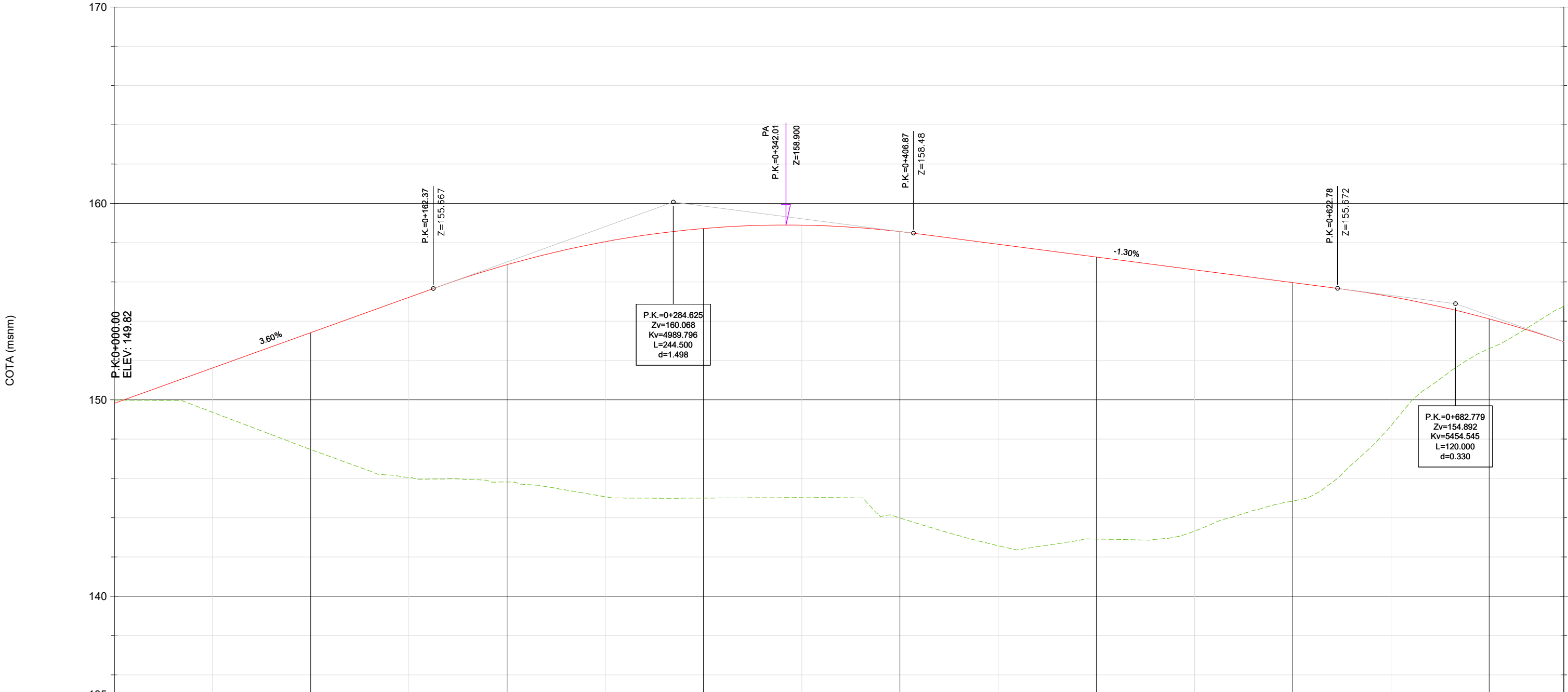
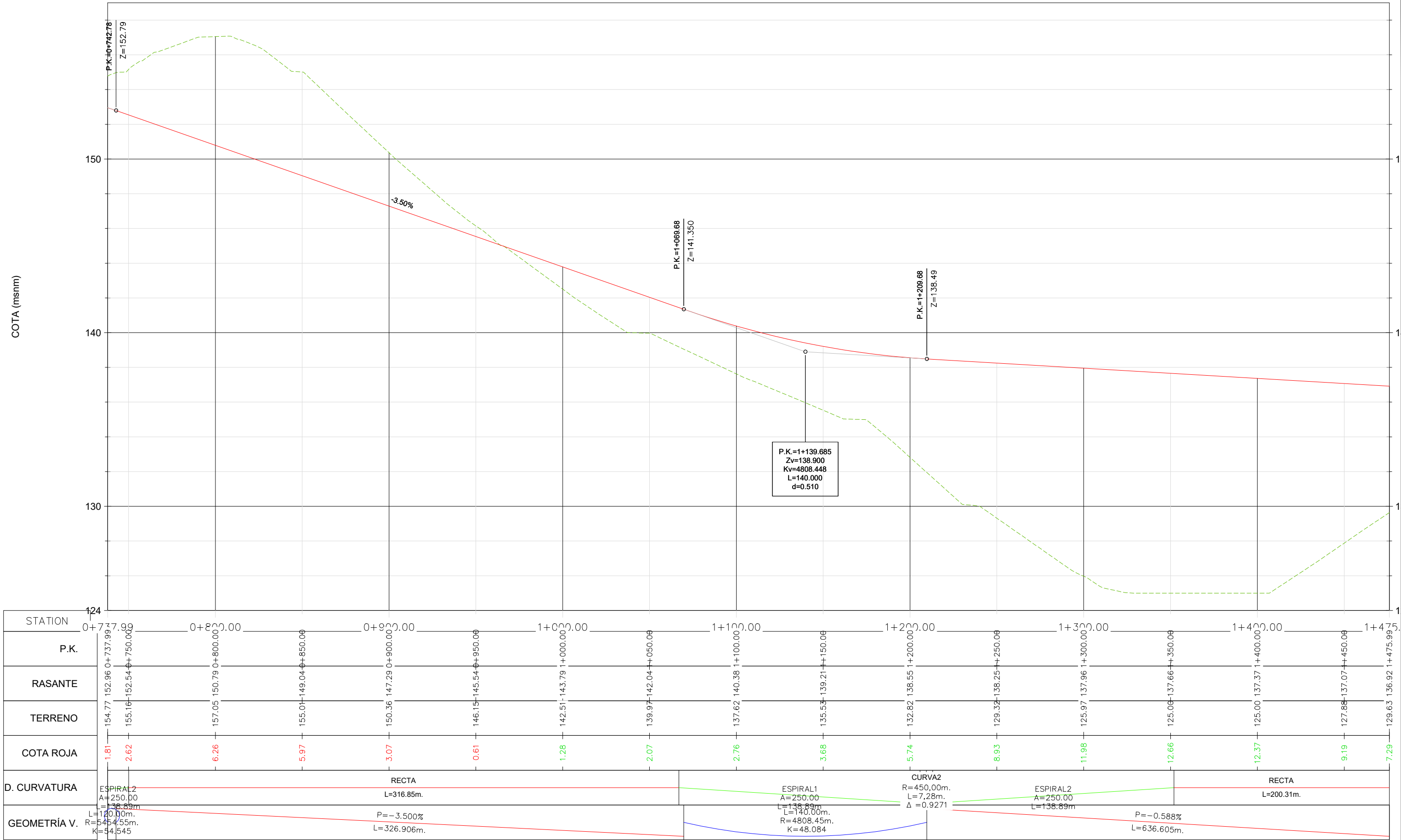


Perfil Longitudinal: MB
Escala - V: 100 H:1000

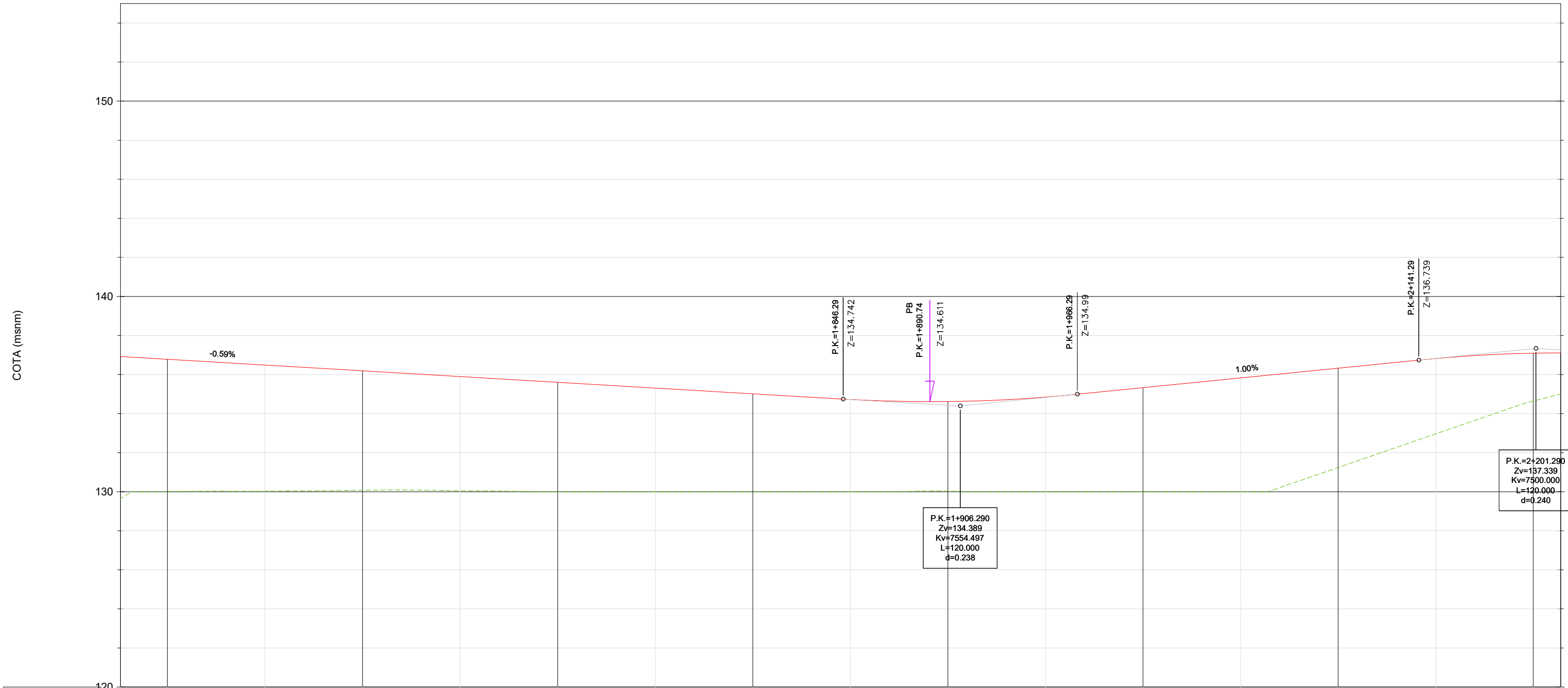


STATION	135															
P.K.	0+000.00	0+050.00	0+100.00	0+150.00	0+200.00	0+250.00	0+300.00	0+350.00	0+400.00	0+450.00	0+500.00	0+550.00	0+600.00	0+650.00	0+700.00	0+737.99
RASANTE	149.82	149.37	151.62	153.42	155.22	156.88	158.05	158.72	158.89	158.92	157.92	156.62	155.97	155.25	154.12	152.96
TERRENO	149.99	149.37	151.62	153.42	155.22	156.88	158.05	158.72	158.89	158.92	157.92	156.62	155.97	155.25	154.12	152.96
COTA ROJA	0.17	2.25	5.95	9.17	11.06	12.99	13.73	13.88	14.58	15.34	14.36	13.30	11.13	6.57	1.51	1.81
D. CURVATURA	RECTA L=158.88m.				ESPIRAL1 A=250.00 L=138.89m				CURVA1 R=450.00m. L=313.41m. Δ=39.9042				ESPIRAL2 A=250.00 L=138.89m			
GEOMETRÍA V.	P=3.600% L=162.375m				L=244.50m. R=4989.80m. K=49.898				P=-1.300% L=215.904m				L=120.00m. R=5454.55m. K=54.545			

Perfil Longitudinal: MB
Escala - V: 100 H:1000

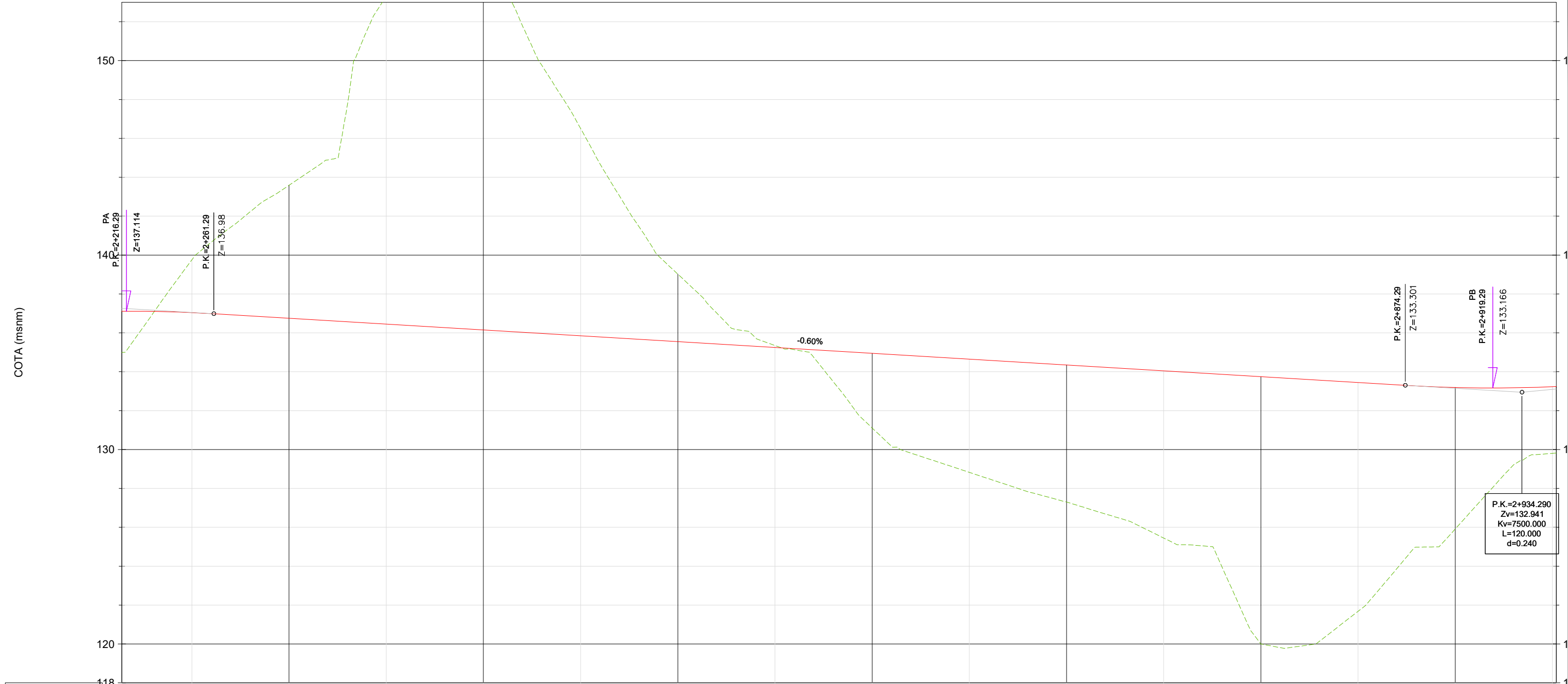


Perfil Longitudinal: MB
Escala - V: 100 H:1000



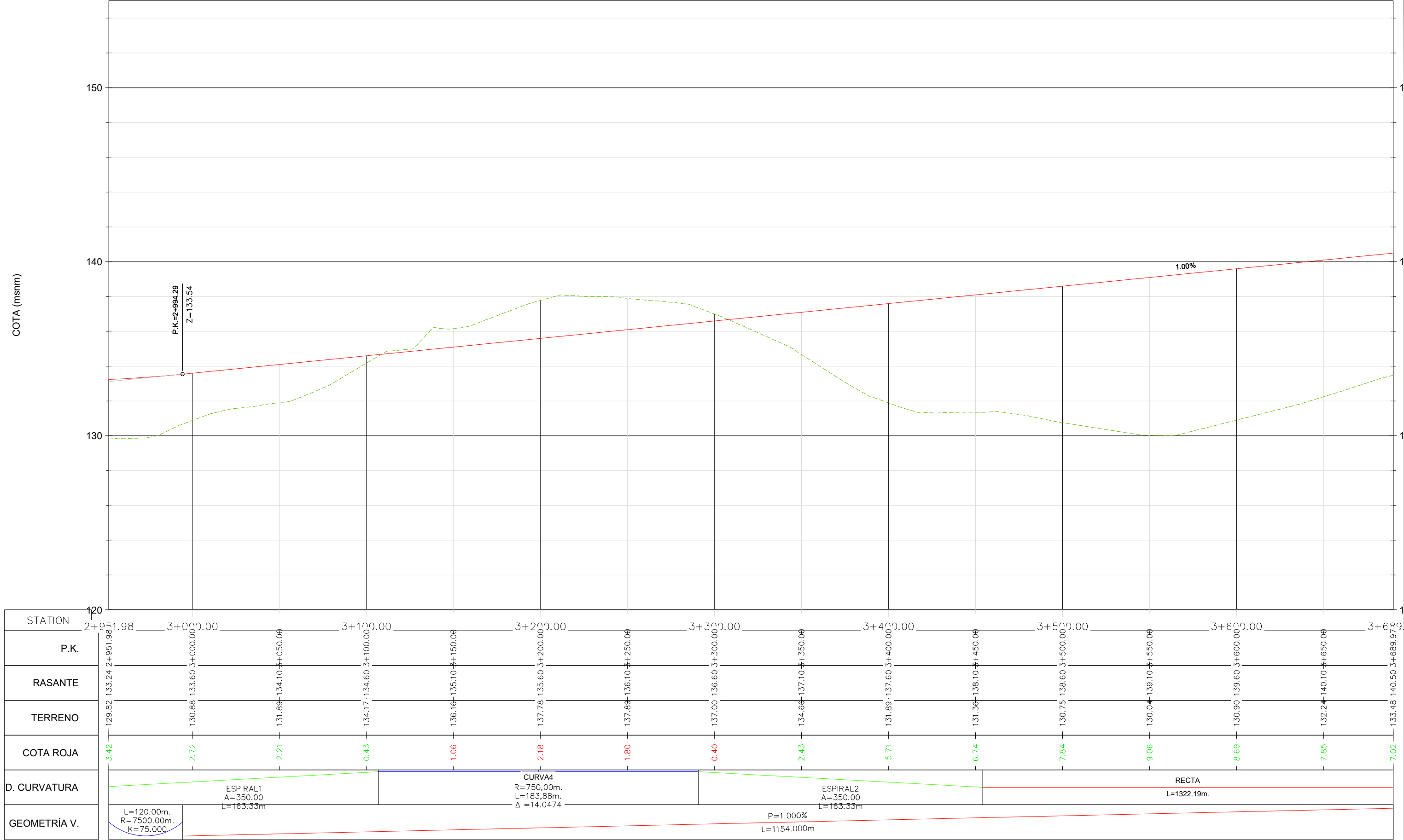
STATION	1+475.51+500.001+600.001+700.001+800.001+900.002+000.002+100.002+200.00+213.98																	
P.K.	1+475.991+500.001+550.001+600.001+650.001+700.001+750.001+800.001+850.001+900.001+950.002+000.002+050.002+100.002+150.002+200.002+213.98																	
RASANTE	129.63136.92130.01136.78130.03136.49130.08136.19130.06135.90130.00135.60130.06135.31130.00135.01130.06134.72130.03134.62130.06134.84130.00135.332+000.00130.06135.832+050.00131.24136.332+100.00132.96136.822+150.00134.65137.102+200.00134.99137.112+213.98																	
TERRENO	129.63136.92130.01136.78130.03136.49130.08136.19130.06135.90130.00135.60130.06135.31130.00135.01130.06134.72130.03134.62130.06134.84130.00135.332+000.00130.06135.832+050.00131.24136.332+100.00132.96136.822+150.00134.65137.102+200.00134.99137.112+213.98																	
COTA ROJA	7.296.776.466.125.845.605.315.024.724.594.845.335.835.083.862.452.12																	
D. CURVATURA	RECTA L=200.31m.		ESPIRAL1 A=268.33 L=160.00m				CURVA3 R=450.00m. L=72.30m. Δ=9.2058		ESPIRAL2 A=268.33 L=160.00m				RECTA L=998.98m.					
GEOMETRÍA V.					P=-0.588% L=636.605m.				L=120.00m. R=7554.50m. K=75.545				P=1.000% L=175.000m				L=120.00m. R=7500.00m. K=75.000	

Perfil Longitudinal: MB
Escala - V: 100 H:1000

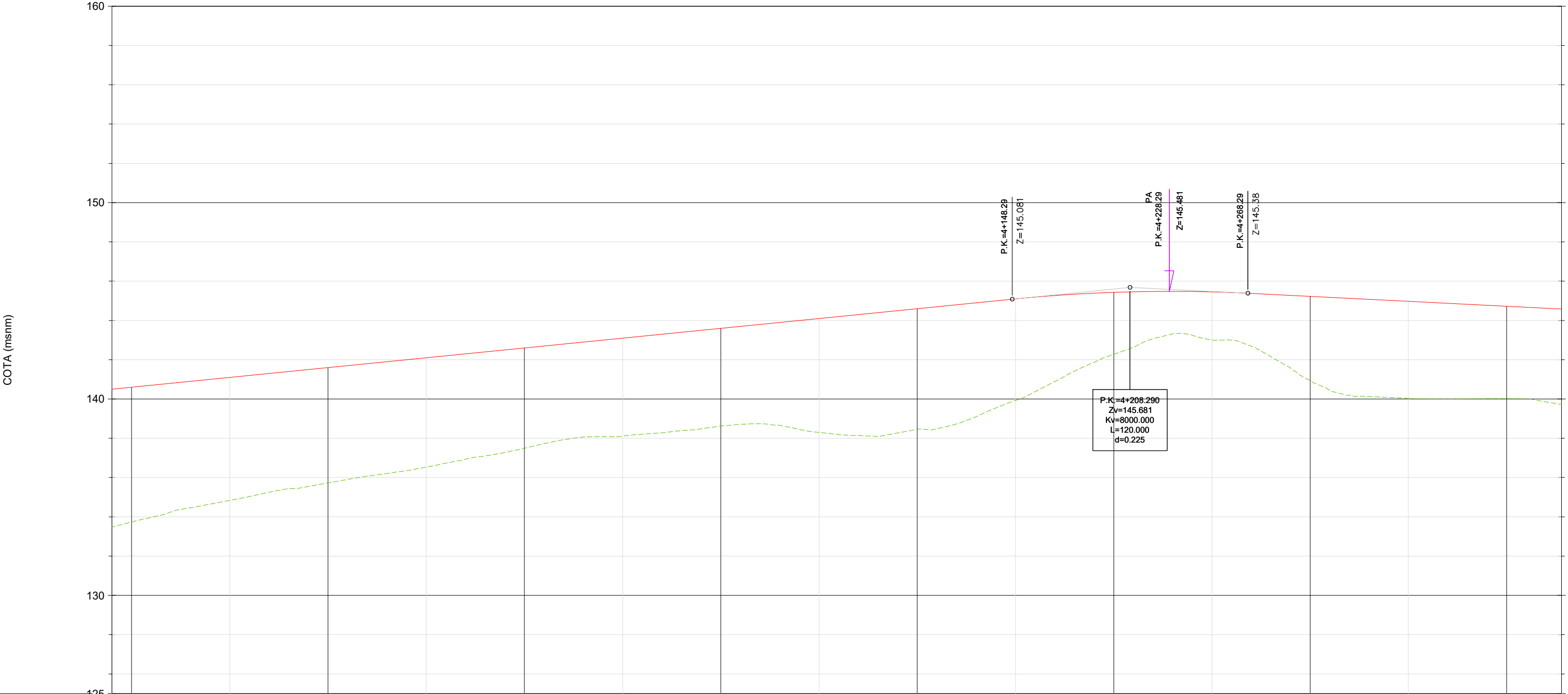


STATION	2+213.98	2+250.00	2+300.00	2+350.00	2+400.00	2+450.00	2+500.00	2+550.00	2+600.00	2+650.00	2+700.00	2+750.00	2+800.00	2+850.00	2+900.00	2+951.98
P.K.	2+213.98	2+250.00	2+300.00	2+350.00	2+400.00	2+450.00	2+500.00	2+550.00	2+600.00	2+650.00	2+700.00	2+750.00	2+800.00	2+850.00	2+900.00	2+951.98
RASANTE	134.99	139.76	143.59	153.29	155.58	146.51	139.02	135.35	131.11	128.83	127.30	125.45	120.00	121.68	125.91	129.82
TERRENO	134.99	139.76	143.59	153.29	155.58	146.51	139.02	135.35	131.11	128.83	127.30	125.45	120.00	121.68	125.91	129.82
COTA ROJA	2.12	2.72	6.84	16.84	19.44	10.66	3.48	0.10	3.84	5.82	7.05	8.60	13.75	11.77	7.28	3.42
D. CURVATURA	RECTA L=998.98m.															
GEOMETRÍA V.	L=120.00m. R=7500.00m. K=75.000															

Perfil Longitudinal: MB
Escala - V: 100 H:1000



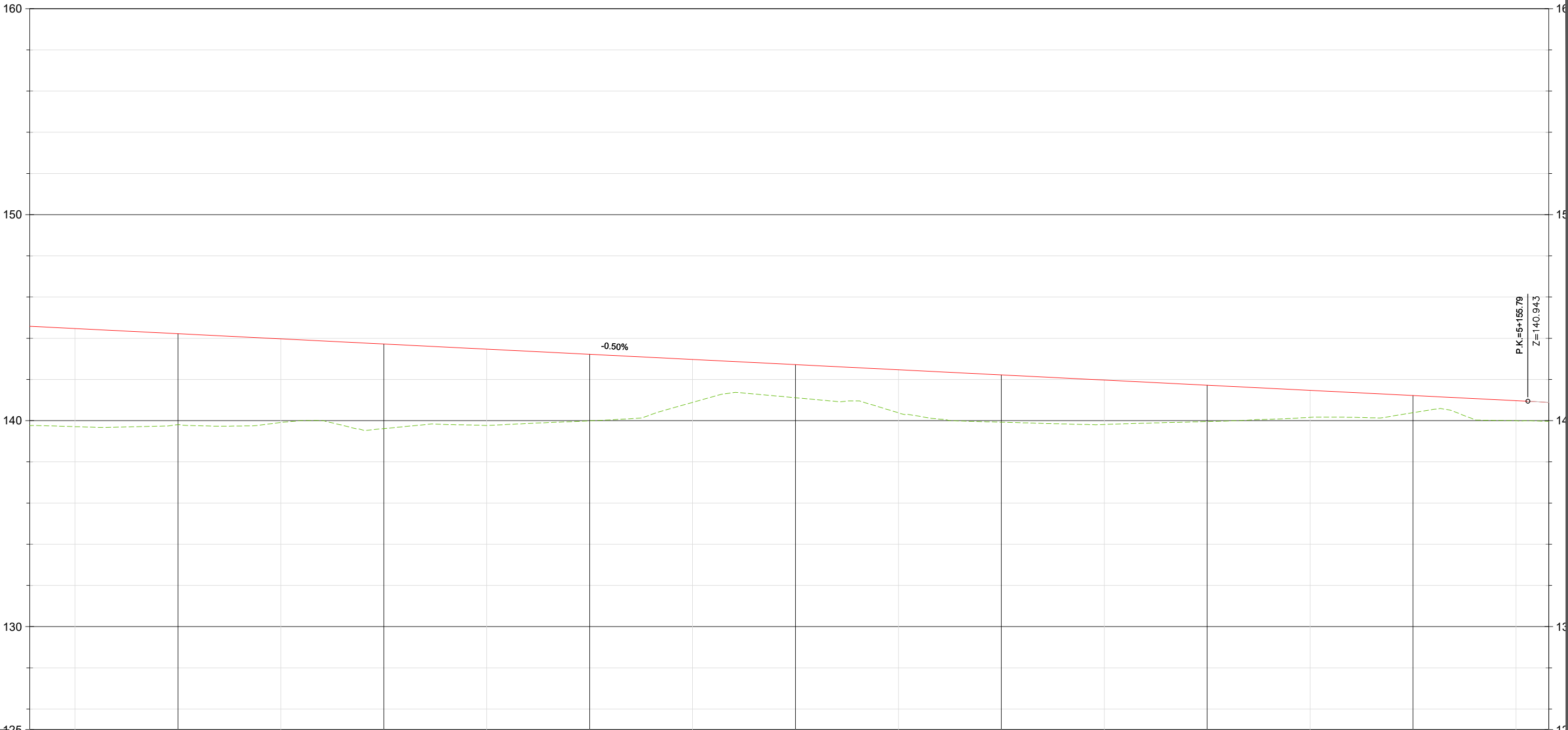
Perfil Longitudinal: MB
Escala - V: 100 H:1000



STATION	3+700.00	3+750.00	3+800.00	3+850.00	3+900.00	3+950.00	4+000.00	4+050.00	4+100.00	4+150.00	4+200.00	4+250.00	4+300.00	4+350.00	4+400.00	4+427.97
P.K.	3+689.97	3+700.00	3+750.00	3+800.00	3+850.00	3+900.00	4+000.00	4+050.00	4+100.00	4+150.00	4+200.00	4+250.00	4+300.00	4+350.00	4+400.00	4+427.97
RASANTE	140.50	140.60	141.10	142.10	142.60	143.10	143.60	144.10	144.60	145.10	145.43	145.45	145.22	144.97	144.72	144.58
TERRENO	133.48	133.74	134.84	135.73	136.53	137.49	138.11	138.63	138.46	139.92	142.28	143.08	140.94	140.03	140.03	139.75
COTA ROJA	7.02	6.86	6.26	5.87	5.57	5.11	4.99	4.97	6.14	5.17	3.16	2.45	4.29	4.94	4.70	4.83
D. CURVATURA	RECTA L=1322.19m.															
GEOMETRÍA V.	P=1.000% L=1154.000m										L=120.00m. R=8000.00m. K=80.000		P=-0.500% L=887.500m.			

Perfil Longitudinal: MB
Escala - V: 100 H:1000

COTA (msnm)



STATION	4+427.97	4+500.00	4+550.00	4+600.00	4+650.00	4+700.00	4+750.00	4+800.00	4+850.00	4+900.00	4+950.00	5+000.00	5+050.00	5+100.00	5+165.97
P.K.	4+427.97	4+450.00	4+500.00	4+550.00	4+600.00	4+650.00	4+700.00	4+750.00	4+800.00	4+850.00	4+900.00	4+950.00	5+000.00	5+050.00	5+165.97
RASANTE	144.58	144.47	144.22	143.97	143.72	143.47	143.22	142.97	142.72	142.47	142.22	141.97	141.72	141.47	140.97
TERRENO	139.75	139.71	139.80	139.91	139.61	139.77	139.99	140.88	141.11	140.38	139.93	139.81	139.96	140.16	140.08
COTA ROJA	4.83	4.76	4.42	4.06	4.11	3.70	3.23	2.09	1.61	2.09	2.30	2.16	1.77	1.31	0.97
D. CURVATURA	RECTA L=1322.19m.							ESPIRAL1 A=372.68 L=138.89m			CURVA5 R=1000.00m. L=575.78m. Δ = 32.9895				
GEOMETRÍA V.	P = -0.500% L=887.500m. L=182.00m. R=5200.00m K=52.000														



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ANÁLISIS FUNCIONAL Y PROPUESTA DE MEJORA DEL NUDO ENTRE
LAS AUTOVÍAS A-7 Y A-3 ENTRE LOS PP.KK. 335+000 Y 336+850
(PROVINCIA DE VALENCIA)

PLANO:

ALTERNATIVA 1 -CALZADA 1
Madrid-Barcelona

AUTOR:

Luis Gabriel Buitrago Pinzón

FECHA

FEBRERO 2026

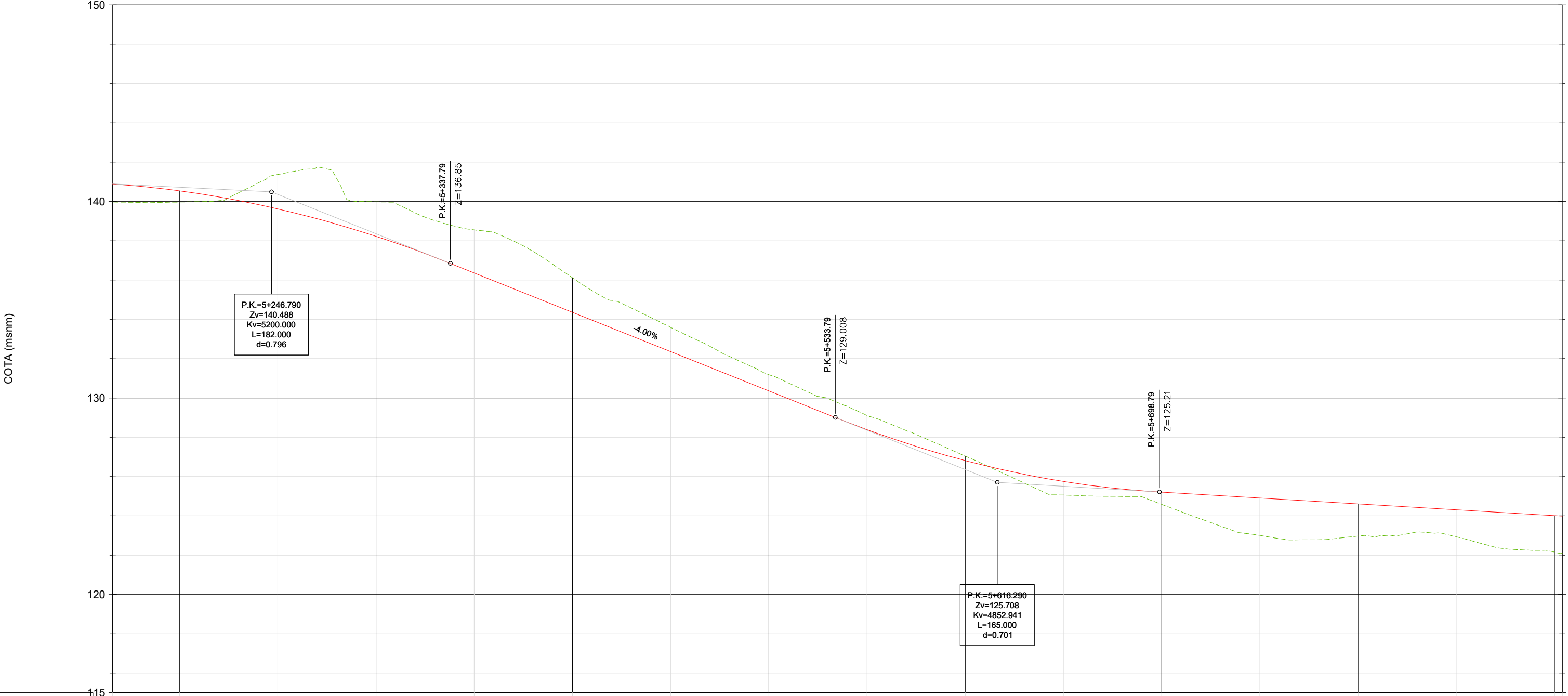
PLANO Nº 2

HOJA 7 DE 13

ESCALA:

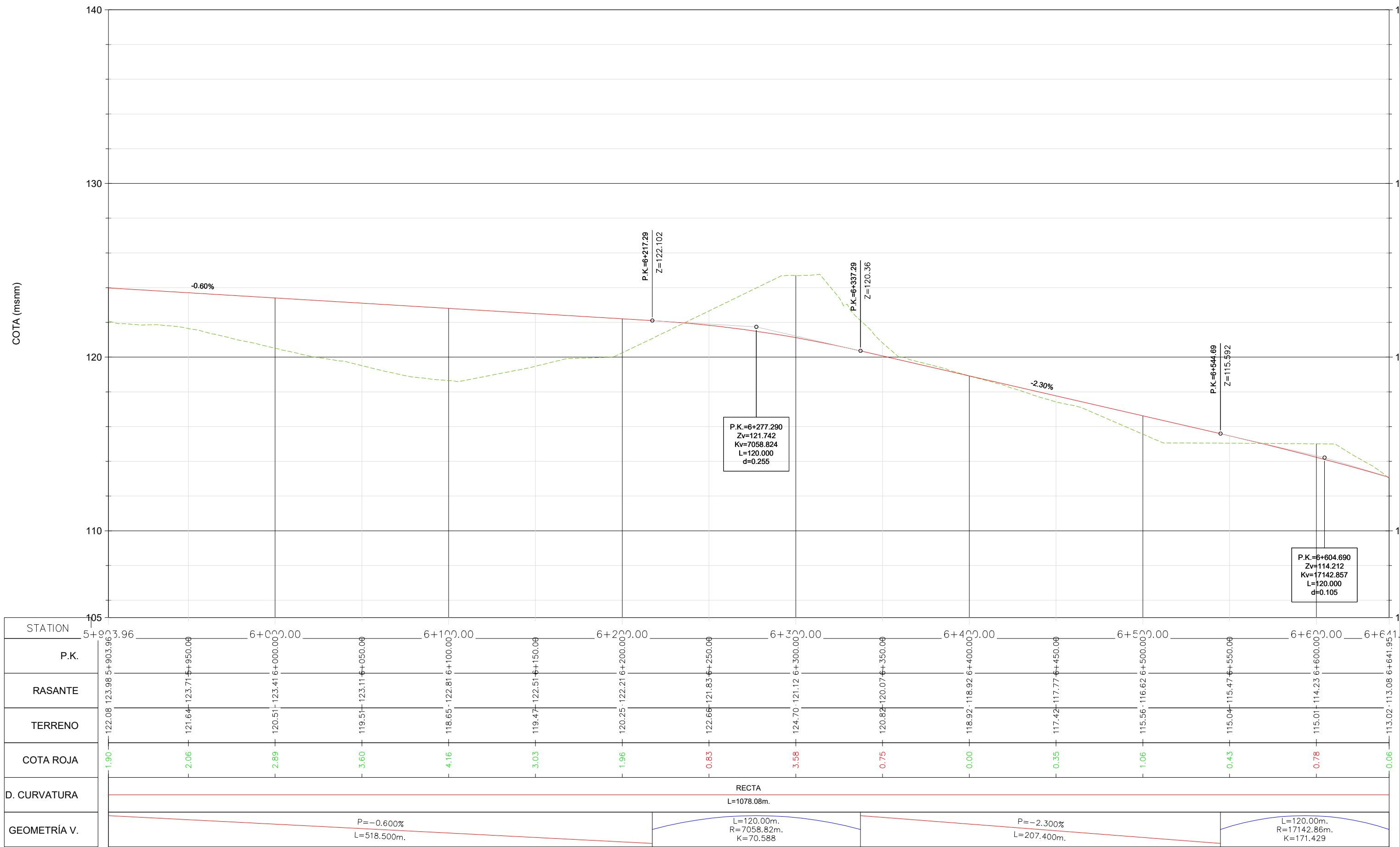
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Perfil Longitudinal: MB
Escala - V: 100 H:1000

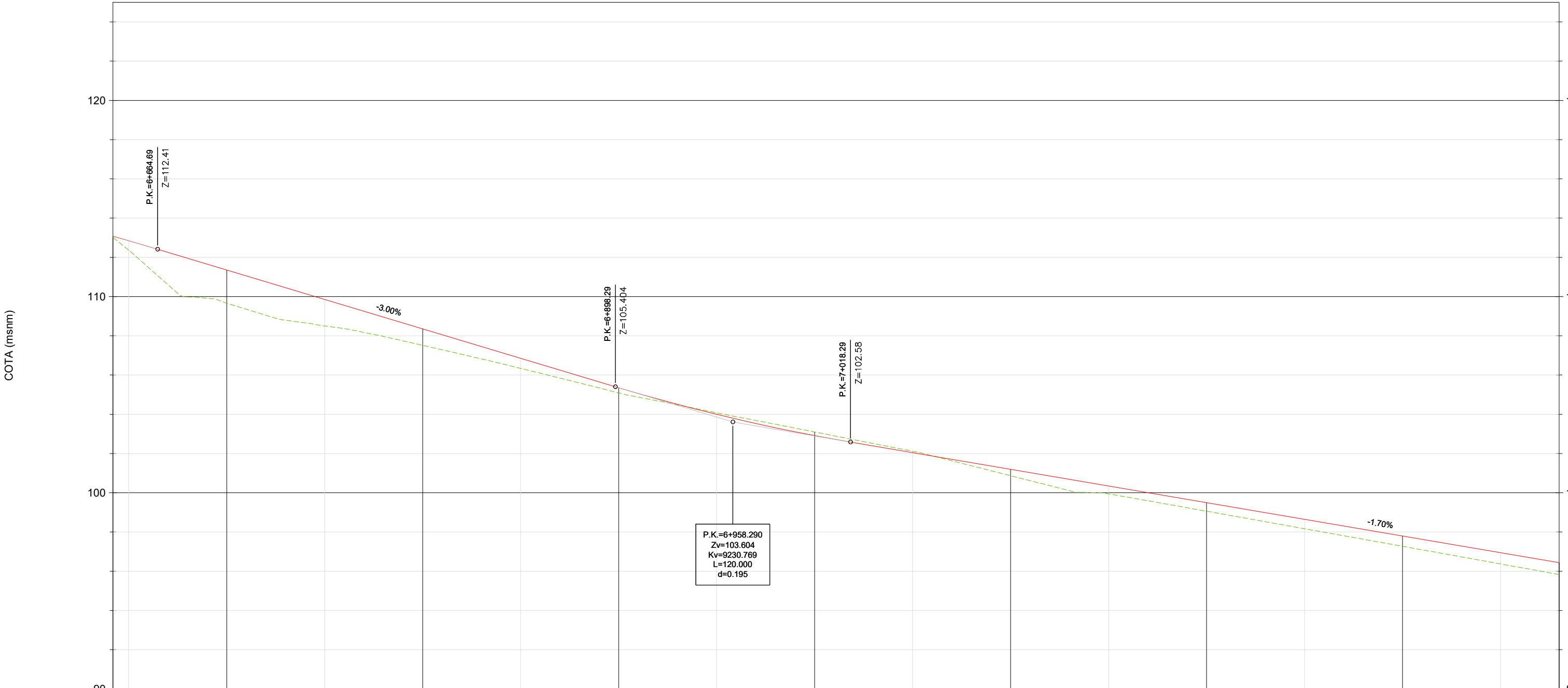


STATION	5+150.00	5+155.96	5+200.00	5+250.00	5+300.00	5+350.00	5+400.00	5+450.00	5+500.00	5+550.00	5+600.00	5+650.00	5+700.00	5+750.00	5+800.00	5+850.00	5+900.00	5+903.96
P.K.																		
RASANTE																		
TERRENO																		
COTA ROJA																		
D. CURVATURA																		
GEOMETRÍA V.																		

Perfil Longitudinal: MB
Escala - V: 100 H:1000



Perfil Longitudinal: MB
Escala - V: 100 H:1000



STATION	6+641.95	6+700.00	6+750.00	6+800.00	6+850.00	6+900.00	6+950.00	7+000.00	7+050.00	7+100.00	7+150.00	7+200.00	7+250.00	7+300.00	7+350.00	7+379.95
P.K.	6+641.95	6+700.00	6+750.00	6+800.00	6+850.00	6+900.00	6+950.00	7+000.00	7+050.00	7+100.00	7+150.00	7+200.00	7+250.00	7+300.00	7+350.00	7+379.95
RASANTE	113.02	112.36	111.35	109.85	108.35	106.85	105.35	104.00	103.10	102.04	101.19	100.34	99.49	98.64	97.79	96.44
TERRENO	113.02	112.36	109.66	108.50	107.52	106.34	105.09	104.08	103.10	102.12	100.87	99.94	99.06	98.17	97.27	96.37
COTA ROJA	0.06	0.49	1.69	1.35	0.84	0.51	0.26	0.08	0.19	0.07	0.33	0.40	0.43	0.48	0.52	0.57
D. CURVATURA	RECTA L=1078.08m.		ESPIRAL1 A=311.80 L=138.89m P=-3.000%				CURVA6 R=700.00m. L=133.93m. Δ=10.9623		ESPIRAL2 A=311.80 L=138.89m		RECTA L=469.74m.					
GEOMETRÍA V.	L=120.00m. R=17142.86m. K=171.429		L=233.600m.				L=120.00m. R=9230.77m. K=92.308		L=120.00m. R=9230.77m. K=92.308		P=-1.700% L=539.318m.					



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ANÁLISIS FUNCIONAL Y PROPUESTA DE MEJORA DEL NUDO ENTRE
LAS AUTOVÍAS A-7 Y A-3 ENTRE LOS PP.KK. 335+000 Y 336+850
(PROVINCIA DE VALENCIA)

PLANO:

ALTERNATIVA 1 -CALZADA 1
Madrid-Barcelona

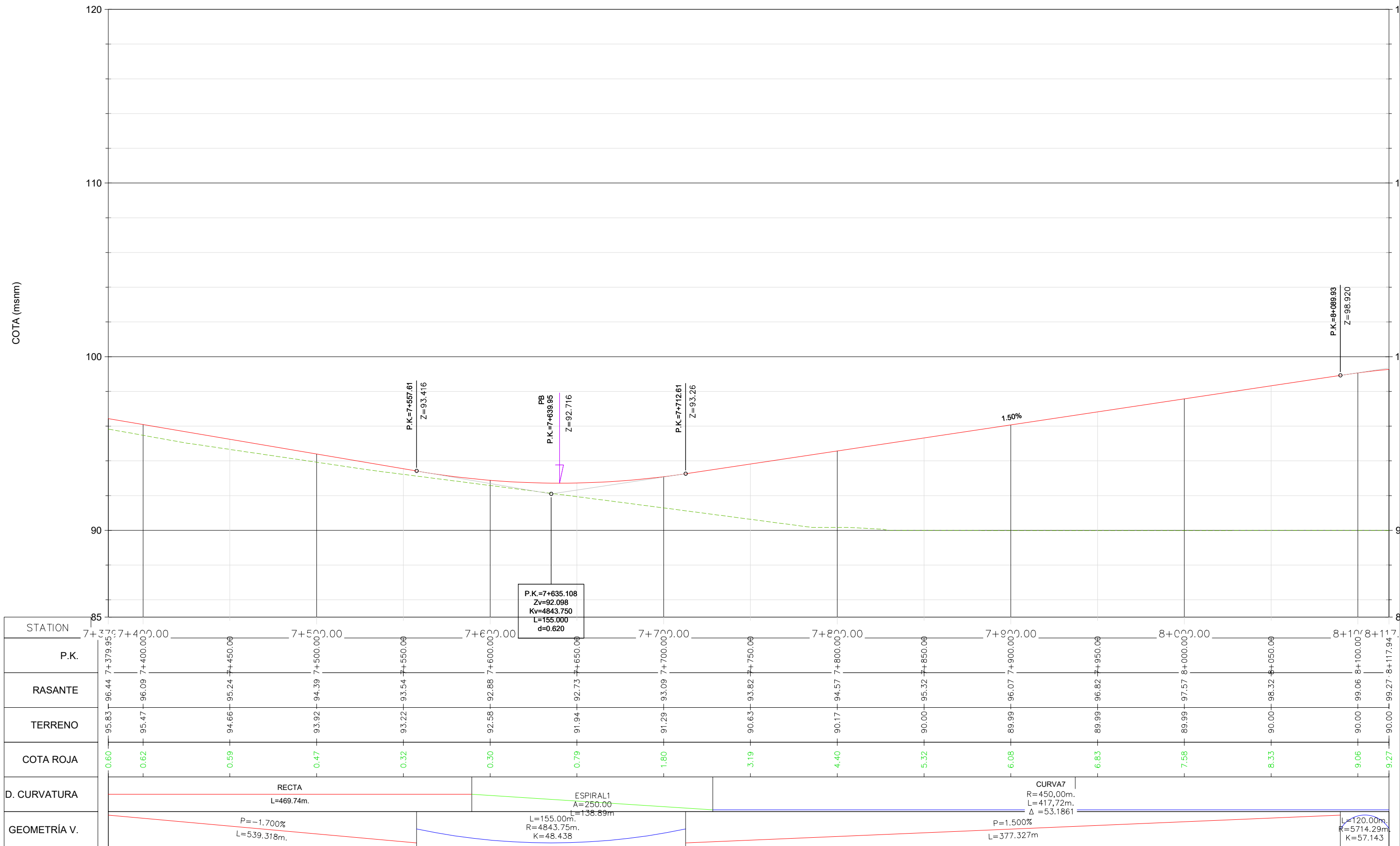
AUTOR:

Luis Gabriel Buitrago Pinzón

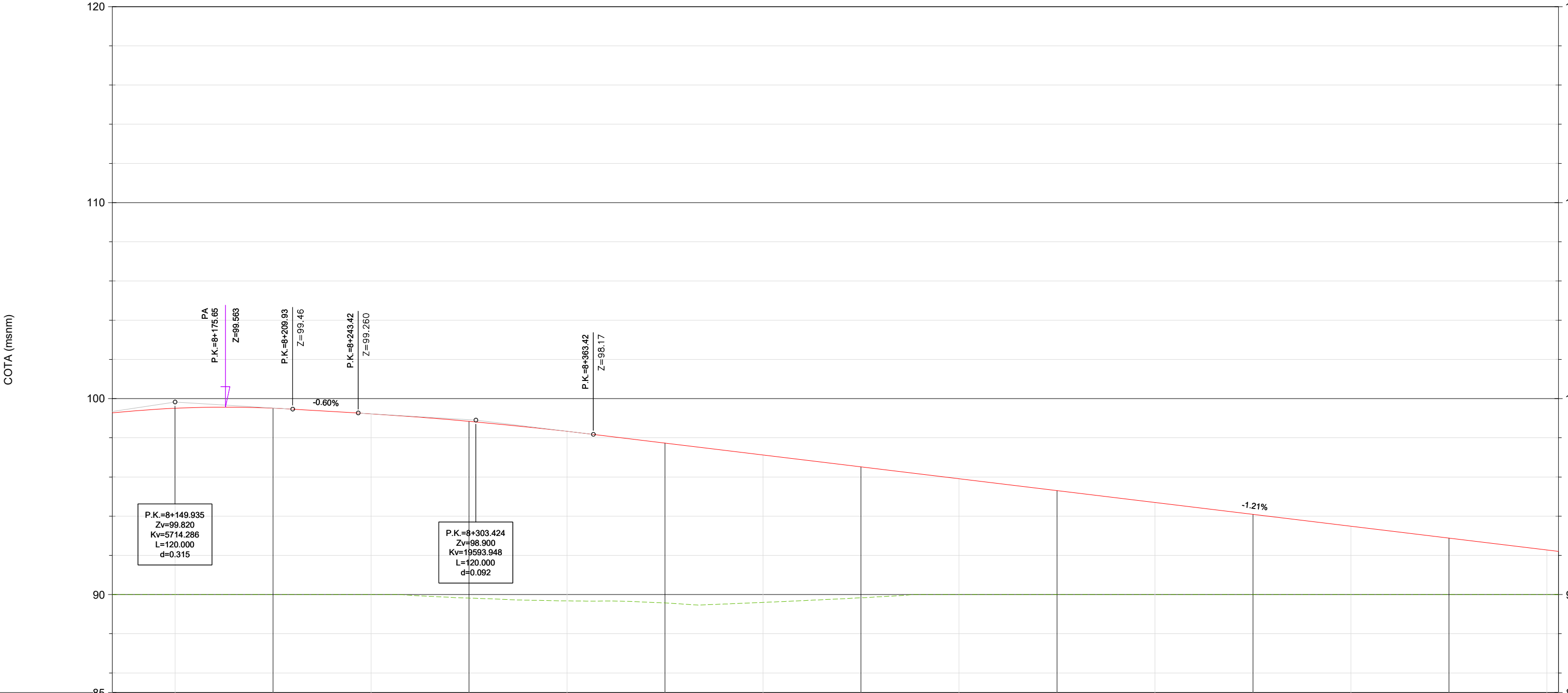
FECHA
FEBRERO 2026
PLANO Nº 2
HOJA 10 DE 13

ESCALA:
1:2000

Perfil Longitudinal: MB
Escala - V: 100 H:1000

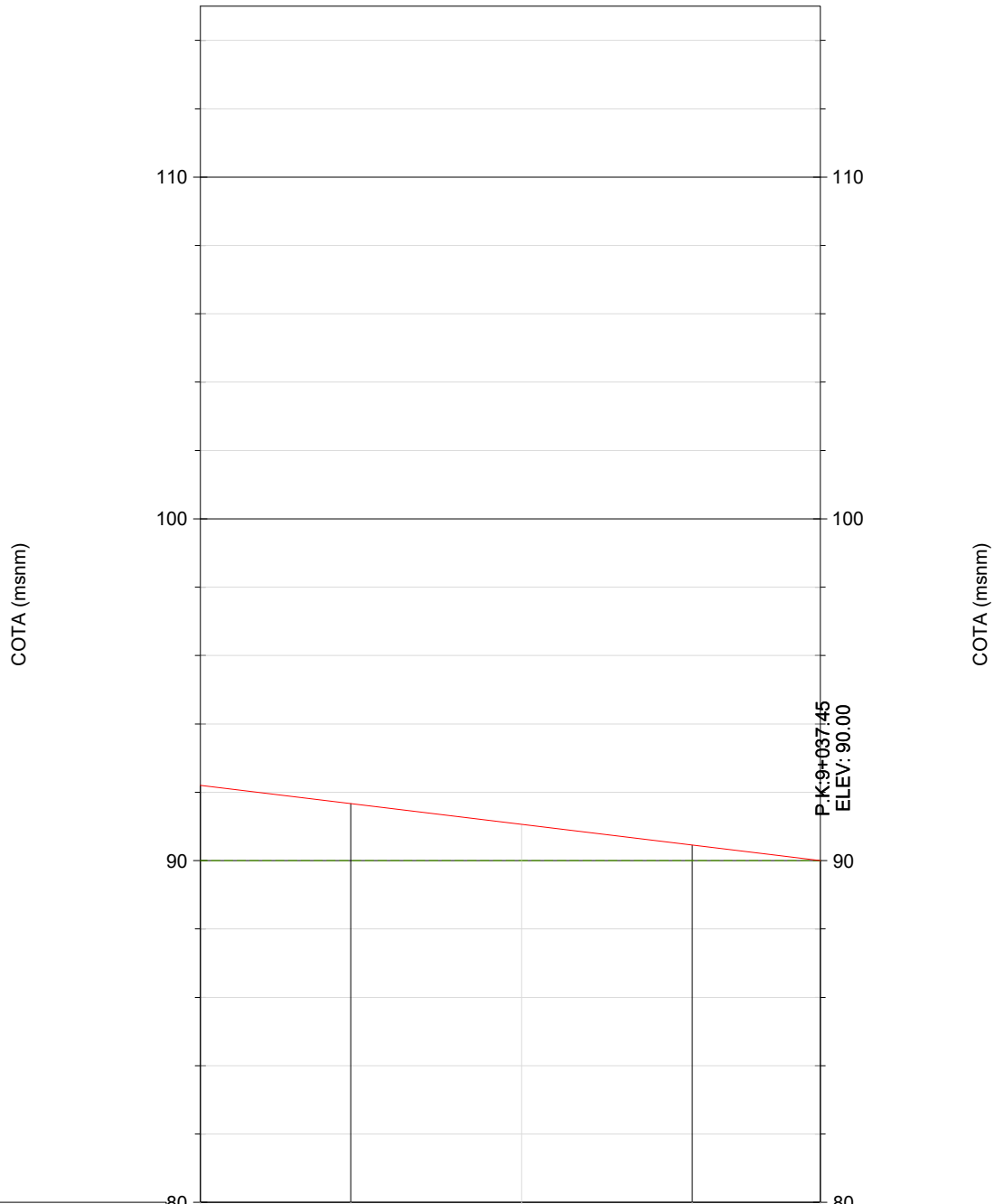


Perfil Longitudinal: MB
Escala - V: 100 H:1000



STATION	8+117.94	8+150.00	8+200.00	8+250.00	8+300.00	8+350.00	8+400.00	8+450.00	8+500.00	8+550.00	8+600.00	8+650.00	8+700.00	8+750.00	8+800.00	8+855.94
P.K.	8+117.94	8+150.00	8+200.00	8+250.00	8+300.00	8+350.00	8+400.00	8+450.00	8+500.00	8+550.00	8+600.00	8+650.00	8+700.00	8+750.00	8+800.00	8+855.94
RASANTE	99.27	99.51	99.51	99.22	98.84	98.33	97.73	97.12	96.52	95.91	95.30	94.70	94.09	93.49	92.88	92.27
TERRENO	90.00	90.00	90.00	90.00	89.82	89.68	89.57	89.60	89.84	90.00	90.00	90.00	90.00	90.00	90.00	90.00
COTA ROJA	9.27	9.51	9.51	9.22	9.02	8.65	8.16	7.52	6.68	5.91	5.30	4.70	4.09	3.49	2.88	2.27
D. CURVATURA	CURVA7 R=450.00m. L=417.72m. Δ=53.1861		ESPIRAL2 A=250.00 L=138.89m		RECTA L=109.26m.		ESPIRAL1 A=250.00 L=138.89m		CURVA8 R=450.00m. L=22.07m. Δ=2.8104		ESPIRAL2 A=250.00 L=138.89m		RECTA L=343.45m.			
GEOMETRÍA V.	L=120.00m. R=5714.29m. K=57.143		L=120.00m. R=19593.95m. K=195.939						P=-1.212% L=674.024m.							

Perfil Longitudinal: MB
Escala - V: 100 H:1000



STATION	8+855.94	8+900.00	8+950.00	9+000.00	9+037.45
P.K.	8+855.94	8+900.00	8+950.00	9+000.00	9+037.45
RASANTE	92.20	91.67	91.06	90.45	90.00
TERRENO	90.00	90.00	90.00	90.00	90.00
COTA ROJA	2.20	1.67	1.06	0.45	0.00
D. CURVATURA	RECTA L=343.45m.				
GEOMETRÍA V.	P=-1.212% L=674.024m.				