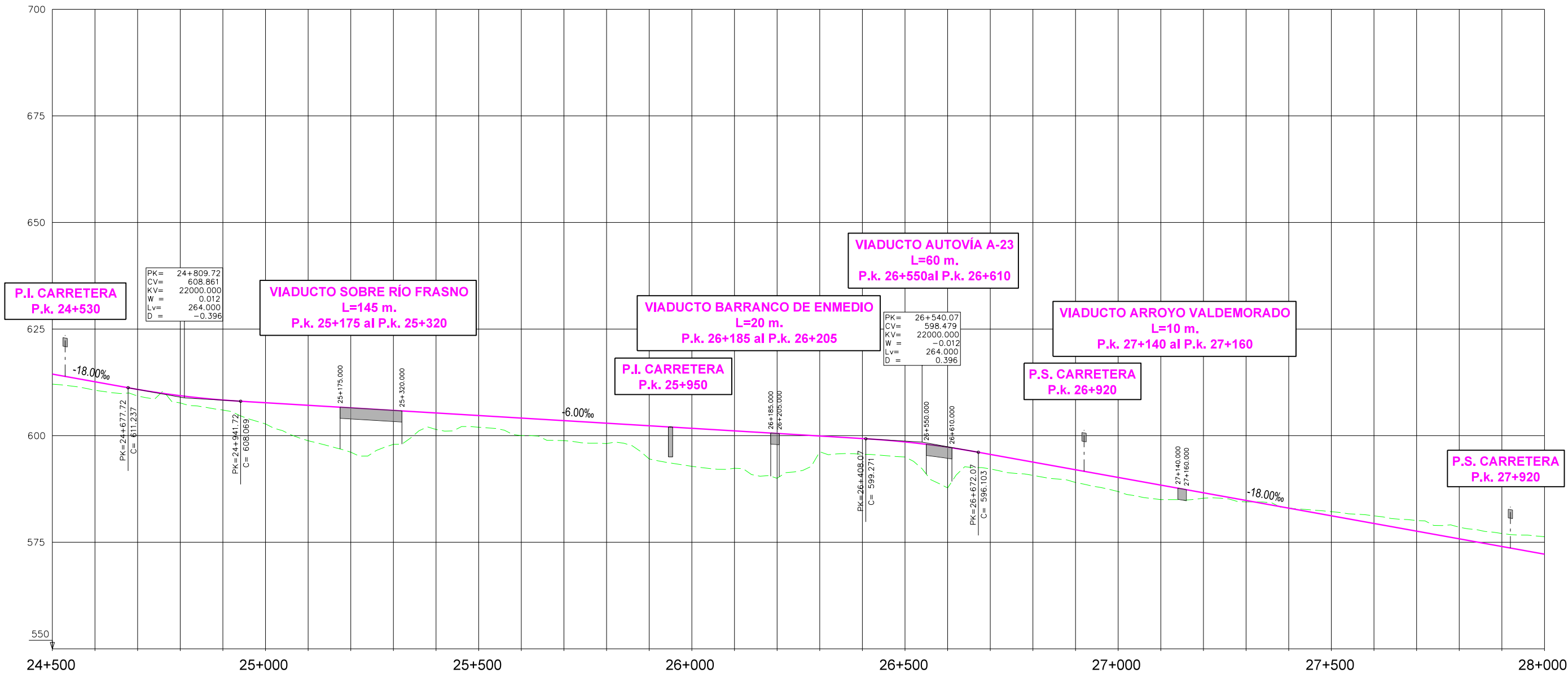




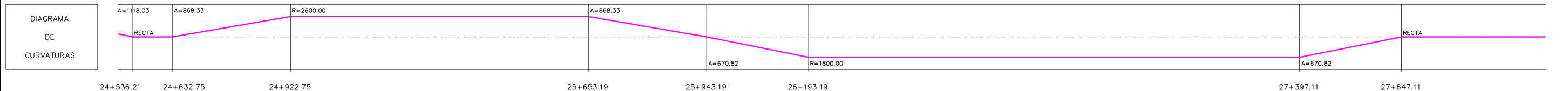
COTAS ROJAS	COTAS	
	TERRENO	CABEZA CARRIL
0.11	677.33	677.436
0.43	675.20	675.636
0.80	673.04	673.836
0.49	671.54	672.036
0.44	669.79	670.236
0.77	667.66	668.436
0.90	666.13	666.636
0.97	663.87	664.836
0.93	662.11	663.036
0.87	660.37	661.236
0.55	658.89	659.436
0.52	657.12	657.636
0.39	655.45	655.836
0.80	653.24	654.036
0.71	651.53	652.236
0.05	650.39	650.436
0.40	648.23	648.636
0.27	646.57	646.836
0.39	644.65	645.036
0.57	642.66	643.236
0.58	640.86	641.436
0.70	638.94	639.636
0.95	636.89	637.836
0.85	635.18	636.036
1.13	633.11	634.236
0.88	631.55	632.436
0.97	629.67	630.636
0.75	628.08	628.836
1.16	625.87	627.036
0.88	624.35	625.236
0.95	622.49	623.436
0.96	621.08	621.636
	620.00	619.836
1.86	616.18	618.036
1.24	615.00	616.236
2.36	612.08	614.436

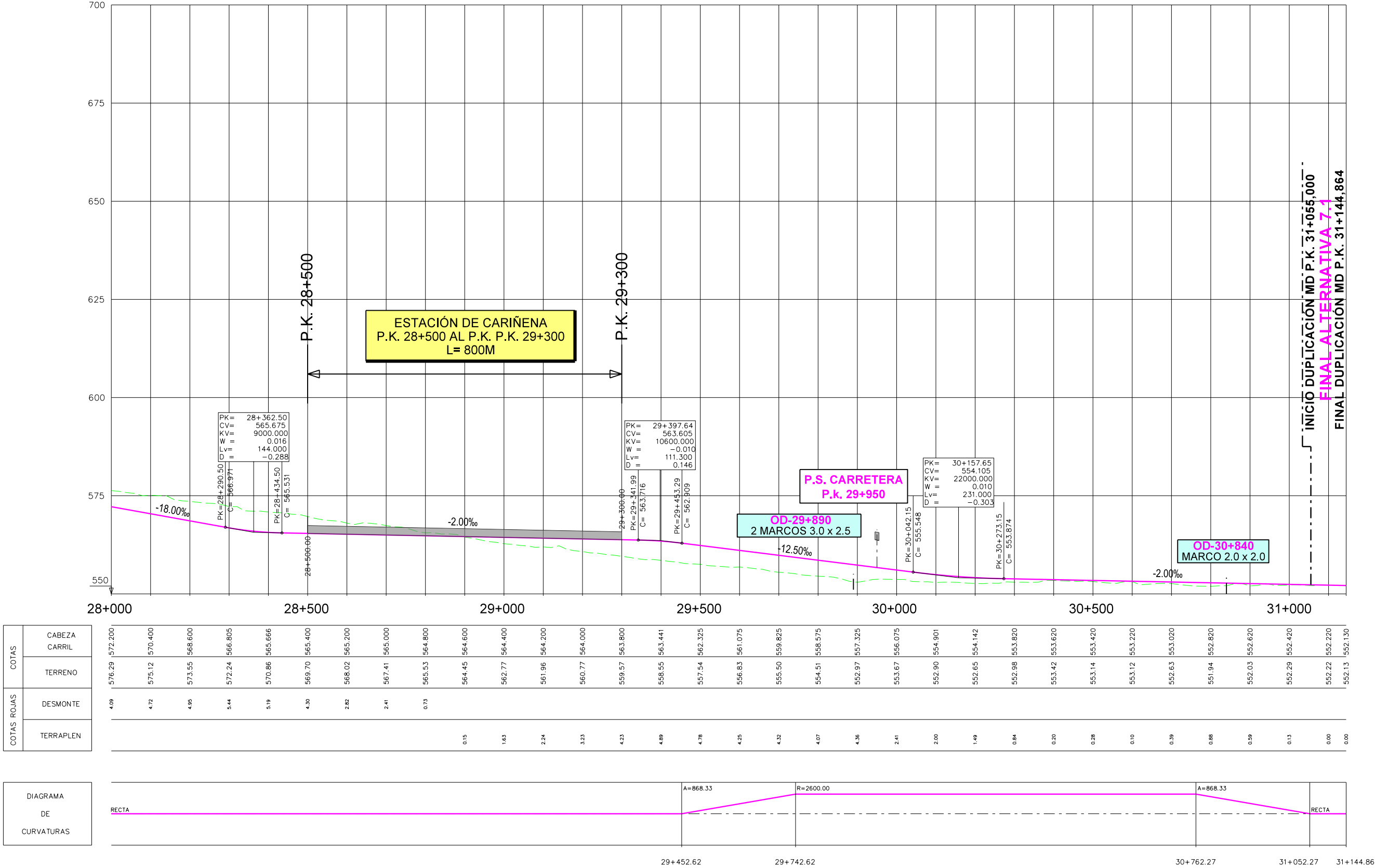


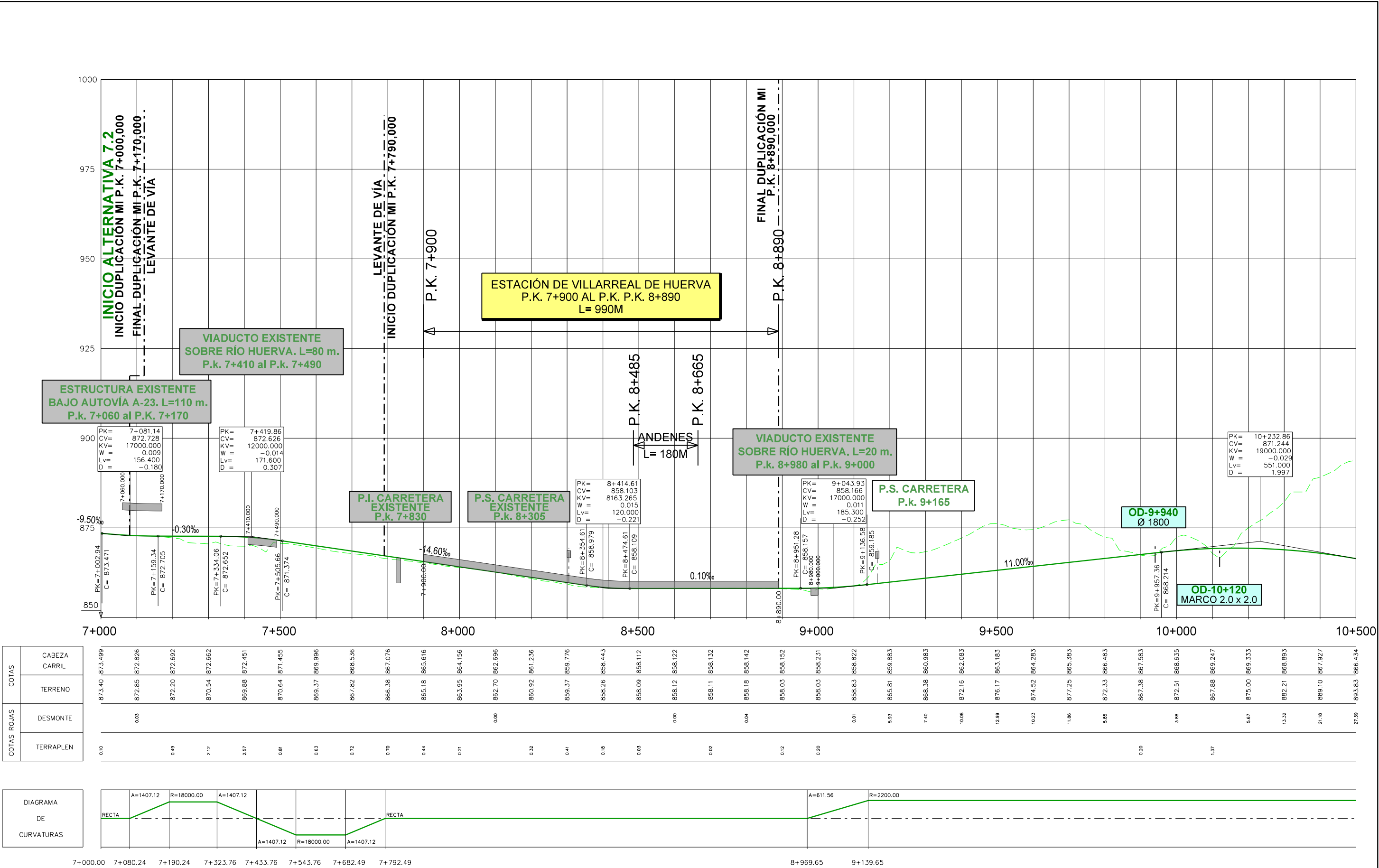
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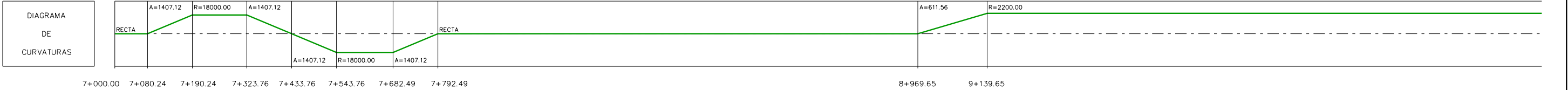
COTAS	COTAS		COTAS ROJAS	
	CABEZA CARRIL	TERRENO		
	614.436	612.636	612.08	2.36
		610.63	610.63	2.01
		609.29	610.847	1.56
		609.376	609.376	1.70
		608.359	608.359	2.35
		607.719	607.719	4.97
		607.119	607.119	8.31
		606.519	606.519	10.40
		605.919	605.919	7.97
		605.319	605.319	3.87
		604.719	604.719	2.75
		604.119	604.119	4.12
		603.519	603.519	4.69
		602.919	602.919	4.79
		602.319	602.319	7.79
		601.719	601.719	8.91
		601.119	601.119	8.77
		600.519	600.519	10.52
		599.919	599.919	3.71
		599.319	599.319	3.70
		598.527	598.527	3.53
		597.282	597.282	9.55
		595.600	595.600	3.40
		593.800	593.800	3.11
		592.000	592.000	2.99
		590.200	590.200	3.31
		588.400	588.400	3.40
		586.600	586.600	1.26
		584.800	584.800	0.35
		583.000	583.000	0.04
		581.200	581.200	0.96
		579.400	579.400	1.78
		577.600	577.600	2.50
		575.800	575.800	2.72
		574.000	574.000	3.05
		572.200	572.200	4.09

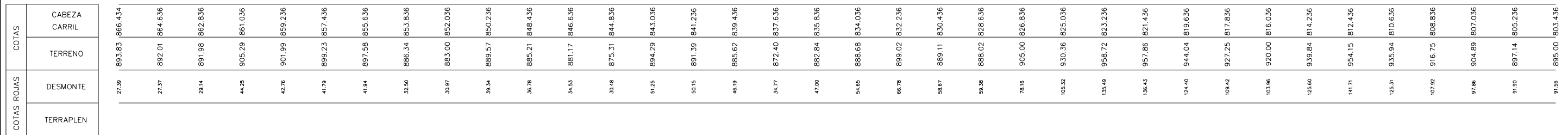


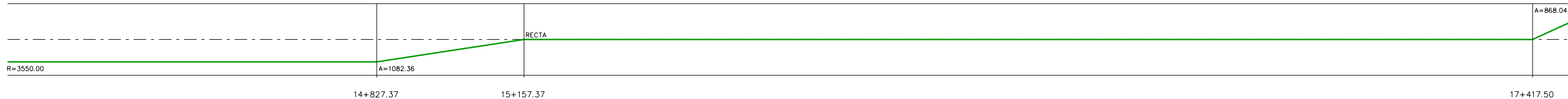
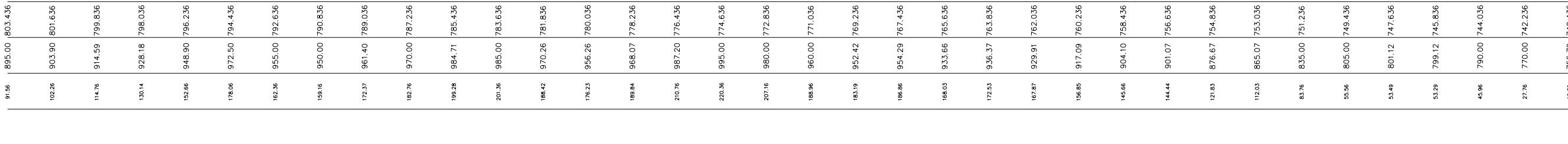


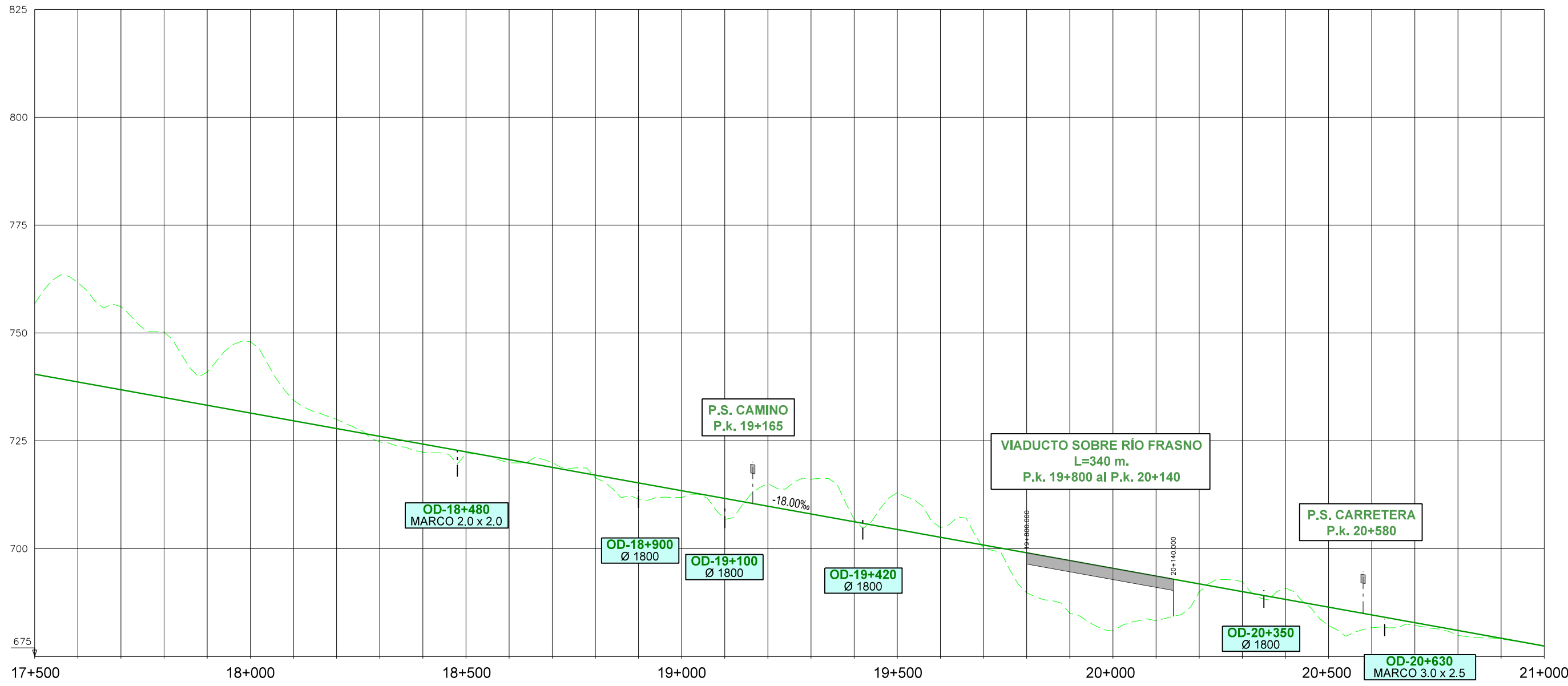


COTAS	COTAS ROJAS	COTAS	
		CABEZA CARRIL	TERRENO
873.40	0.03	873.499	873.40
872.85	0.49	872.826	872.85
872.20	2.12	872.692	872.20
870.54	2.57	872.662	870.54
869.88	0.81	872.451	869.88
870.64	0.63	871.455	870.64
869.37	0.72	869.996	869.37
867.82	0.70	868.536	867.82
866.38	0.44	867.076	866.38
865.18	0.21	865.616	865.18
864.156	0.32	864.156	864.156
862.70	0.41	862.696	862.70
860.92	0.18	861.236	860.92
859.37	0.03	859.776	859.37
858.26	0.02	858.443	858.26
858.09	0.12	858.112	858.09
858.12	0.20	858.122	858.12
858.11	0.04	858.132	858.11
858.18	0.01	858.142	858.18
858.03	5.93	858.152	858.03
858.03	7.40	858.231	858.03
858.83	10.08	858.822	858.83
865.81	12.99	859.883	865.81
868.38	10.23	860.983	868.38
872.16	11.86	862.083	872.16
876.17	5.85	863.183	876.17
874.52	1.88	864.283	874.52
877.25	1.37	865.383	877.25
872.33	0.20	866.483	872.33
867.38	0.03	867.583	867.38
872.51	0.03	868.635	872.51
867.88	0.03	869.247	867.88
875.00	0.03	869.333	875.00
882.21	0.03	868.893	882.21
889.10	0.03	867.927	889.10
893.83	0.03	866.434	893.83

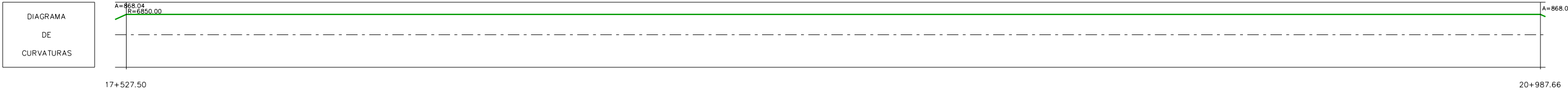


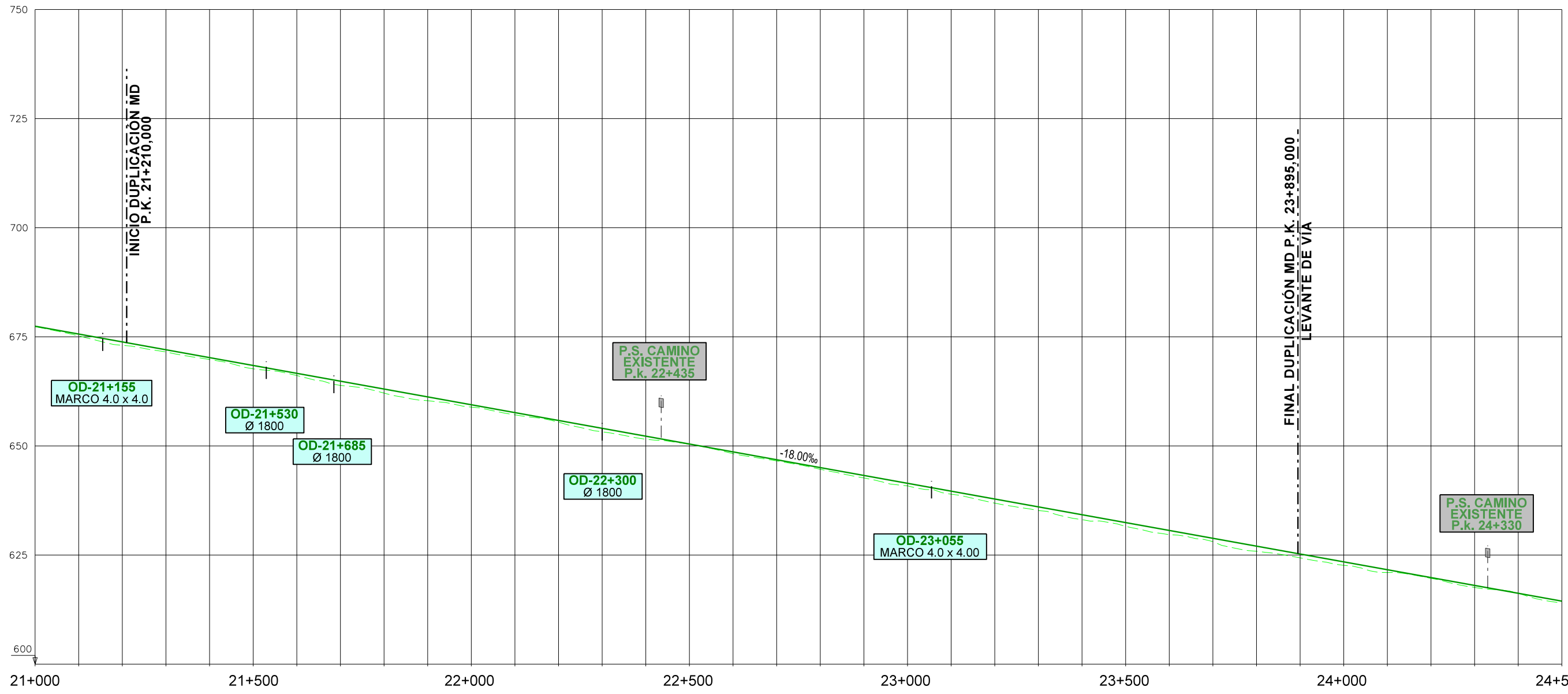




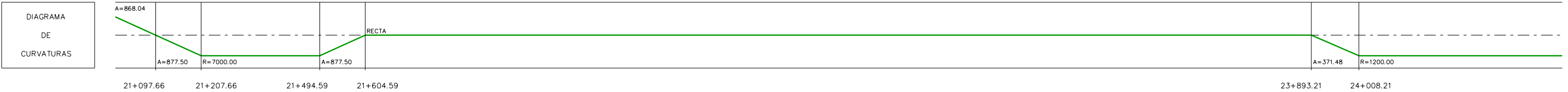


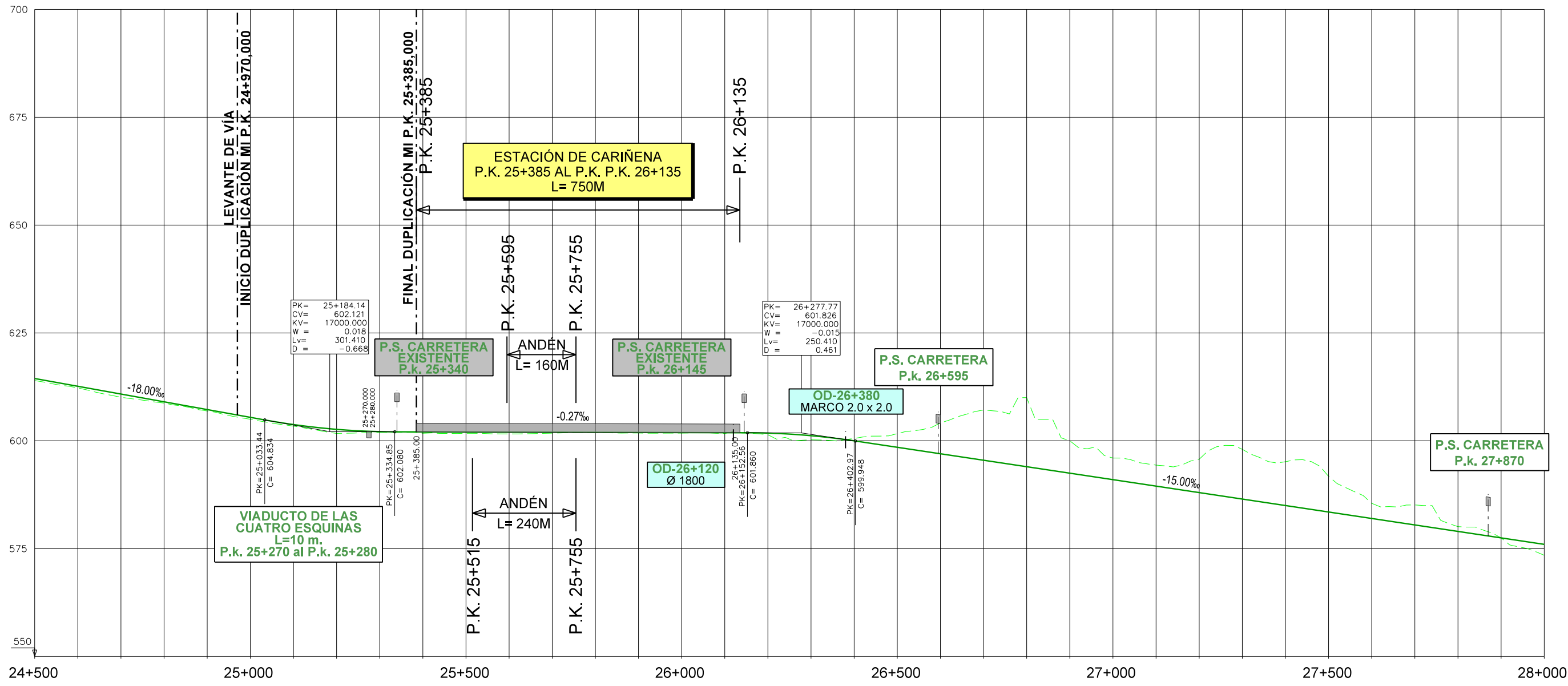
COTAS	COTAS ROJAS	CABEZA CARRIL	TERRENO	DESMONTE	TERRAPLEN
		756.79	740.436	16.36	
			761.68	23.05	
			756.11	19.28	
			750.20	15.16	
			740.93	7.70	
			747.99	16.56	
			734.41	4.77	
			729.98	2.15	
			724.72		1.31
			722.36		1.88
			721.99		0.44
			719.90		0.73
			719.92		
			718.836	1.09	
			717.036		0.64
			715.236		3.74
			713.436		1.56
			711.636		4.85
			709.836	5.21	
			708.036	8.07	
			706.236	0.54	
			704.436	8.58	
			702.636	2.22	
			700.836		0.72
			699.036		9.27
			697.236		12.24
			695.436		14.54
			693.636		10.36
			691.836		1.90
			690.036	2.32	
			688.236	2.66	
			686.436		4.29
			684.636		2.98
			682.836		0.63
			681.036		1.15
			679.236		0.17
			677.436		0.11



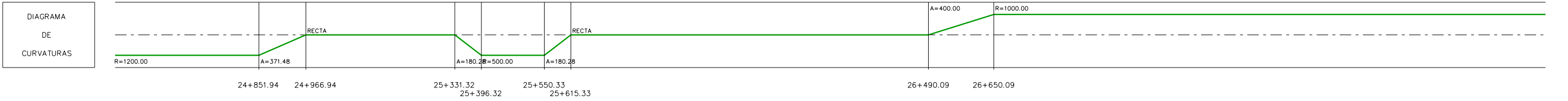


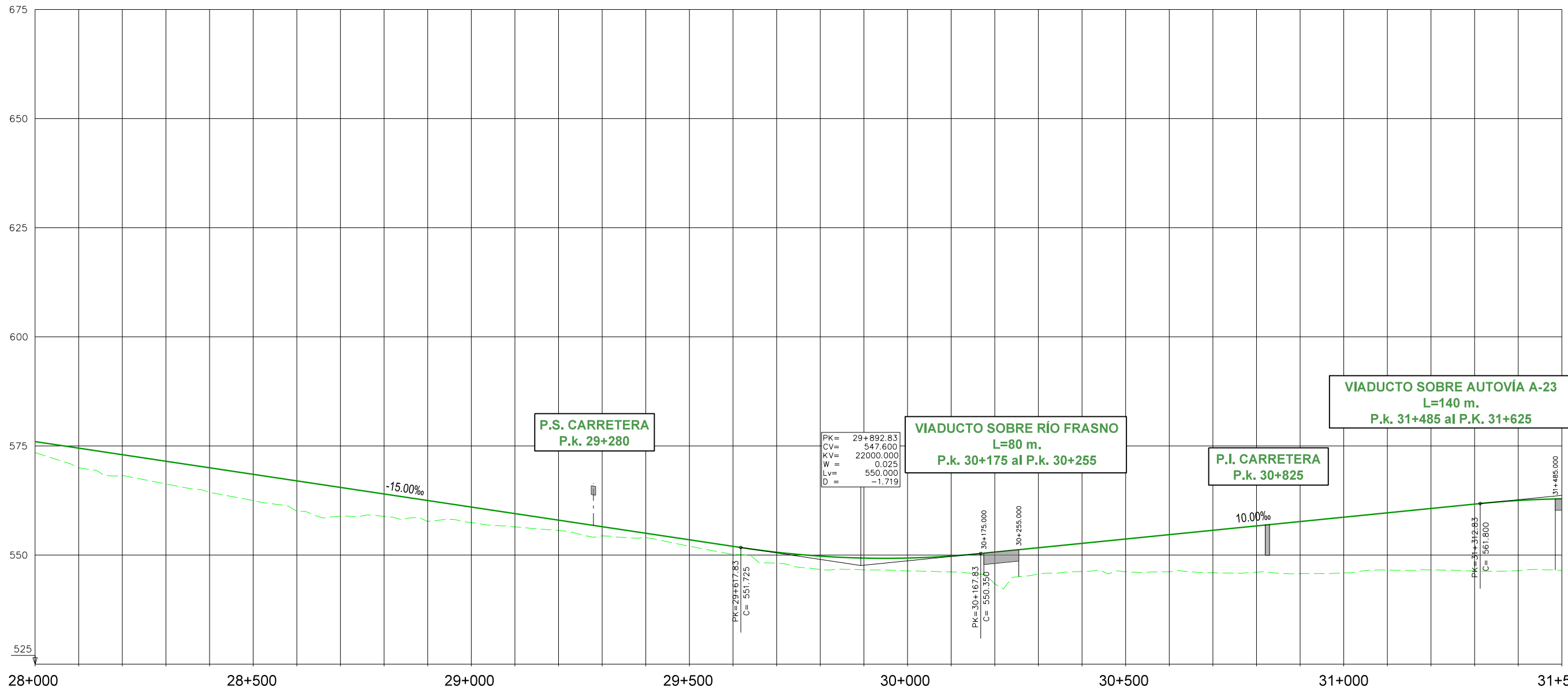
COTAS	COTAS	
	CABEZA CARRIL	TERRENO
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
	677.33	677.436
	675.20	675.636
	673.04	673.836
	671.54	672.036
	669.79	670.236
	667.66	668.436
	666.13	666.636
	663.87	664.836
	662.11	663.036
	660.37	661.236
	658.89	659.436
	657.12	657.636
	655.45	655.836
	653.24	654.036
	651.53	652.236
	650.39	650.436
	648.23	648.636
	646.57	646.836
	644.65	645.036
	642.66	643.236
	640.86	641.436
	638.94	639.636
	636.89	637.836
	635.18	636.036
	633.11	634.236
	631.55	632.436
	629.67	630.636
	628.08	628.836
	625.87	627.036
	624.35	625.236
	622.64	623.436
	620.99	621.636
	619.65	619.836
	617.58	618.036
	616.26	616.236
	613.96	614.436
		0.02
		0.47



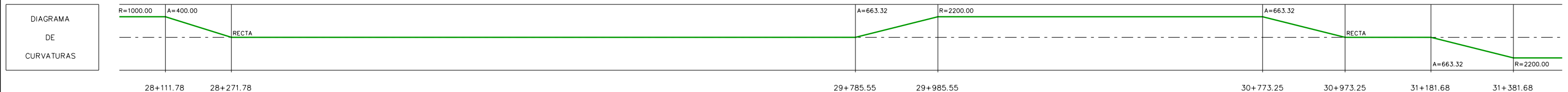


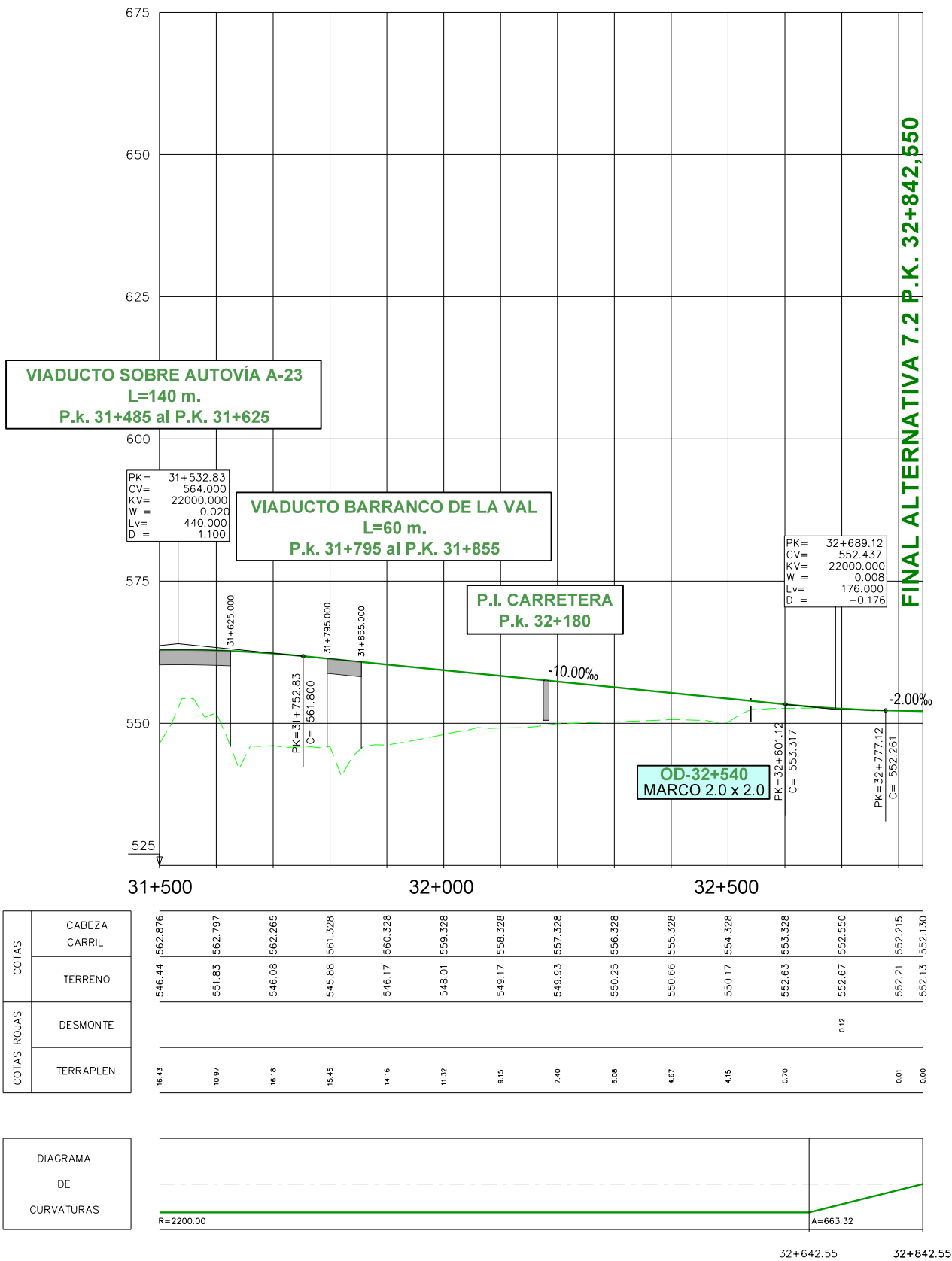
COTAS ROJAS	COTAS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		DESMONTE	TERRENO	CABEZA CARRIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
0.47	613.96	614.436																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

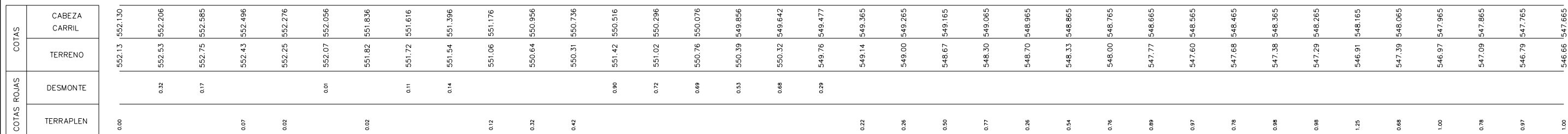




COTAS	COTAS ROJAS	CABEZA CARRIL
		TERRENO
573.46	575.992	574.492
569.97	574.492	572.992
568.25	572.992	571.492
566.28	571.492	569.992
564.35	569.992	568.492
562.50	568.492	566.992
560.00	566.992	565.492
558.93	565.492	563.992
558.85	563.992	562.492
557.70	562.492	560.992
557.43	560.992	559.492
556.44	559.492	557.992
555.62	557.992	556.492
554.41	556.492	554.992
554.00	554.992	553.492
552.02	553.492	551.992
550.13	551.992	550.492
548.14	550.492	548.992
546.65	548.992	547.492
546.59	547.492	545.992
546.34	545.992	544.492
546.14	544.492	542.992
543.38	542.992	541.492
545.66	541.492	539.992
546.22	539.992	538.492
546.19	538.492	536.992
546.15	536.992	535.492
545.96	535.492	533.992
546.06	533.992	532.492
545.72	532.492	530.992
545.88	530.992	529.492
546.55	529.492	527.992
546.59	527.992	526.492
546.36	526.492	524.992
546.39	524.992	523.492
546.44	523.492	521.992







SECRETARÍA DE ESTADO
DE TRANSPORTES, MOVILIDAD
Y AGENDA URBANA

SECRETARÍA GENERAL
DE INFRAESTRUCTURAS

DIRECCIÓN GENERAL
DE PLANIFICACIÓN Y EVALUACIÓN
DE LA RED FERROVIARIA

AUTOR

getinsa-euroestudios

 **tpf**
INGENIERÍA

ESCALA ORIGINAL EN A-1

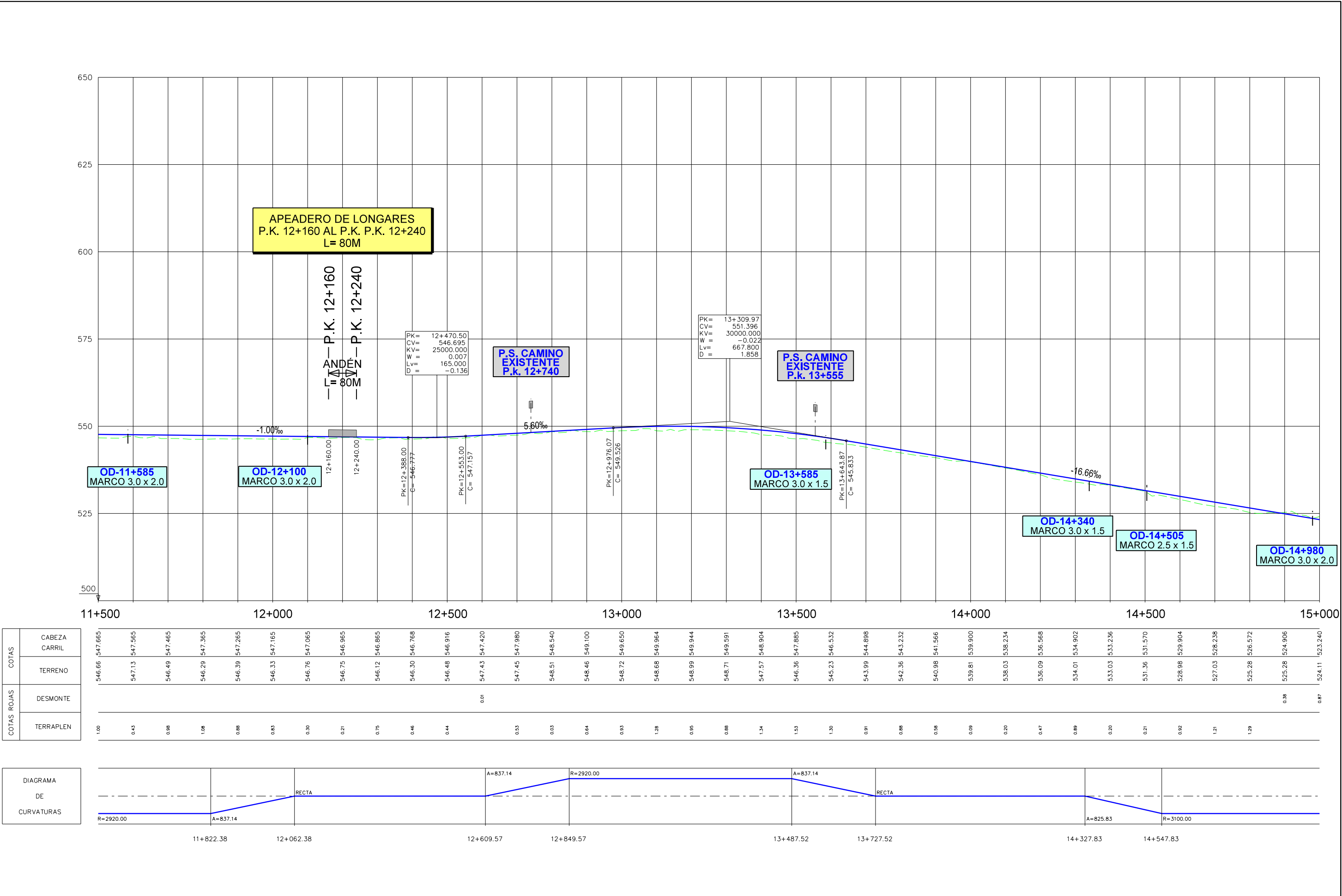
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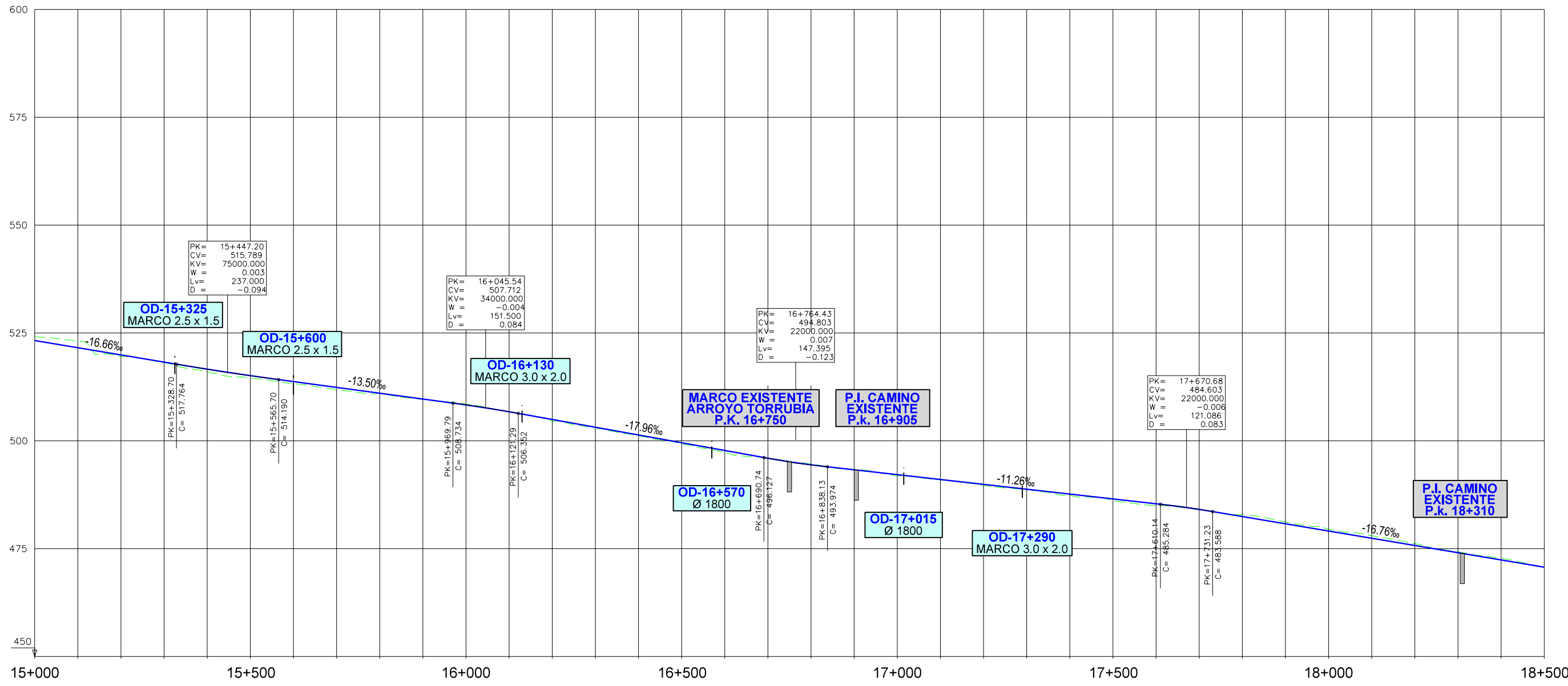
NUMÉRICA GRÁFICA

N° DE PLANO	5.8.1
HOJA 1 DE 7	

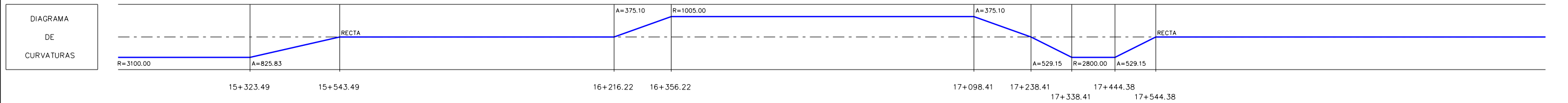
TÍTULO DEL PLANO

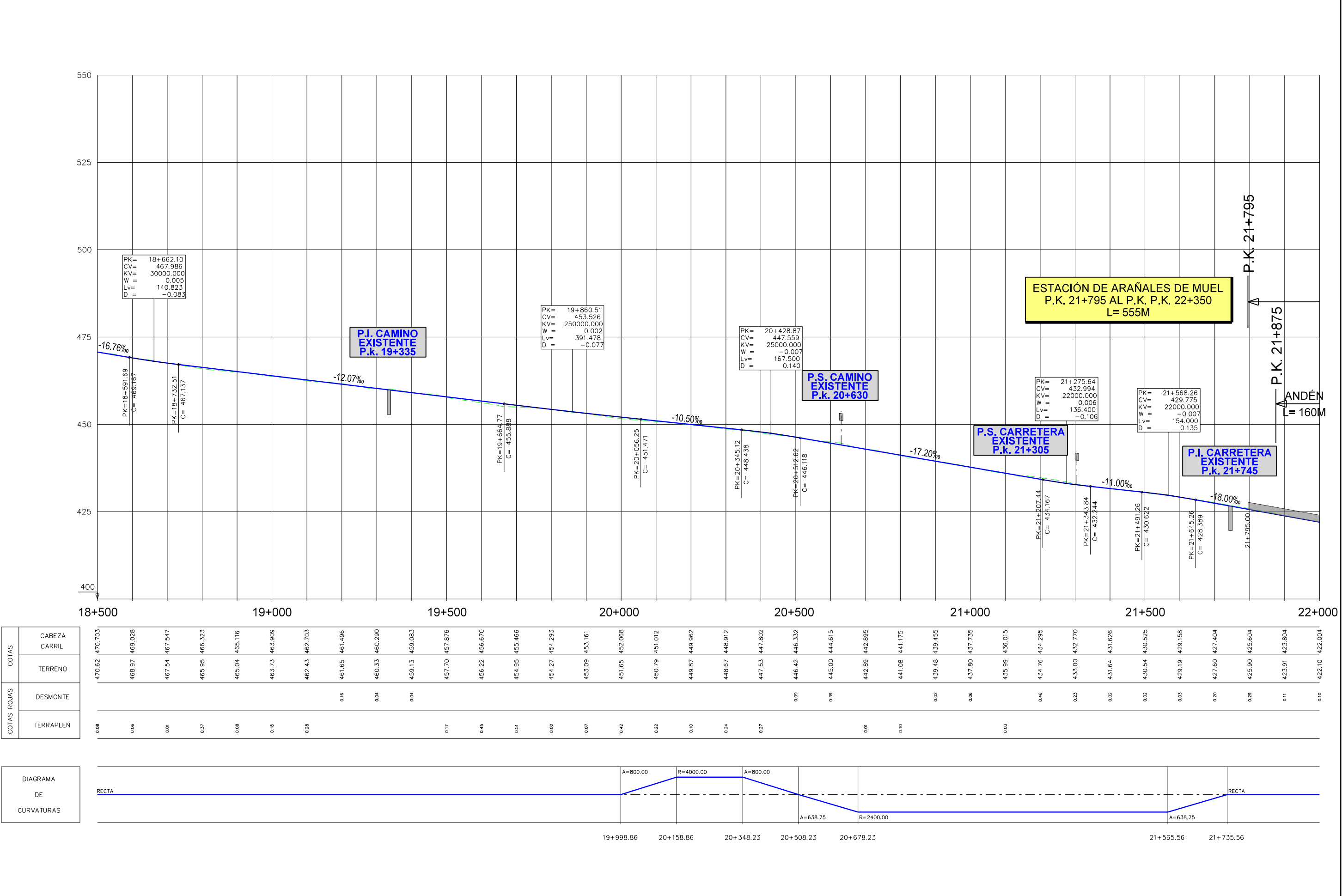
**PERFILES LONGITUDINALES
TRAMO 8
ALTERNATIVA 8.0**

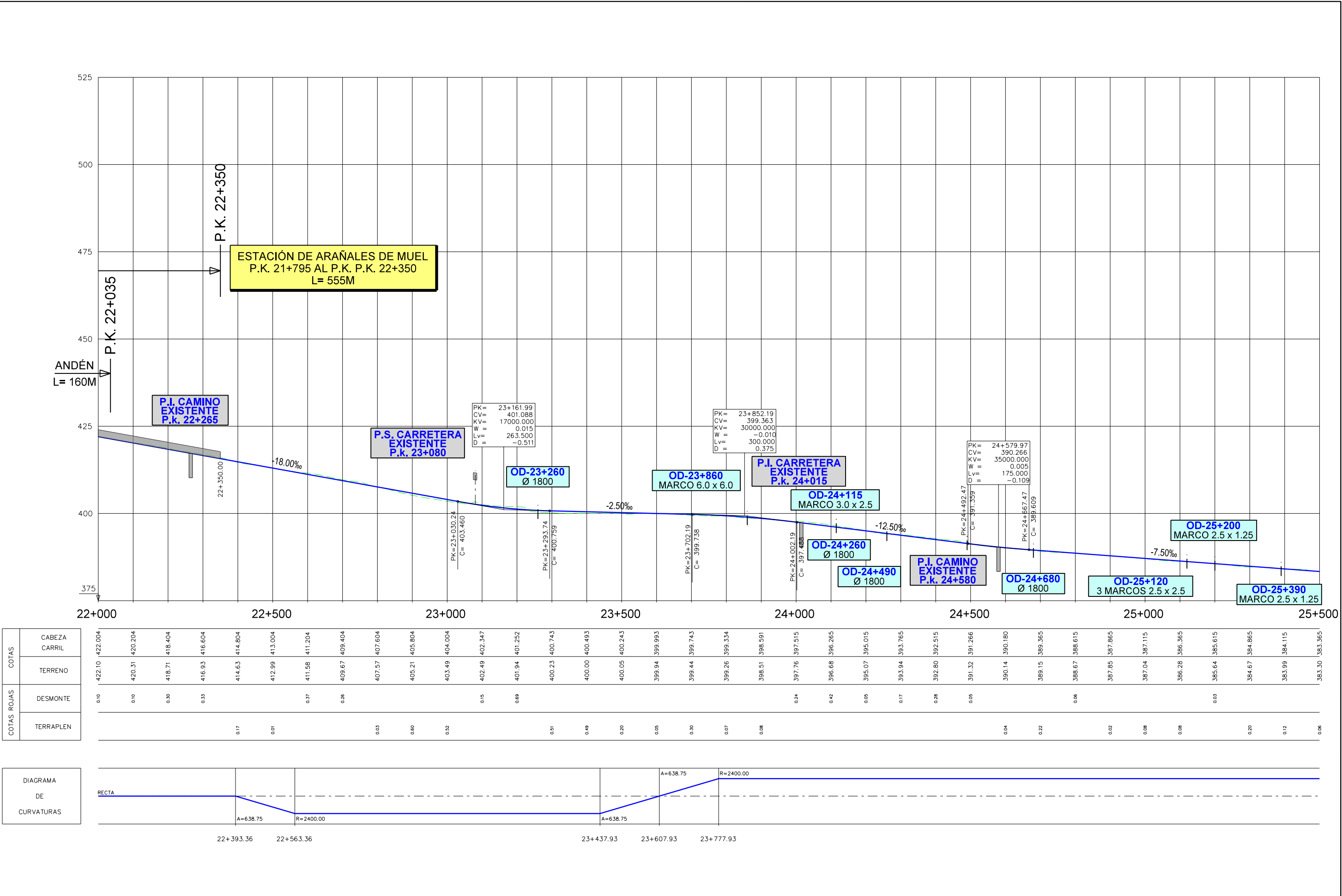


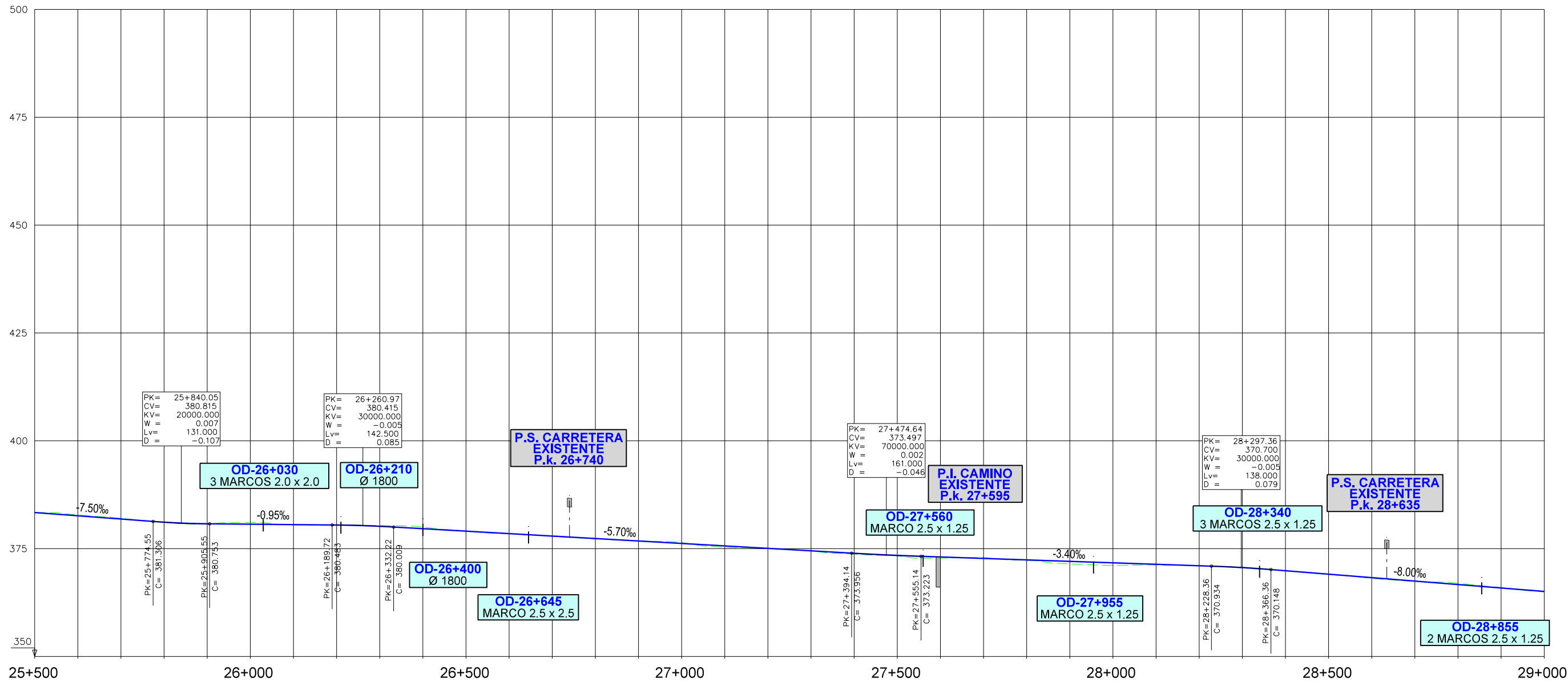


COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	523.240	524.11	0.87		
	521.574	523.05	1.48		
	519.908	519.53	0.37		
	518.242	518.11	0.13		
	516.610	515.99	0.62		
	515.105	514.50	0.60		
	513.727	513.21	0.51		
	512.377	511.86	0.52		
	511.027	511.04	0.01		
	509.677	509.58	0.10		
	508.313	508.55	0.23		
	506.727	506.67	0.06		
	504.938	504.49	0.45		
	503.143	502.96	0.19		
	501.347	501.18	0.17		
	499.551	499.34	0.22		
	497.756	497.33	0.42		
	495.962	495.97	0.01		
	494.436	494.58	0.15		
	493.277	493.30	0.02		
	492.152	491.92	0.23		
	491.026	490.94	0.09		
	489.901	489.68	0.22		
	488.775	488.67	0.11		
	487.649	487.38	0.27		
	486.524	486.17	0.35		
	485.398	485.01	0.39		
	484.089	484.01	0.08		
	482.435	482.86	0.42		
	480.759	481.16	0.40		
	479.083	479.51	0.43		
	477.407	477.99	0.59		
	475.731	476.17	0.44		
	474.055	474.28	0.22		
	472.379	472.78	0.40		
	470.703	470.62	0.08		

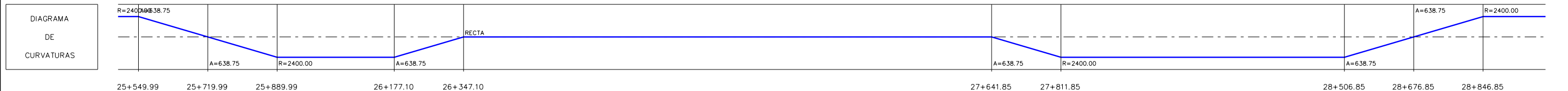


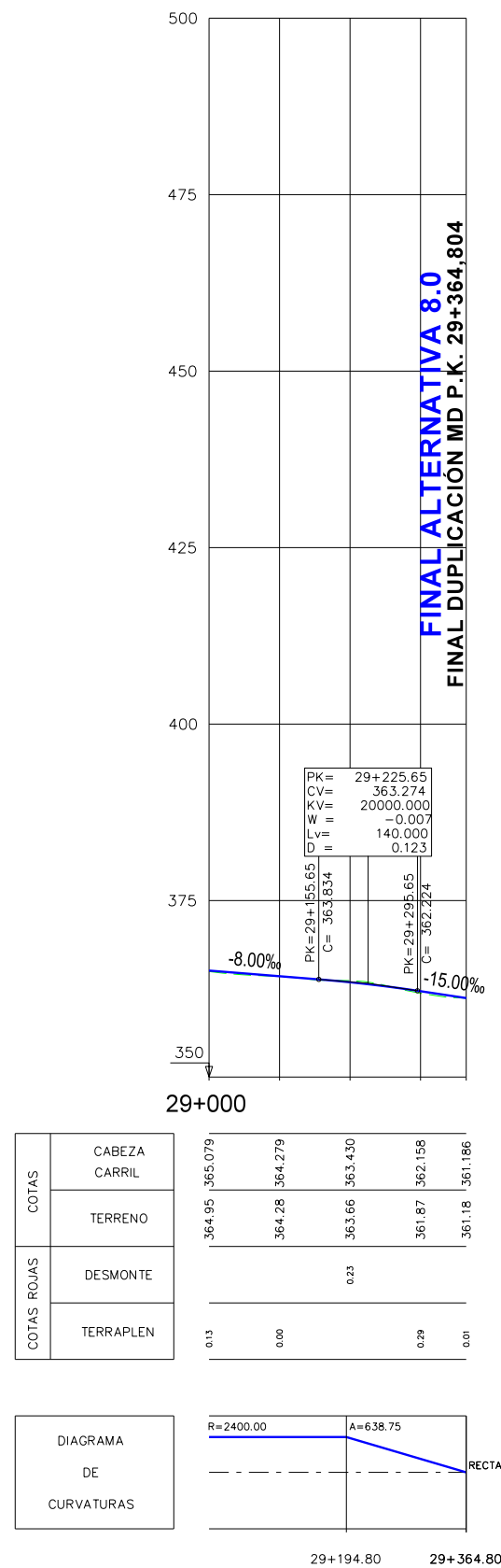


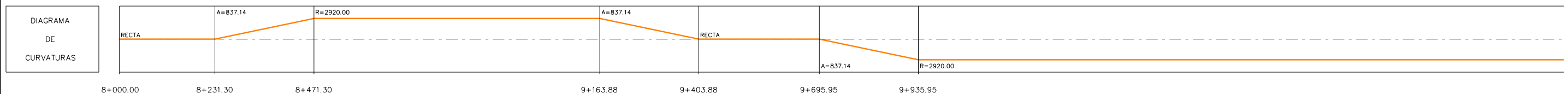
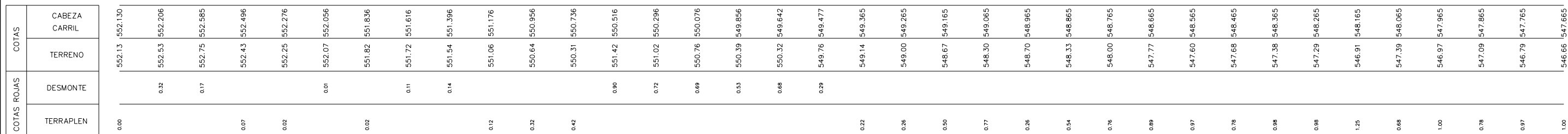


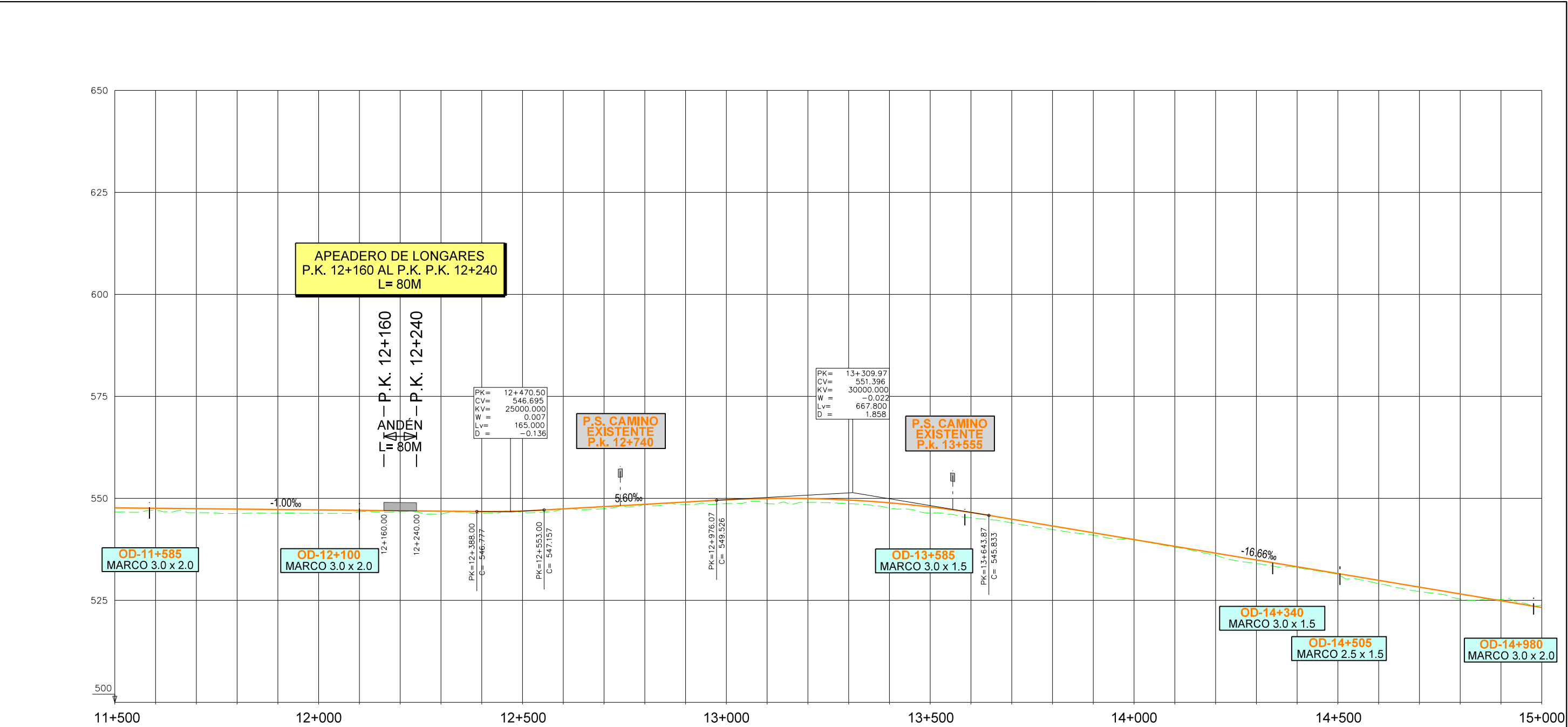


COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	383.365	383.30			0.06
	382.615	382.77		0.15	
	381.865	382.04		0.18	
	381.132	381.07			0.06
	380.759	380.72			0.04
	380.663	381.10		0.43	
	380.568	380.52			0.04
	380.471	380.46			0.01
	380.175	380.36		0.19	
	379.623	379.97		0.35	
	379.053	379.11		0.05	
	378.483	378.42			0.06
	377.913	377.85			0.06
	377.343	377.26			0.08
	376.773	376.81		0.03	
	376.203	376.42		0.22	
	375.633	375.31			0.32
	375.063	375.05		0.01	
	374.493	374.50		0.01	
	373.923	373.72		0.20	
	373.433	373.32		0.11	
	373.071	372.78		0.29	
	372.731	372.94		0.21	
	372.391	372.29		0.10	
	372.051	371.46		0.39	
	371.711	371.07		0.64	
	371.371	371.22		0.15	
	371.031	371.11		0.08	
	370.605	370.52		0.09	
	369.879	369.81		0.07	
	369.079	368.97		0.11	
	368.279	368.08		0.20	
	367.479	367.39		0.09	
	366.679	366.98		0.30	
	365.879	365.98		0.11	
	365.079	364.95			0.13

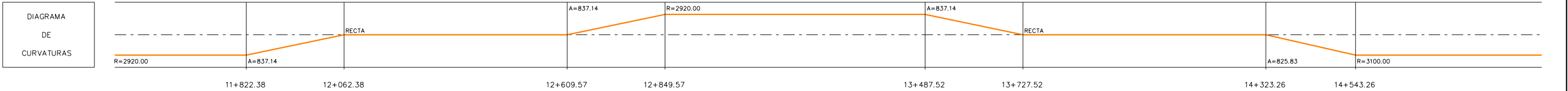


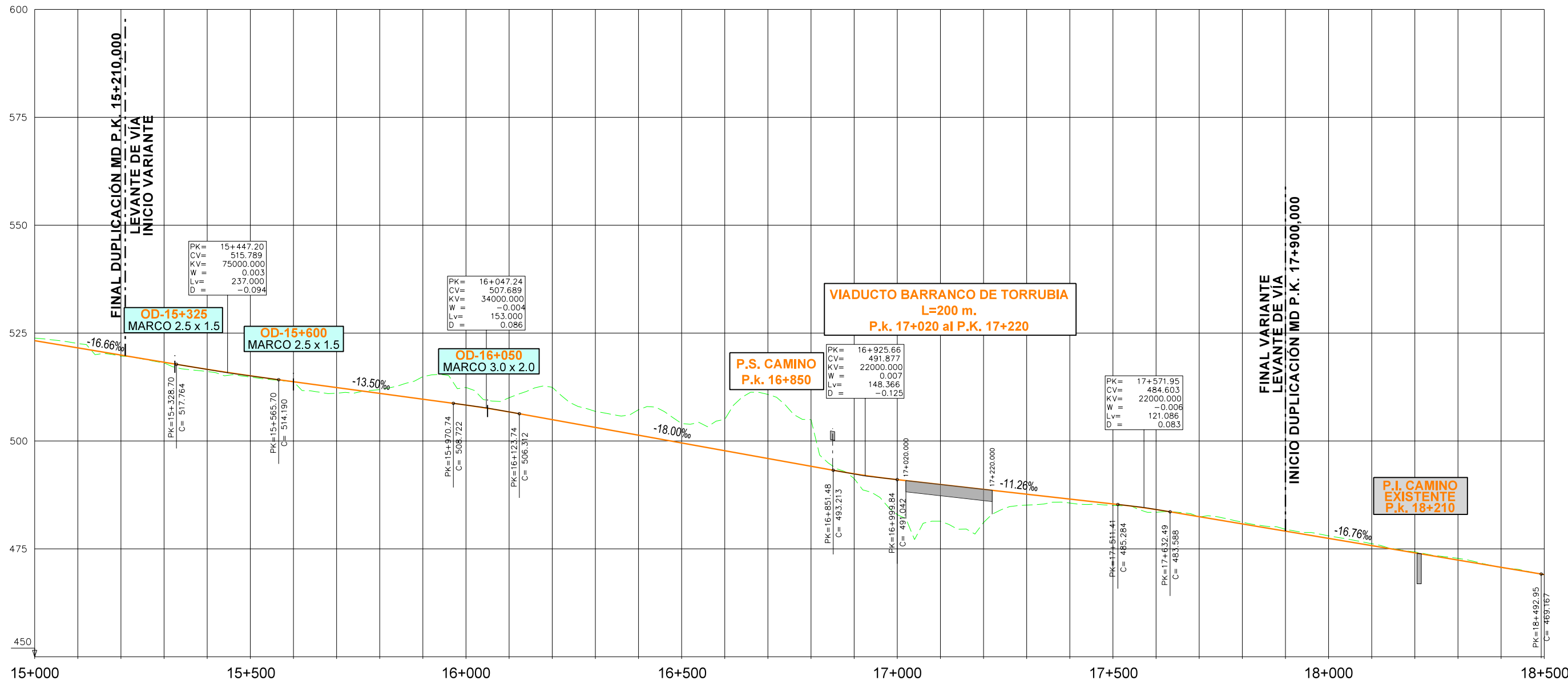




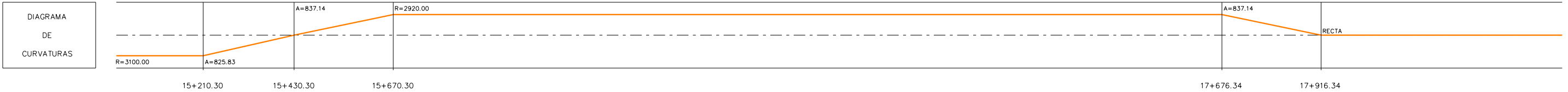


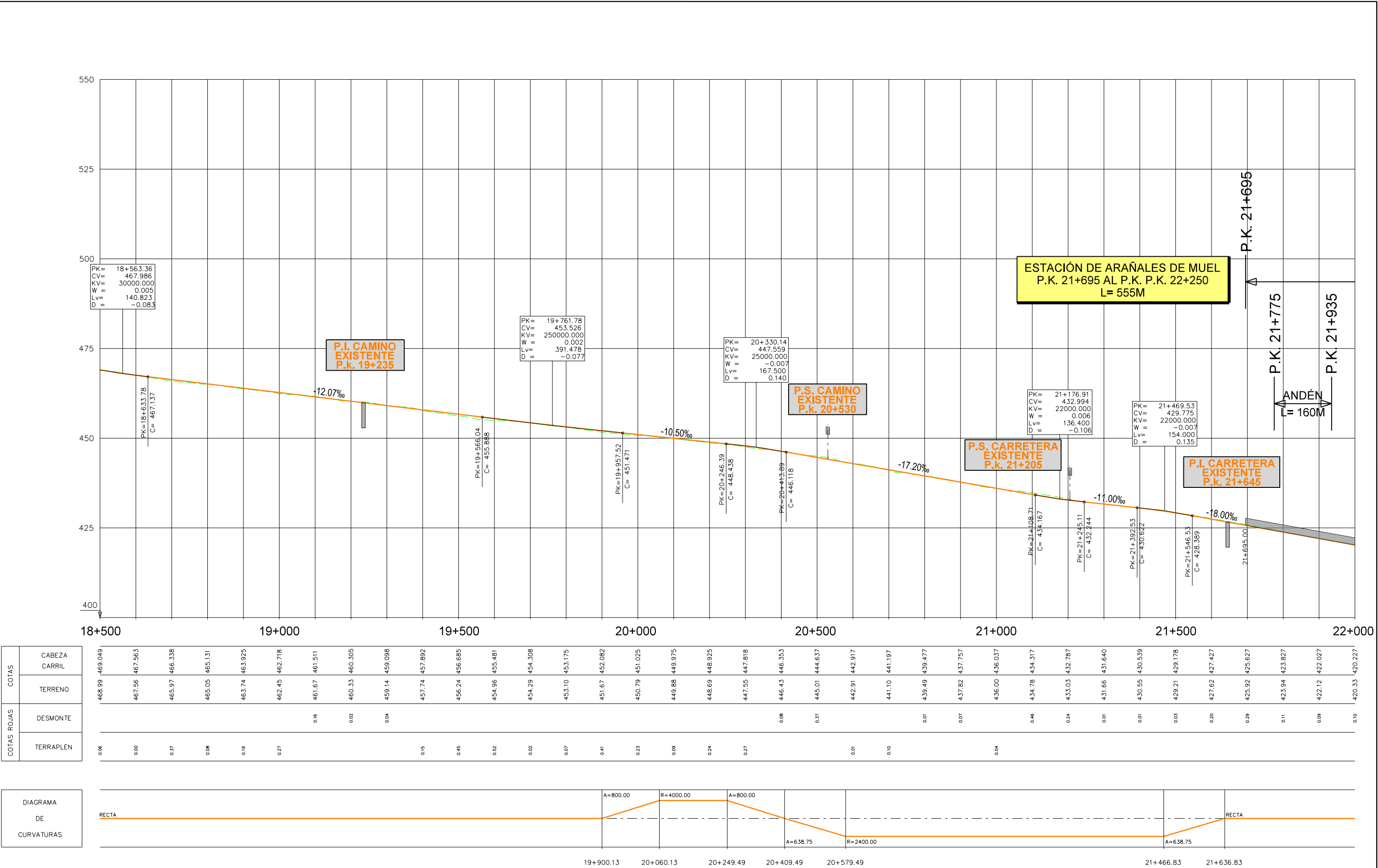
COTAS	COTAS ROJAS	CABEZA CARRIL	TERRENO
		DESMONTE	TERRAPLEN
546.66	1.00	547.665	0.00
547.13	0.43	547.565	0.00
546.49	0.88	547.465	0.00
546.29	1.08	547.365	0.00
546.39	0.88	547.265	0.00
546.33	0.83	547.165	0.00
546.76	0.30	547.065	0.00
546.75	0.21	546.965	0.00
546.12	0.75	546.865	0.00
546.30	0.46	546.768	0.00
546.48	0.44	546.916	0.00
547.43	0.01	547.420	0.00
547.45	0.53	547.980	0.00
548.51	0.03	548.540	0.00
548.46	0.64	549.100	0.00
548.72	0.93	549.650	0.00
548.68	1.28	549.964	0.00
548.99	0.95	549.944	0.00
548.71	0.88	549.591	0.00
547.57	1.34	548.904	0.00
546.36	1.53	547.885	0.00
545.23	1.30	546.532	0.00
543.99	0.91	544.898	0.00
542.36	0.88	543.232	0.00
540.98	0.98	541.566	0.00
539.81	0.09	539.900	0.00
538.03	0.20	538.234	0.00
536.09	0.47	536.568	0.00
534.01	0.89	534.902	0.00
533.03	0.20	533.236	0.00
531.41	0.16	531.570	0.00
529.10	0.80	529.904	0.00
527.16	1.08	528.238	0.00
525.31	1.26	526.572	0.00
525.20		524.906	0.00
523.84		523.240	0.00



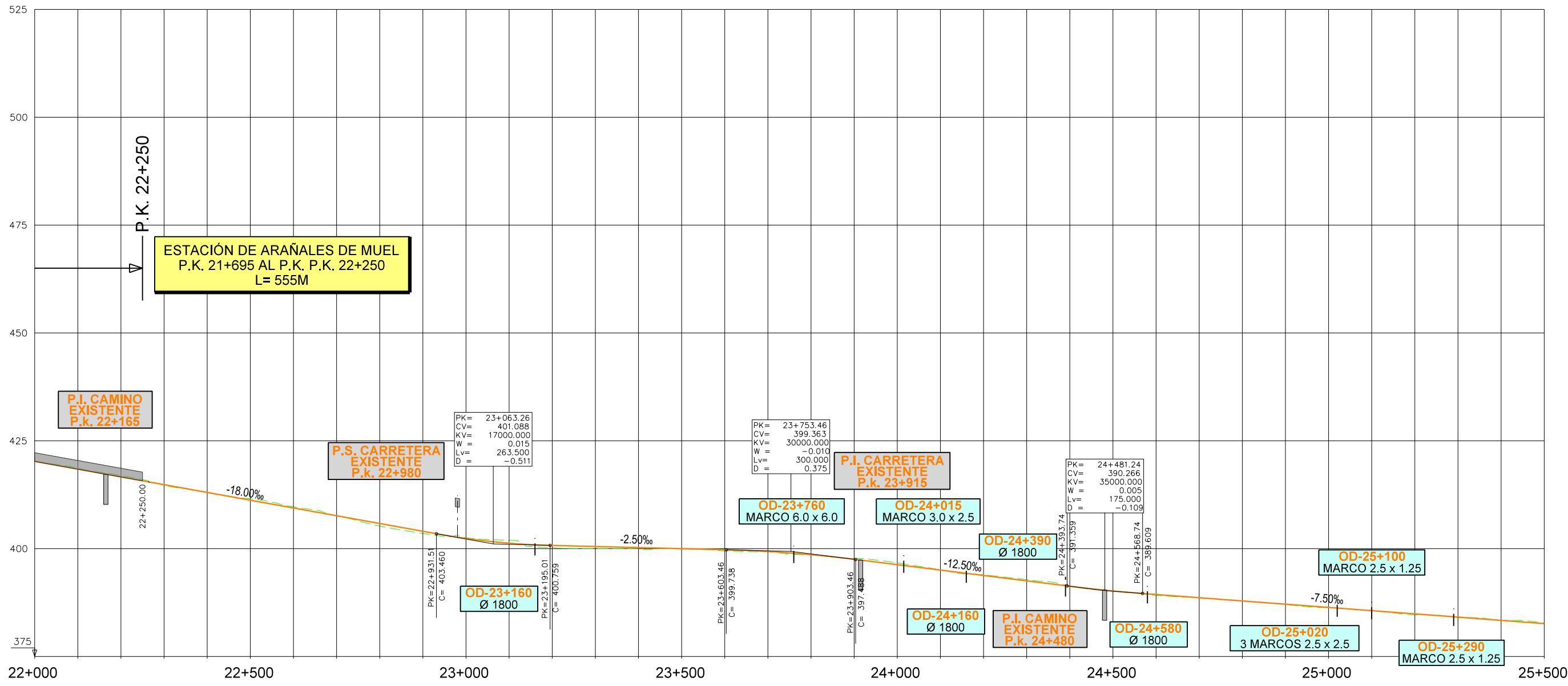


COTAS ROJAS	COTAS	
	CABEZA CARRIL	TERRENO
0.60	523.240	523.84
1.00		522.57
	519.908	519.65
	518.242	518.08
	516.610	516.10
	515.105	514.80
0.03	513.727	513.76
	512.377	511.06
0.86	511.027	511.89
5.23	509.677	514.91
4.09	508.314	512.40
3.29	506.731	510.02
7.49	504.939	512.43
3.71	503.139	506.85
5.90	501.339	507.24
4.50	499.539	504.04
7.26	497.739	505.00
14.85	495.939	510.79
10.80	494.139	504.94
1.10	492.393	491.29
8.12	491.040	482.92
8.51	489.915	481.41
7.68	488.789	481.11
2.53	487.664	485.14
0.91	486.538	485.63
0.36	485.412	485.05
0.64	484.108	483.47
0.07	482.456	482.39
0.40	480.780	481.18
0.43	479.104	479.53
0.59	477.428	478.02
0.44	475.752	476.19
0.22	474.076	474.29
0.40	472.400	472.80
0.07	470.724	470.65
0.86	469.049	468.99

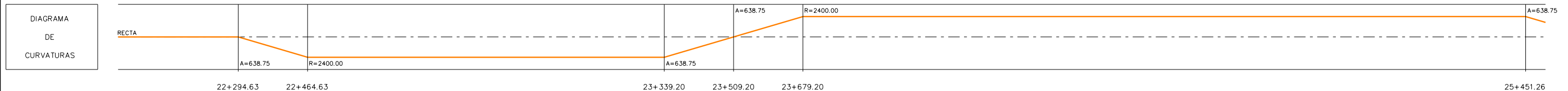


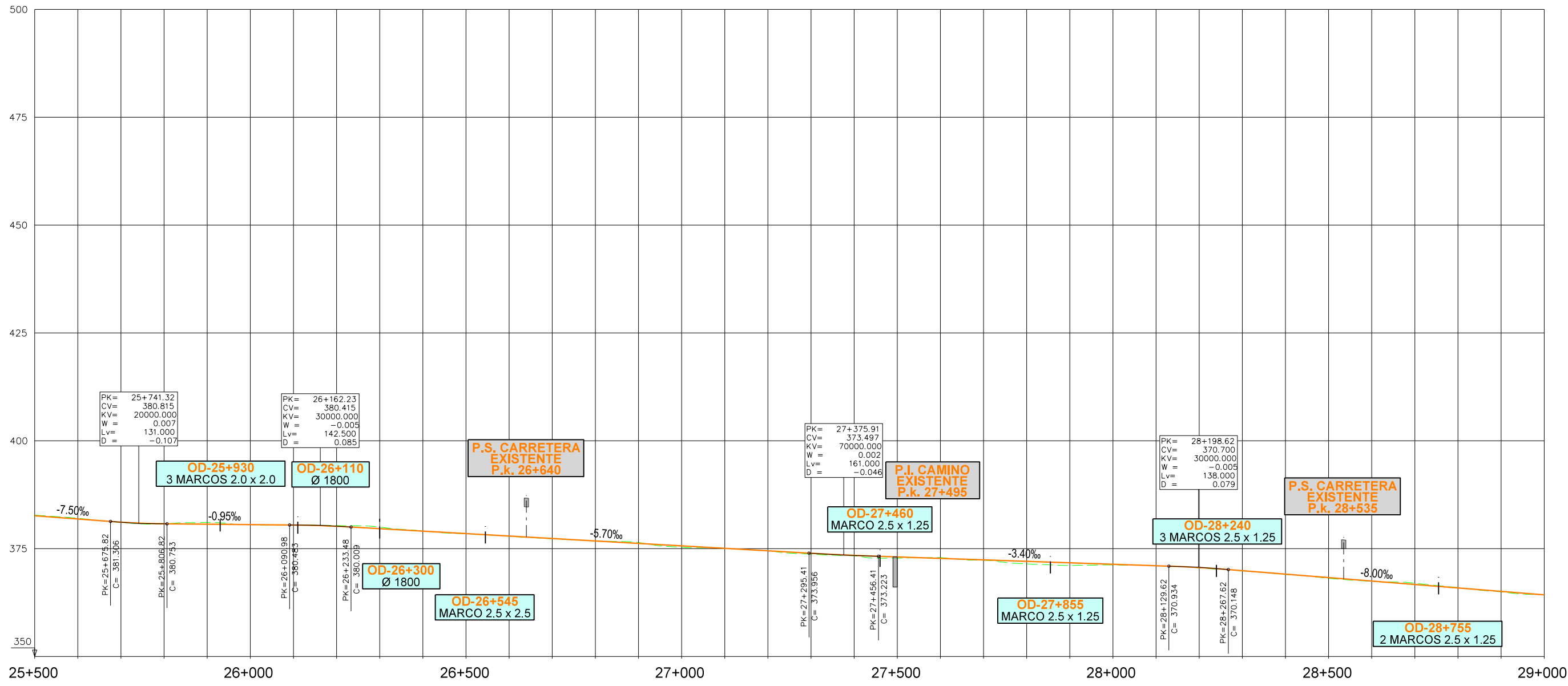


CÓDIGO: 512010075DES ARCHIVO: ALT_8_1.dgn FECHA: 25/01/21 DIBUJO: JLG REV. GRAF. DEL. JLG EL PROYECTISTA: JLG



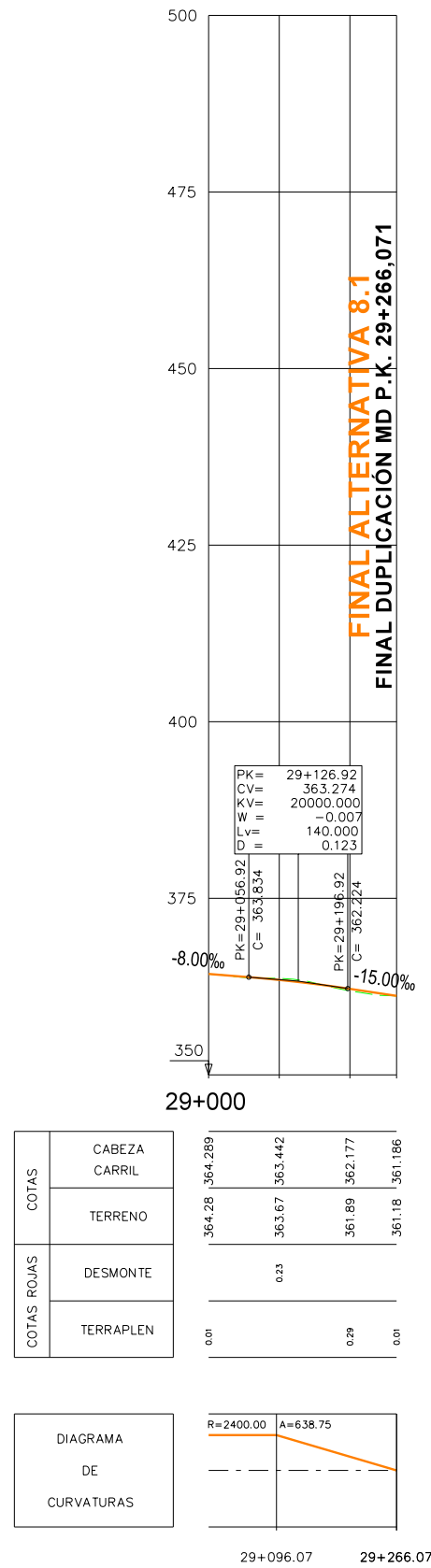
COTAS ROJAS	COTAS	
	TERRENO	CABEZA CARRIL
DESMONTE	0.10	420.33 420.227
TERRAPLEN	0.31	418.74 418.427
	0.32	416.95 416.627
	0.16	414.67 414.827
	0.01	413.02 413.027
	0.36	411.59 411.227
	0.27	409.69 409.427
	0.03	407.60 407.627
	0.60	405.23 405.827
	0.51	403.51 404.027
	0.14	402.51 402.365
	0.68	401.94 401.262
	0.51	400.24 400.746
	0.50	400.00 400.496
	0.20	400.05 400.246
	0.06	399.94 399.996
	0.30	399.44 399.746
	0.08	399.26 399.341
	0.08	398.52 398.603
	0.22	397.76 397.531
	0.43	396.71 396.281
0.06	395.09 395.031	
0.17	393.95 393.781	
0.29	392.82 392.531	
0.06	391.34 391.282	
0.04	390.15 390.192	
0.22	389.16 389.375	
0.06	388.69 388.625	
0.02	387.86 387.875	
0.07	387.05 387.125	
0.09	386.29 386.375	
0.02	385.65 385.625	
0.21	384.67 384.875	
0.13	383.99 384.125	
0.08	383.30 383.375	
0.15	382.78 382.625	

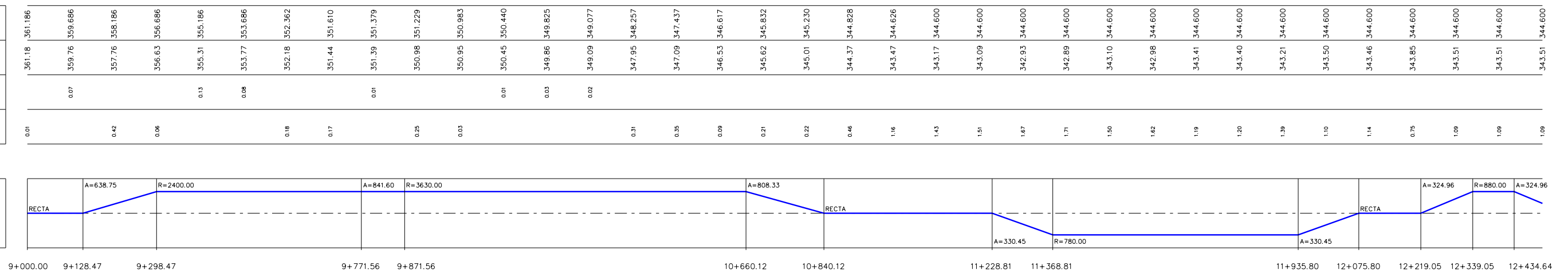


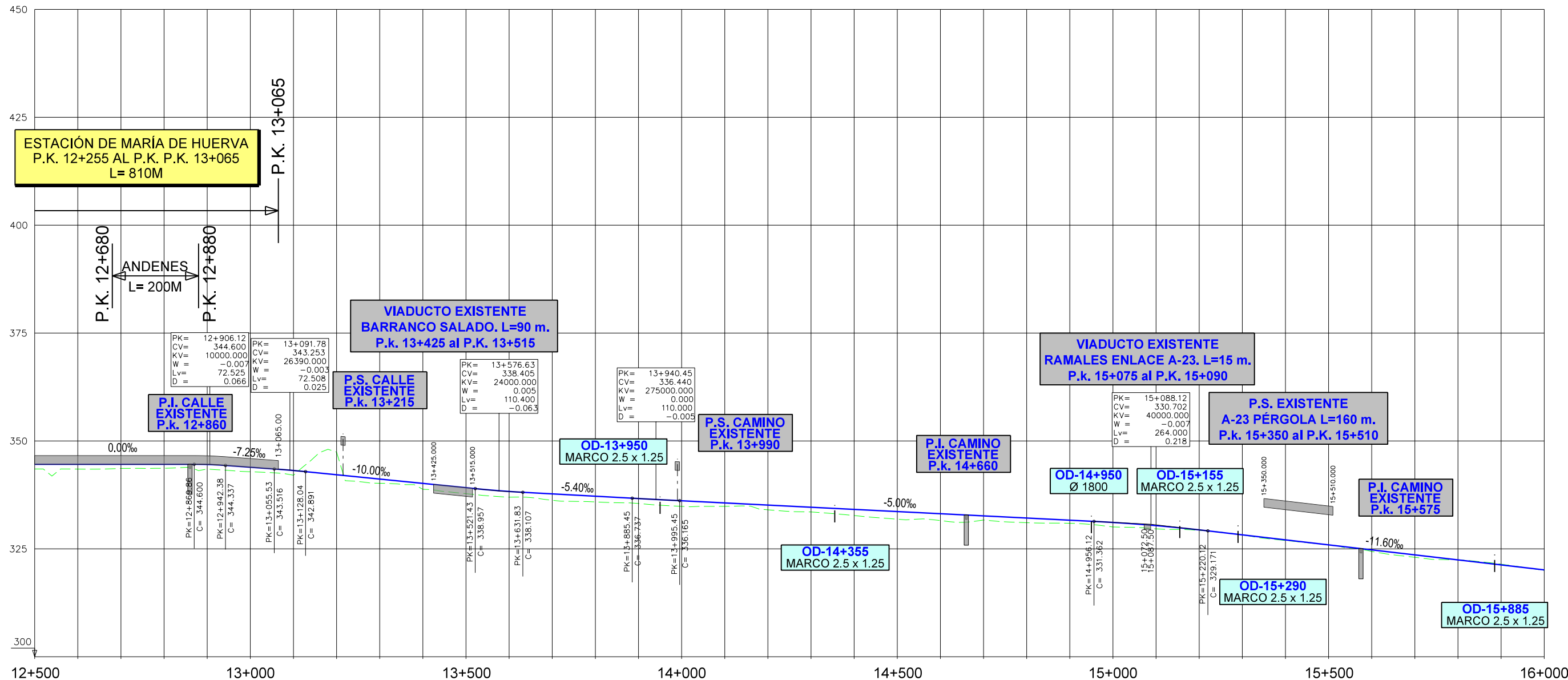


COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	382.625	382.78	0.15		
	381.875	382.05	0.18		0.06
	381.139	381.08			0.04
	380.760	380.72			0.04
	380.664	381.09	0.43		0.01
	380.569	380.53			0.06
	380.473	380.46			0.06
	380.181	380.36	0.18		0.08
	379.630	379.98	0.35		0.32
	379.060	379.12	0.06		0.01
	378.490	378.43			0.20
	377.920	377.86			0.10
	377.350	377.27			0.30
	376.780	376.81	0.03		0.10
	376.210	376.44	0.23		0.59
	375.640	375.32			0.64
	375.070	375.06			0.16
	374.500	374.52	0.02		0.08
	373.930	373.73			0.06
	373.438	373.34			0.11
	373.075	372.77			0.20
	372.735	372.96	0.22		0.09
	372.395	372.29			0.09
	372.055	371.46			0.16
	371.715	371.07			0.08
	371.375	371.22			0.06
	371.035	371.12	0.08		0.11
	370.613	370.53			0.20
	369.889	369.83			0.09
	369.089	368.98			0.13
	368.289	368.09	0.30		0.01
	367.489	367.40			
	366.689	366.99			
	365.889	366.00	0.11		
	365.089	364.96			
	364.289	364.28			

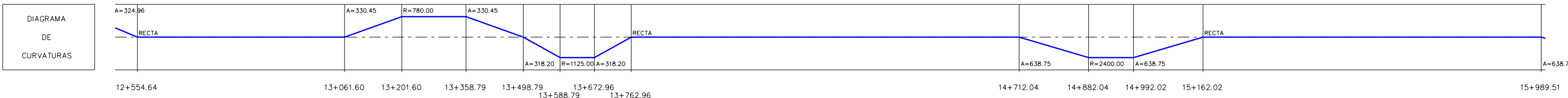


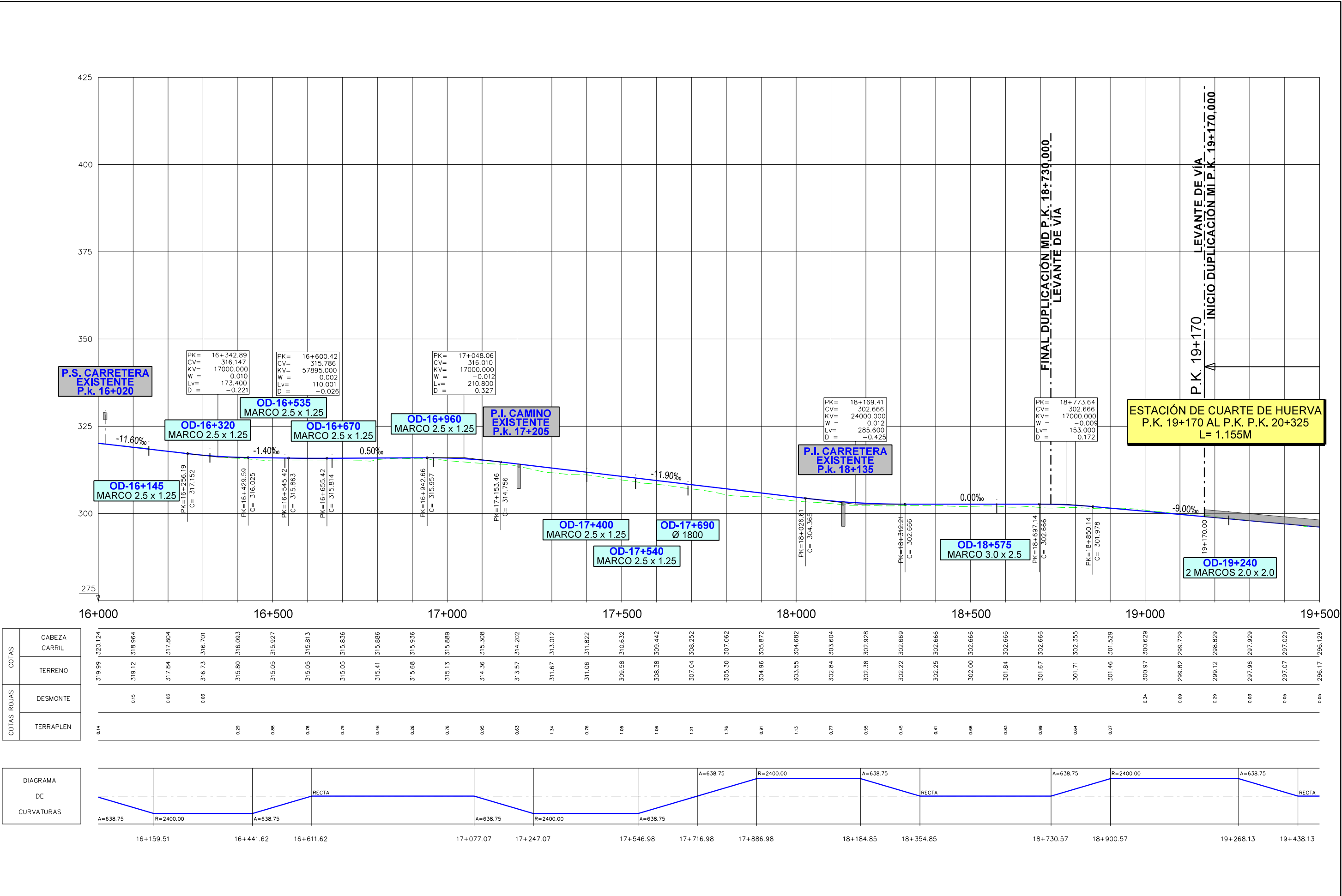


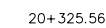




COTAS ROJAS	COTAS	COTAS ROJAS																																																																						
		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN																																																			
1.09	343.51	344.600	343.51	344.600	343.49	344.600	343.64	344.600	343.67	344.600	343.50	344.555	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124
1.11	343.49	344.600	343.49	344.600	343.64	344.600	343.67	344.600	343.50	344.555	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124		
0.96	343.64	344.600	343.64	344.600	343.67	344.600	343.50	344.555	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124				
0.93	343.67	344.600	343.67	344.600	343.50	344.555	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124						
1.06	343.50	344.555	343.50	344.555	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124								
1.05	342.87	343.919	342.87	343.919	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124										
1.09	342.07	343.156	342.07	343.156	341.71	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124												
0.98	340.19	341.171	340.19	341.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124														
1.37	338.80	340.171	338.80	340.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																
1.38	337.80	339.171	337.80	339.171	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																		
1.33	336.97	338.300	336.97	338.300	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																				
1.48	336.26	337.739	336.26	337.739	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																						
1.32	335.88	337.199	335.88	337.199	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																								
1.14	335.52	336.659	335.52	336.659	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																										
1.29	334.85	336.143	334.85	336.143	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																												
0.79	334.86	335.643	334.86	335.643	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																														
1.10	334.05	335.143	334.05	335.143	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																																
1.09	333.55	334.643	333.55	334.643	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																																		
1.42	332.72	334.143	332.72	334.143	331.87	333.643	331.57	333.143	331.68	332.643	331.07	332.143	330.92	331.643	330.08	331.119	329.64	330.384	329.29	329.399	328.25	328.244	326.94	327.084	325.93	325.924	324.41	324.764	323.04	323.604	322.45	322.444	321.45	321.284	319.99	320.124																																				
1.77	331.87	333.643	331.87	333.643	331.57	333.143	331.68	332.643	331.07	33																																																														

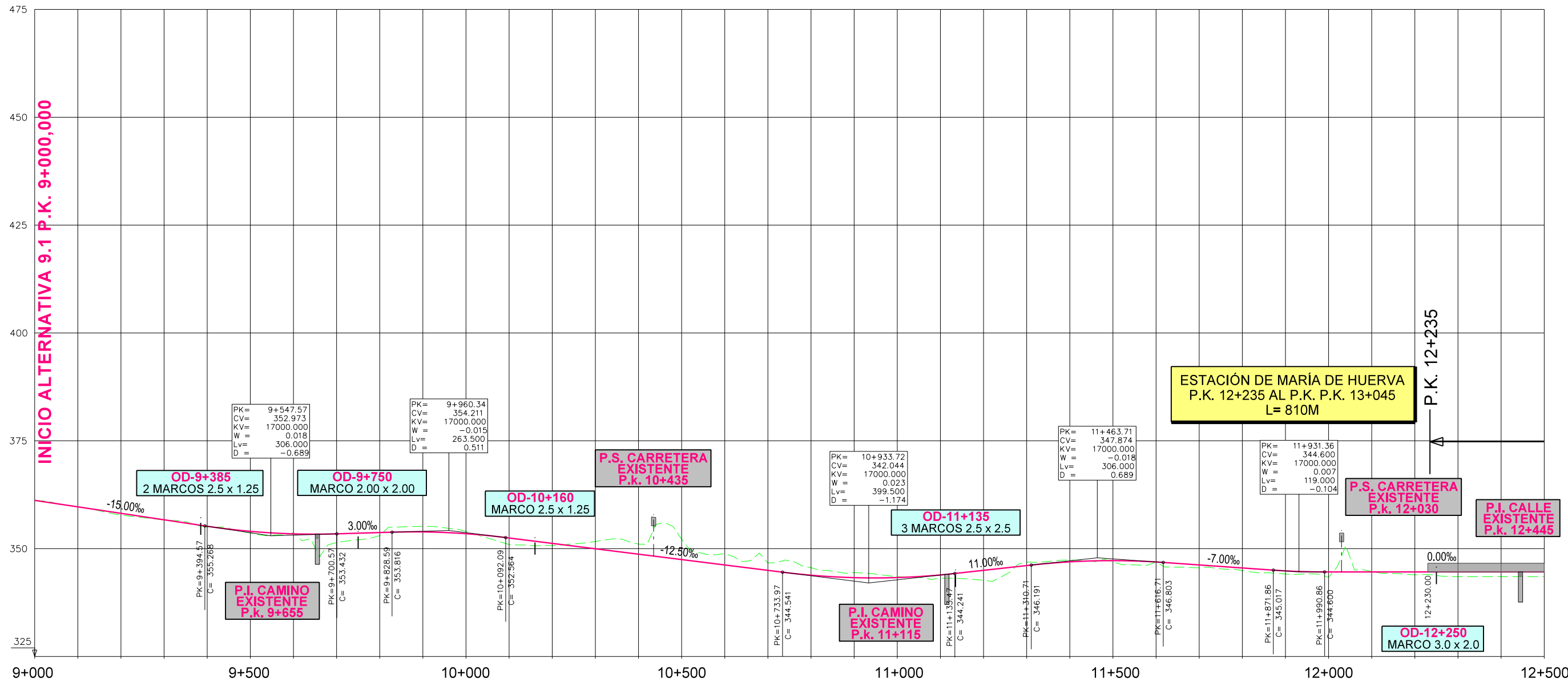




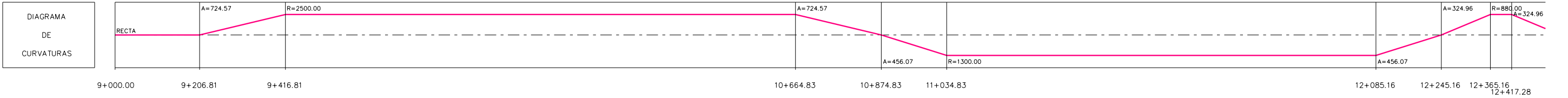


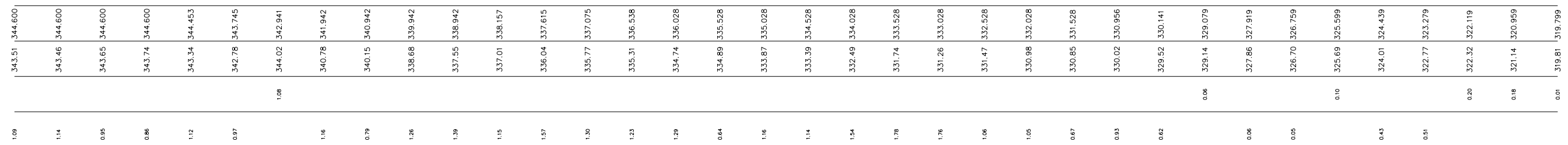
COTAS ROJAS		COTAS	
TERRAPLEN	DESMONTE	TERRENO	CABEZA CARRIL
	0.05	296.17	296.129
0.21		295.01	295.229
0.57		293.76	294.329
0.34		293.09	293.429
0.12		292.41	292.529
0.11		291.52	291.629
0.22		290.51	290.729
	0.07	289.90	289.629
0.06		288.86	288.929
0.00		288.70	288.699

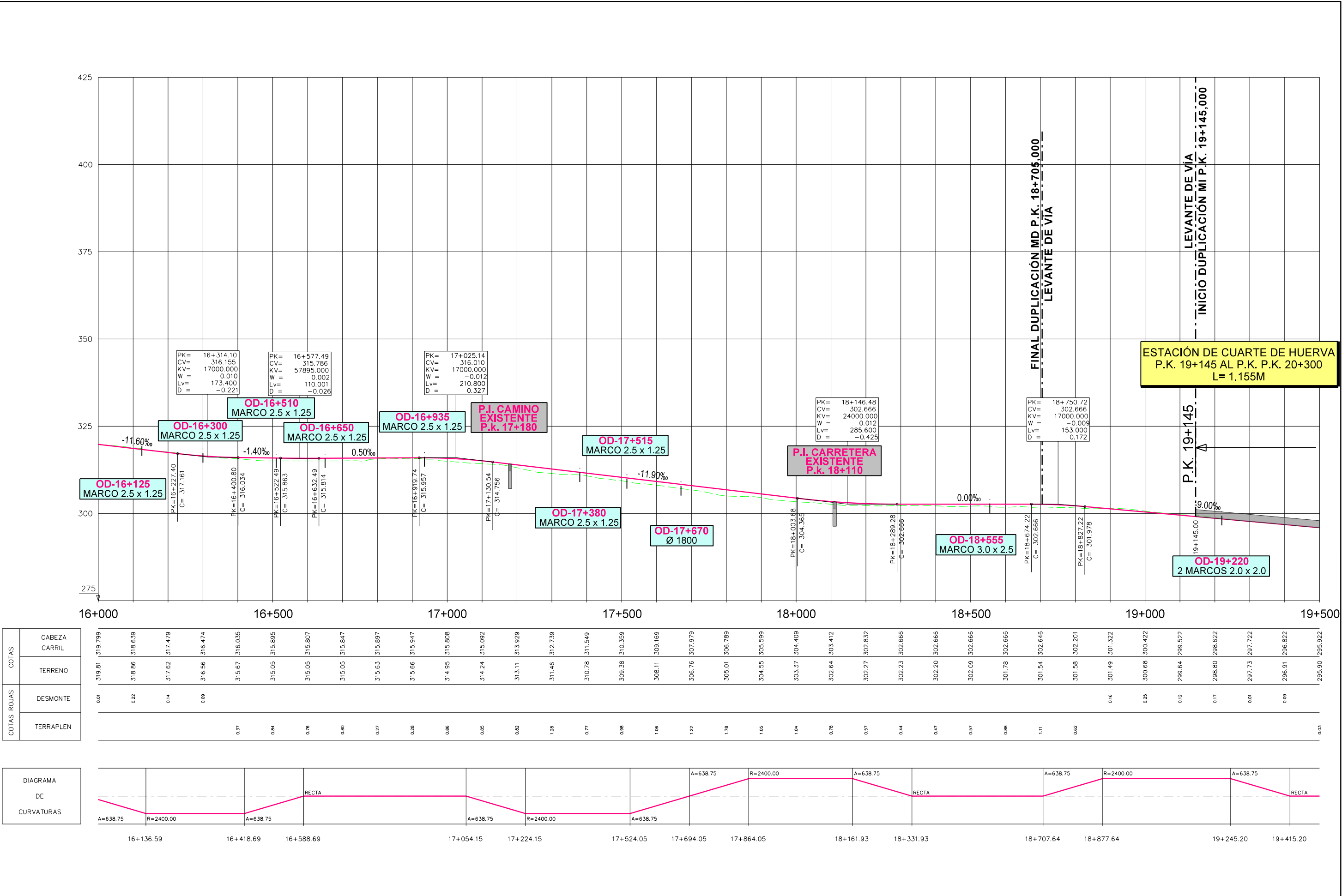
DIAGRAMA
DE
CURVATURAS



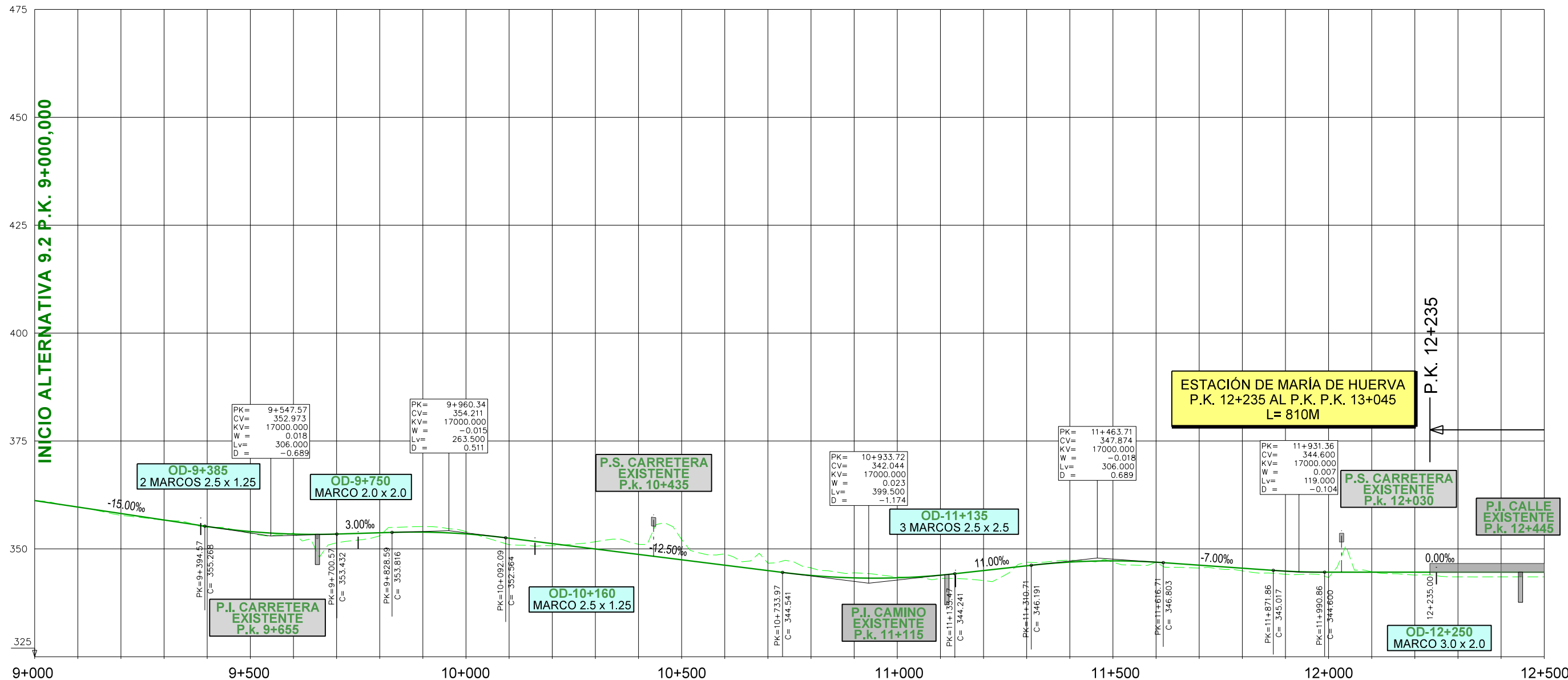
COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	361.18	361.186			0.01
	359.76	359.686		0.07	0.42
	357.76	358.186			0.06
	356.63	356.686			0.19
	355.00	355.187			0.39
	353.62	354.013		0.25	2.02
	353.68	353.427			0.72
	351.41	353.430			
	353.01	353.730		1.28	
	355.17	353.880		0.34	
	354.01	353.466			1.51
	350.96	352.465		1.69	0.51
	350.71	351.215			
	351.66	349.965		2.34	
	351.05	348.715		4.71	
	352.18	347.465		2.63	
	348.84	346.215		1.73	
	346.69	344.965		1.76	
	346.59	343.844		1.17	
	344.44	343.276		0.19	
	343.49	343.297			0.74
	343.16	343.906			2.31
	342.67	344.973			0.32
	346.90	346.073		0.83	0.01
	347.37	346.938		0.44	0.68
	346.90	347.219			0.62
	346.90	346.911			0.74
	345.54	346.220			1.26
	344.90	345.520		0.10	0.66
	344.11	344.843			1.09
	343.34	344.600			1.09
	344.70	344.600			
	343.94	344.600			
	343.51	344.600			
	343.51	344.600			
	343.51	344.600			



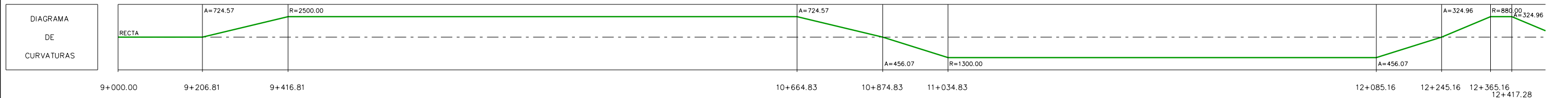


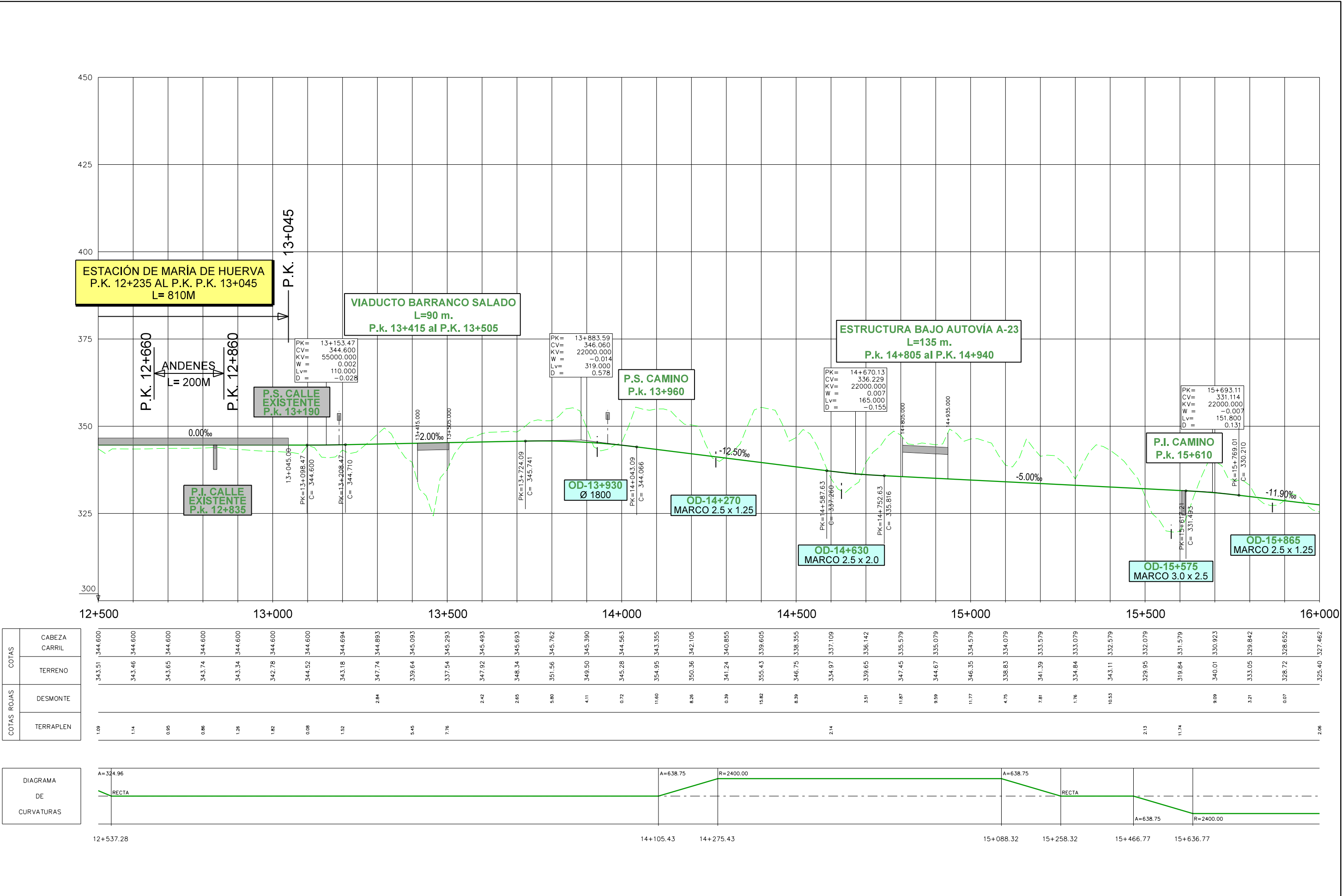


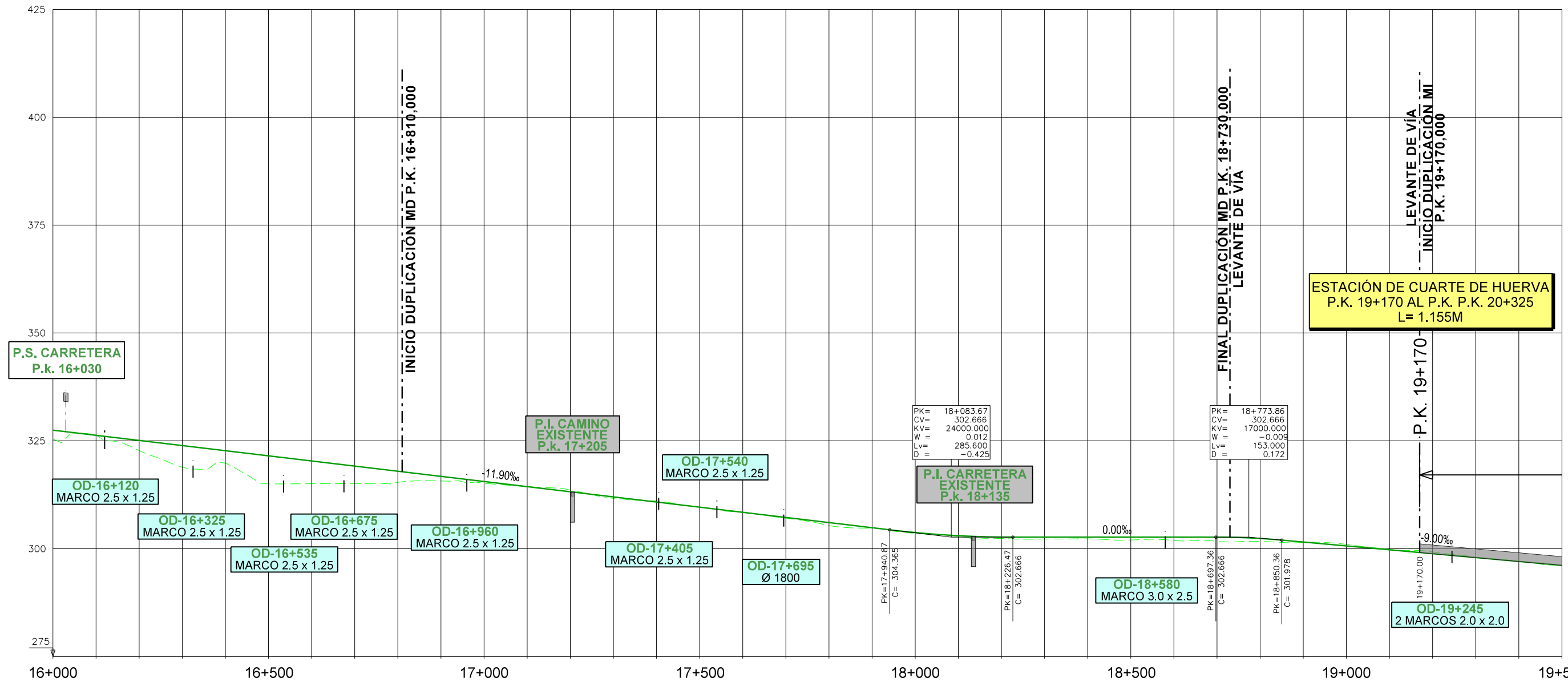




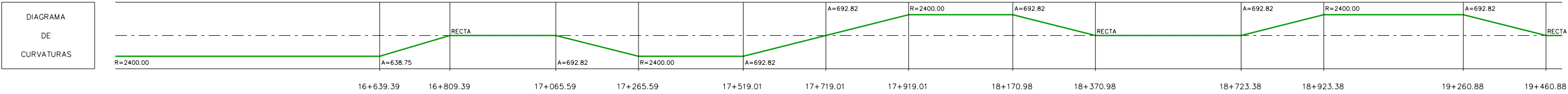
COTAS ROJAS	COTAS	CABEZA CARRIL
		TERRENO
0.01	0.07	361.18
		359.76
0.42		358.186
		356.686
0.06		355.187
		354.013
0.39	0.25	353.62
		353.68
2.02		353.430
		353.730
0.72		353.880
		353.466
1.51		352.465
		350.71
0.51		349.965
		348.715
		347.465
		346.215
		344.965
		343.844
		343.276
		343.297
	0.19	343.906
		344.973
		346.073
		346.938
0.32		347.219
		346.911
0.01		346.220
		345.520
0.68		344.843
		344.600
0.62		344.600
		343.51
0.74		344.600
		343.51
1.26		344.600
		343.51
0.66		344.600
		343.51
1.09		344.600
		343.51
1.09		344.600
		343.51
1.09		344.600
		343.51

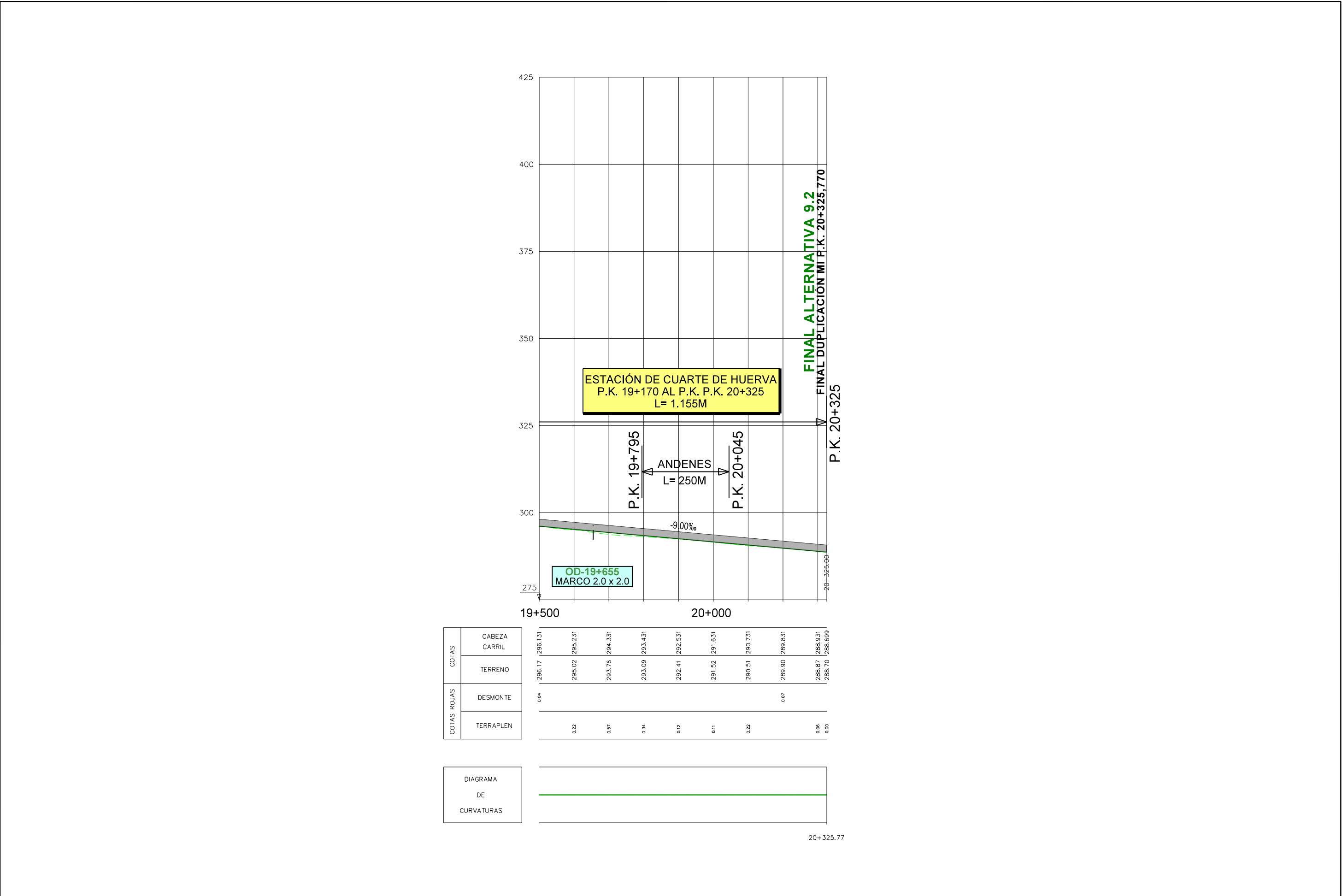


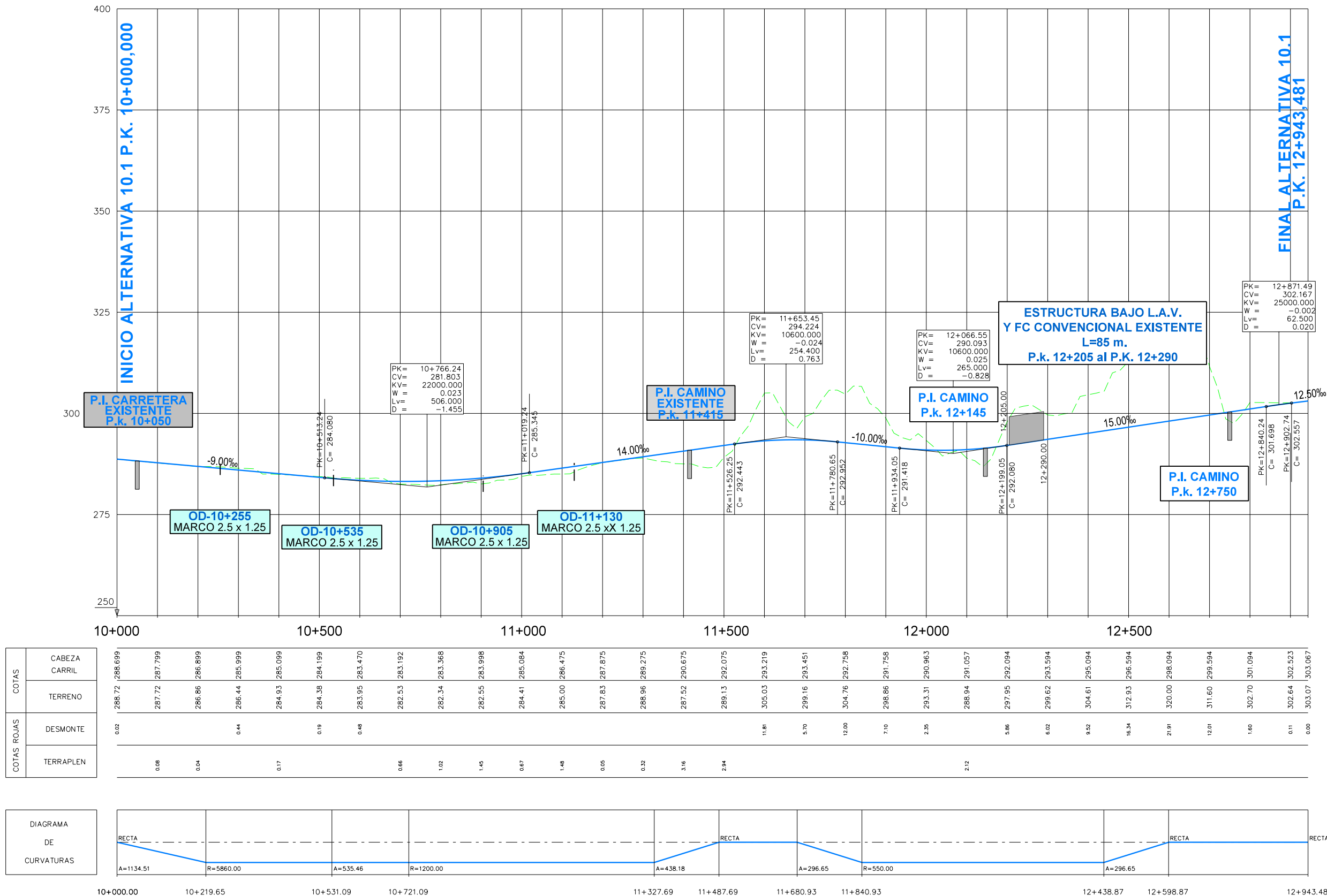




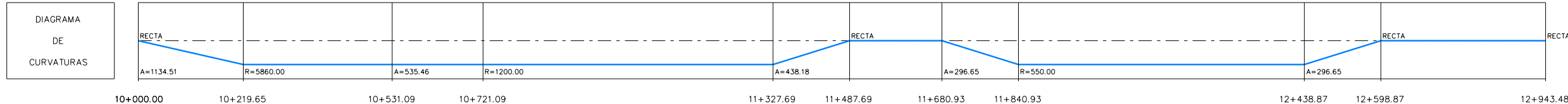
COTAS	CABEZA CARRIL	TERRENO	COTAS ROJAS	DESMONTE	TERRAPLEN
	327.462	325.40			2.06
	326.272	326.28		0.01	
	325.082	322.74			2.34
	323.892	318.85			5.04
	322.702	319.85			2.85
	321.512	315.00			6.51
	320.322	315.05			5.27
	319.132	315.05			4.08
	317.942	315.38			2.56
	316.752	315.68			1.07
	315.562	315.14			0.42
	314.372	314.36			0.01
	313.182	313.58		0.40	
	311.992	311.68			0.32
	310.802	311.06			0.26
	309.612	309.59			0.02
	308.422	308.39			0.03
	307.232	307.05			0.18
	306.042	305.32			0.72
	304.852	304.78			0.07
	303.735	303.55			0.18
	302.999	302.80			0.20
	302.681	302.38			0.31
	302.666	302.22			0.44
	302.666	302.26			0.41
	302.666	302.00			0.66
	302.666	301.84			0.82
	302.666	301.68			0.98
	302.356	301.71			0.65
	301.531	301.46			0.07
	300.631	300.97		0.34	
	299.731	299.82		0.09	
	298.831	299.24		0.41	
	297.931	298.00		0.07	
	297.031	297.08		0.05	
	296.131	296.17		0.04	

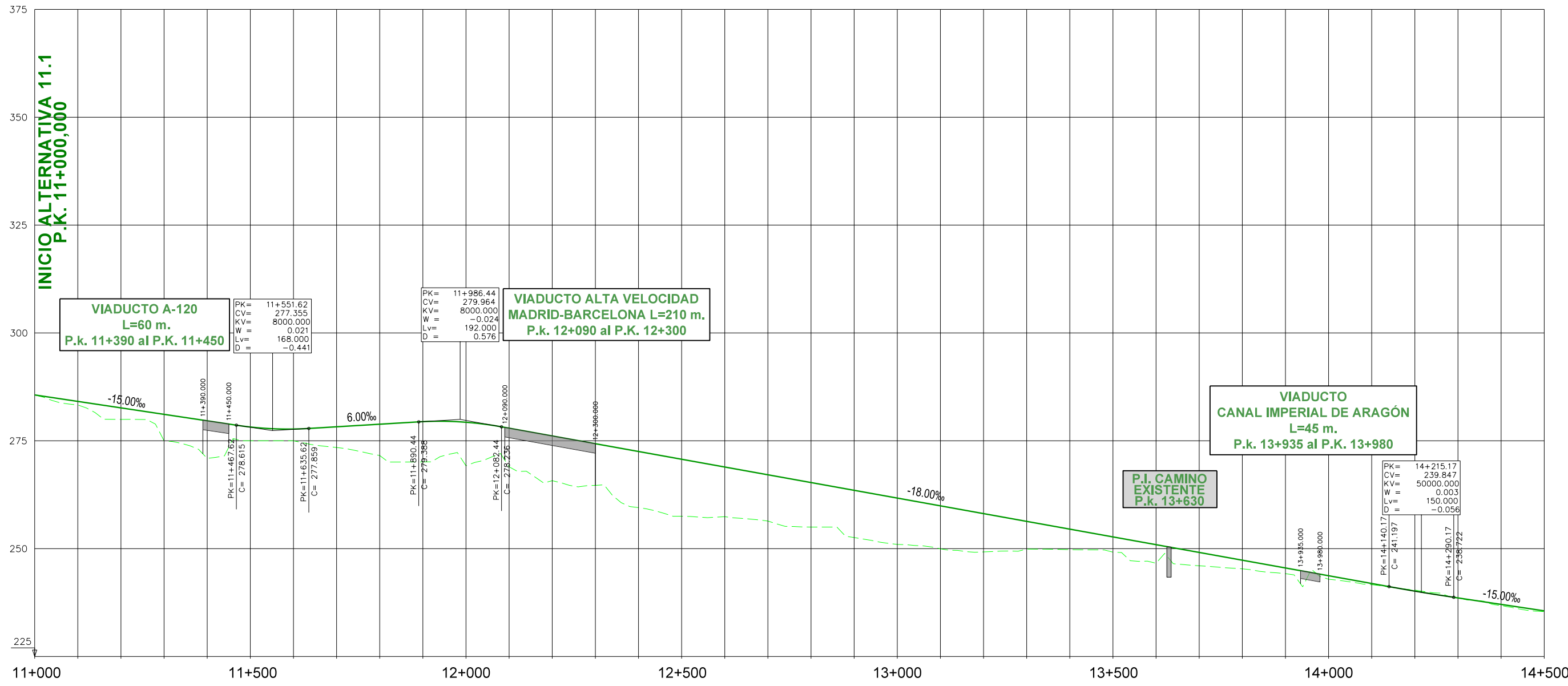




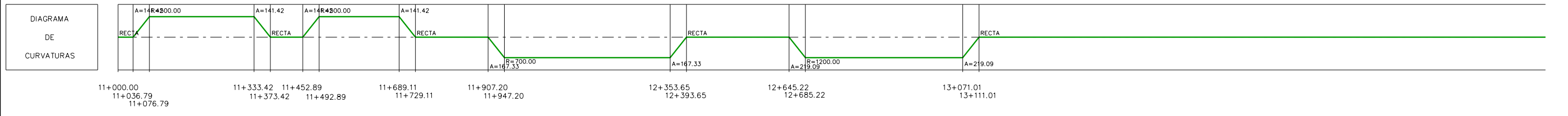


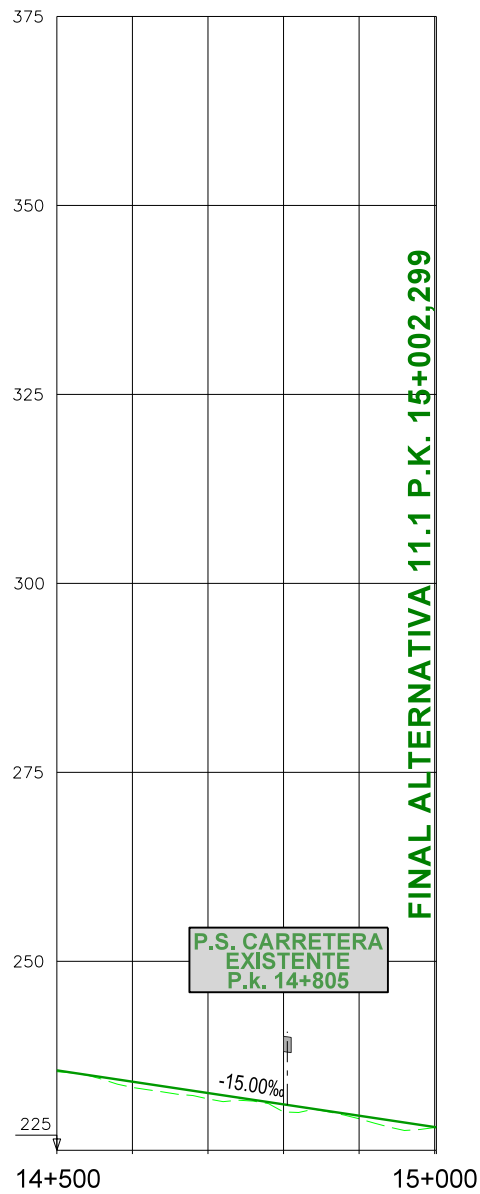
COTAS	COTAS	
	CABEZA CARRIL	TERRENO
COTAS ROJAS	DESMONTE	
	TERRAPLEN	
10+000		
10+500		
11+000		
11+500		
12+000		
12+500		





COTAS	COTAS		COTAS ROJAS
	CABEZA CARRIL	TERRENO	
	285.62	285.629	0.01
	283.31	284.129	0.82
	279.96	282.629	2.67
	275.00	281.129	6.13
	270.92	279.629	8.71
	275.00	278.195	3.20
	275.00	277.725	2.72
	273.44	278.246	4.80
	271.59	278.846	7.26
	270.10	279.440	9.34
	269.20	279.295	10.09
	268.97	277.920	8.95
	265.75	276.120	10.37
	264.66	274.320	9.66
	259.51	272.520	13.01
	257.50	270.720	13.22
	257.41	268.920	11.51
	256.40	267.120	10.72
	255.00	265.320	10.32
	252.58	263.520	10.94
	250.98	261.720	10.74
	249.95	259.920	9.97
	249.24	258.120	8.88
	249.90	256.320	6.42
	249.77	254.520	4.75
	249.19	252.720	3.53
	246.62	250.920	4.30
	246.02	249.120	3.10
	245.32	247.320	2.00
	244.20	245.520	1.32
	242.91	243.720	0.81
	241.64	241.920	0.28
	240.39	240.156	0.23
	238.59	238.574	0.02
	236.77	237.074	0.30
	235.40	235.574	0.17





COTAS	CABEZA CARRIL	235.574	234.074	232.574	231.074	229.574	228.074
	TERRENO	235.40	233.31	231.80	230.07	229.17	228.04
COTAS ROJAS	DESMONTE	0.17	0.76	0.76	1.00	0.40	0.07
	TERRAPLEN	0.00	0.00	0.00	0.00	0.00	0.00

