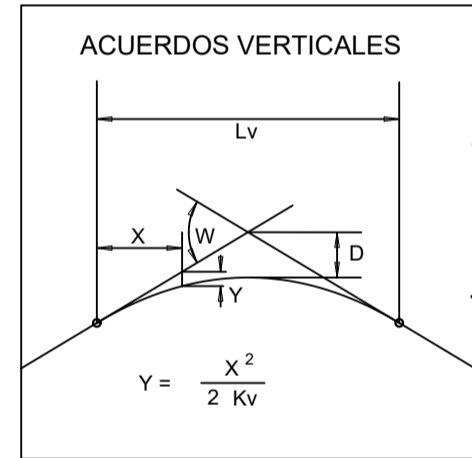
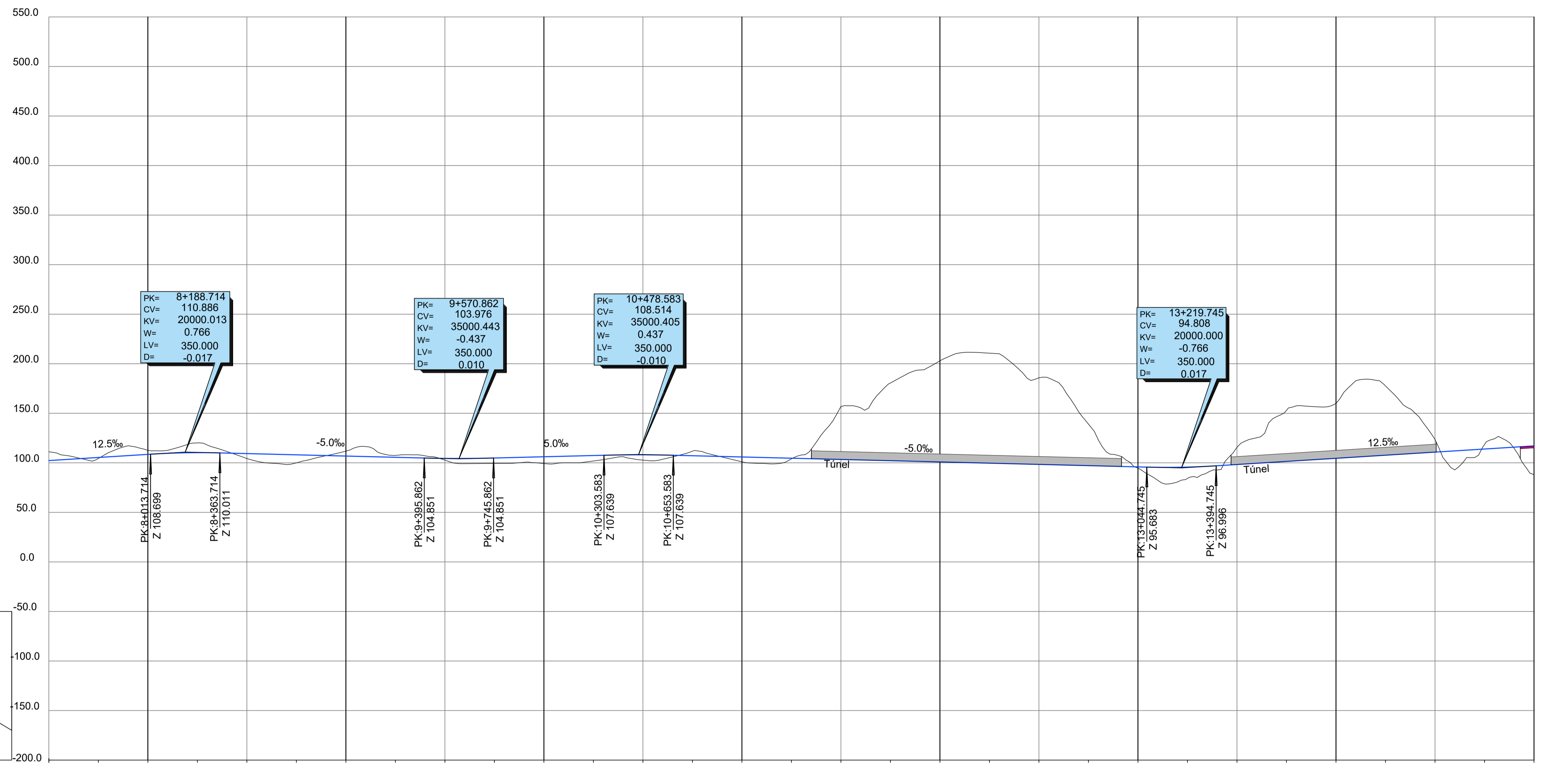
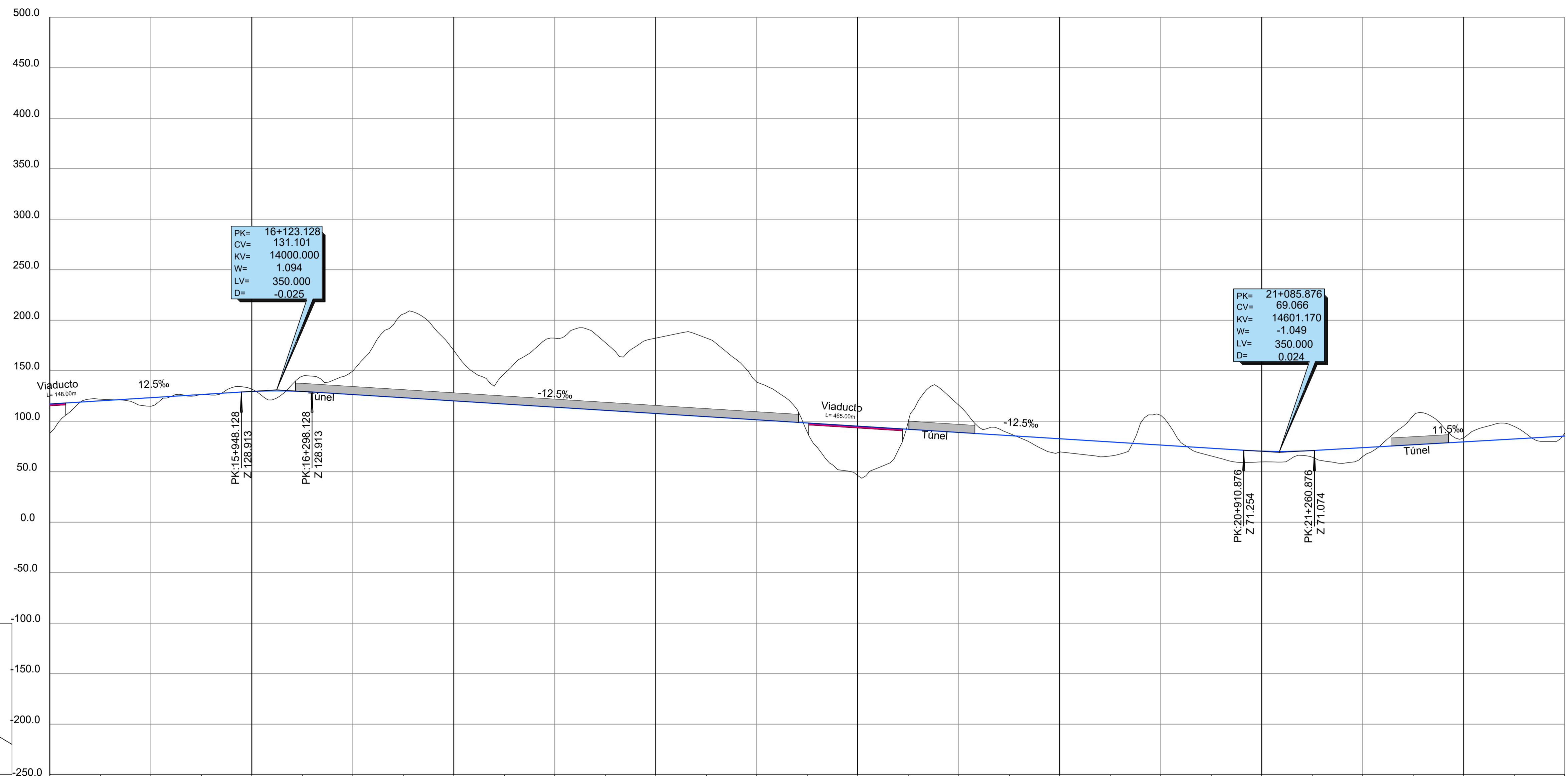


P.K.	0+000	0+500	1+000	1+500	2+000	2+500	3+000	3+500	4+000	4+500	5+000	5+500	6+000	6+500	7+000	7+500															
COTA DE RASANTE	19.21	20.56	21.92	23.27	24.62	25.97	27.61	30.40	33.53	36.65	39.78	42.90	46.03	49.15	52.28	55.40	58.53	61.65	64.78	67.90	71.03	74.15	77.28	80.40	83.53	86.65	89.78	92.90	96.03	99.15	102.28
COTA DE TERRENO	19.21	20.53	19.16	17.11	13.70	7.34	15.07	20.86	74.04	95.85	107.20	82.29	104.60	124.03	141.12	160.93	166.61	154.54	150.00	144.40	142.29	122.31	107.97	120.15	125.76	111.10	113.22	133.69	154.25	141.29	111.12
COTA ROJA DESMONTE									-40.52	-59.20	-67.42	-39.39	-58.57	-74.88	-88.84	-105.53	-108.09	-92.89	-85.22	-76.50	-71.26	-48.16	-30.69	-39.74	-42.24	-24.45	-23.45	-40.79	-58.22	-42.14	8.84
COTA ROJA TERRAPLÉN	0.00	0.03	2.75	6.16	10.92	18.63	12.54	9.54																							
DIAGRAMA DE CURVATURAS	RECTA		A=281 R=525		A=281		RECTA						A=620 R=1600																		
	0+000.000	0+280.852	0+430.852	0+699.519	0+849.519									4+286.909	4+526.909																

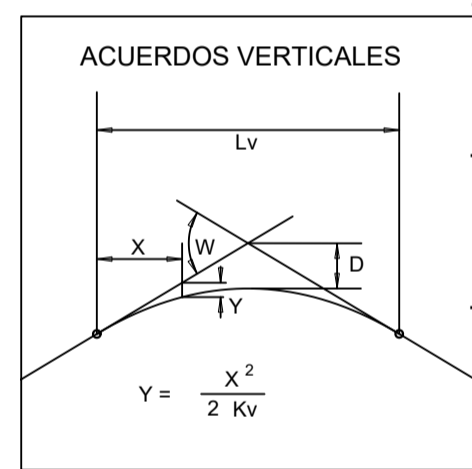


P.K.	7+500	8+000	8+500	9+000	9+500	10+000	10+500	11+000	11+500	12+000	12+500	13+000	13+500	14+000	14+500	15+000																
COTA DE RASANTE	102.28	105.40	108.53	110.26	109.33	108.08	106.83	105.58	104.48	104.87	106.12	107.37	108.07	107.16	105.91	104.66	103.41	102.16	100.91	99.66	98.41	97.16	95.91	95.71	98.31	101.44	104.56	107.69	110.81	113.94	117.06	
COTA DE TERRENO	111.12	104.41	112.57	120.10	104.32	99.98	111.76	107.55	102.72	99.39	99.23	101.83	102.73	111.72	101.04	103.99	156.87	180.58	202.97	210.66	185.83	139.08	94.72	84.25	115.73	152.98	159.95	177.62	123.68	118.45	88.17	
COTA ROJA DESMONTE	8.84	4.04	9.84		4.93	1.97								4.56			53.46	78.42	102.07	111.01	87.42	41.93			17.42	51.54	55.39	69.93	12.86	4.51		
COTA ROJA TERRAPLÉN	0.99			5.01	8.10		1.77	5.48	6.89	5.54	5.34	4.86	0.87										1.19	11.46								28.89
DIAGRAMA DE CURVATURAS	RECTA		A=1082		R=3550		RECTA		A=1601		R=6100		A=1601		RECTA																	
	R=1600	A=620	7+659.366	7+899.366	9+042.017	9+372.017	9+847.667					12+442.653	12+862.653	13+518.692	13+938.692																	



PK= 16+123.128  
CV= 131.101  
KV= 14000.000  
W= 1.094  
LV= 350.000  
D= -0.025

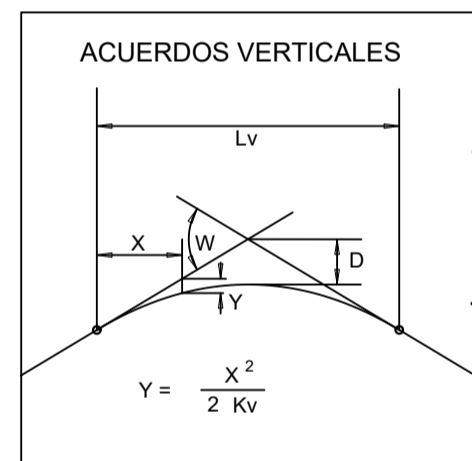
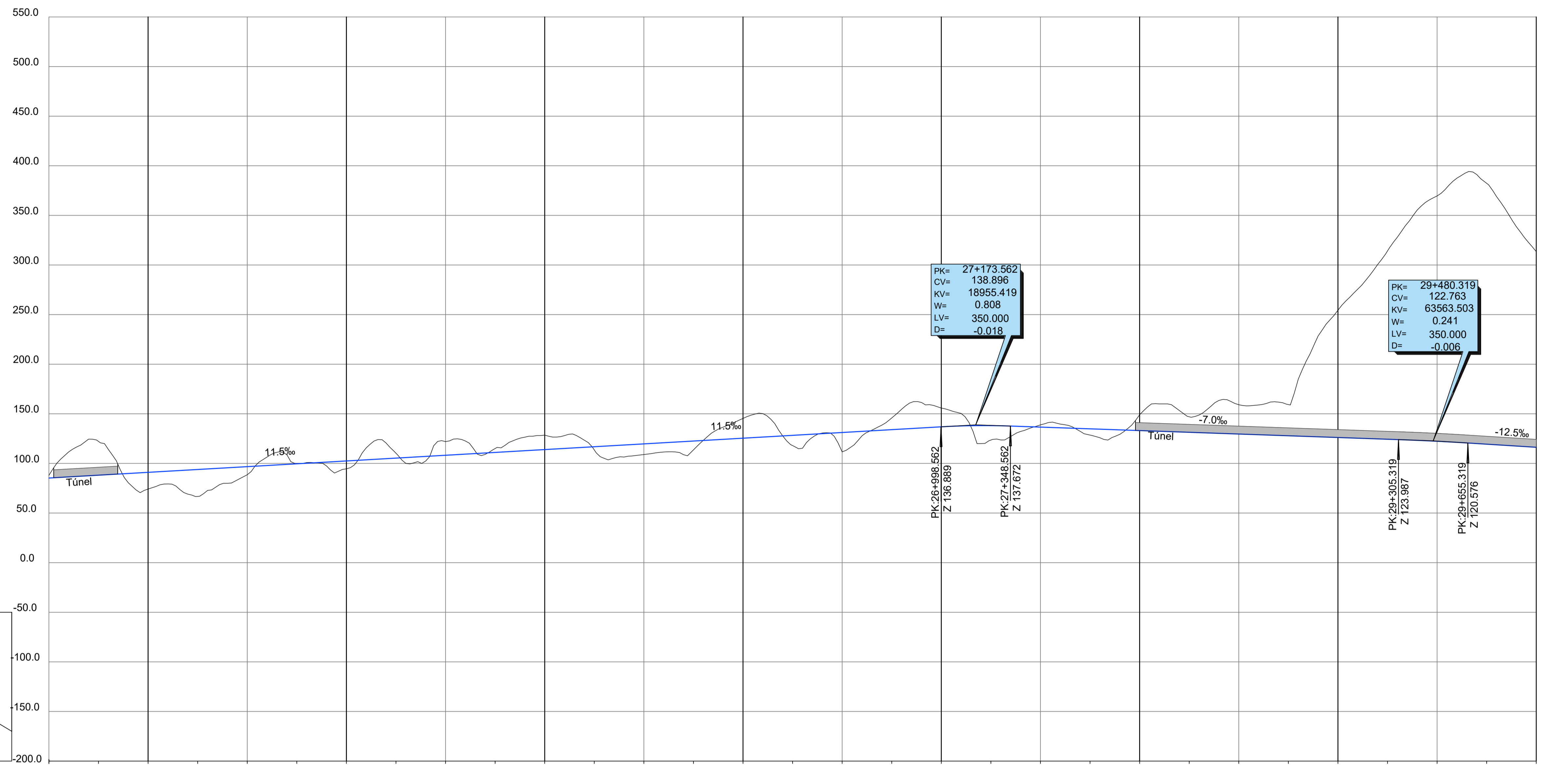
PK= 21+085.876  
CV= 69.066  
KV= 14601.170  
W= -1.049  
LV= 350.000  
D= 0.024



P.K.
COTA DE RASANTE
COTA DE TERRENO
COTA ROJA DESMONTE
COTA ROJA TERRAPLEN
DIAGRAMA DE CURVATURAS

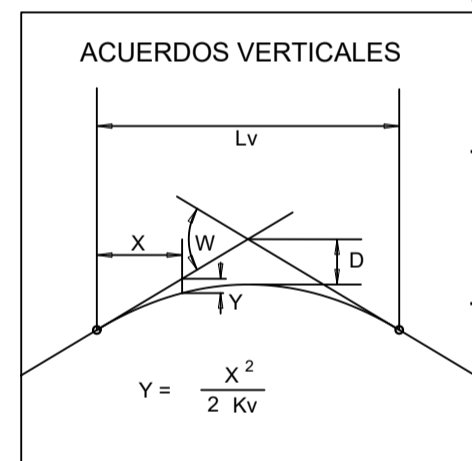
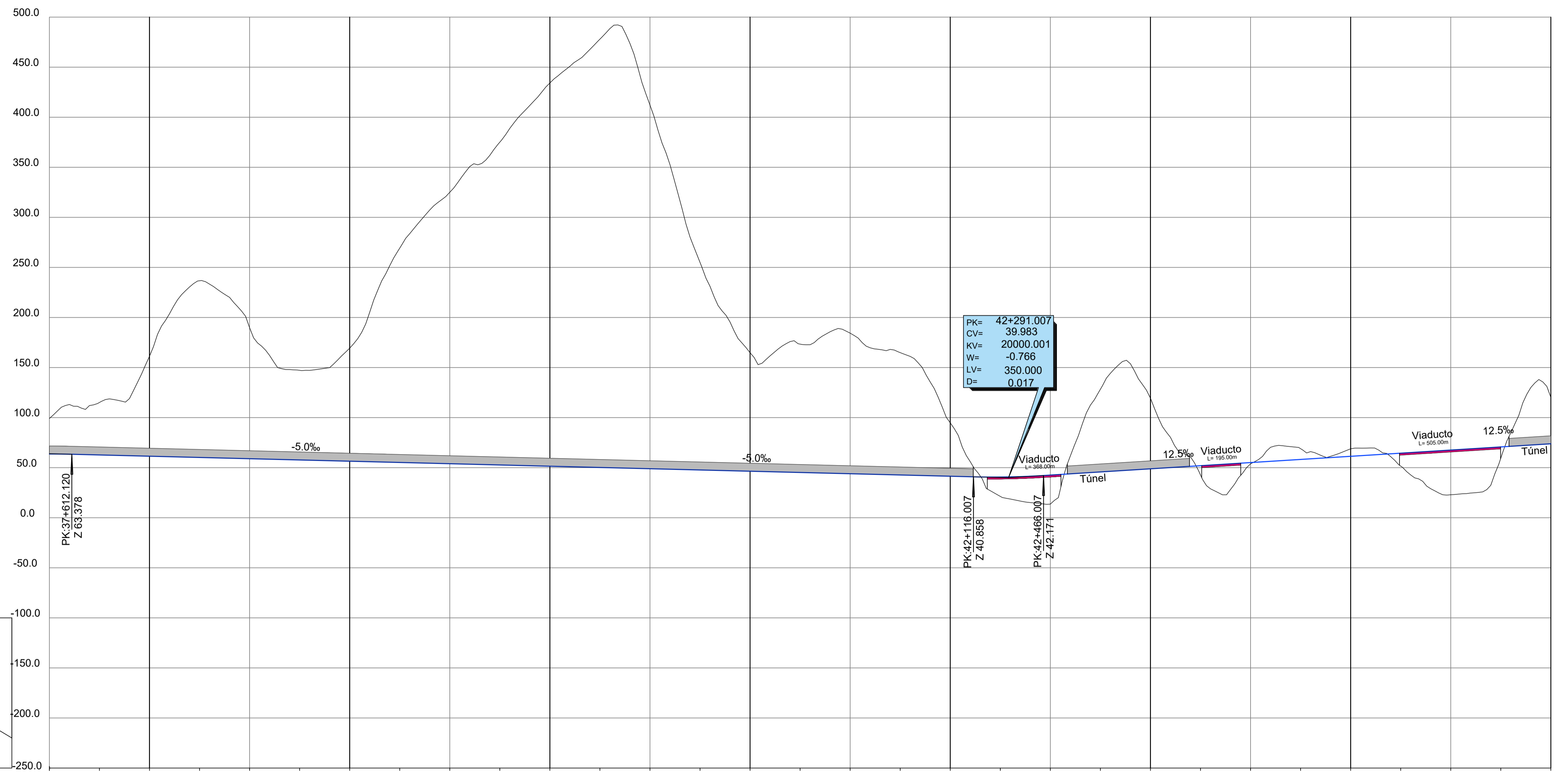
P.K.	15+000	15+500	16+000	16+500	17+000	17+500	18+000	18+500	19+000	19+500	20+000	20+500	21+000	21+500	22+000	22+500																
COTA DE RASANTE	117.06	120.19	123.31	126.44	129.47	129.43	126.39	123.26	120.14	117.01	113.89	110.76	107.64	104.51	101.39	98.26	95.14	92.01	88.89	85.76	82.64	79.51	76.39	73.26	70.41	70.95	73.82	76.68	79.55	82.42	85.29	
COTA DE TERRENO	88.17	121.80	114.78	126.19	131.74	144.48	149.70	206.13	170.12	147.05	182.26	177.91	182.29	182.38	138.67	89.13	46.15	99.48	115.89	87.93	69.62	65.54	105.85	65.59	59.71	64.34	65.06	105.44	83.50	94.84	88.02	
COTA ROJA DESMONTE		1.61			2.27	15.05	23.31	82.87	49.99	30.04	68.37	67.15	74.65	77.87	37.28			7.47	27.00	2.17			29.46					28.76	3.95	12.42	2.73	
COTA ROJA TERRAPLEN	28.89		8.53	0.25												9.13	48.99				13.02	13.98		7.67	10.70	6.61	8.76					
DIAGRAMA DE CURVATURAS	RECTA																															
		A=1601	R=6100		A=1601																						A=1601	R=6100				
		15+590.772	16+010.772		16+810.956		17+230.956																				21+247.411	21+667.411				



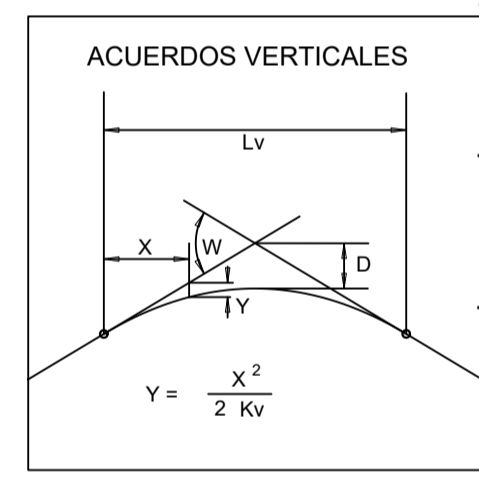
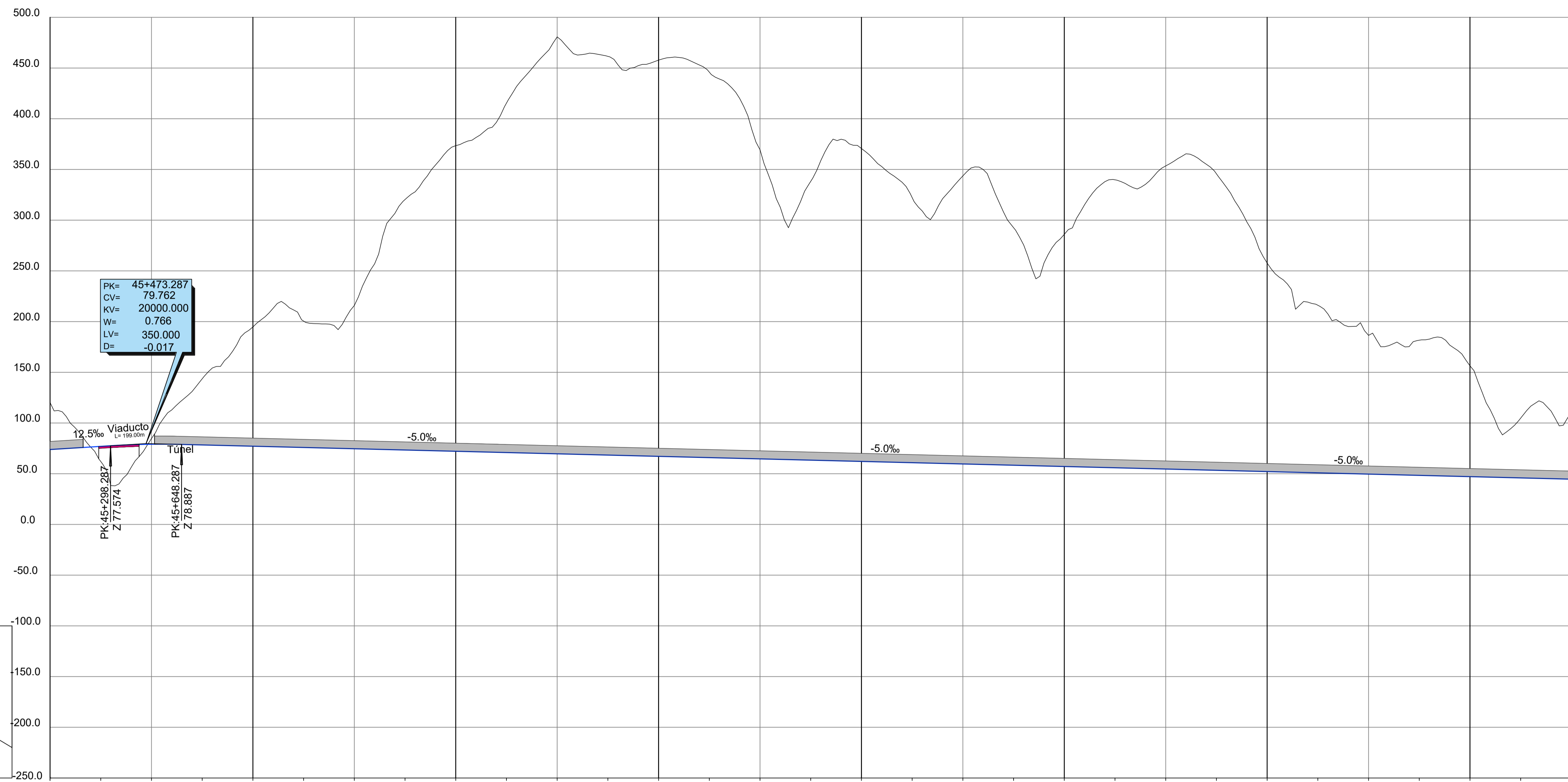


P.K.	22+500	23+000	23+500	24+000	24+500	25+000	25+500	26+000	26+500	27+000	27+500	28+000	28+500	29+000	29+500	30+000
COTA DE RASANTE	85.29	88.15	91.02	93.89	96.76	99.63	102.49	105.36	108.23	111.10	113.96	116.83	119.70	122.57	125.43	128.30
COTA DE TERRENO	88.02	122.18	74.18	66.76	88.59	100.00	94.54	110.30	121.99	115.01	128.51	113.62	108.97	113.62	145.36	117.99
COTA ROJA DESMONTE	2.73	34.02			0.37		4.94		13.77	3.91	14.55			19.92	11.79	18.87
COTA ROJA TERRAPLÉN		16.85	27.13	8.17	7.95		3.22	10.73	8.94	10.32	19.54	11.79	18.87	14.55	6.30	2.26
DIAGRAMA DE CURVATURAS	<p>R=6100</p> <p>A=1601</p> <p>RECTA</p> <p>A=1082 R=3550</p> <p>A=1082</p>															



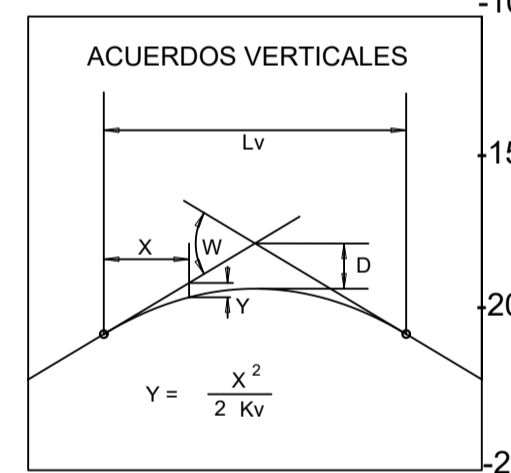
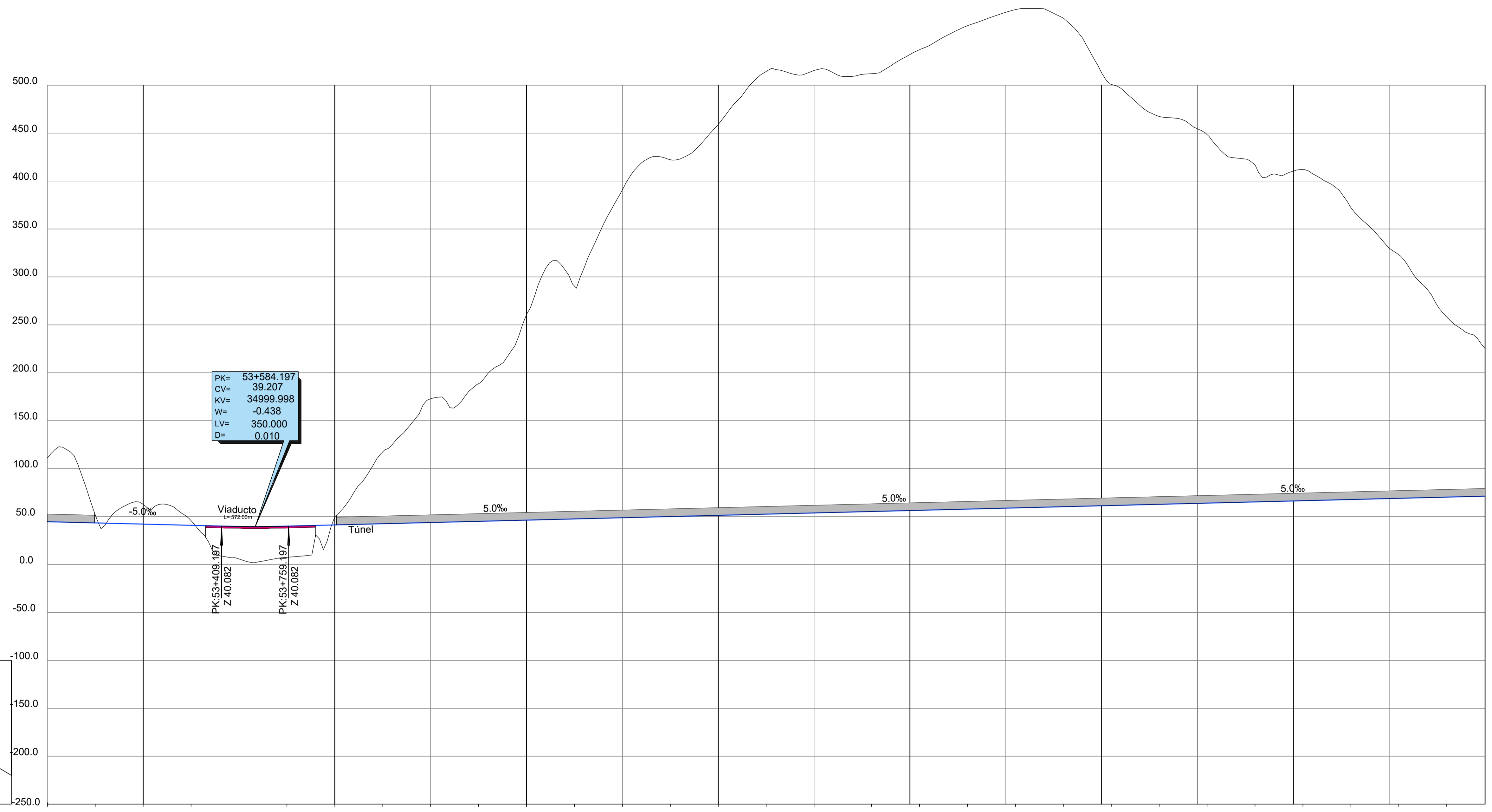


P.K.	37+500	38+000	38+500	39+000	39+500	40+000	40+500	41+000	41+500	42+000	42+500	43+000	43+500	44+000	44+500	45+000															
COTA DE RASANTE	63.67	62.69	61.44	60.19	58.94	57.69	56.44	55.19	53.94	52.69	51.44	50.19	48.94	47.69	46.44	45.19	43.94	42.69	41.44	40.64	42.60	45.72	48.85	51.97	55.10	58.22	61.35	64.47	67.60	70.72	73.85
COTA DE TERRENO	99.12	115.11	161.28	236.65	189.79	147.23	169.33	269.27	325.05	375.11	434.19	477.99	412.16	254.98	164.80	173.40	184.33	164.90	94.77	21.32	13.61	128.32	119.38	42.70	53.83	68.97	68.85	51.59	22.95	59.48	120.21
COTA ROJA DESMONTE	35.45	52.42	99.84	176.46	130.86	89.54	112.89	214.08	271.12	322.42	382.75	427.80	363.22	207.29	118.36	128.21	140.39	122.21	53.33	19.32	28.98	82.60	70.53	9.27	1.27	10.75	7.51	12.88	44.64	11.24	46.36
COTA ROJA TERRAPLÉN																															
DIAGRAMA DE CURVATURAS	RECTA										A=742 R=2200																				



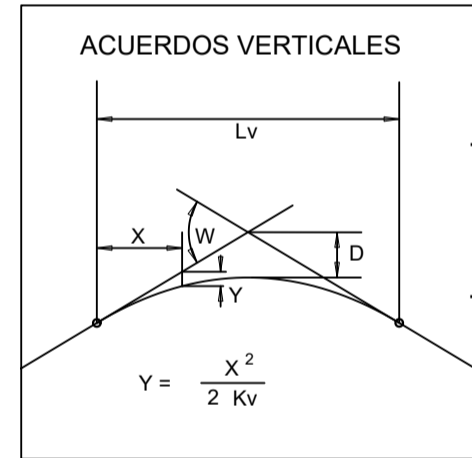
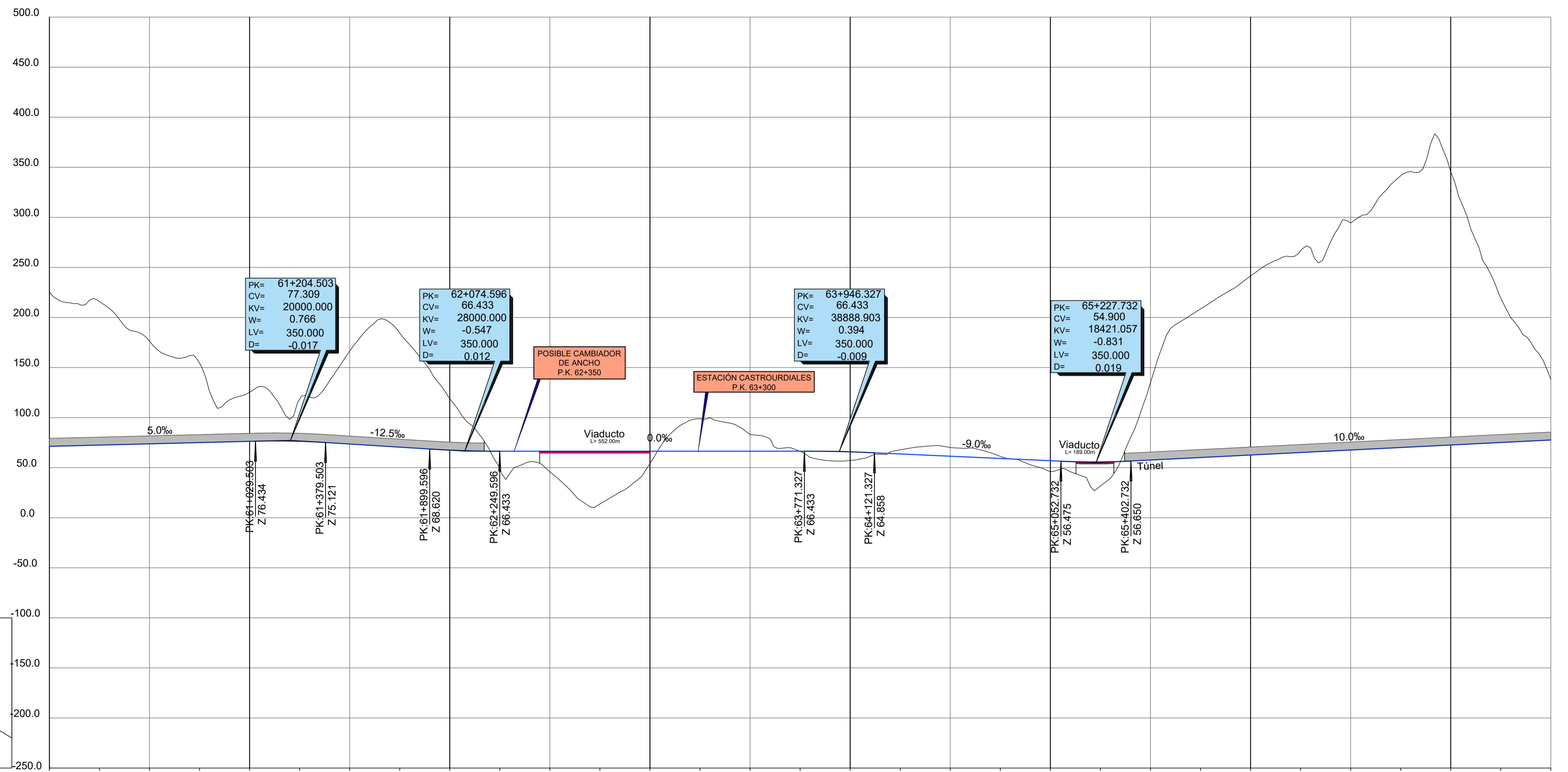
P.K.	45+000	45+500	46+000	46+500	47+000	47+500	48+000	48+500	49+000	49+500	50+000	50+500	51+000	51+500	52+000	52+500
COTA DE RASANTE	73.85	76.97	79.08	78.38	77.13	75.88	74.63	73.38	72.13	70.88	69.63	68.38	67.13	65.88	64.63	63.38
COTA DE TERRENO	120.21	62.05	84.69	143.58	194.69	200.50	215.88	320.34	373.49	415.39	480.73	461.52	457.83	445.95	445.95	369.47
COTA ROJA DESMONTE	46.36		5.61	65.20	117.56	124.62	141.25	246.96	301.36	344.51	411.10	393.14	390.70	380.07	304.84	274.90
COTA ROJA TERRAPLÉN	14.92															
DIAGRAMA DE CURVATURAS																



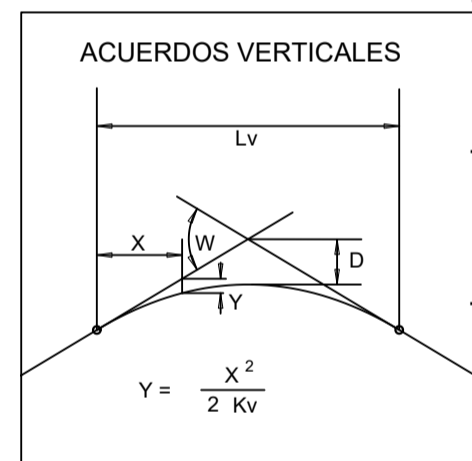
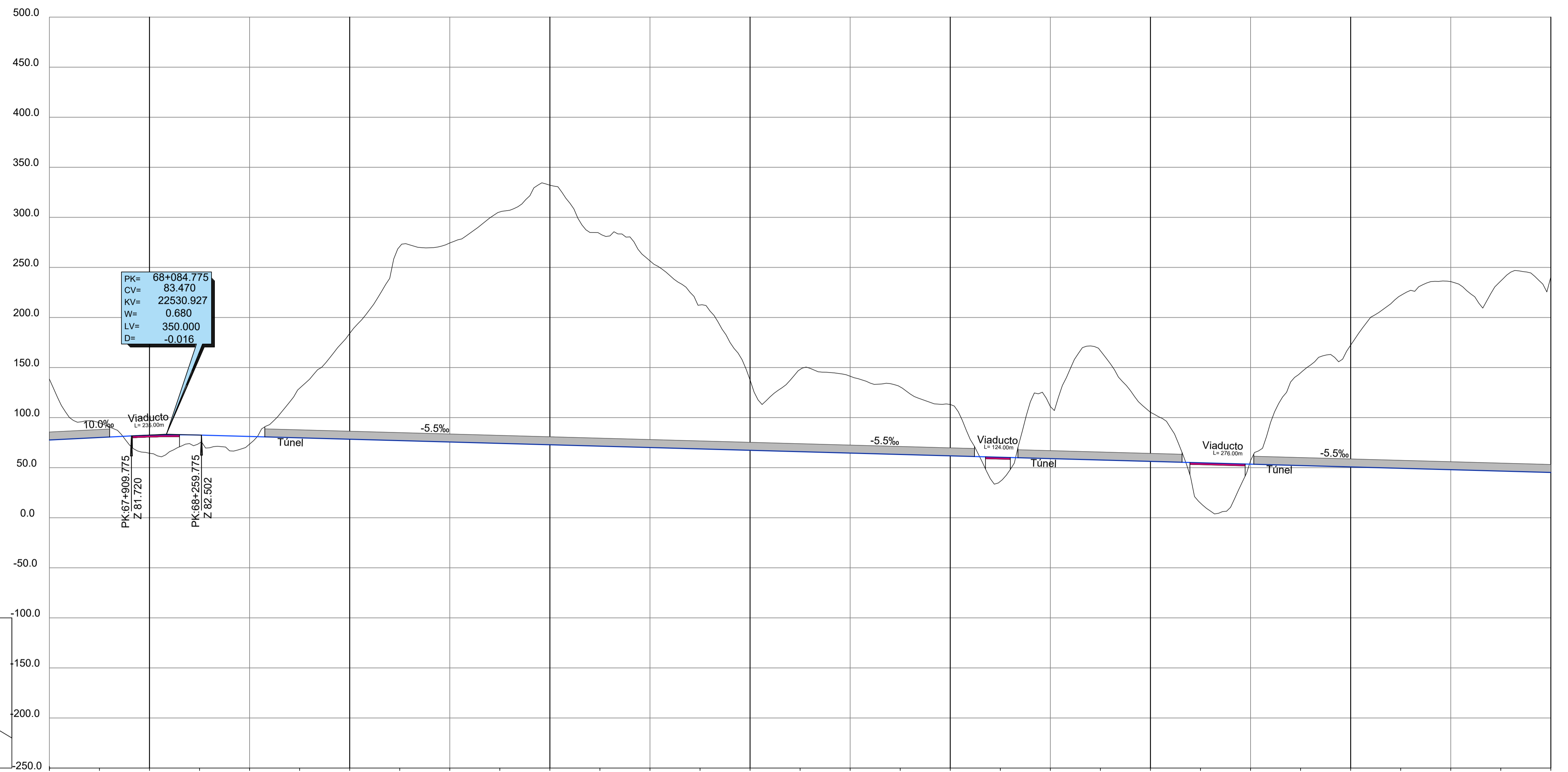


P.K.	52+500	53+000	53+500	54+000	54+500	55+000	55+500	56+000	56+500	57+000	57+500	58+000	58+500	59+000	59+500	60+000
COTA DE RASANTE	44.63	43.38	42.13	40.88	39.75	40.04	41.29	42.54	43.79	45.04	46.29	47.54	48.79	50.04	51.29	52.54
COTA DE TERRENO	111.04	51.98	62.81	45.75	5.81	7.49	49.90	117.52	172.93	188.65	260.79	290.43	390.79	422.28	459.02	514.31
COTA ROJA DESMONTE	66.41	8.60	20.66	4.87			8.61	74.99	129.14	143.62	214.50	242.89	342.01	372.24	407.74	461.78
COTA ROJA TERRAPLÉN					33.93	32.54										
DIAGRAMA DE CURVATURAS	<p>Vertical curve data: A=1082, R=3550, A=1082, RECTA, A=506. Stationing for curve segments: 53+263.151 to 53+593.151, 55+980.980 to 56+310.980, 59+929.339.</p>															

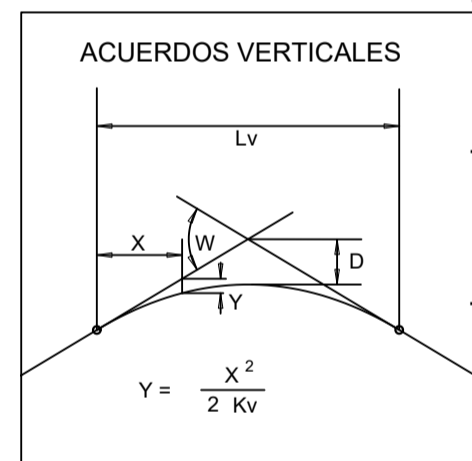
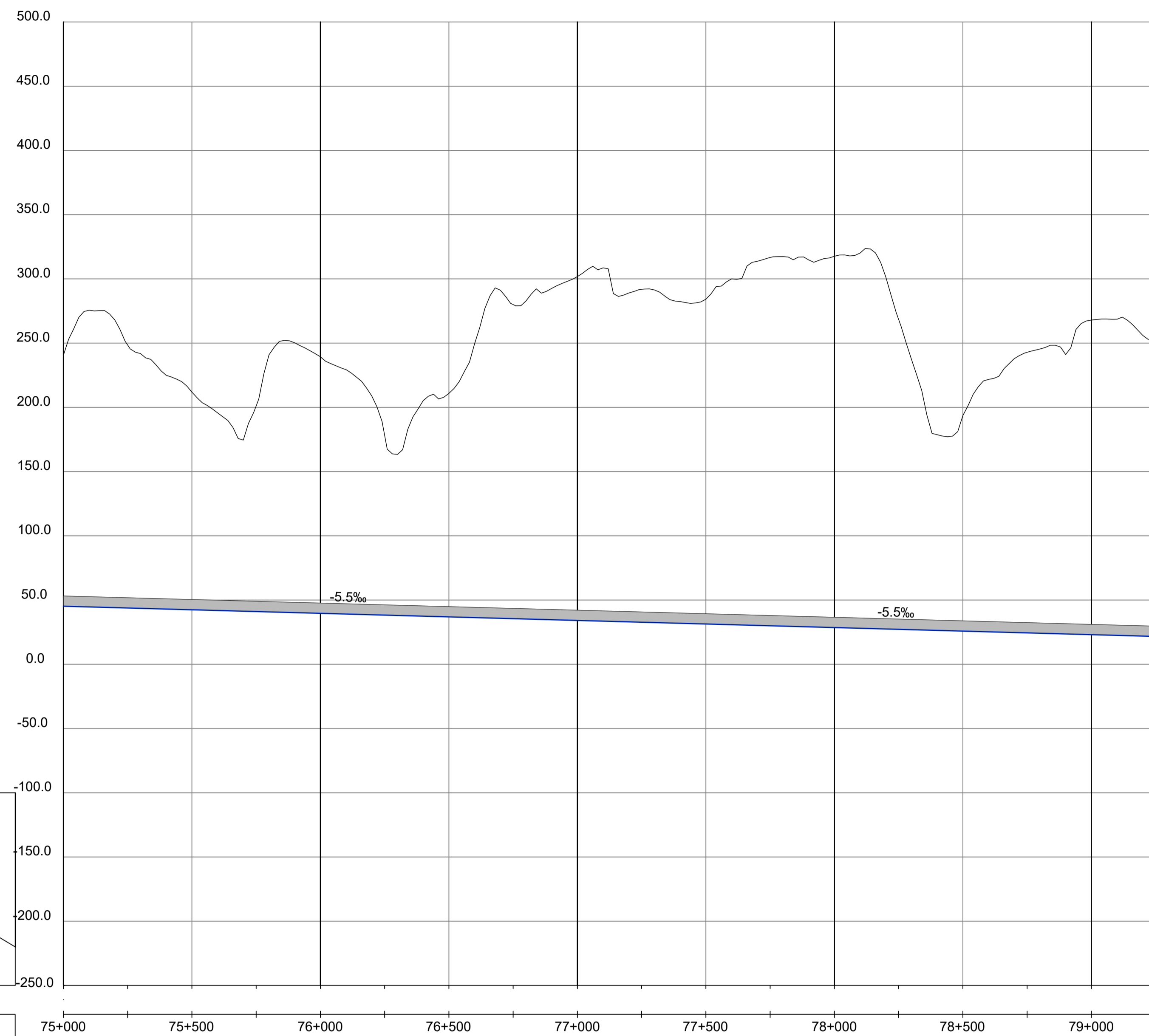




P.K.	60+000	60+500	61+000	61+500	62+000	62+500	63+000	63+500	64+000	64+500	65+000	65+500	66+000	66+500	67+000	67+500															
COTA DE RASANTE	71.29	72.54	73.79	75.04	76.29	76.32	73.62	70.49	67.55	66.43	66.43	66.43	66.43	66.43	66.43	66.43	65.76	63.70	61.45	59.20	56.95	55.76	57.62	60.12	62.62	65.12	67.62	70.12	72.62	75.12	77.62
COTA DE TERRENO	225.46	216.00	176.29	154.42	125.29	118.37	166.41	184.44	118.83	48.49	45.74	13.76	54.07	98.77	83.17	66.26	57.19	67.79	70.12	61.29	46.04	31.63	135.00	208.54	241.35	266.41	294.40	341.58	345.51	219.38	138.40
COTA ROJA DESMONTE	154.17	143.46	102.51	79.39	49.01	42.05	92.79	113.95	51.28	17.94	20.69	52.67	12.36	32.34	16.74	0.17	8.57	4.09	8.67	2.09	10.91	24.13	77.38	148.42	178.73	201.29	226.78	271.45	272.89	144.26	60.78
COTA ROJA TERRAPLÉN																															
DIAGRAMA DE CURVATURAS																															



P.K.	67+500	68+000	68+500	69+000	69+500	70+000	70+500	71+000	71+500	72+000	72+500	73+000	73+500	74+000	74+500	75+000															
COTA DE RASANTE	77.62	80.12	82.44	82.55	81.17	79.79	78.41	77.02	75.64	74.25	72.87	71.49	70.10	68.72	67.34	65.95	64.57	63.19	61.80	60.42	59.04	57.65	56.27	54.89	53.50	52.12	50.73	49.35	47.97	46.58	45.20
COTA DE TERRENO	138.40	94.75	64.38	74.55	73.56	129.35	184.07	270.85	274.43	305.41	332.11	283.62	256.53	212.46	137.60	148.07	141.33	130.64	113.11	36.33	111.04	166.78	105.29	14.61	57.09	144.71	172.36	221.96	235.84	236.46	240.50
COTA ROJA DESMONTE	60.78	14.63			49.56	105.67	193.82	198.79	231.16	259.24	212.13	186.42	143.74	70.27	82.12	76.76	67.45	51.31			52.00	109.13	49.03		3.59	92.59	121.62	172.61	187.87	189.88	195.30
COTA ROJA TERRAPLÉN			18.07	8.00	7.61															24.09					40.27						
DIAGRAMA DE CURVATURAS	RECTA															A=1082	R=3550	A=1082	RECTA			A=1082	R=3550								
																70+158.913	70+488.913	70+908.958	71+238.958				73+241.166	73+571.166							



P.K.

COTA DE RASANTE

COTA DE TERRENO

COTA ROJA DESMONTE

COTA ROJA TERRAPLÉN

DIAGRAMA DE CURVATURAS

75+000 75+500 76+000 76+500 77+000 77+500 78+000 78+500 79+000

45.20 43.82 42.43 41.05 39.67 38.28 36.90 35.52 34.13 32.75 31.36 29.98 28.60 27.21 25.83 24.45 23.06 21.62

240.50 248.50 211.88 201.09 239.36 178.19 210.88 280.01 301.79 291.86 284.19 316.64 317.62 268.44 193.66 242.86 267.95 284.97

195.30 204.68 169.44 160.04 199.69 139.91 173.98 244.49 267.66 259.11 252.82 286.65 289.02 241.23 167.83 218.41 244.88 232.98

