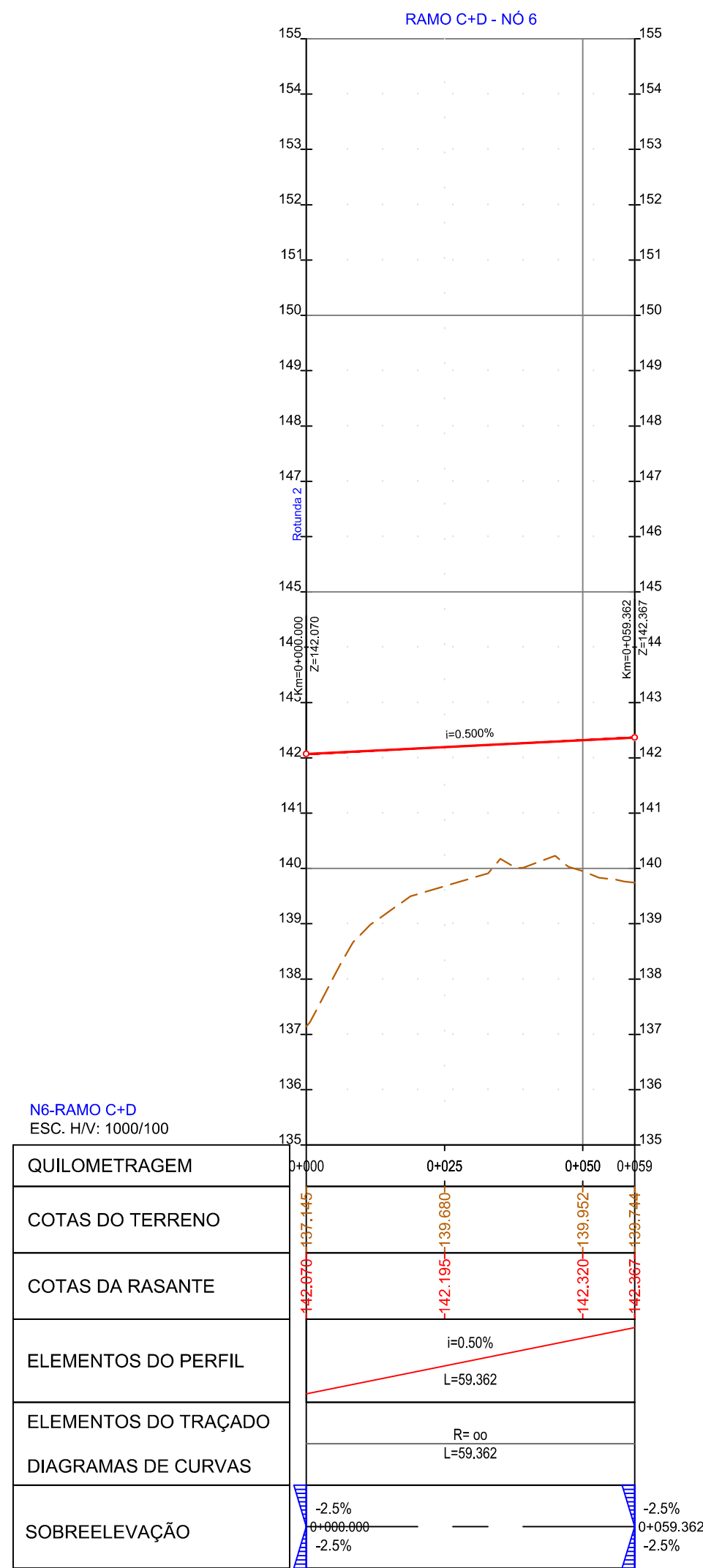
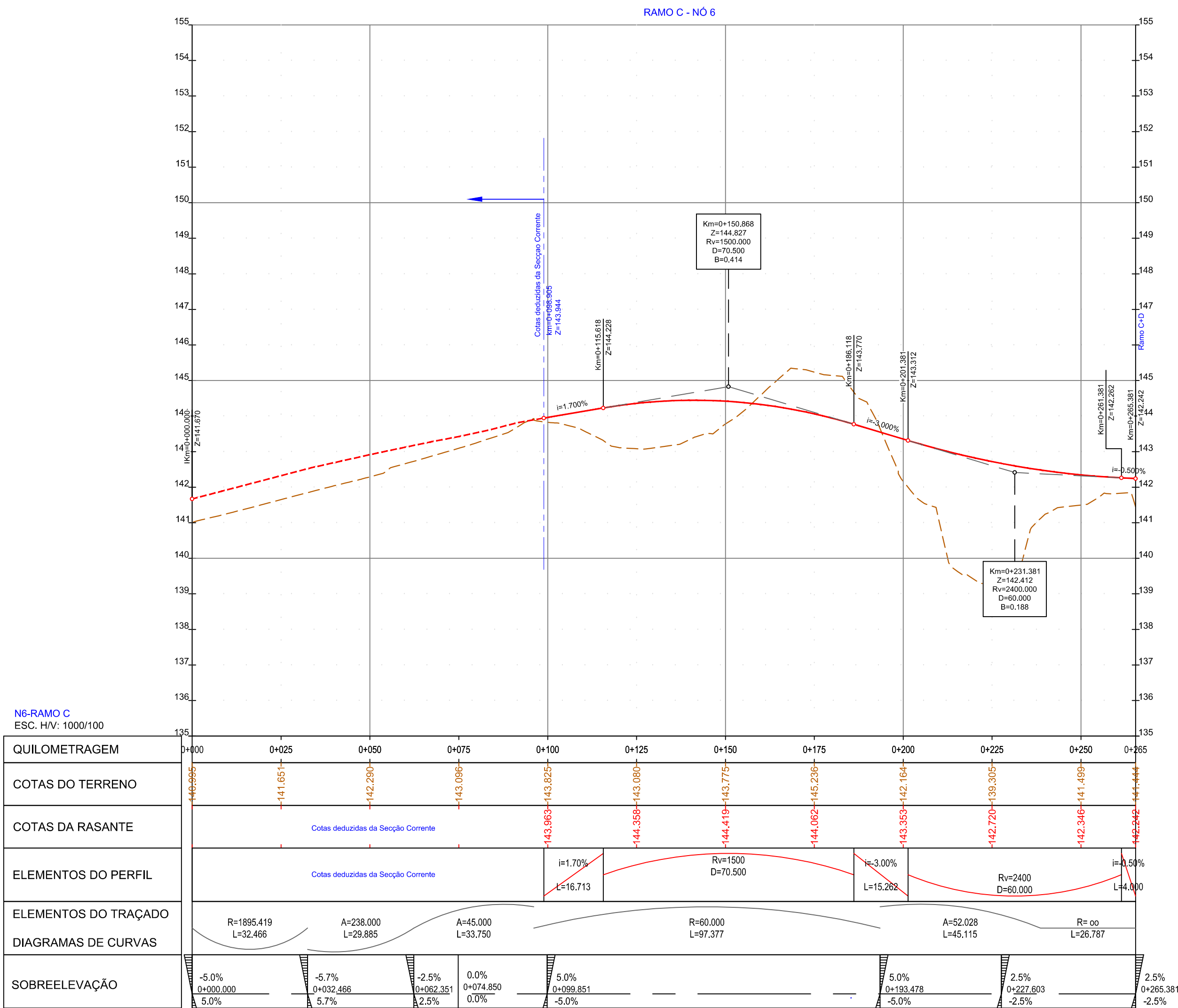
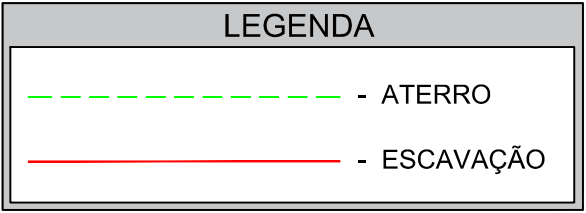
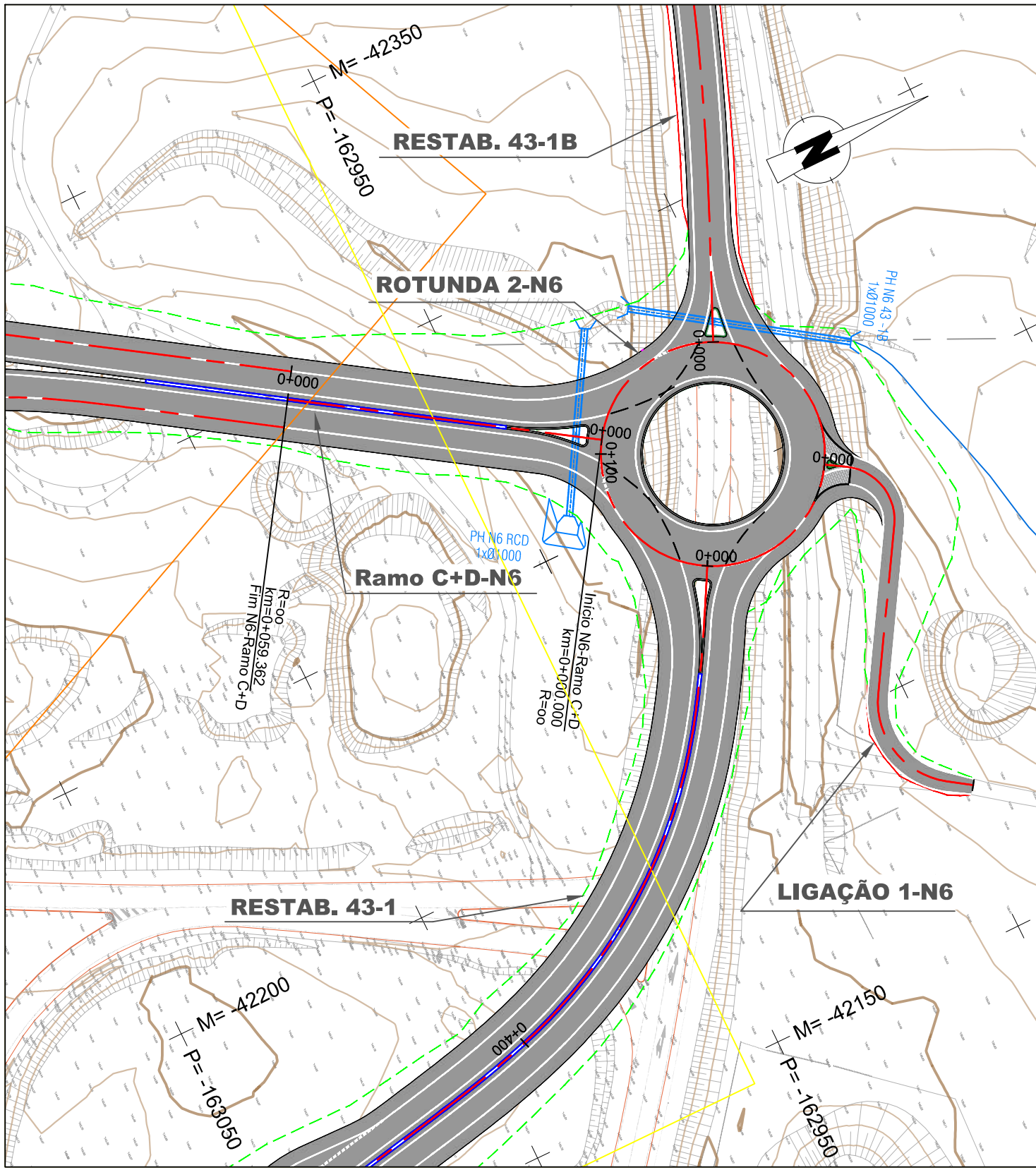
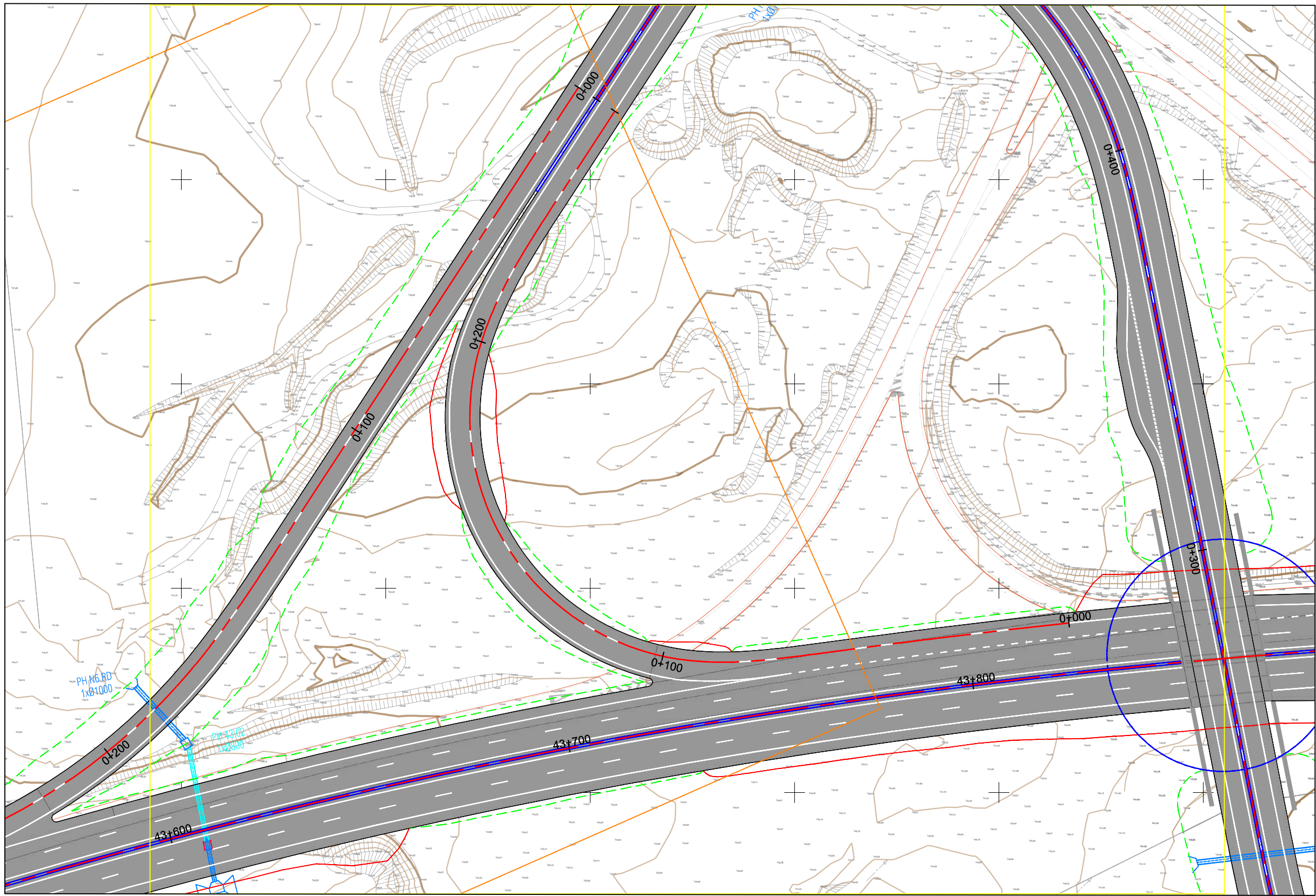
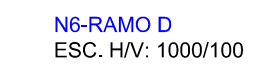
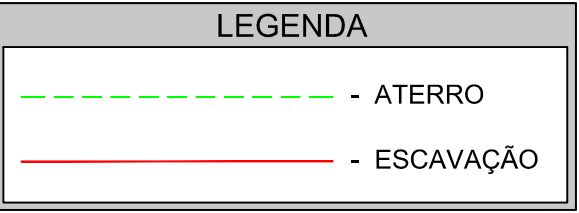
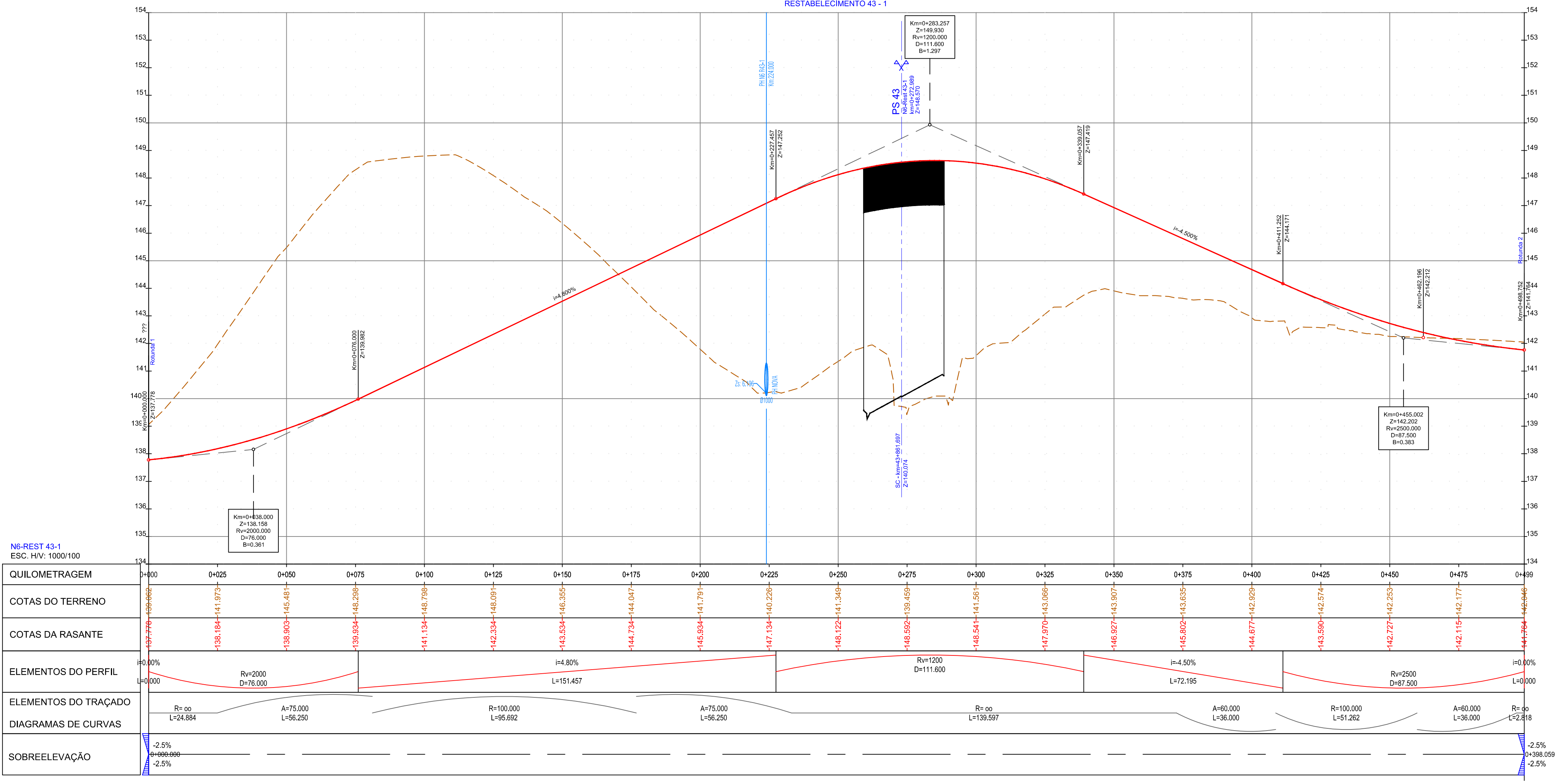
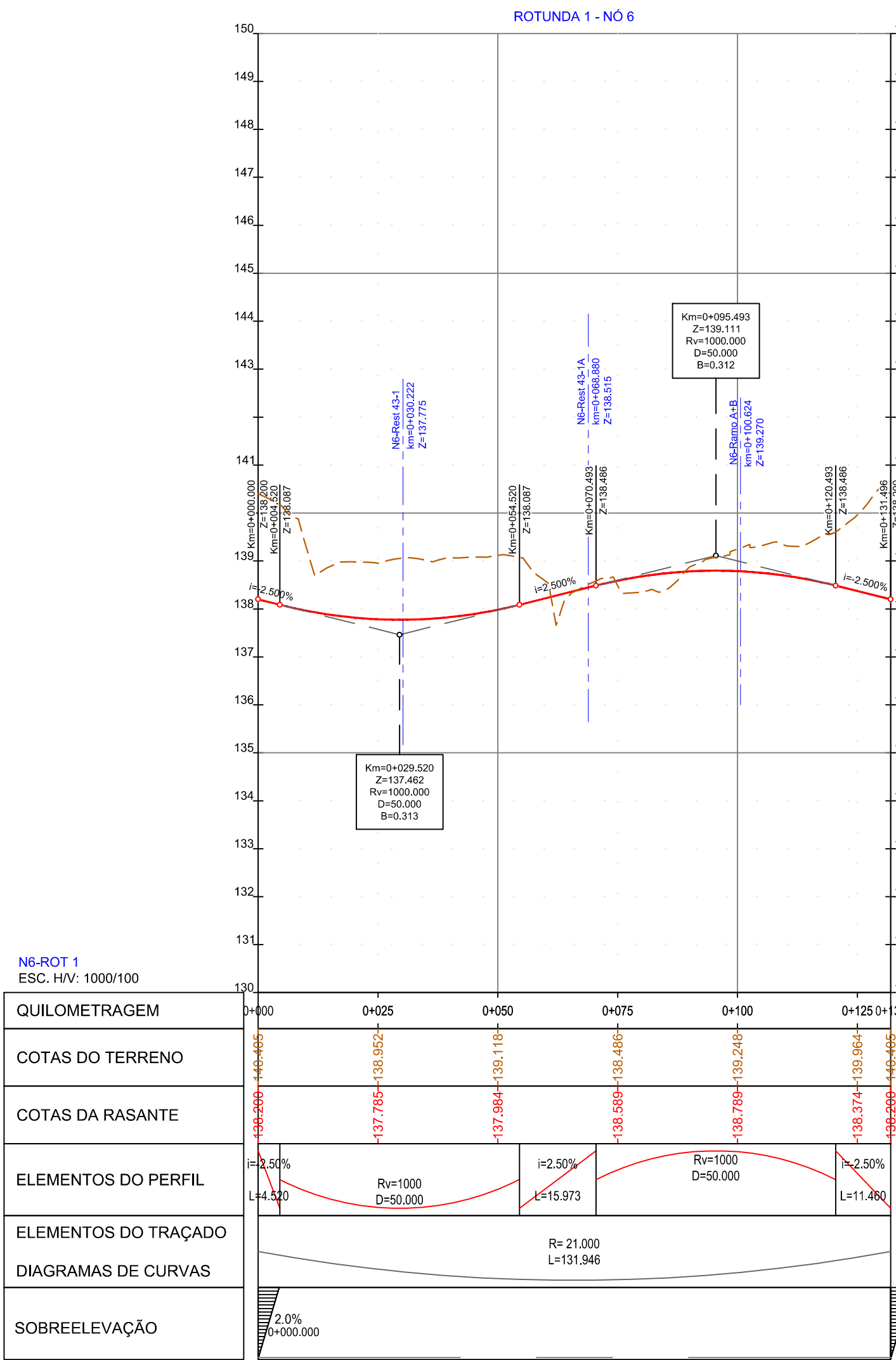
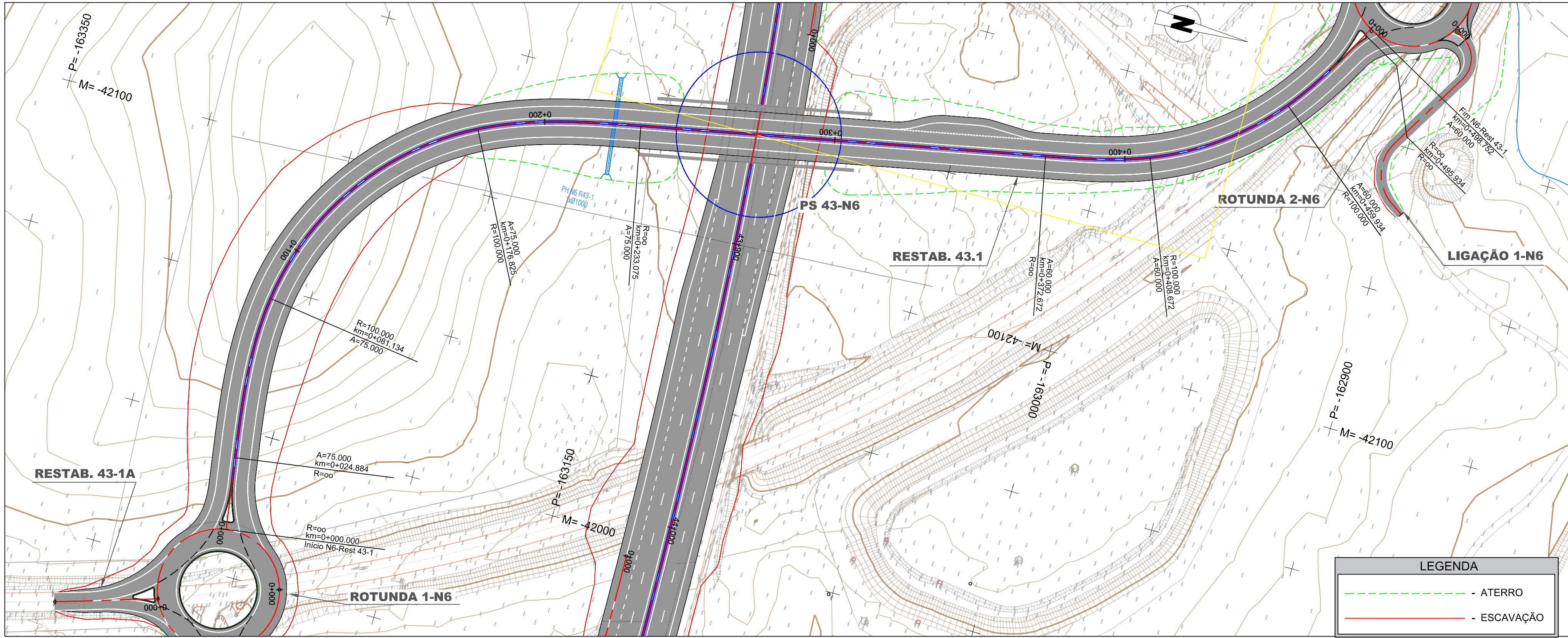
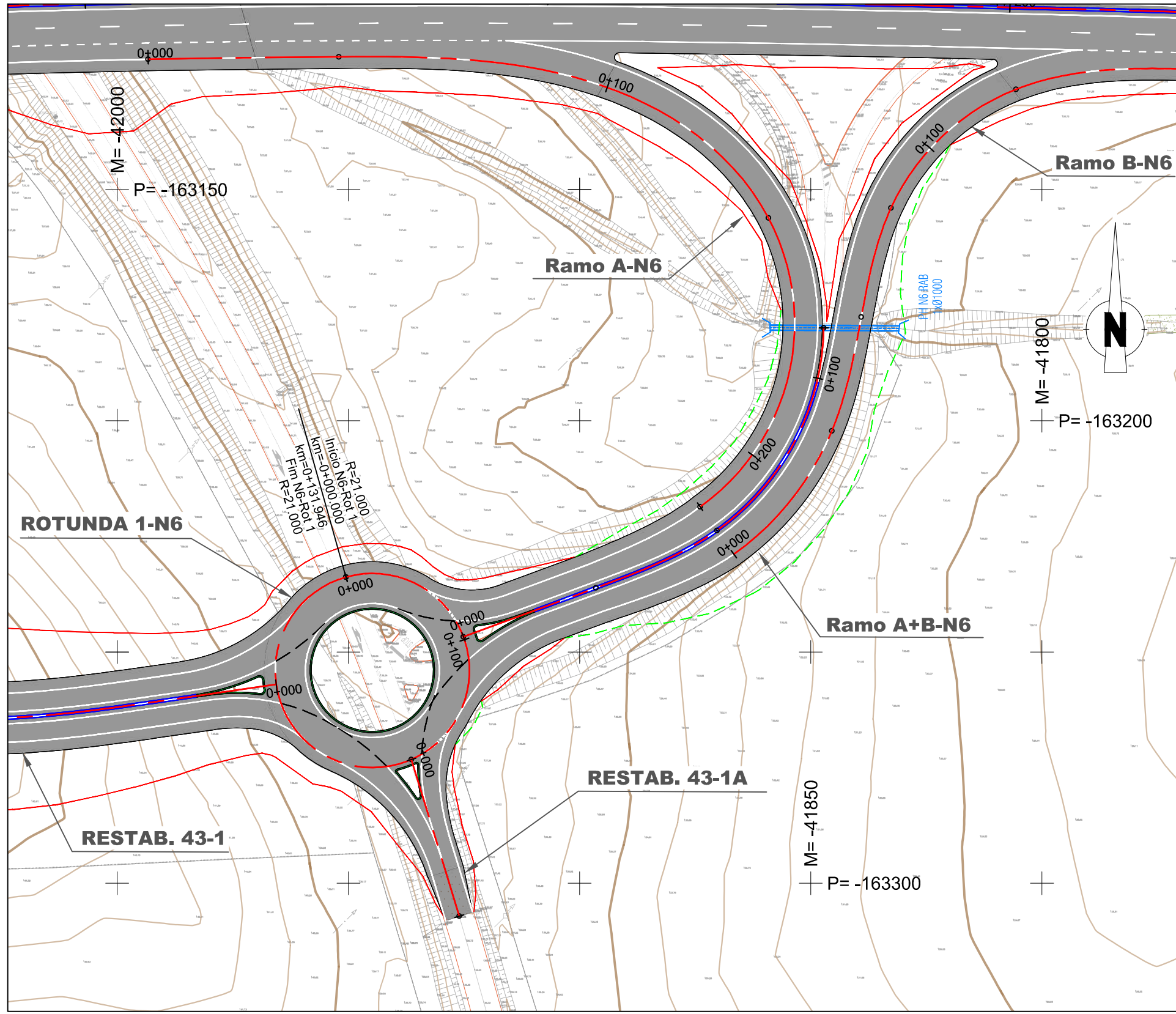
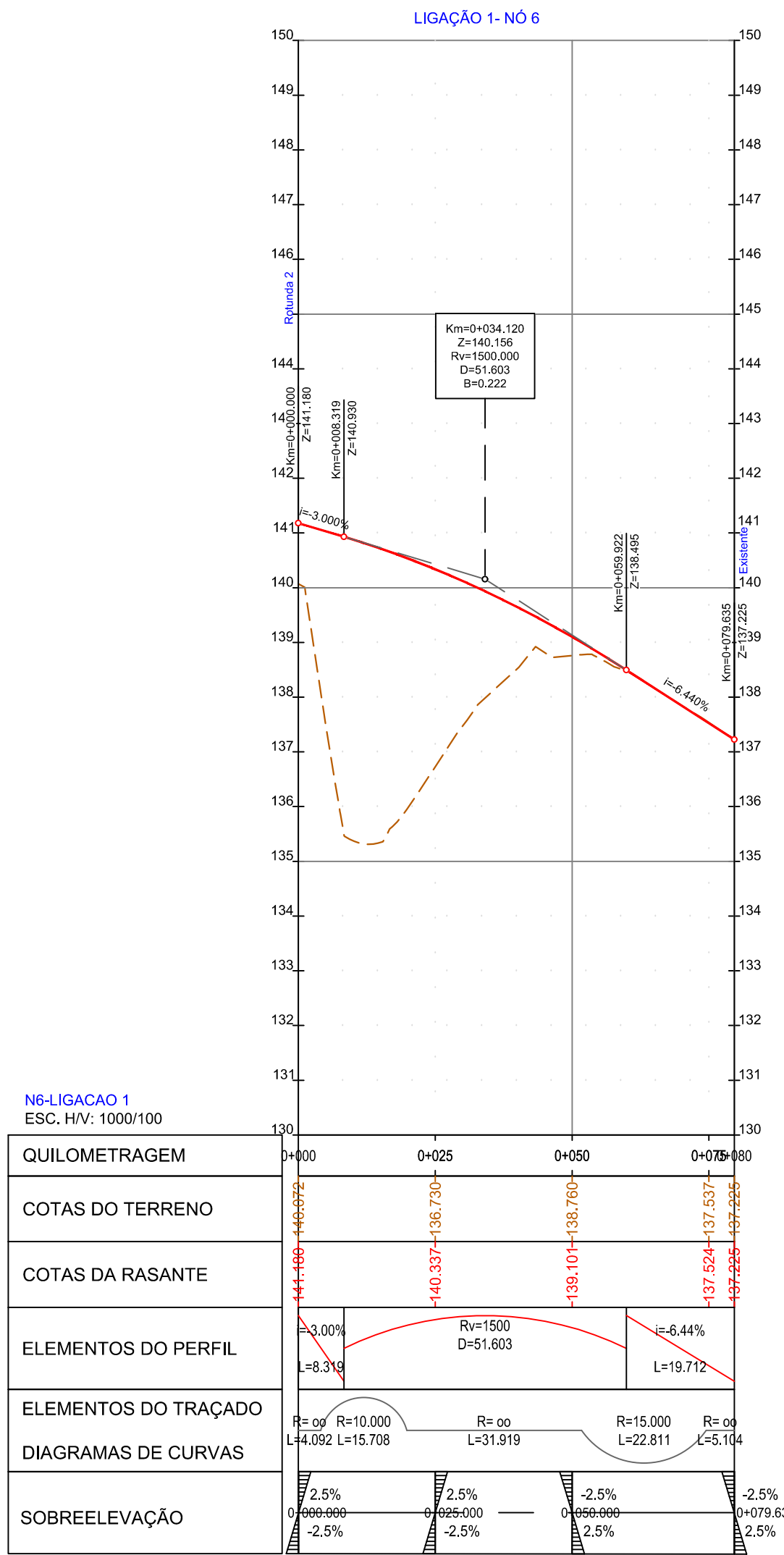
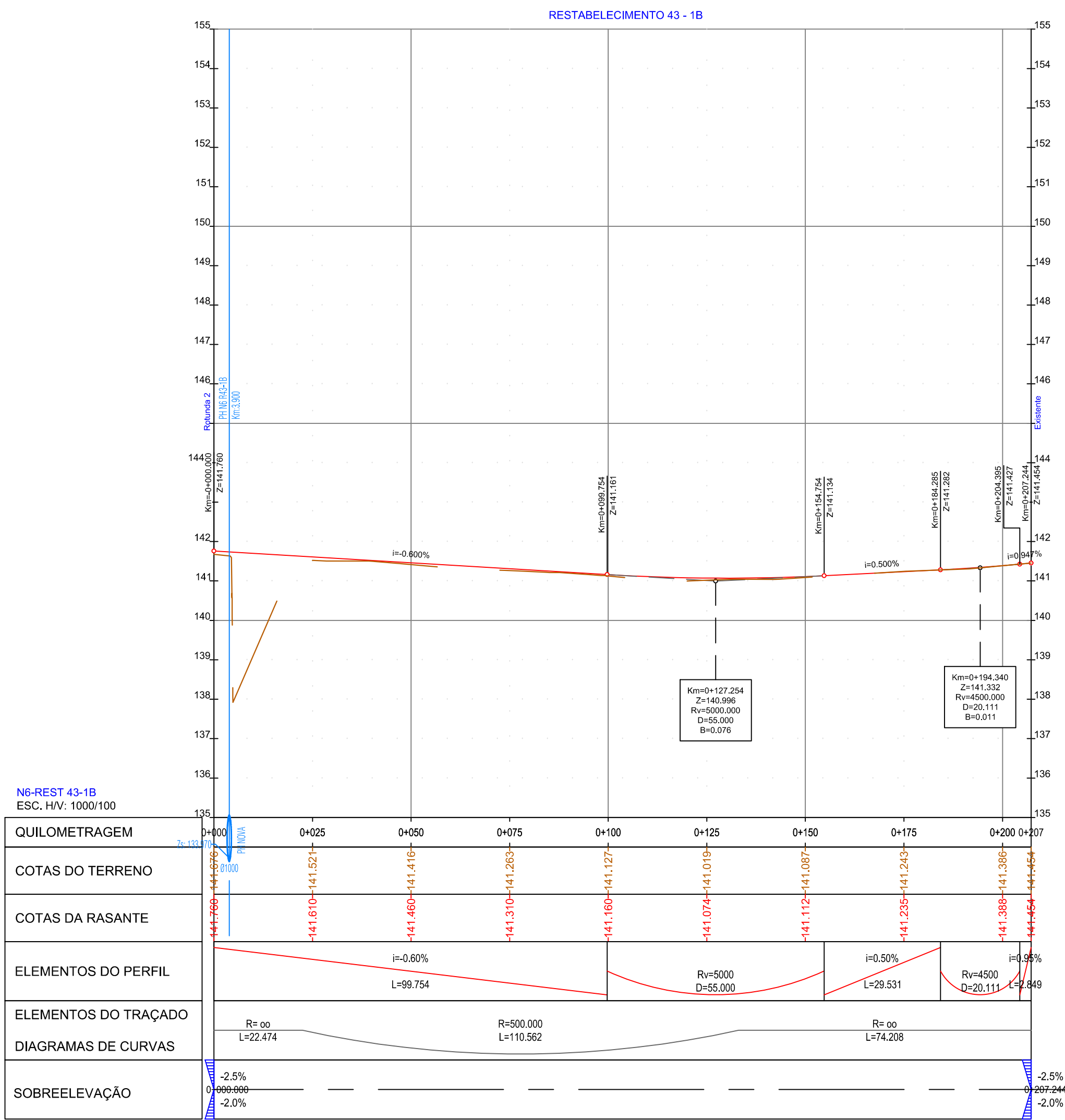
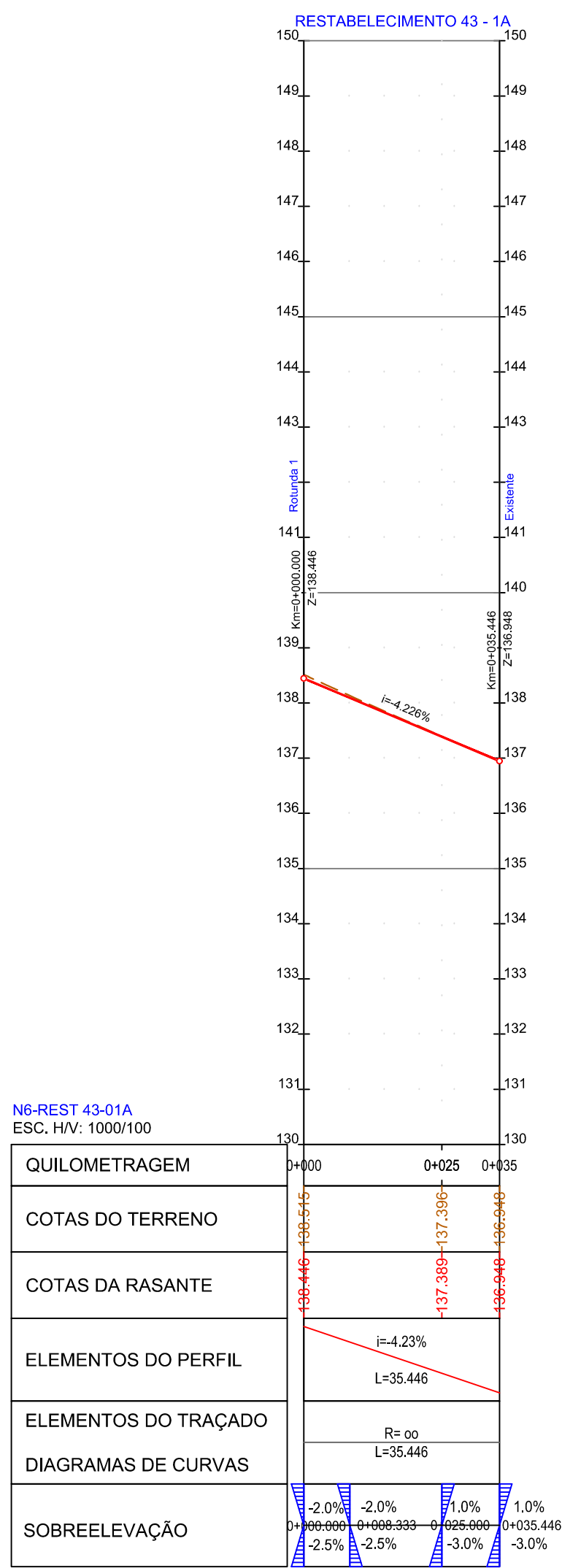
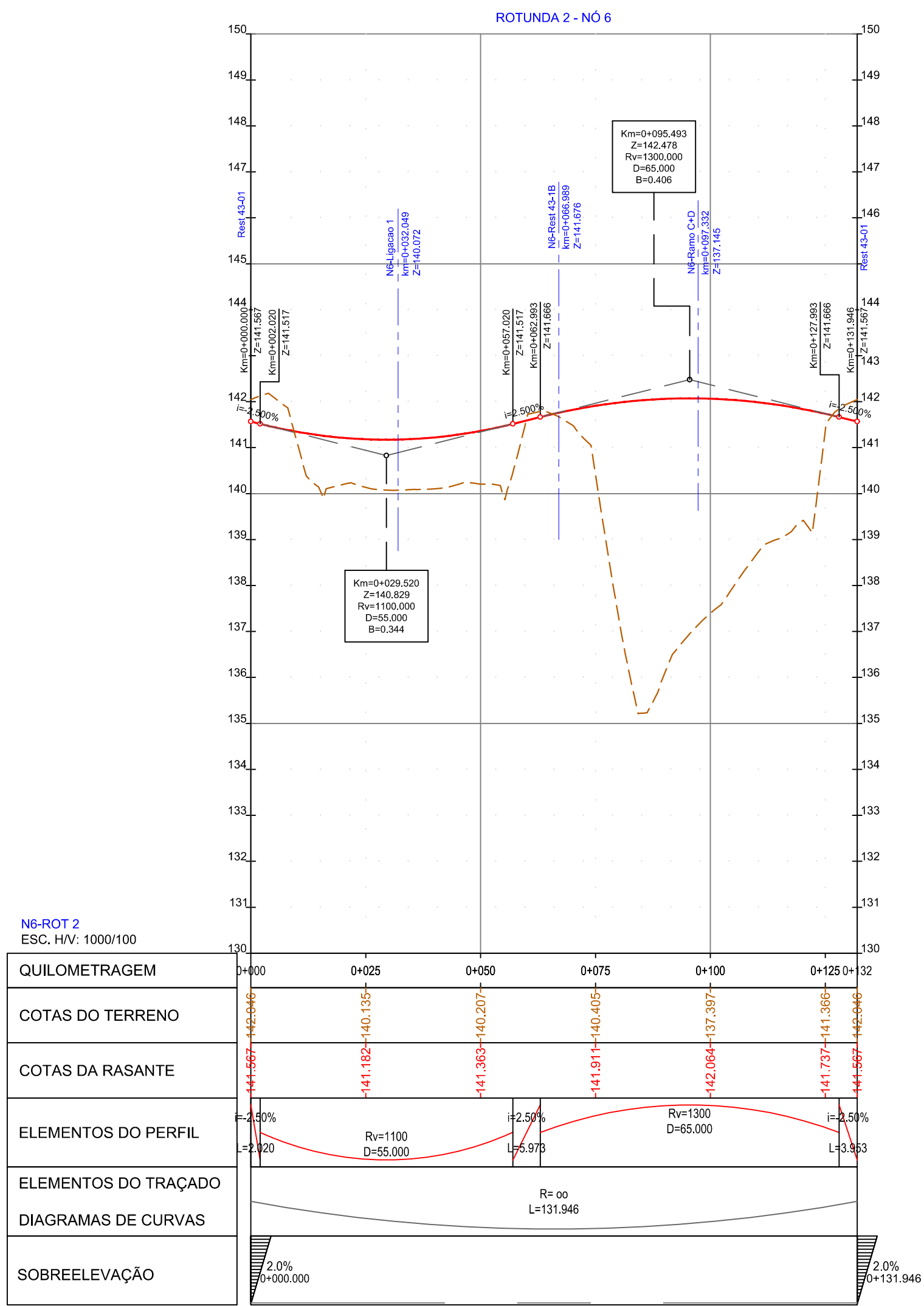
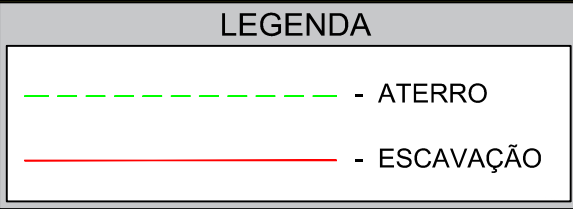
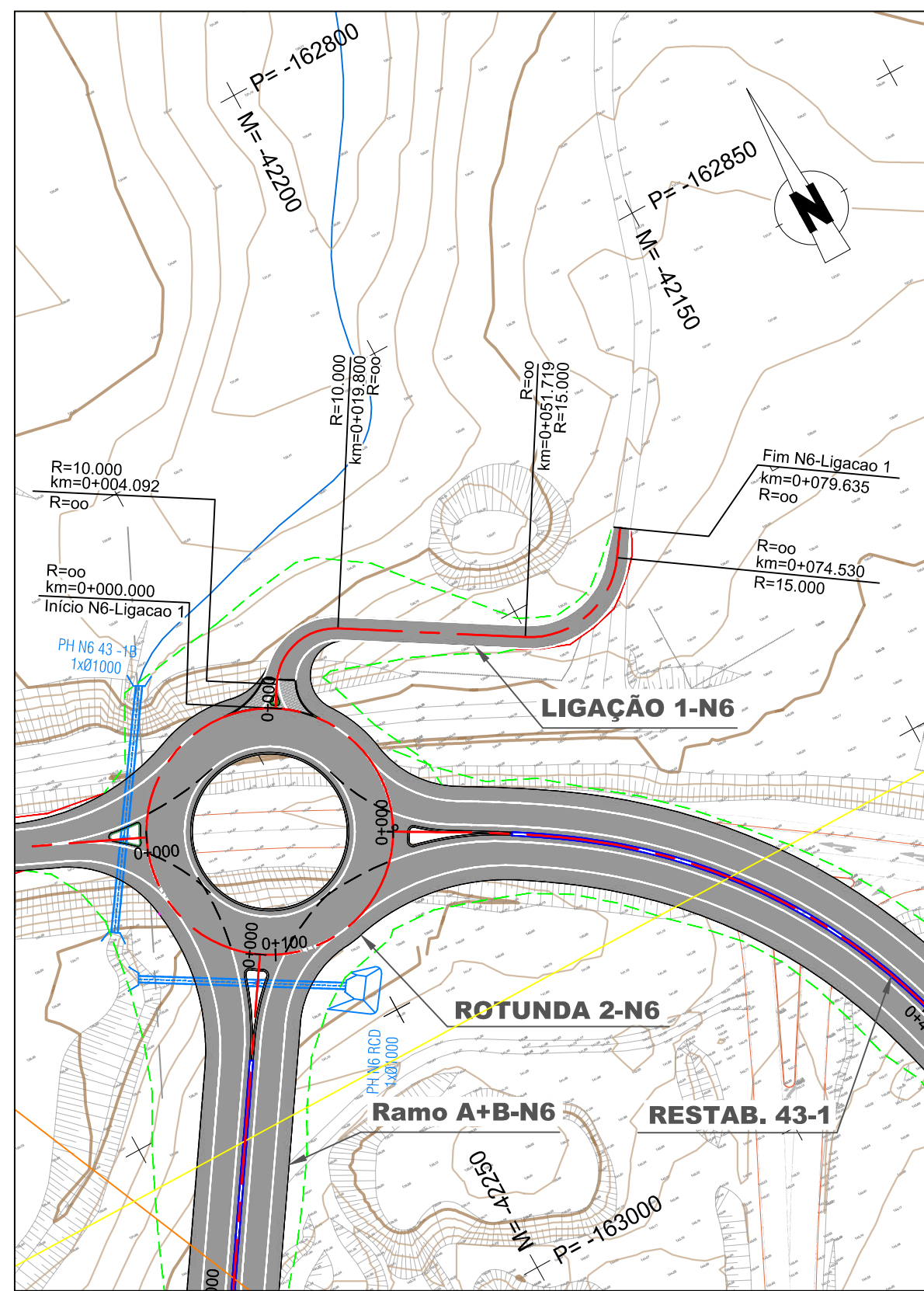
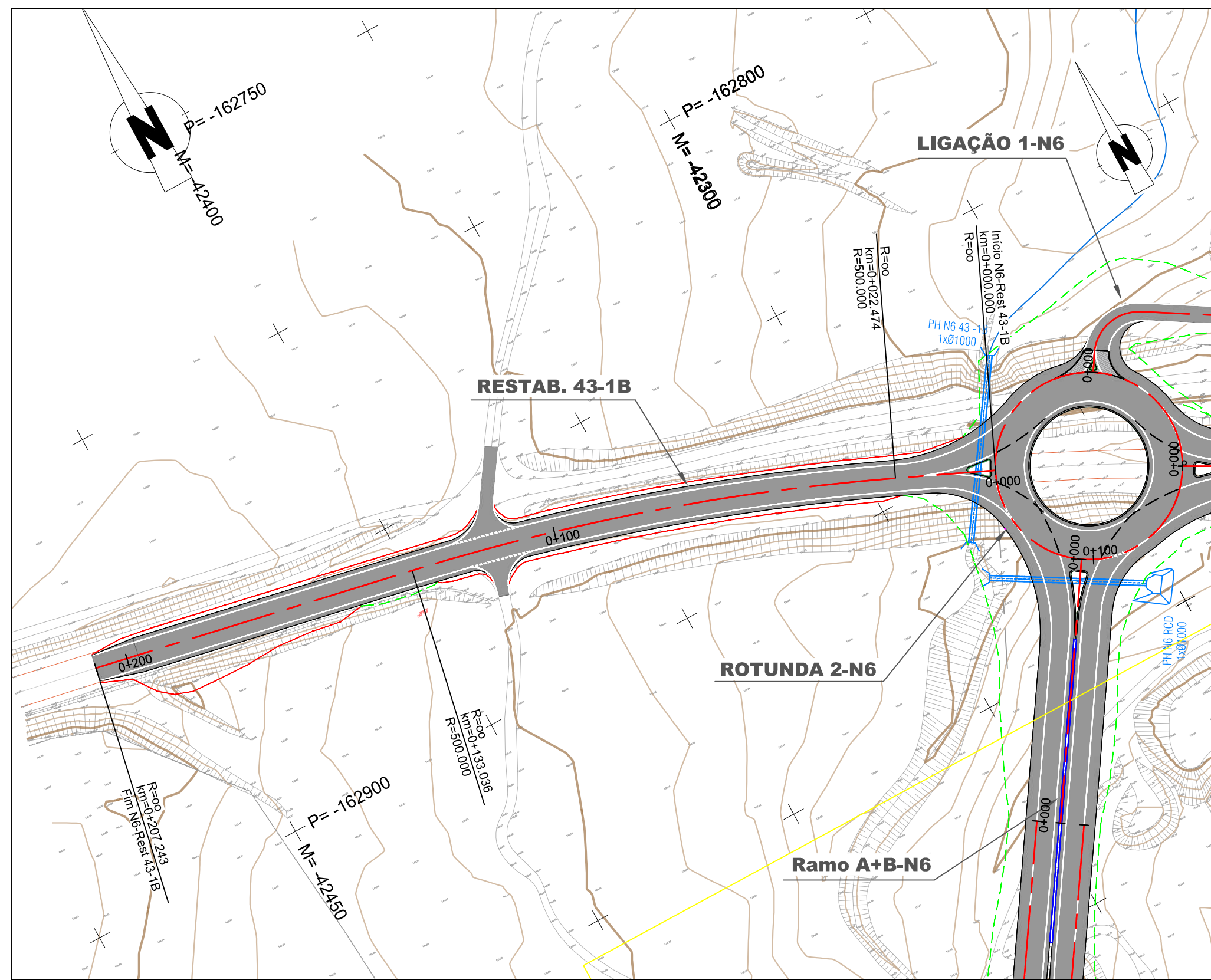
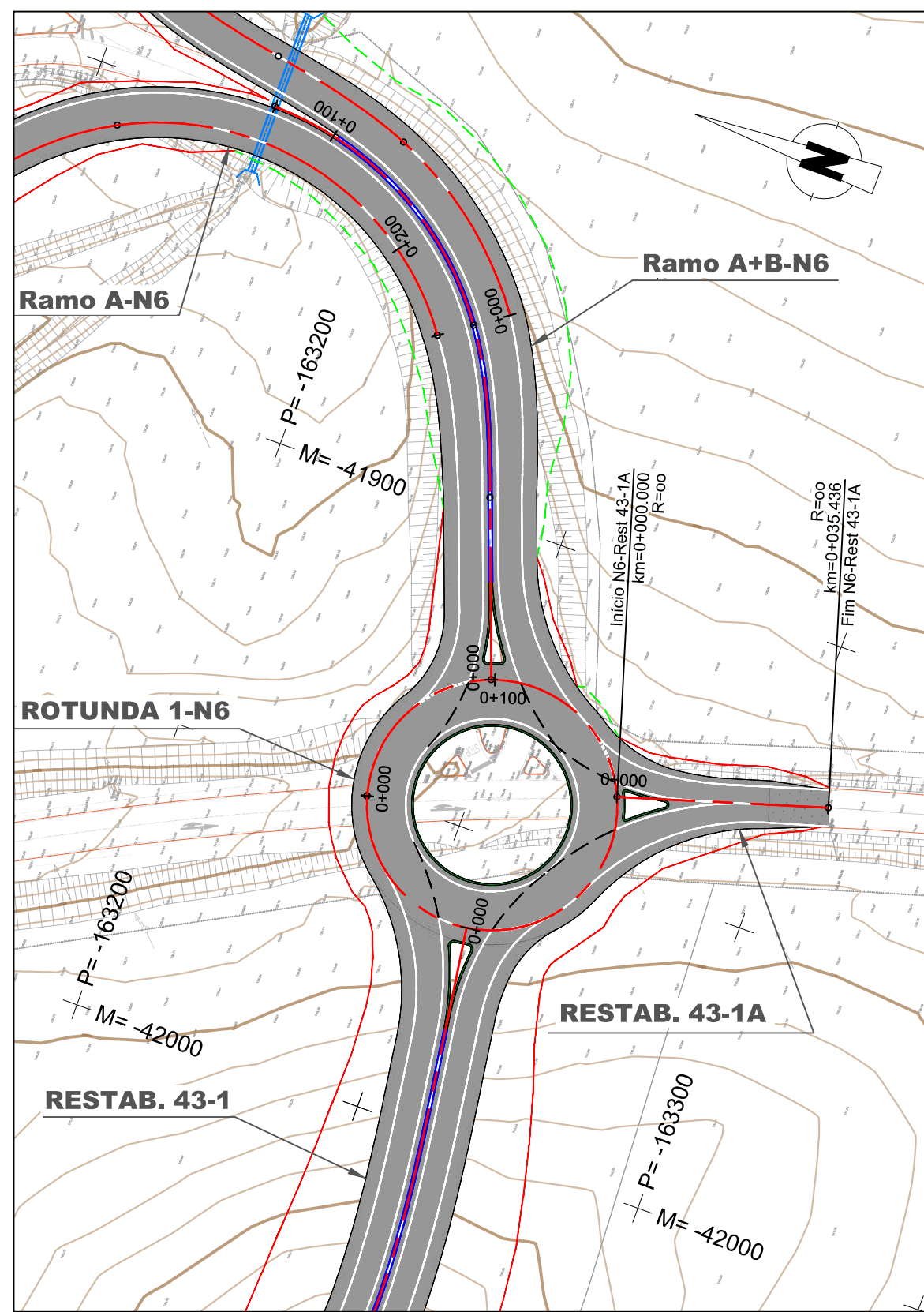
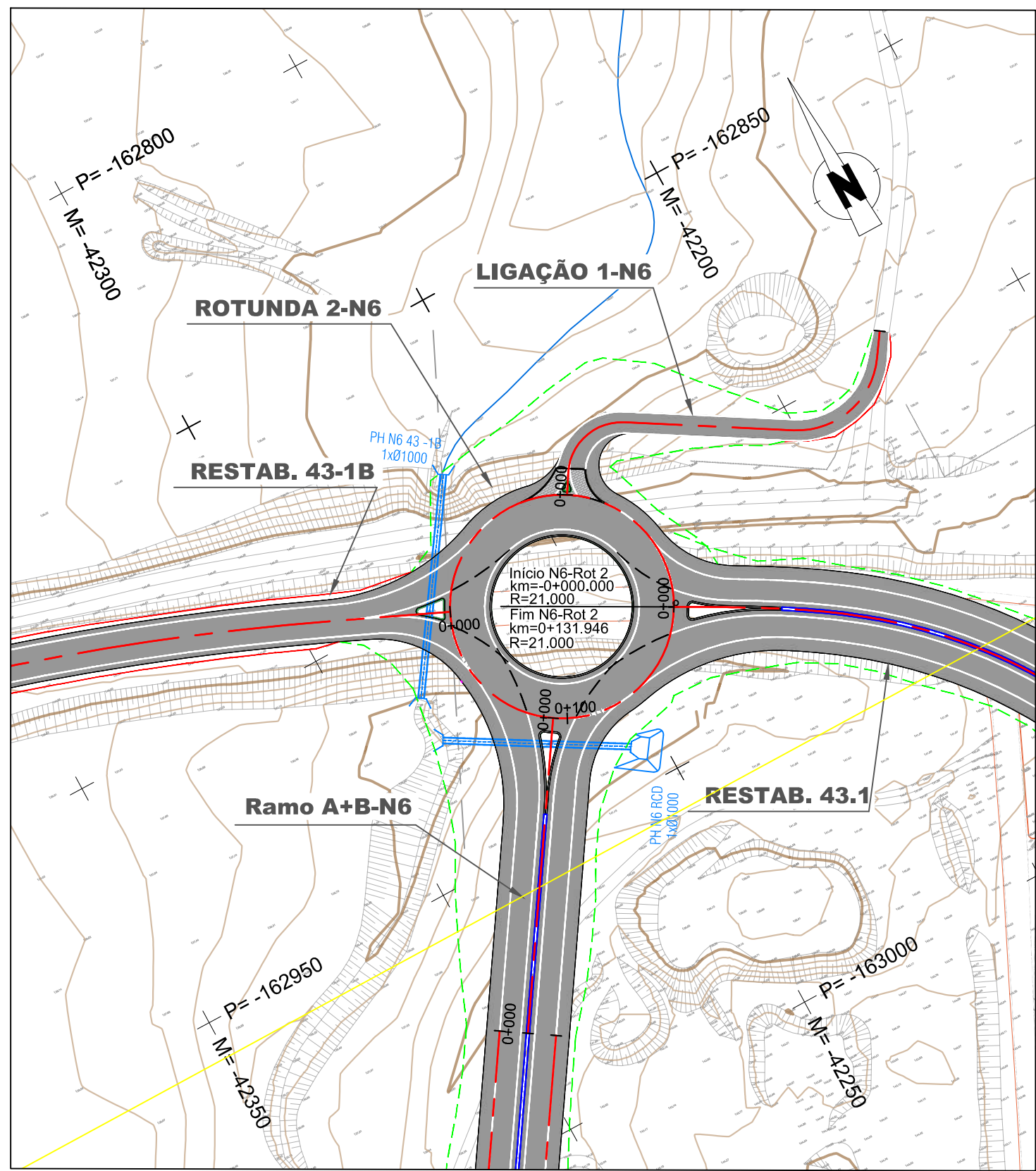




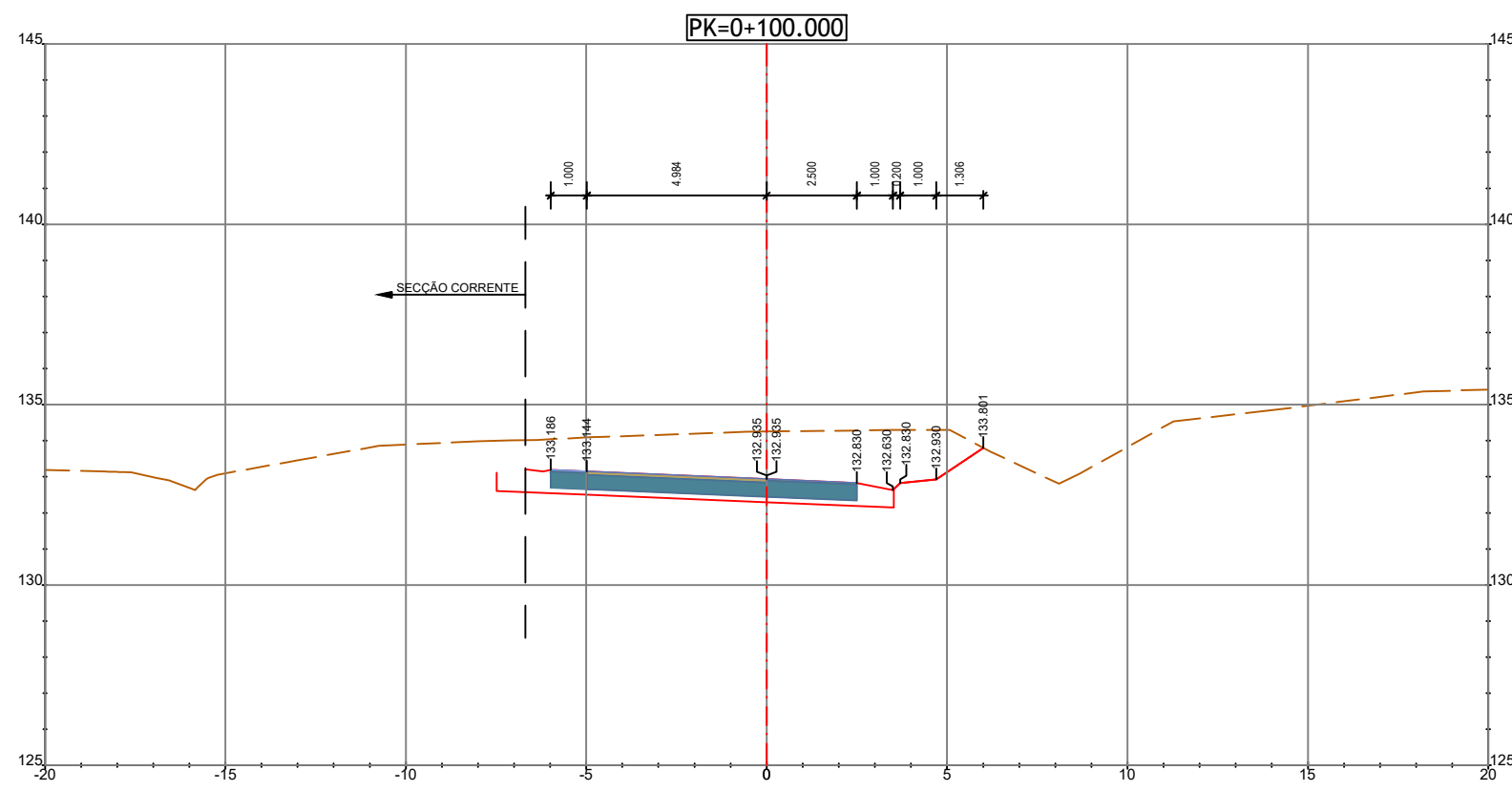
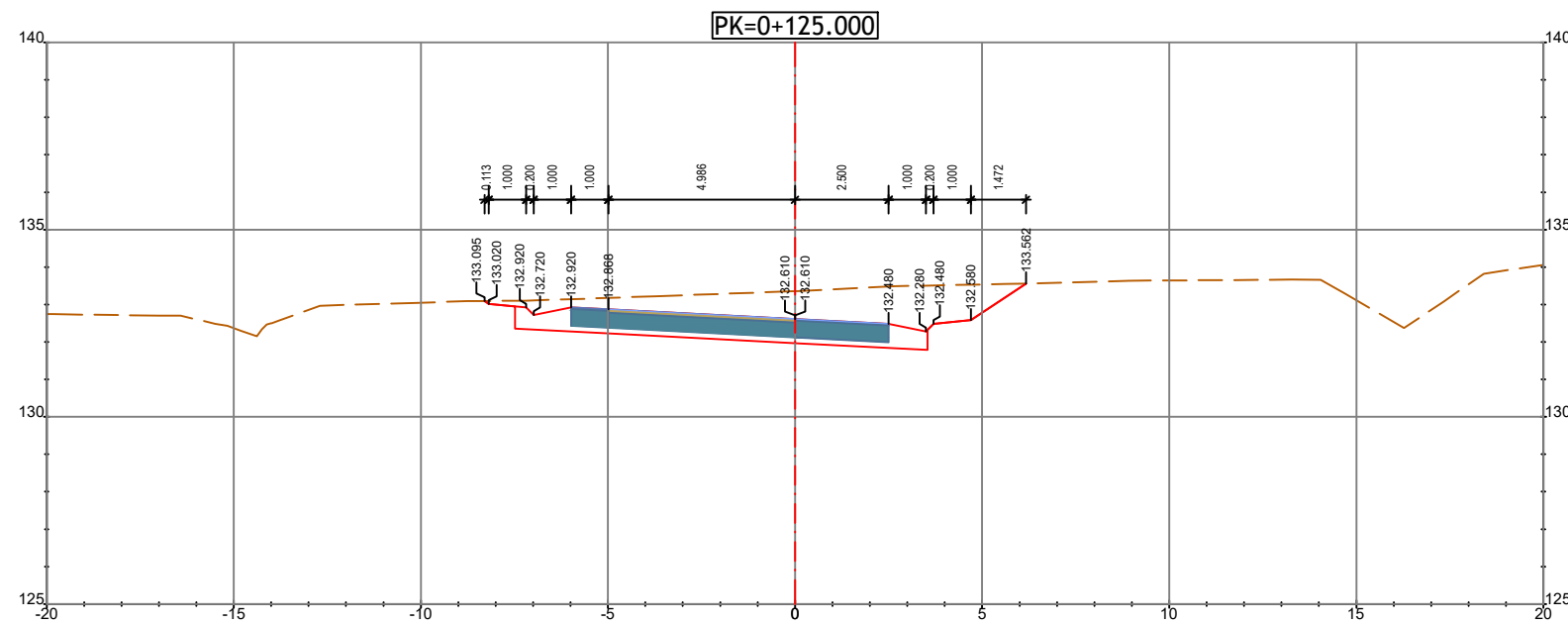
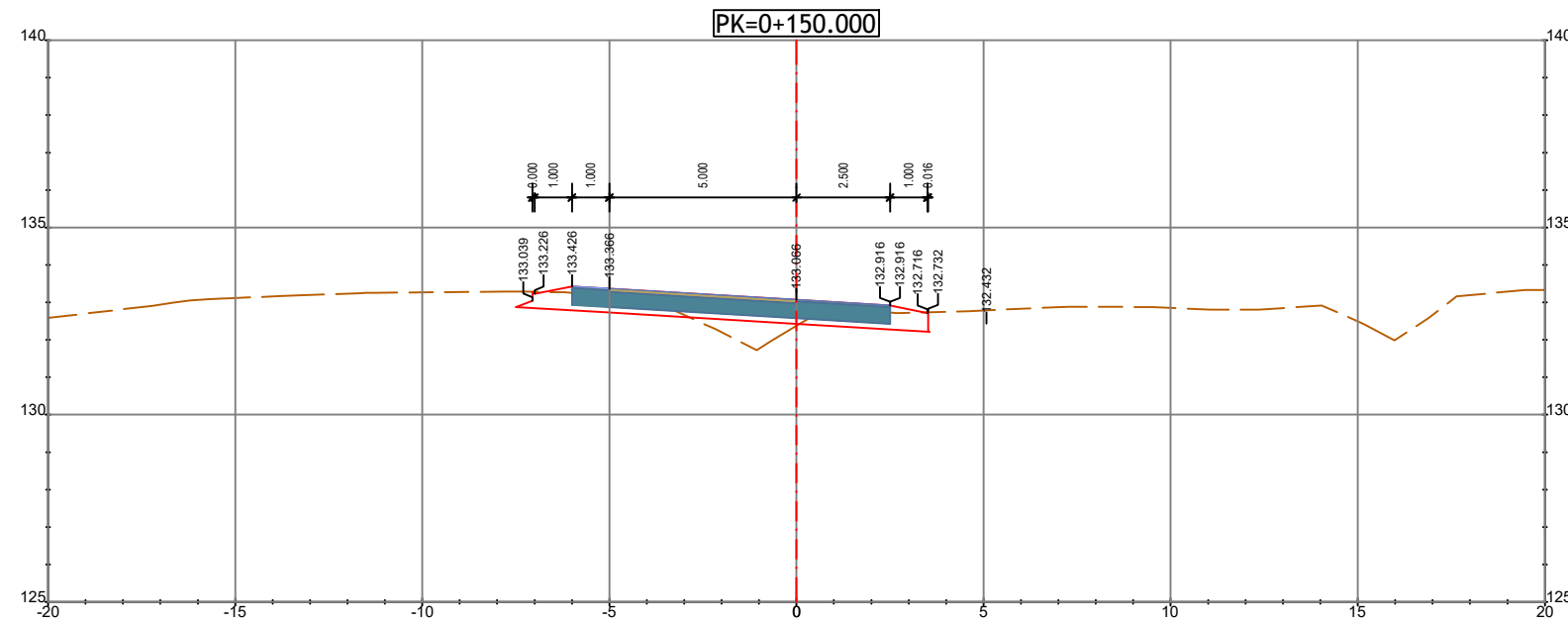






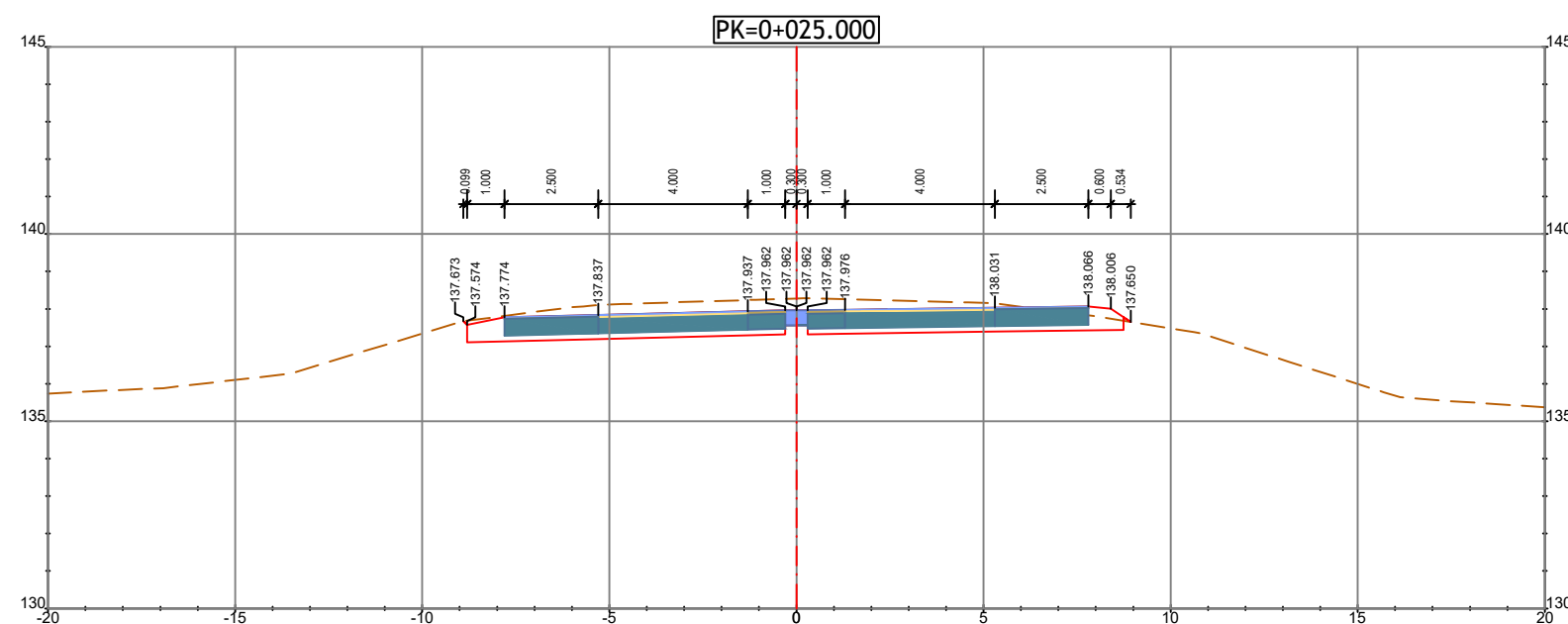
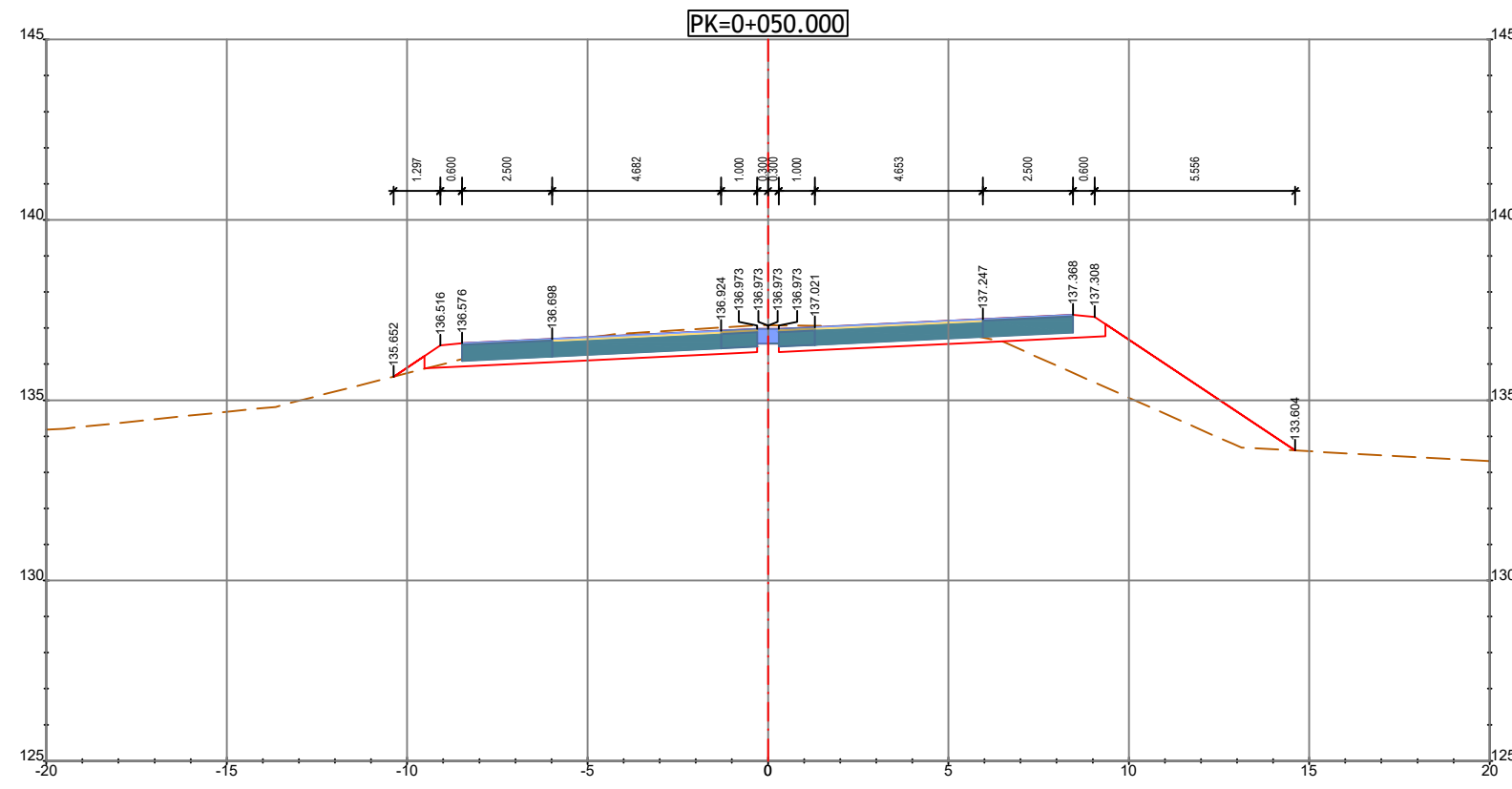
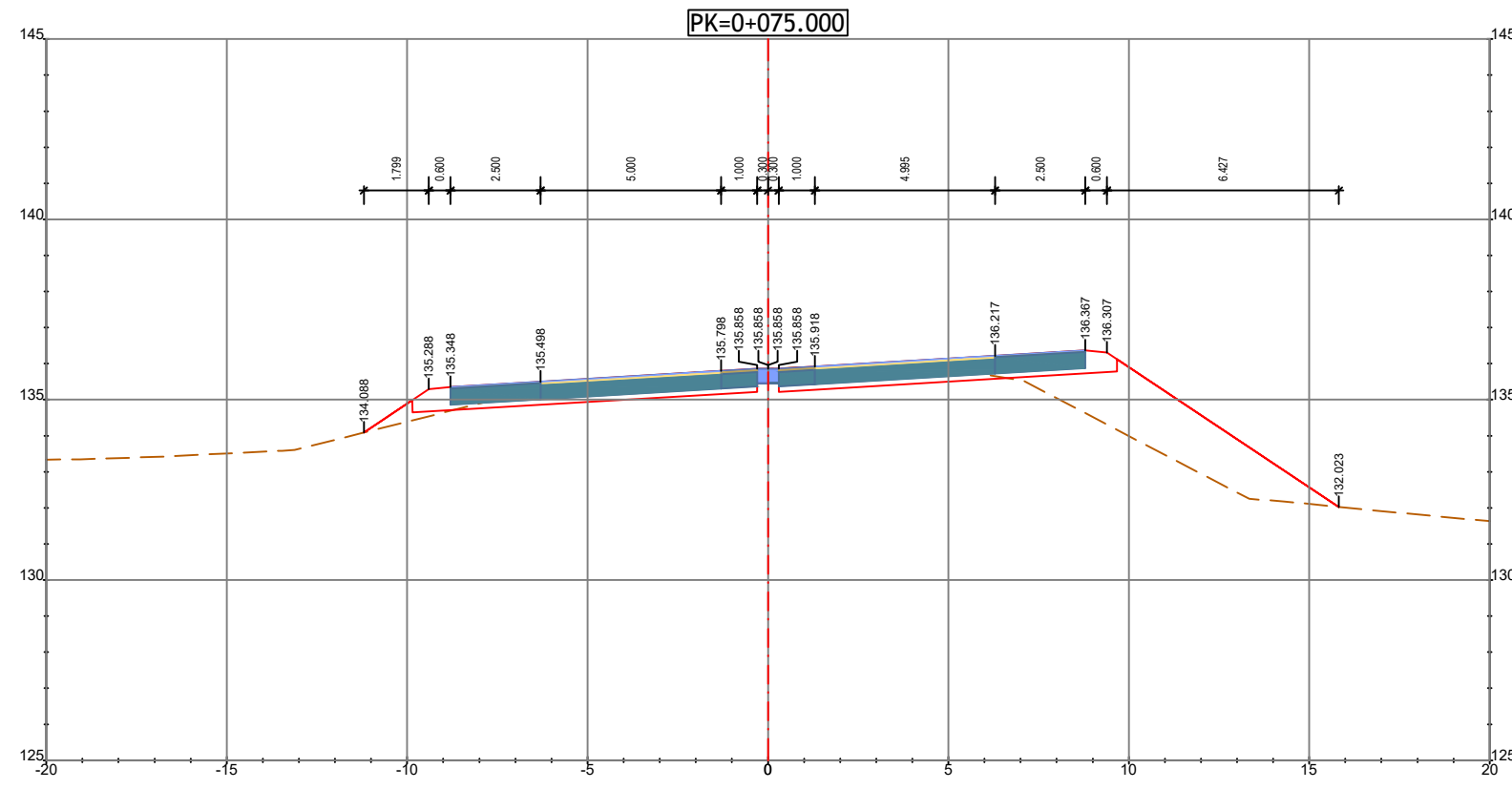
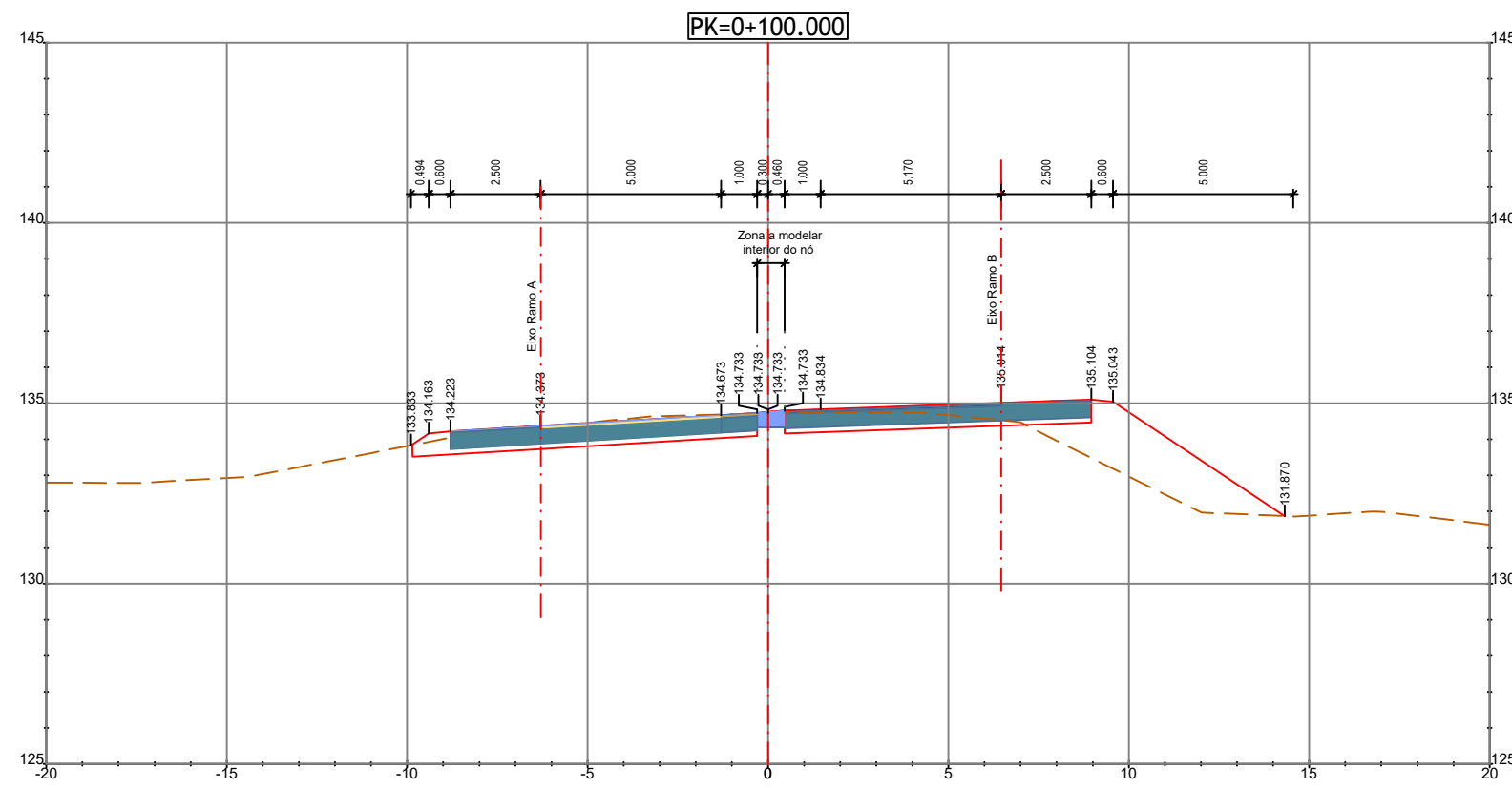
RAMO A

[Pk 0+170.494 ao 0+215.977 - Cotas Deduzidas do Ramo A+B]



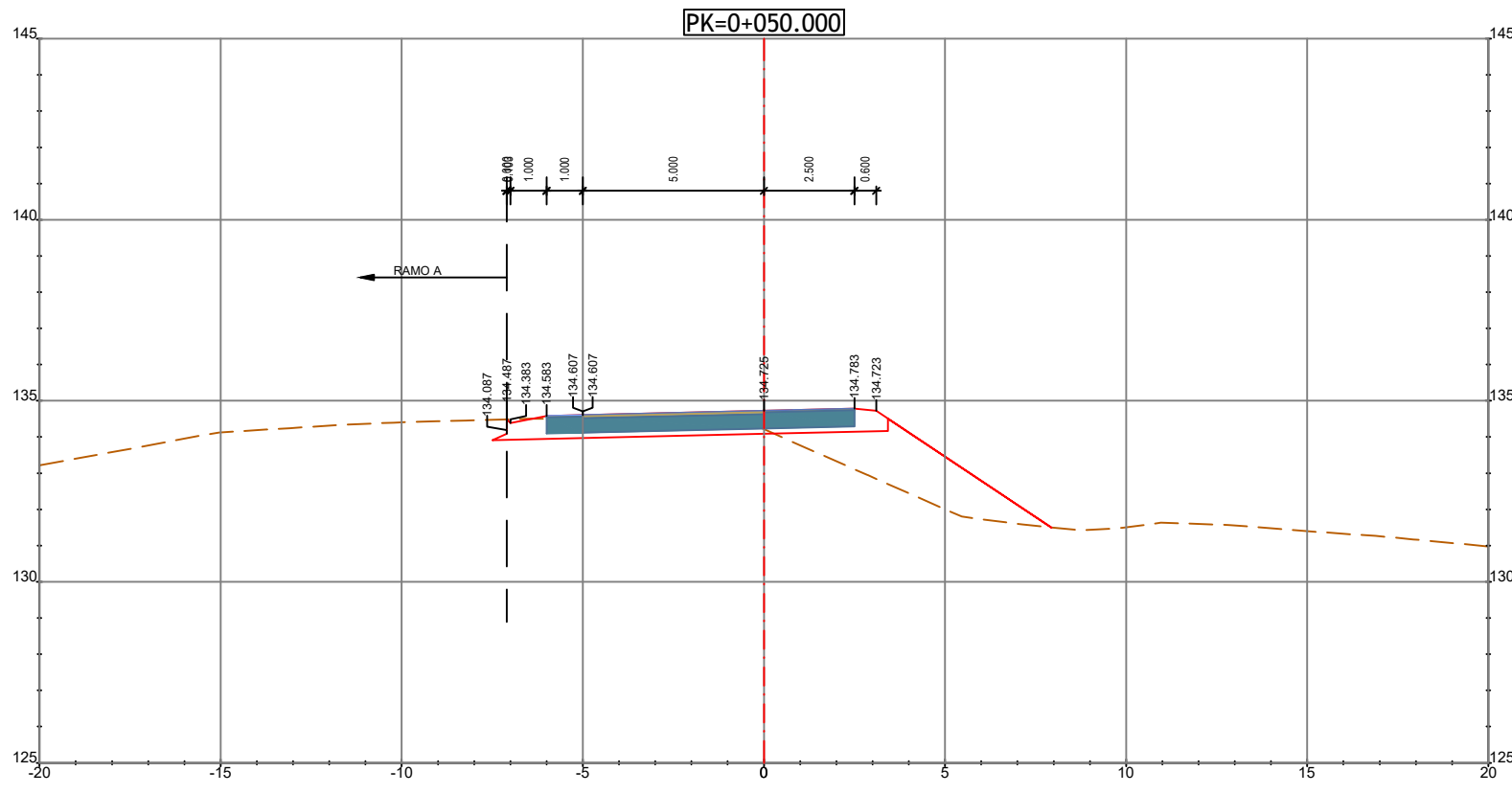
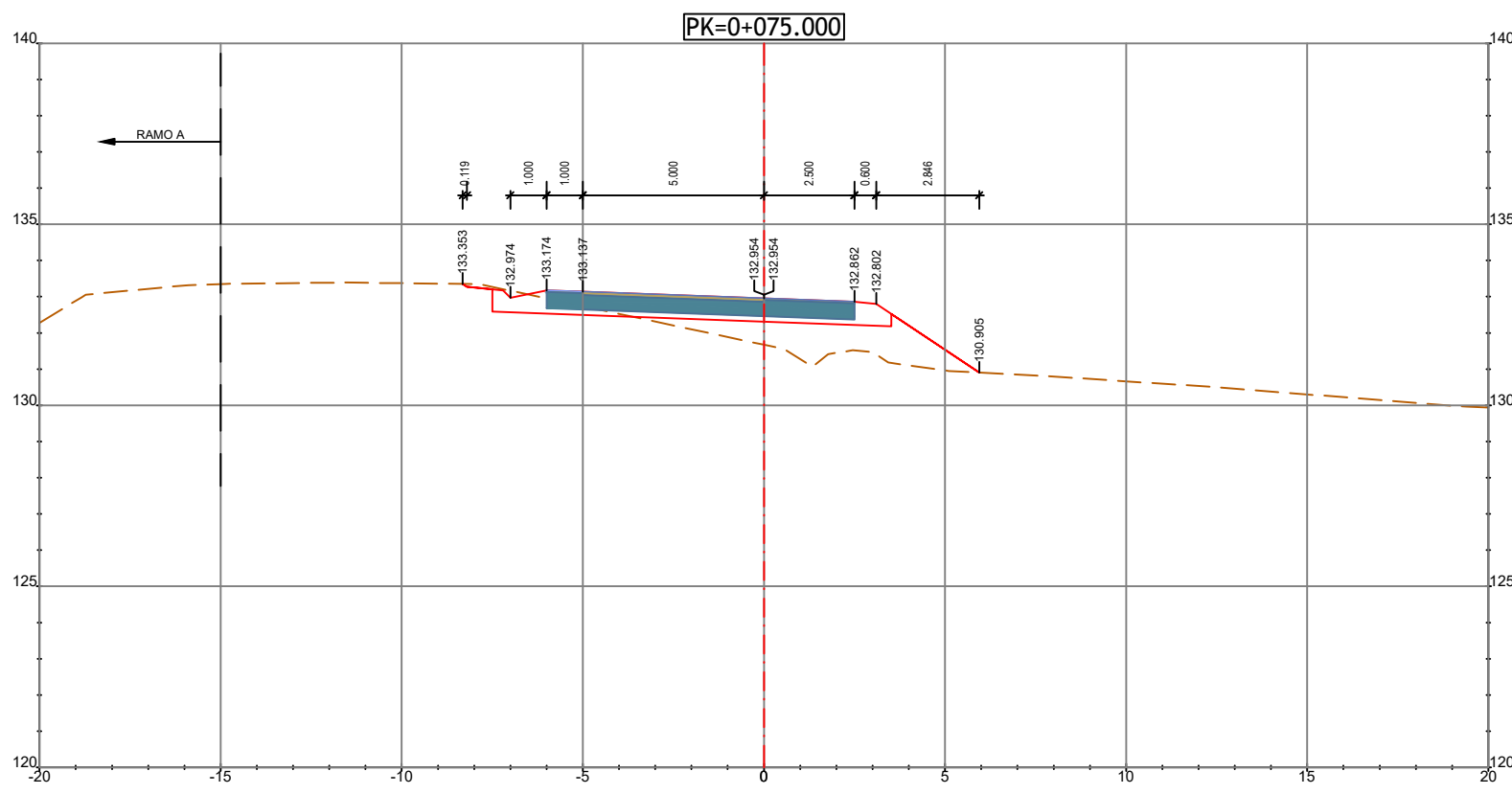
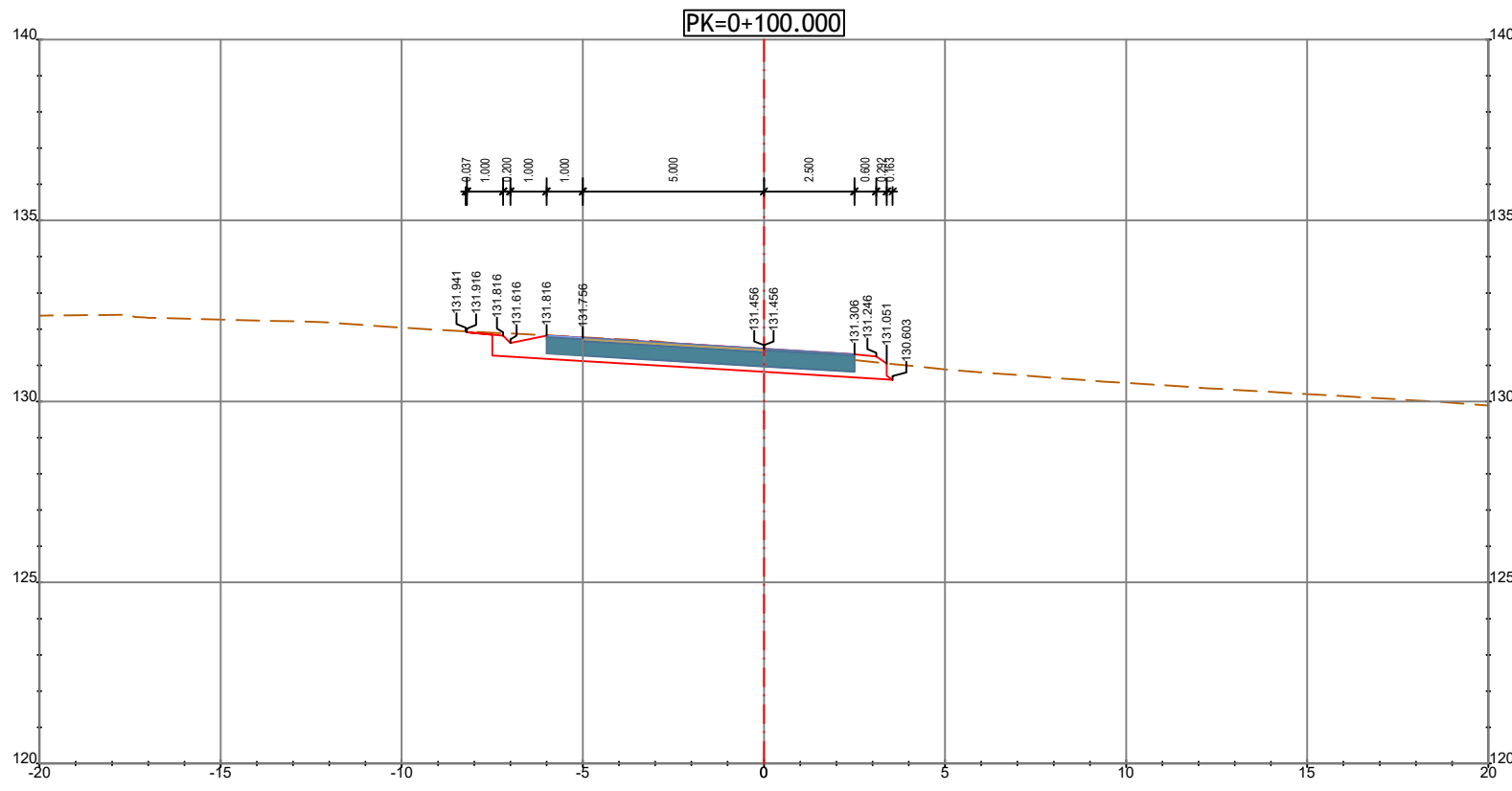
[Pk 0+000 ao 0+093.477 - Cotas Deduzidas da Secção Corrente]

RAMO A+B

[Pk=0+000.000]
[Cotas Deduzidas da Rotunda 1]

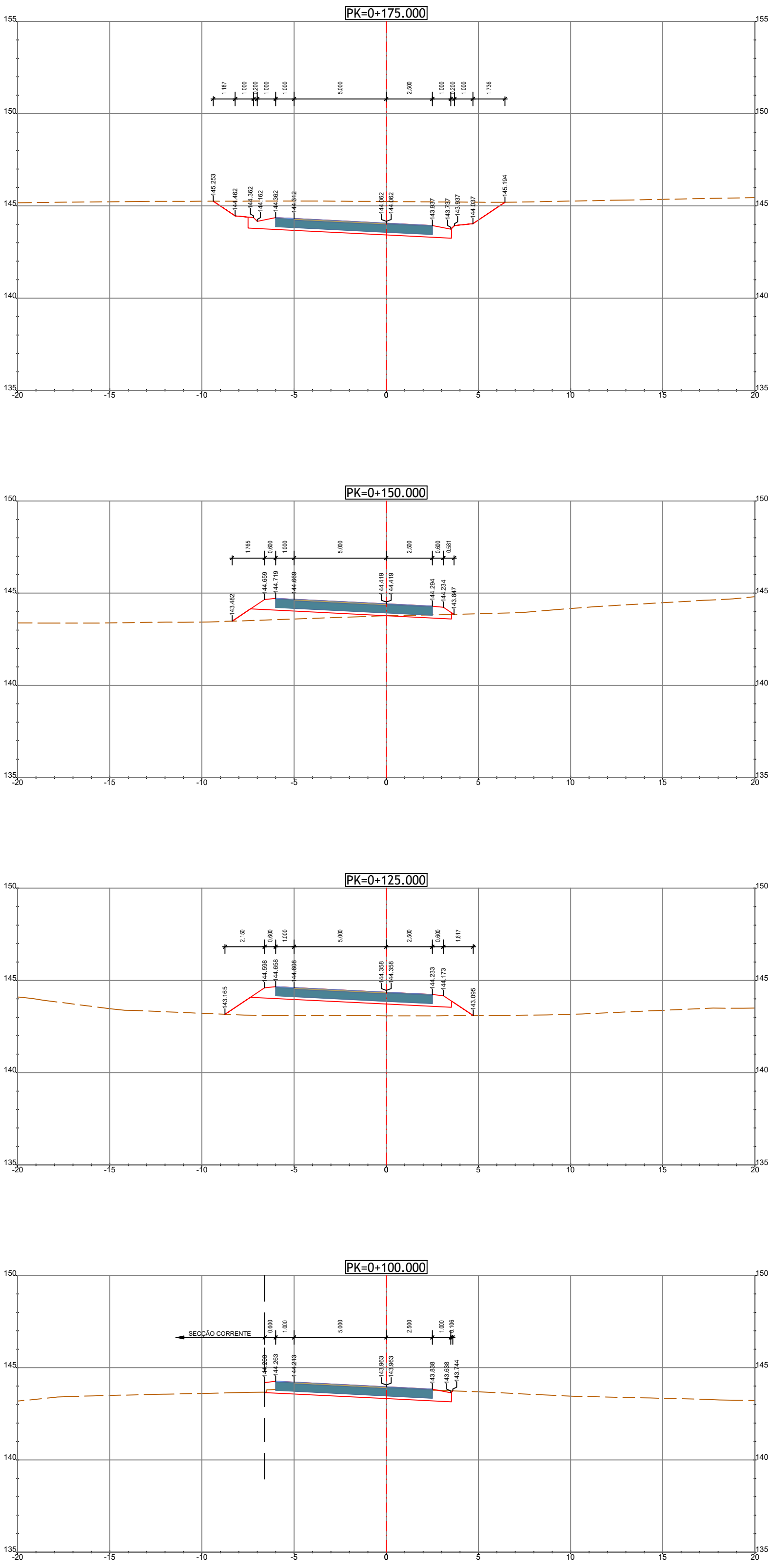
RAMO B

[Pk 0+123.419 ao 0+212.313 - Cotas Deduzidas da Secção Corrente]



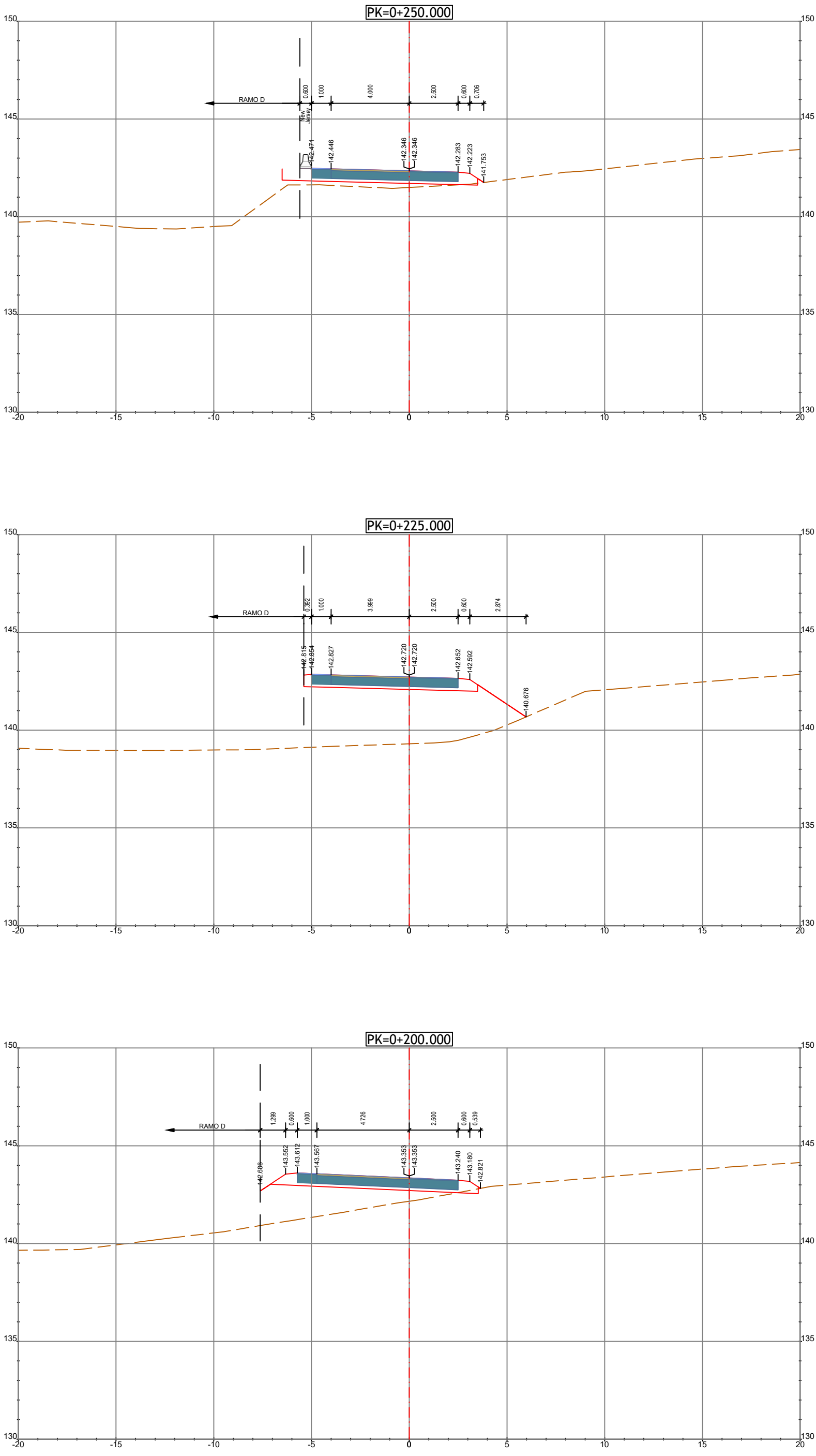
[Pk 0+000 ao 0+026.442 - Cotas Deduzidas do Ramo A+B]

RAMO C

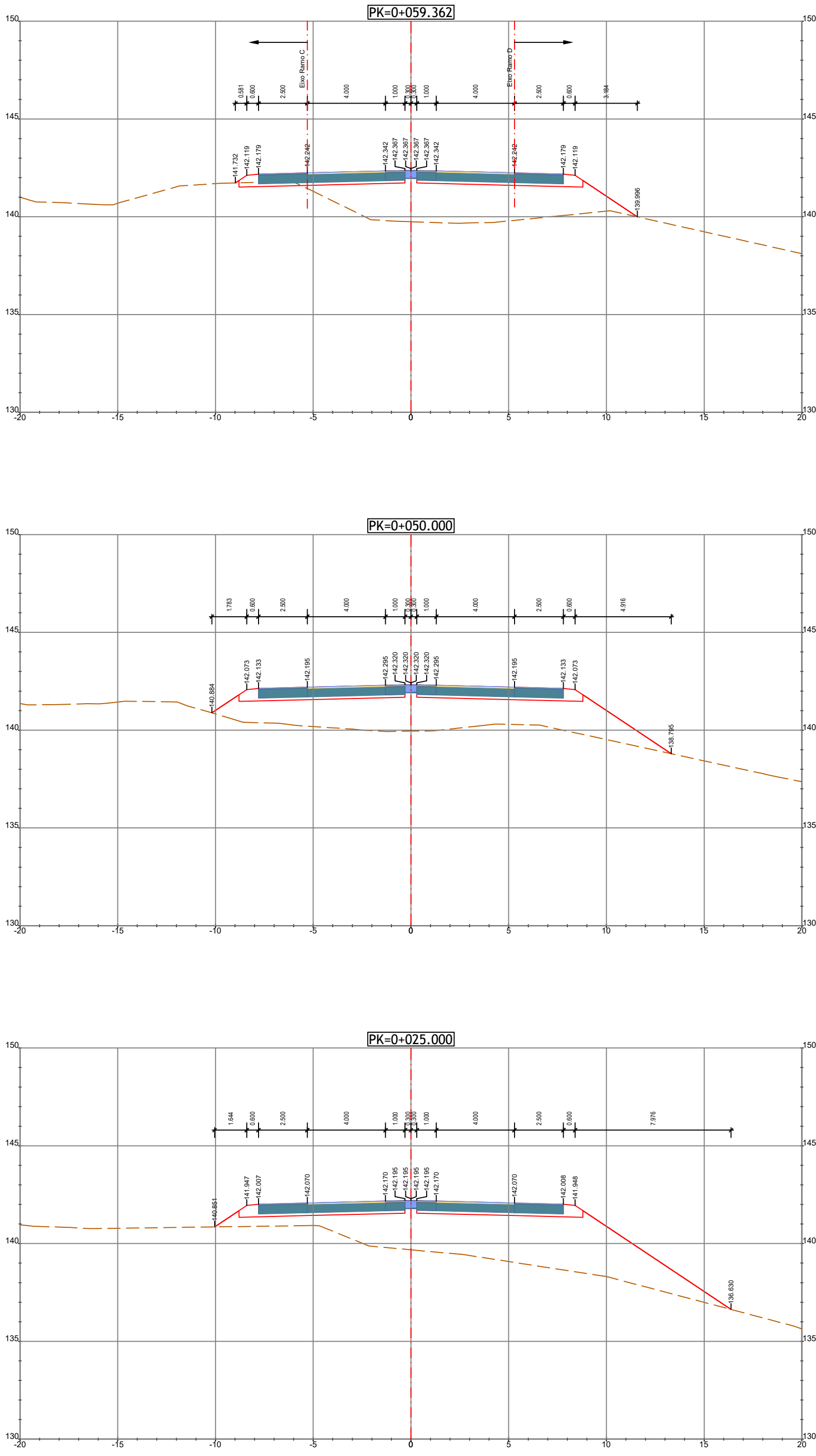


Pk 0+000.ao 0+098.905 - Cotas Deduzidas da Secção Corrente

PK=0+265.363
Cotas Deduzidas do Ramo C+D



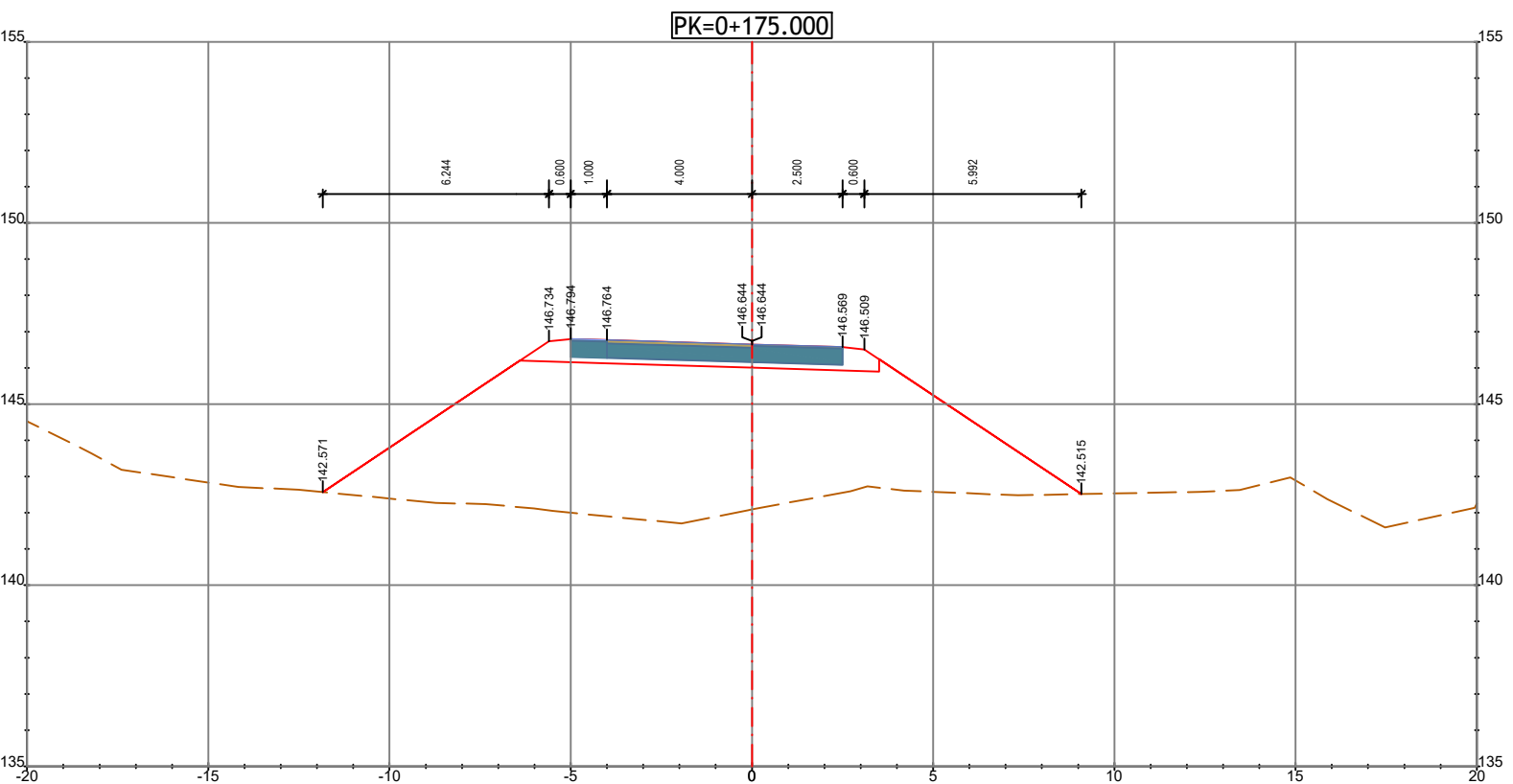
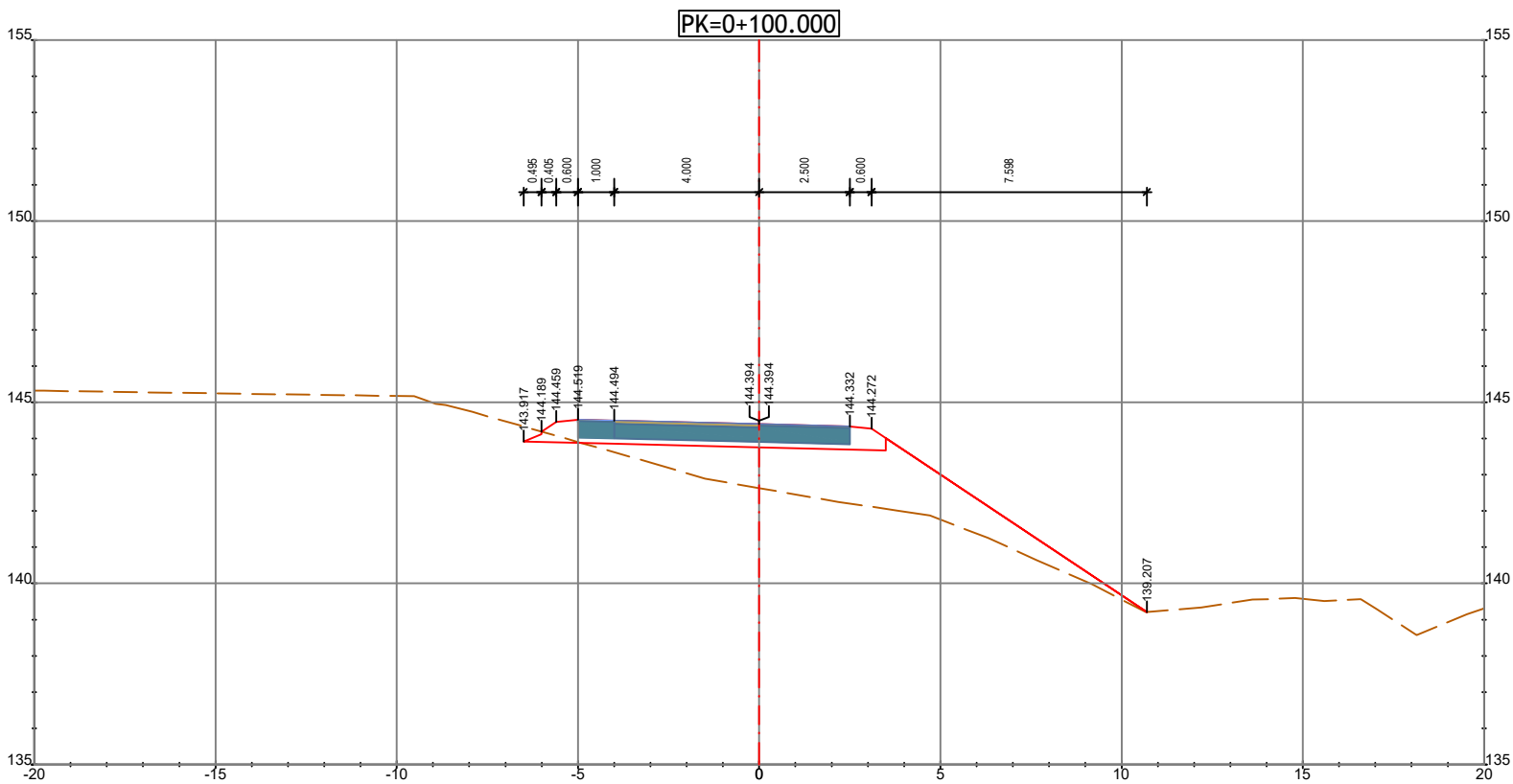
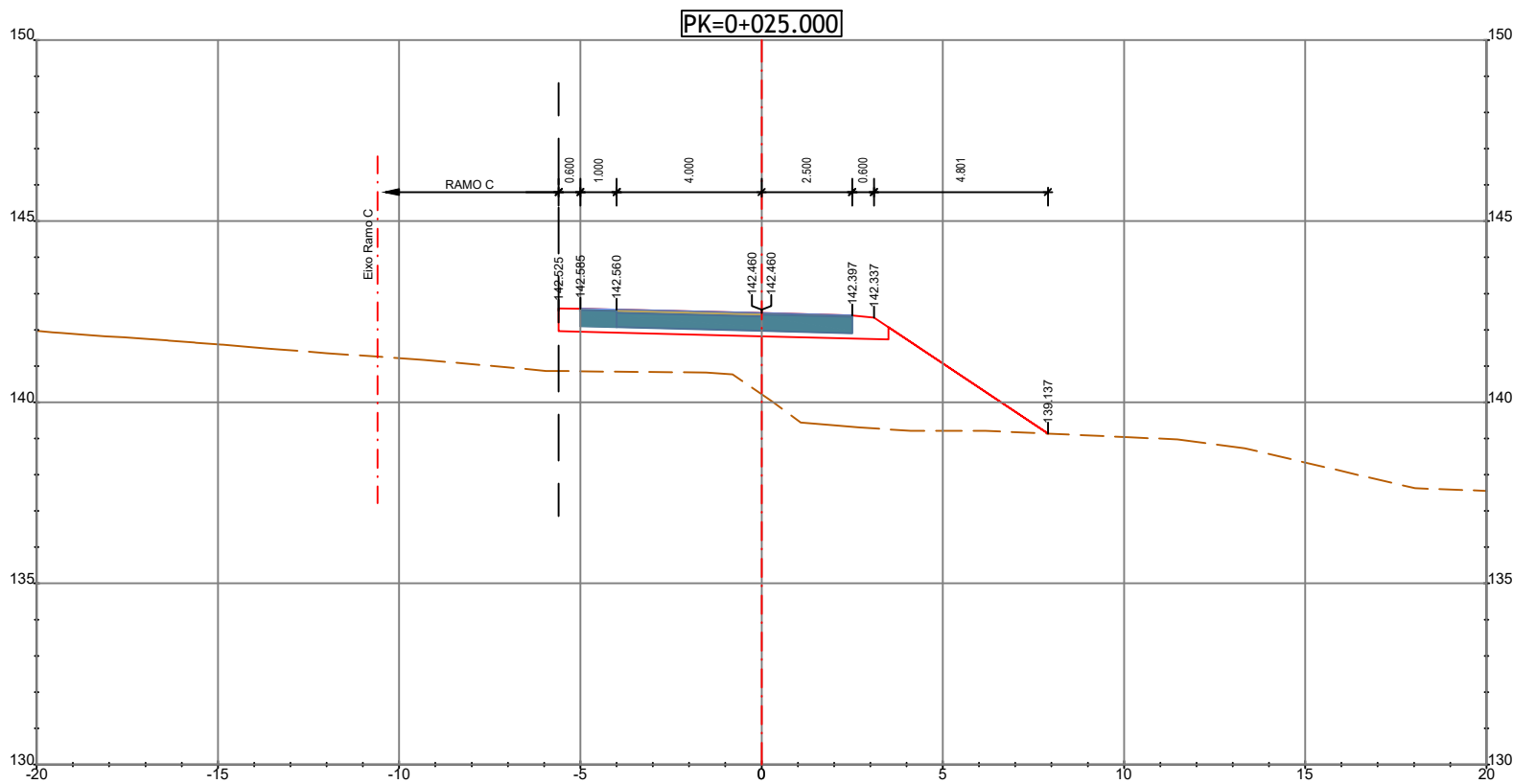
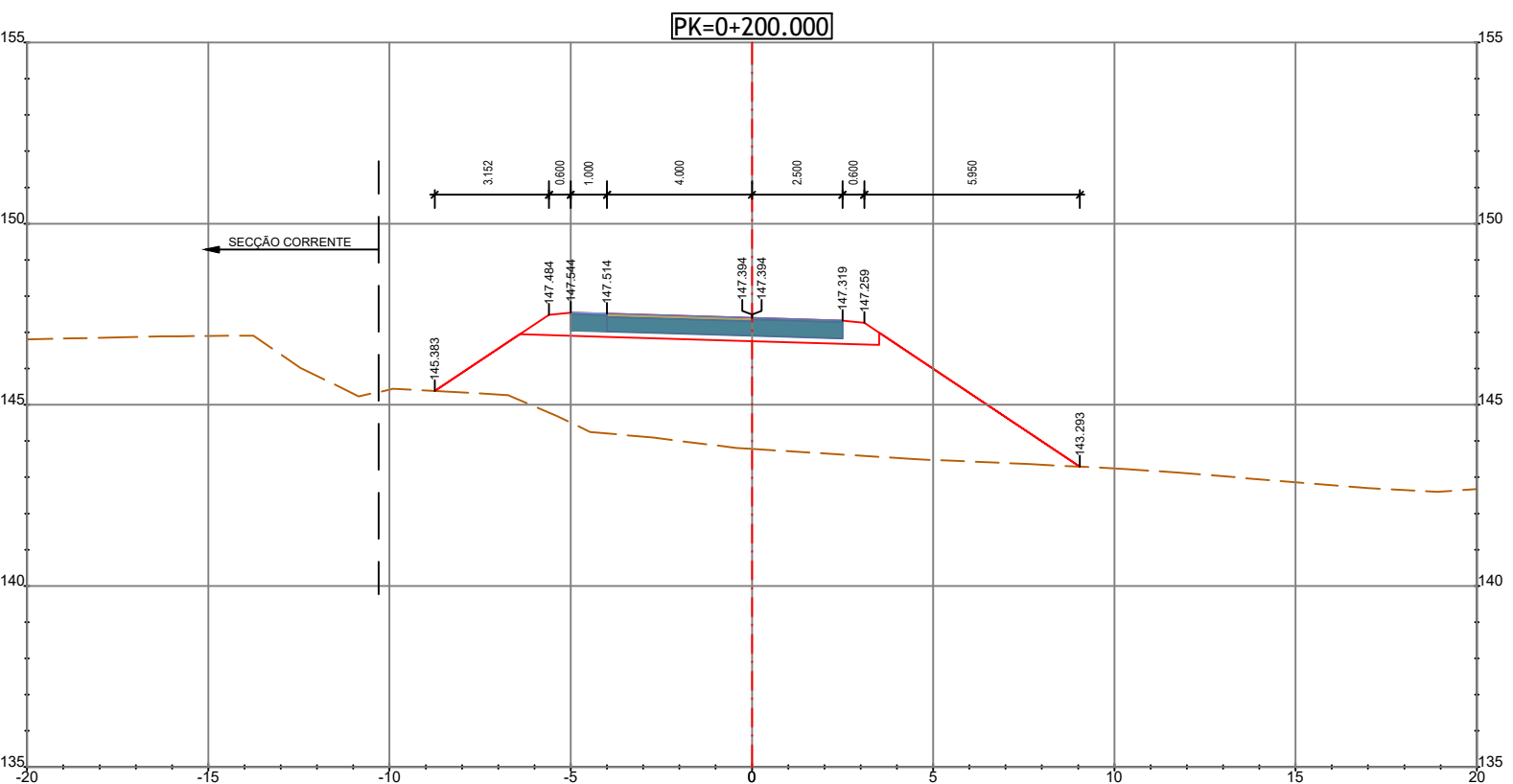
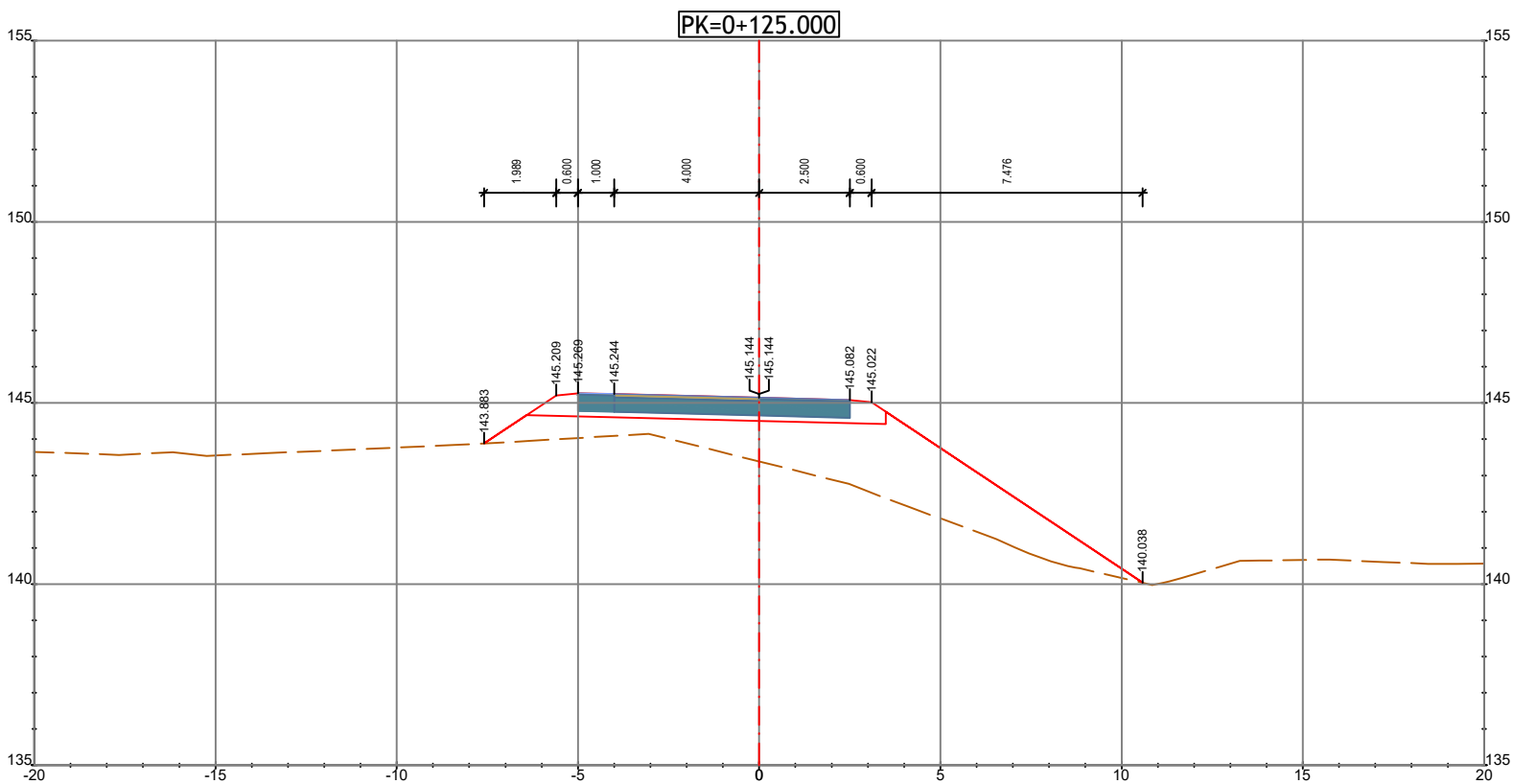
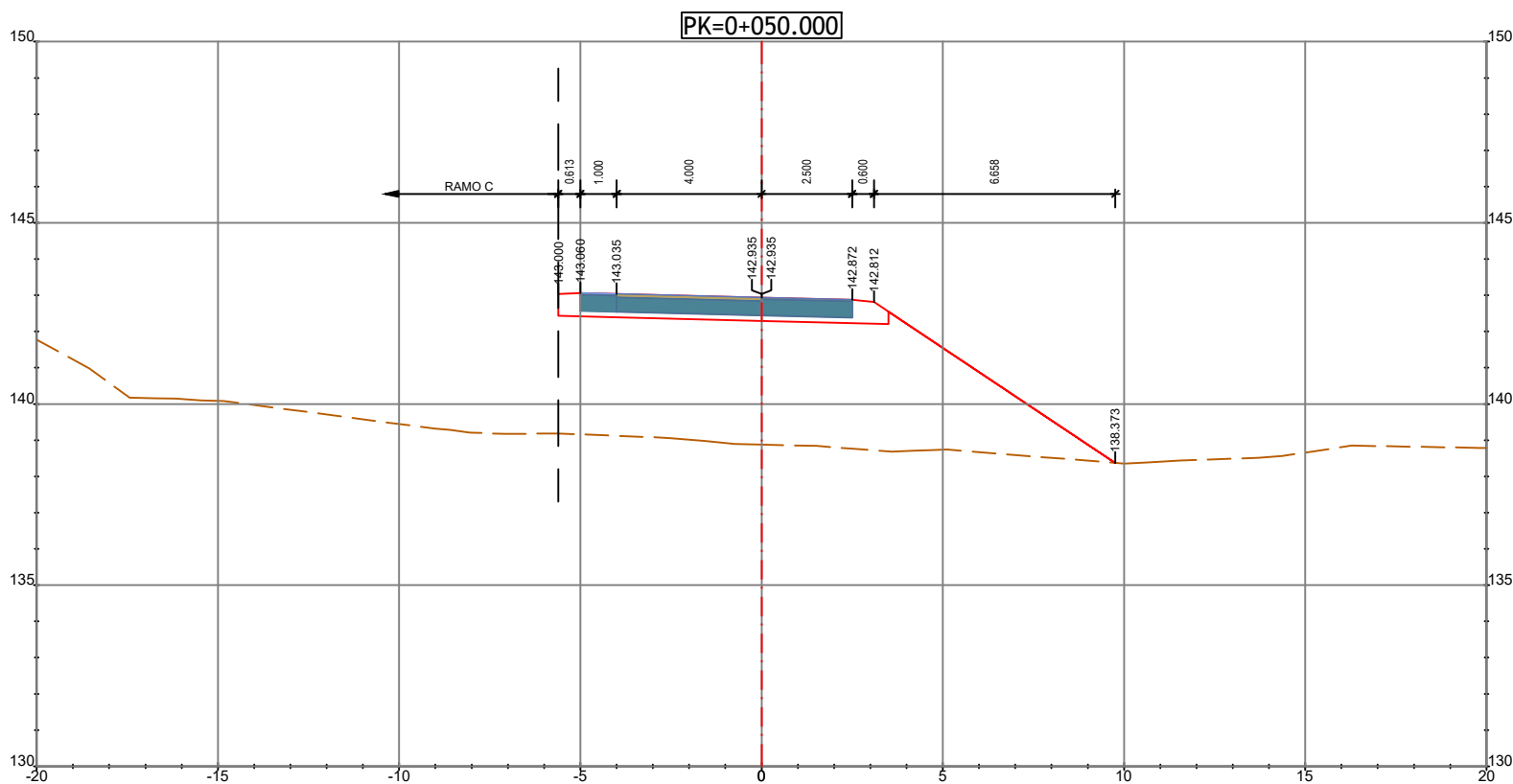
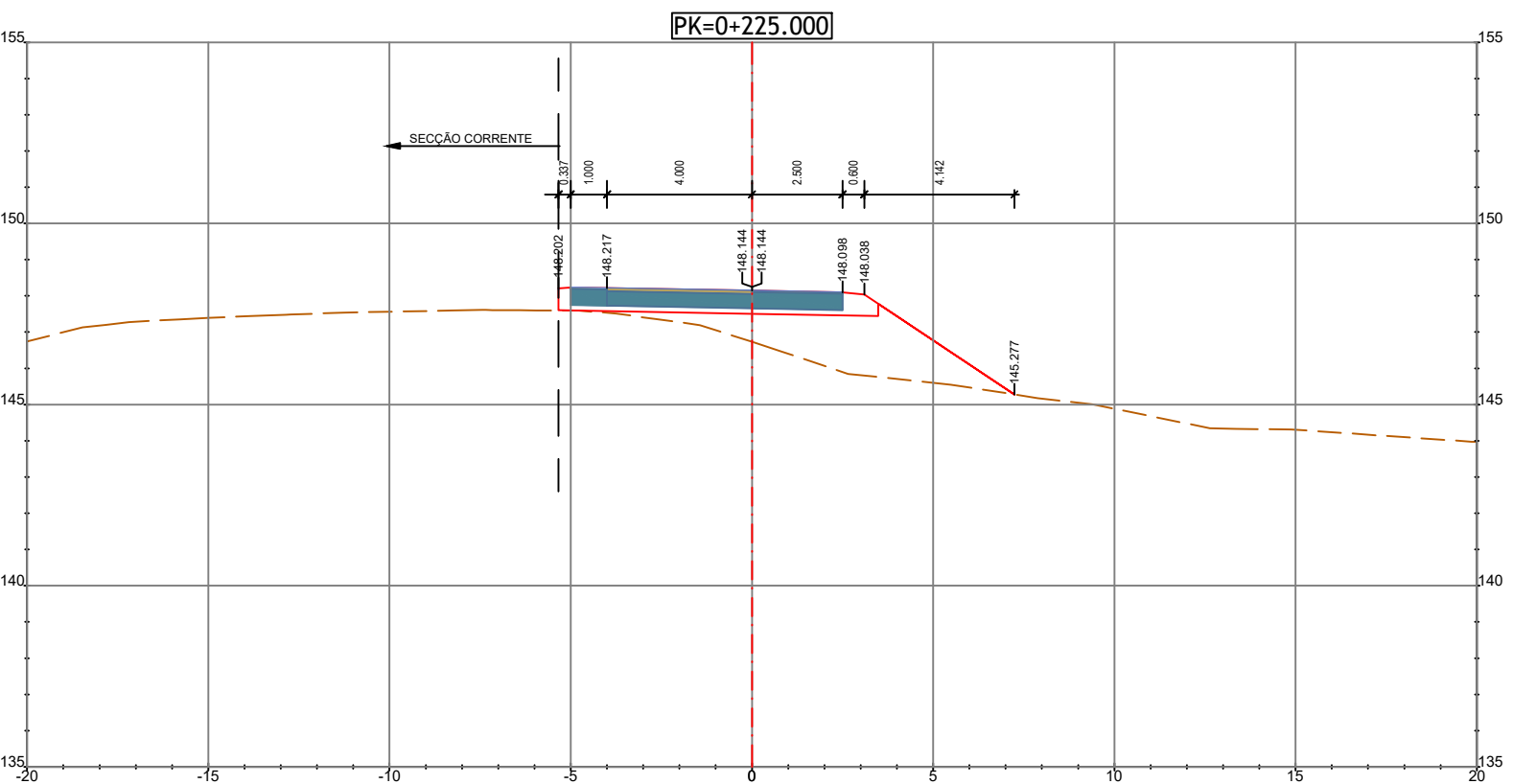
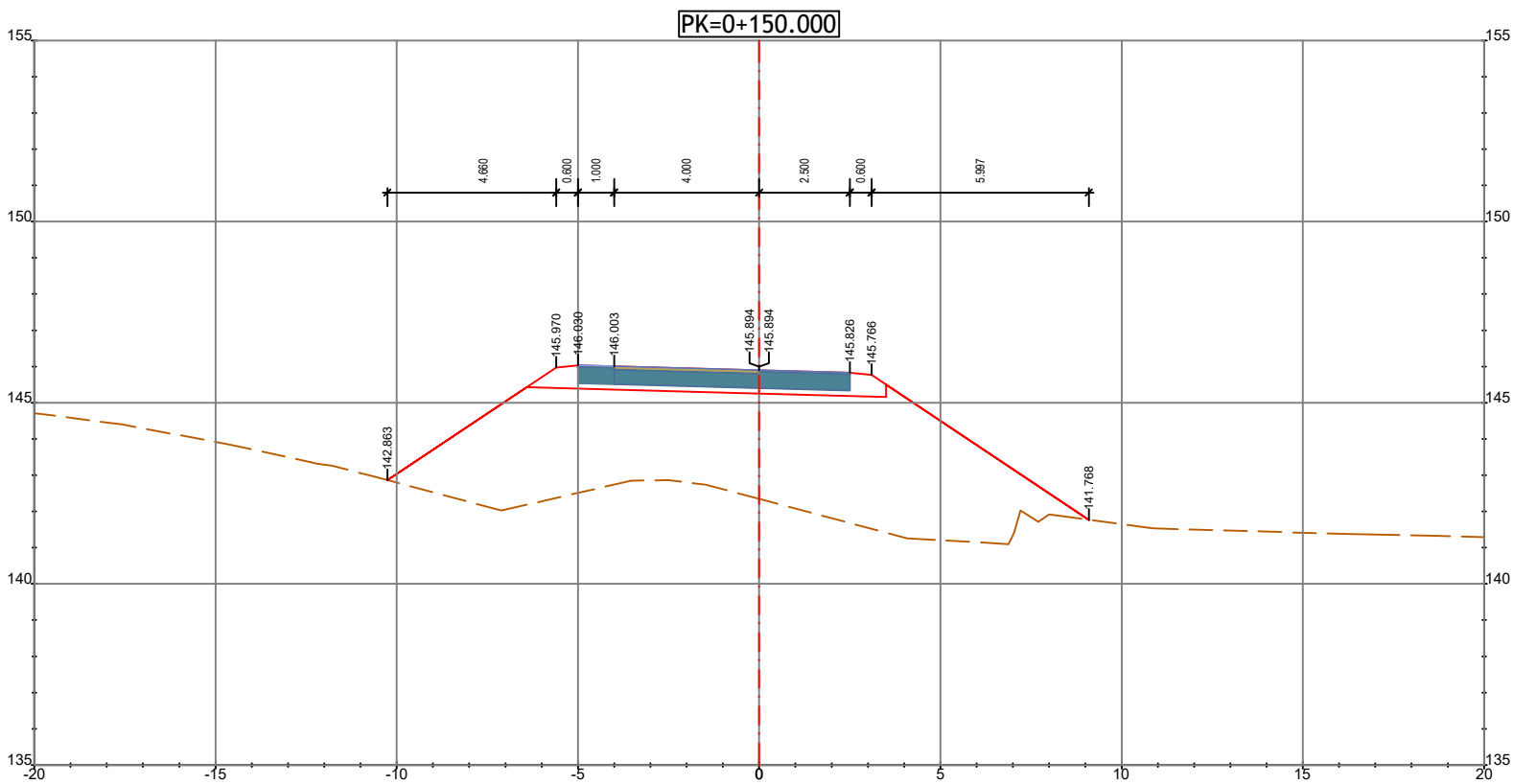
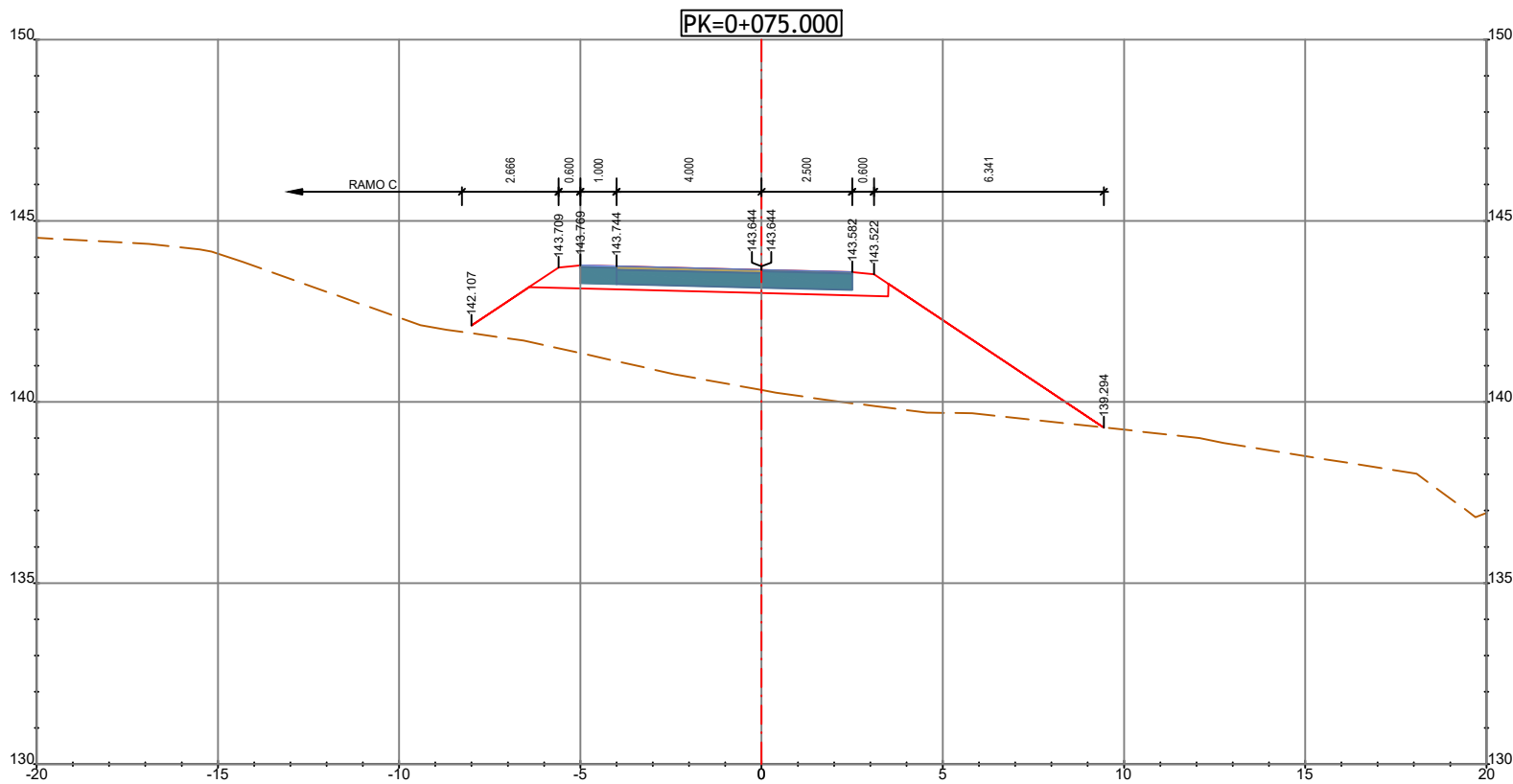
RAMO C+D



PK=0+000.000
Cotas Deduzidas da Rotunda 2

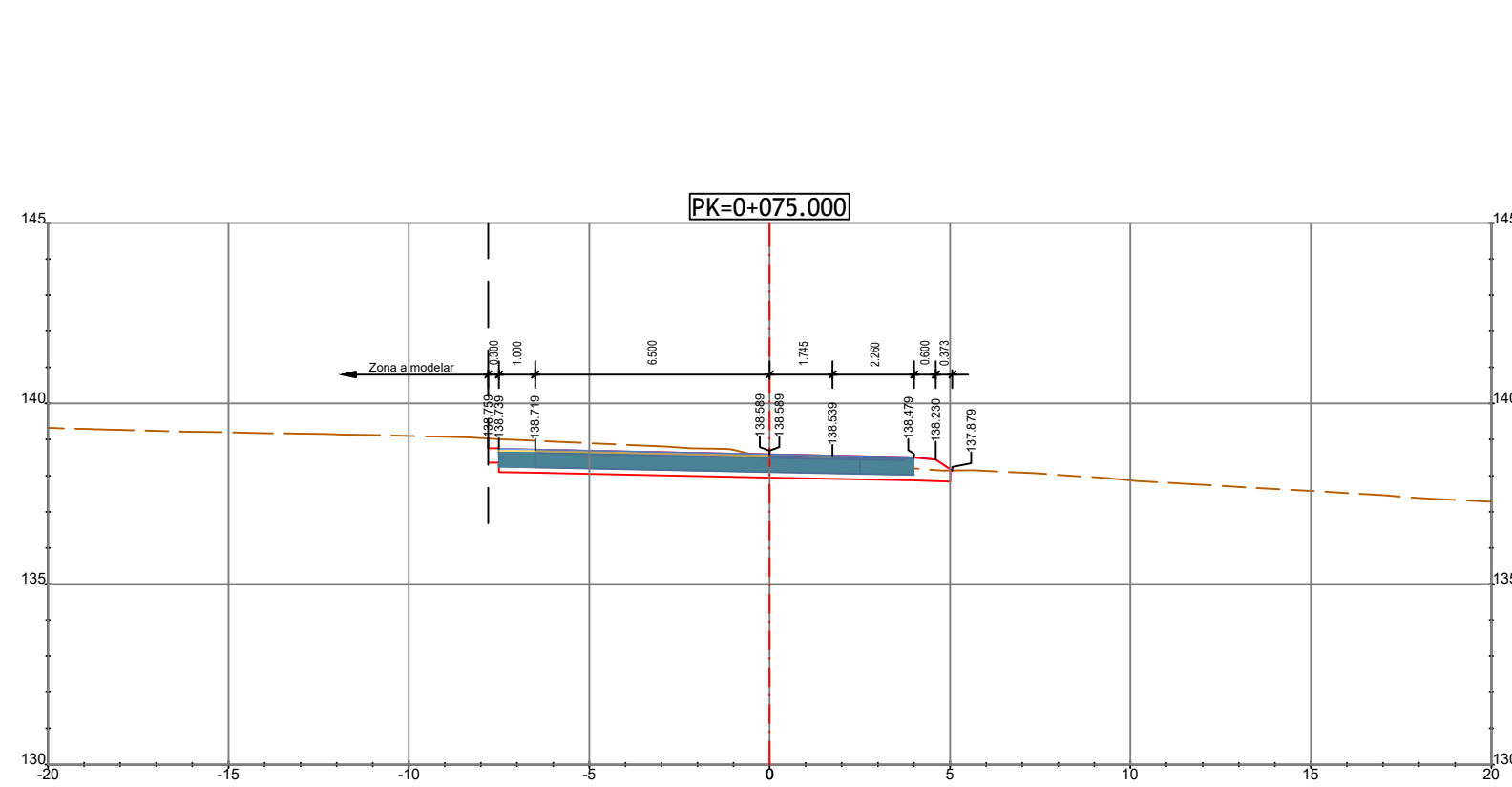
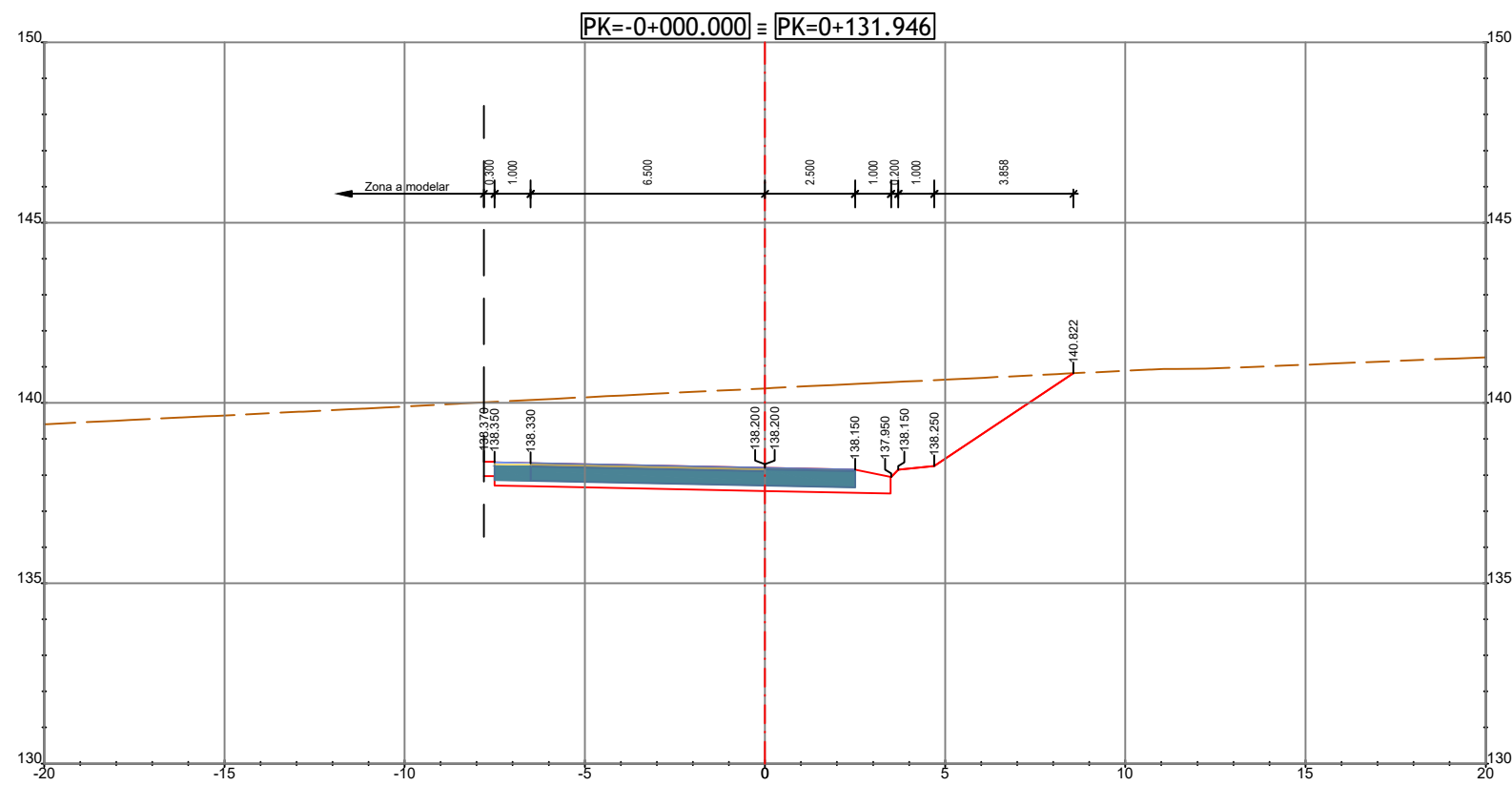
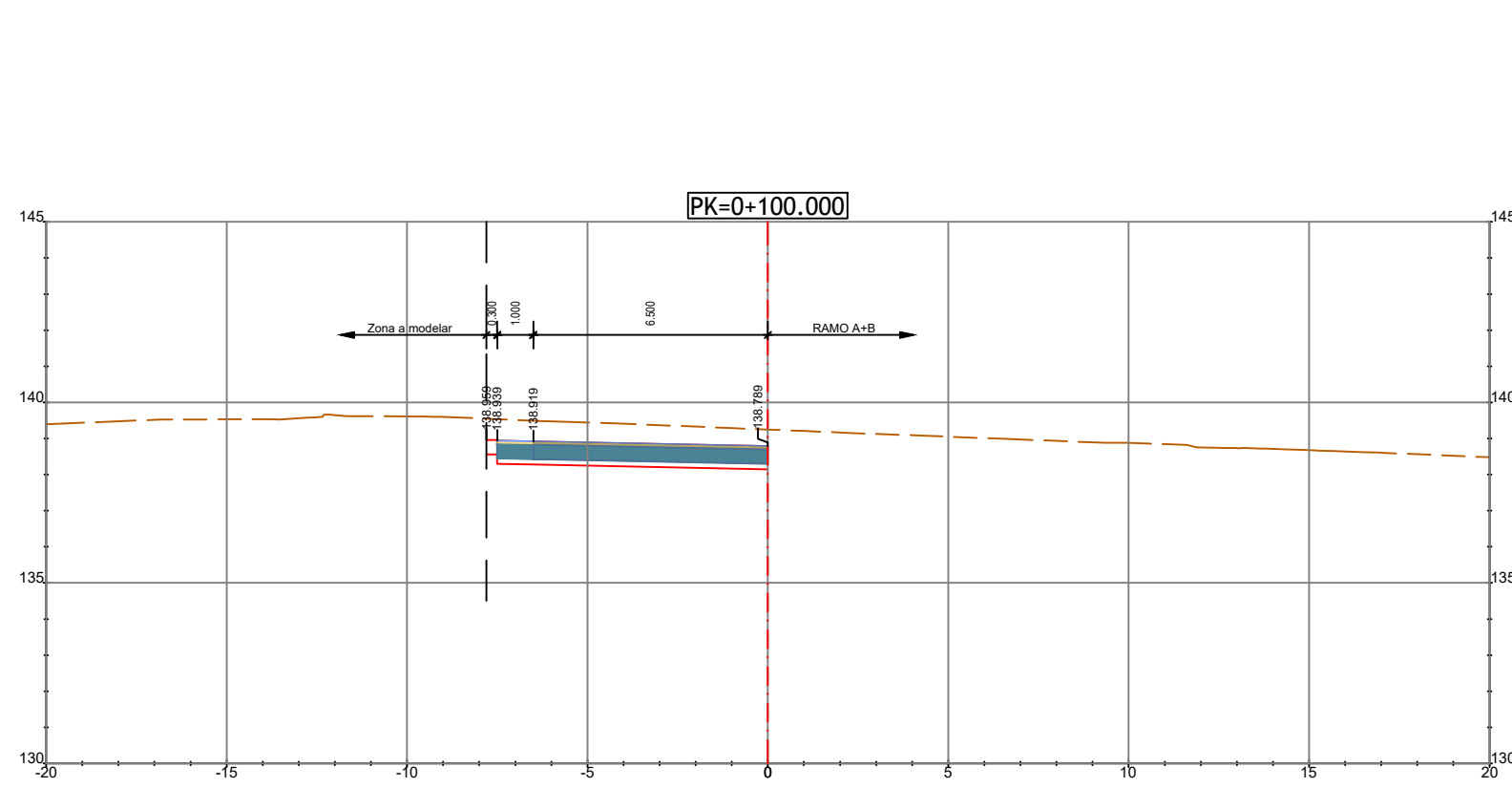
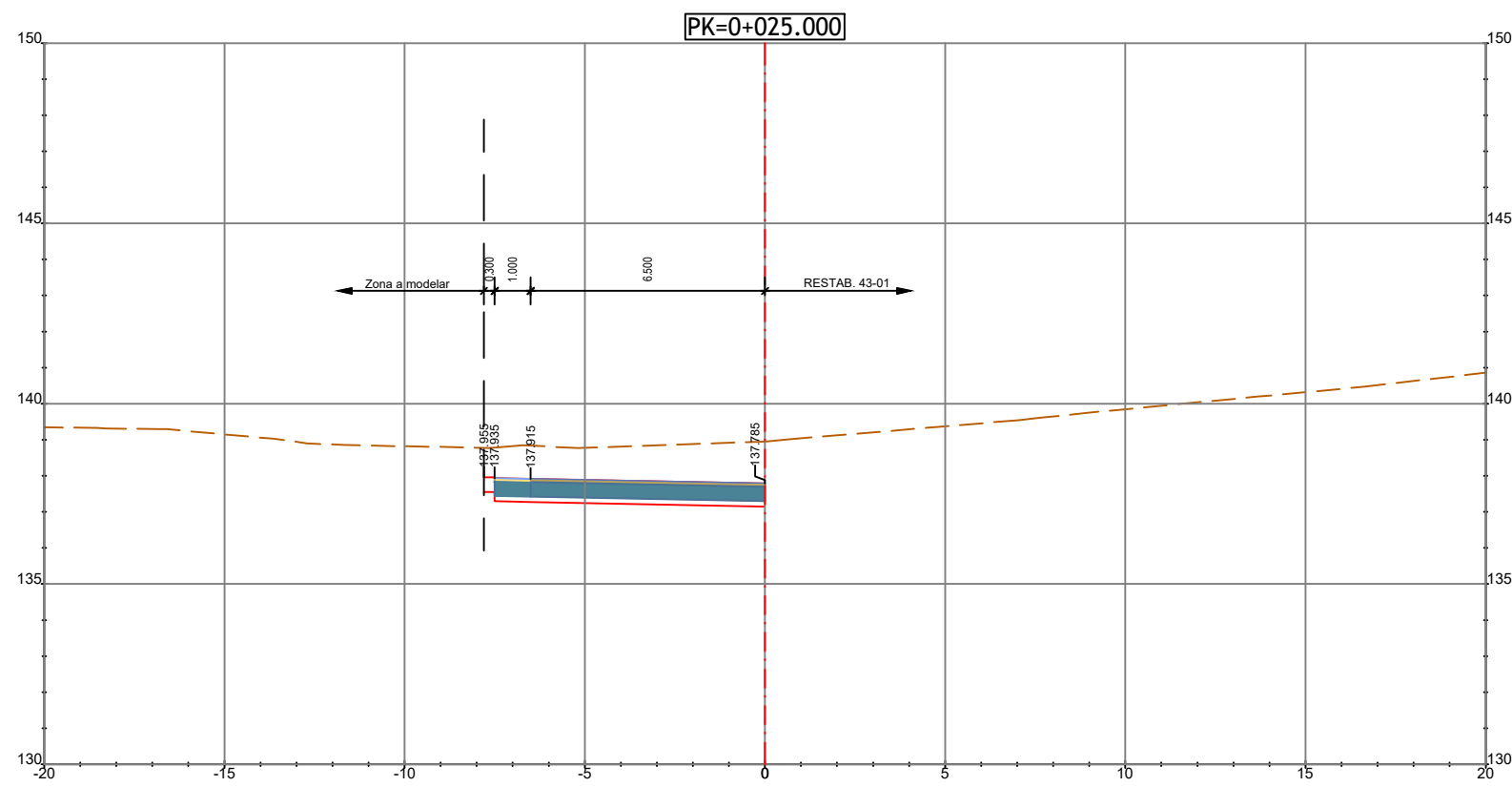
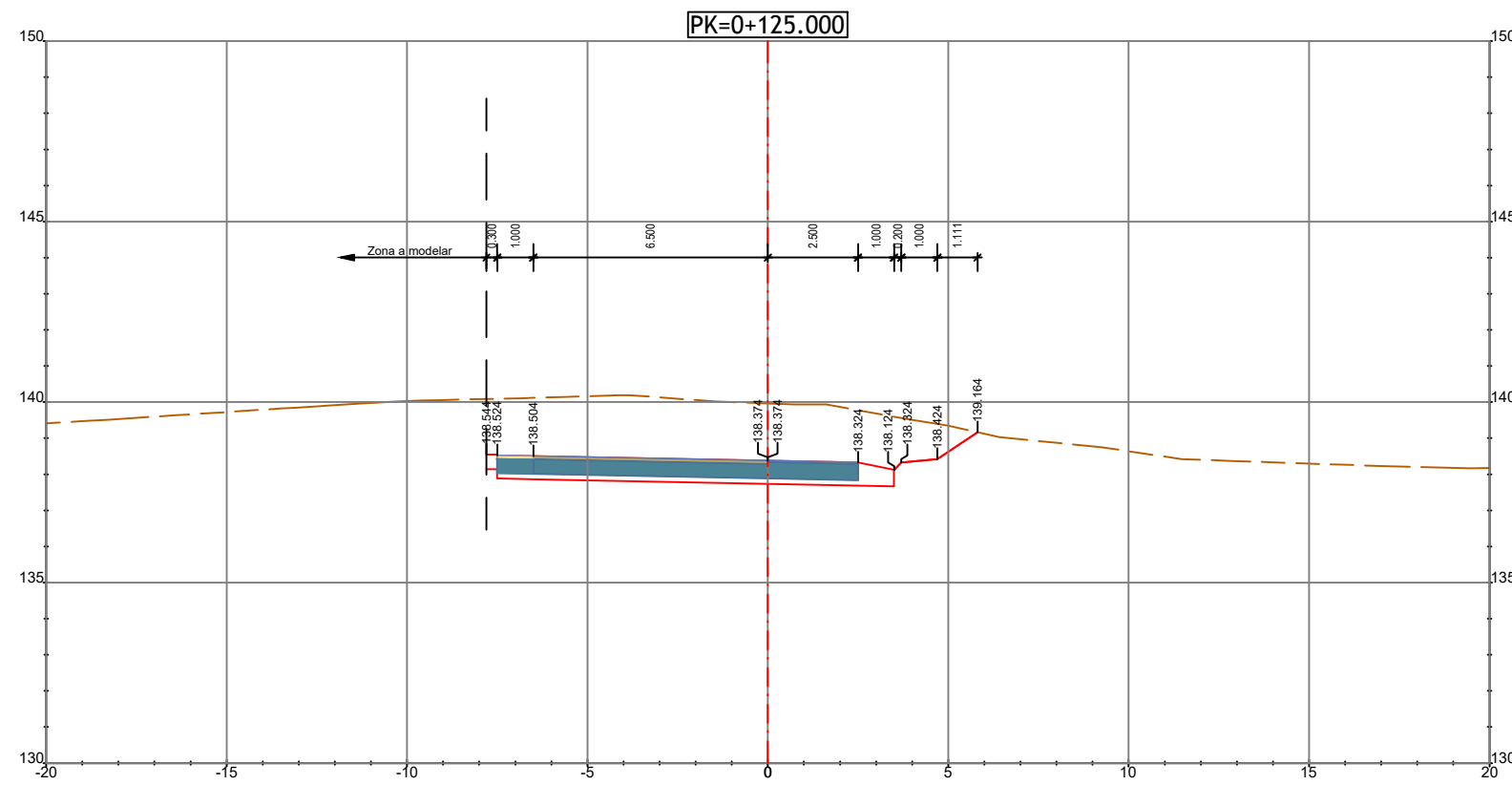
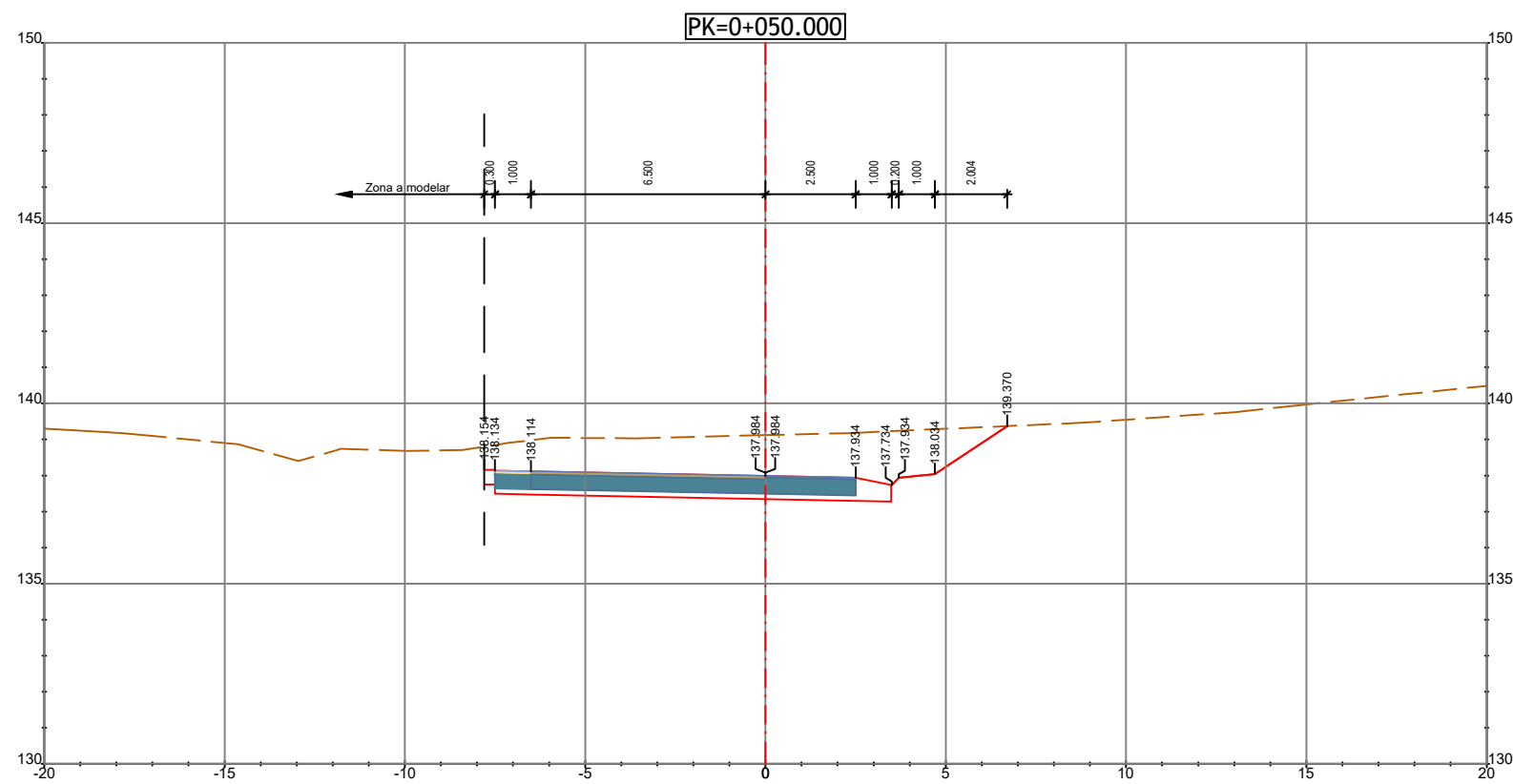
RAMO D

[Pk 0+226.659 ao 0+373.798 - Cotas Deduzidas da Secção Corrente]

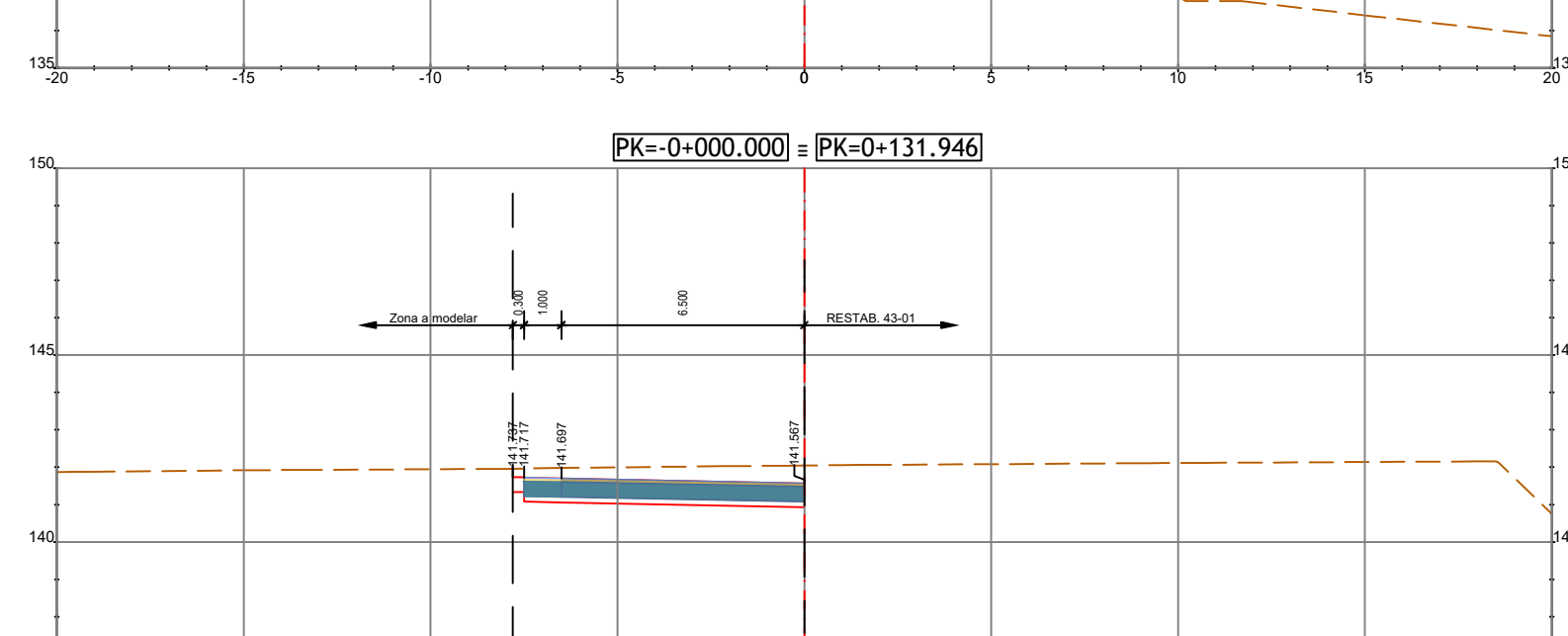
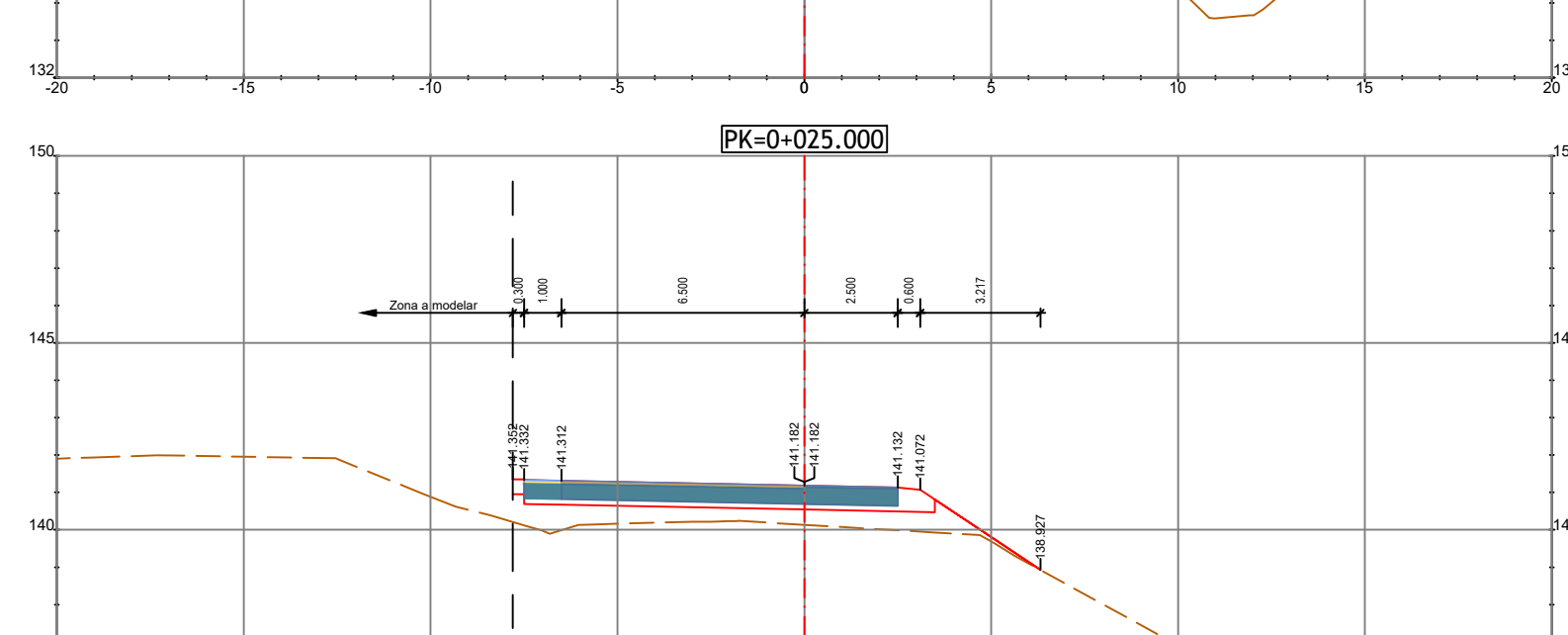
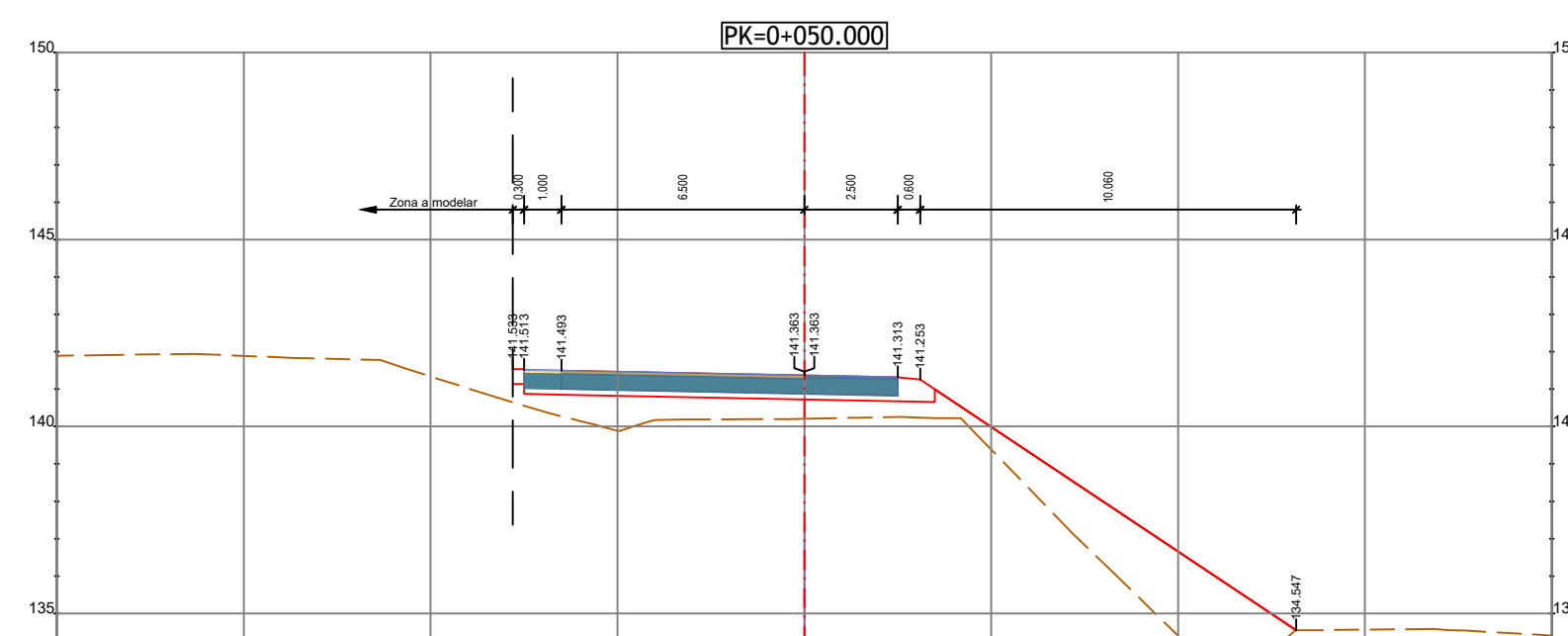
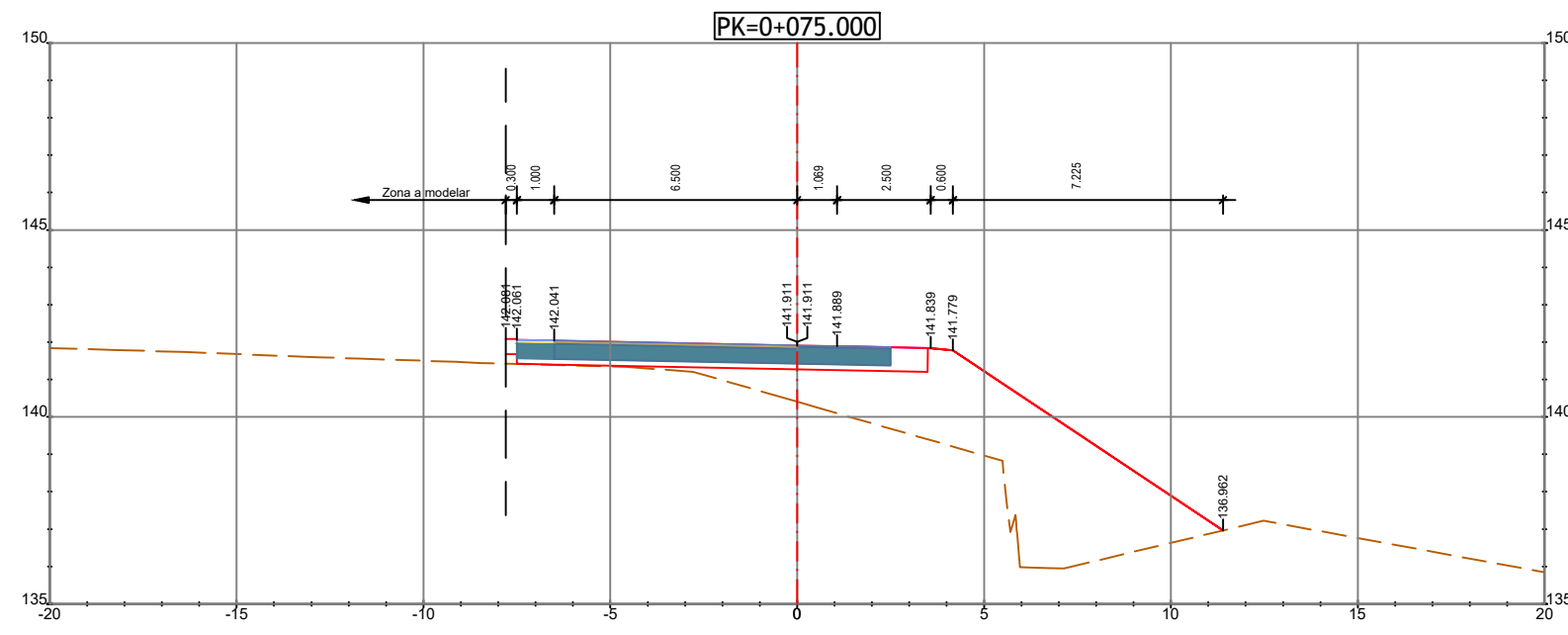
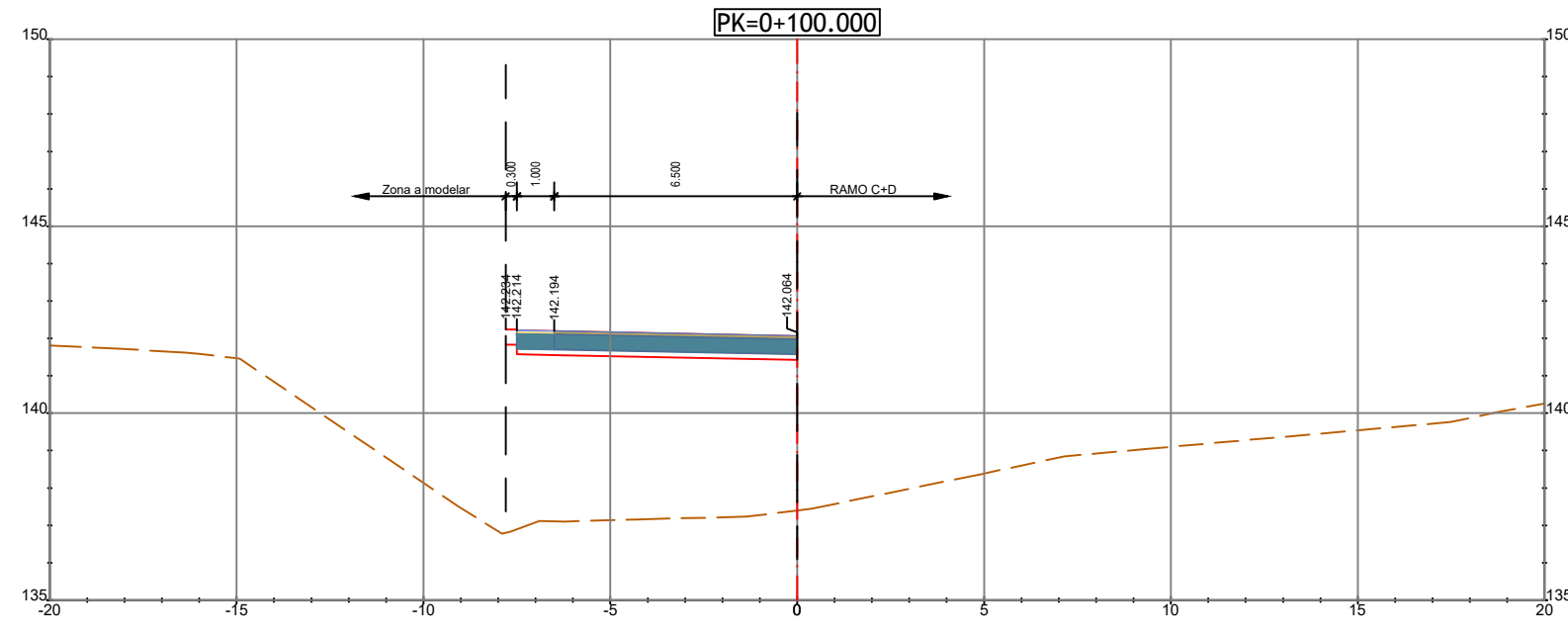
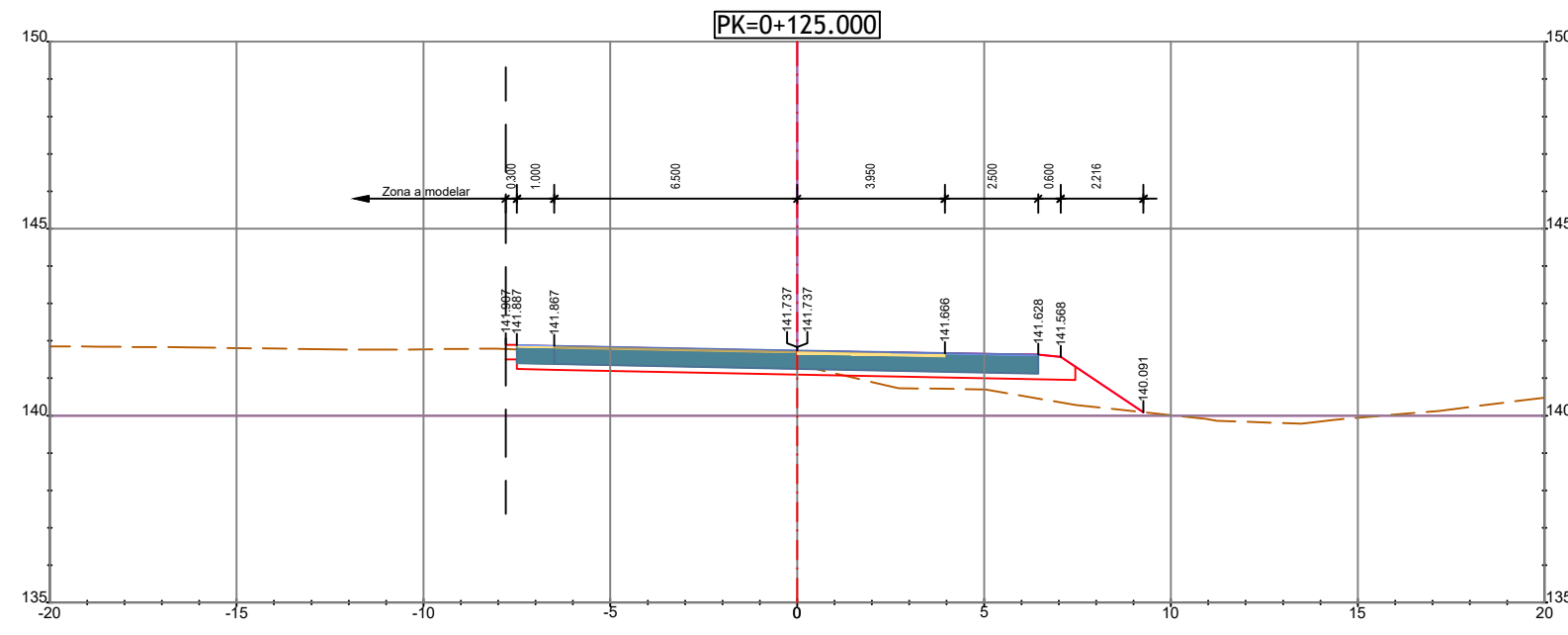


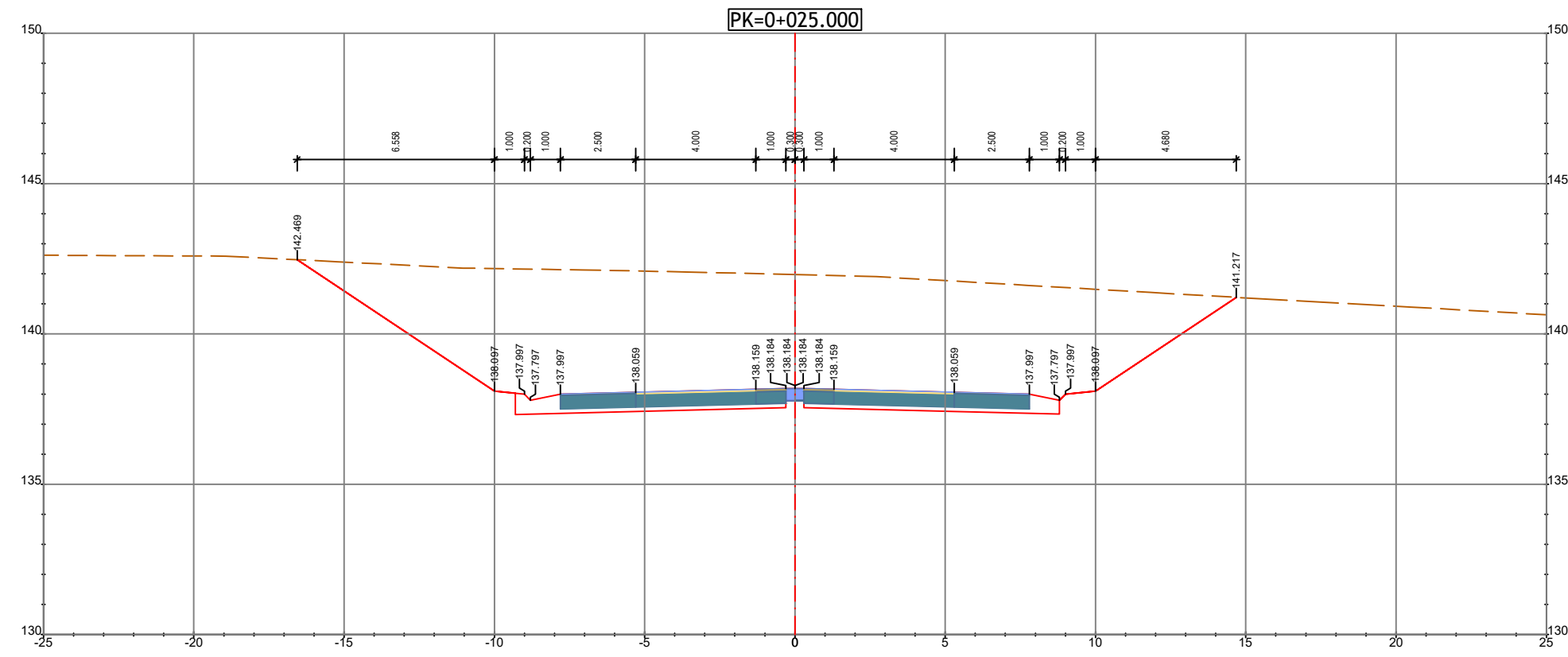
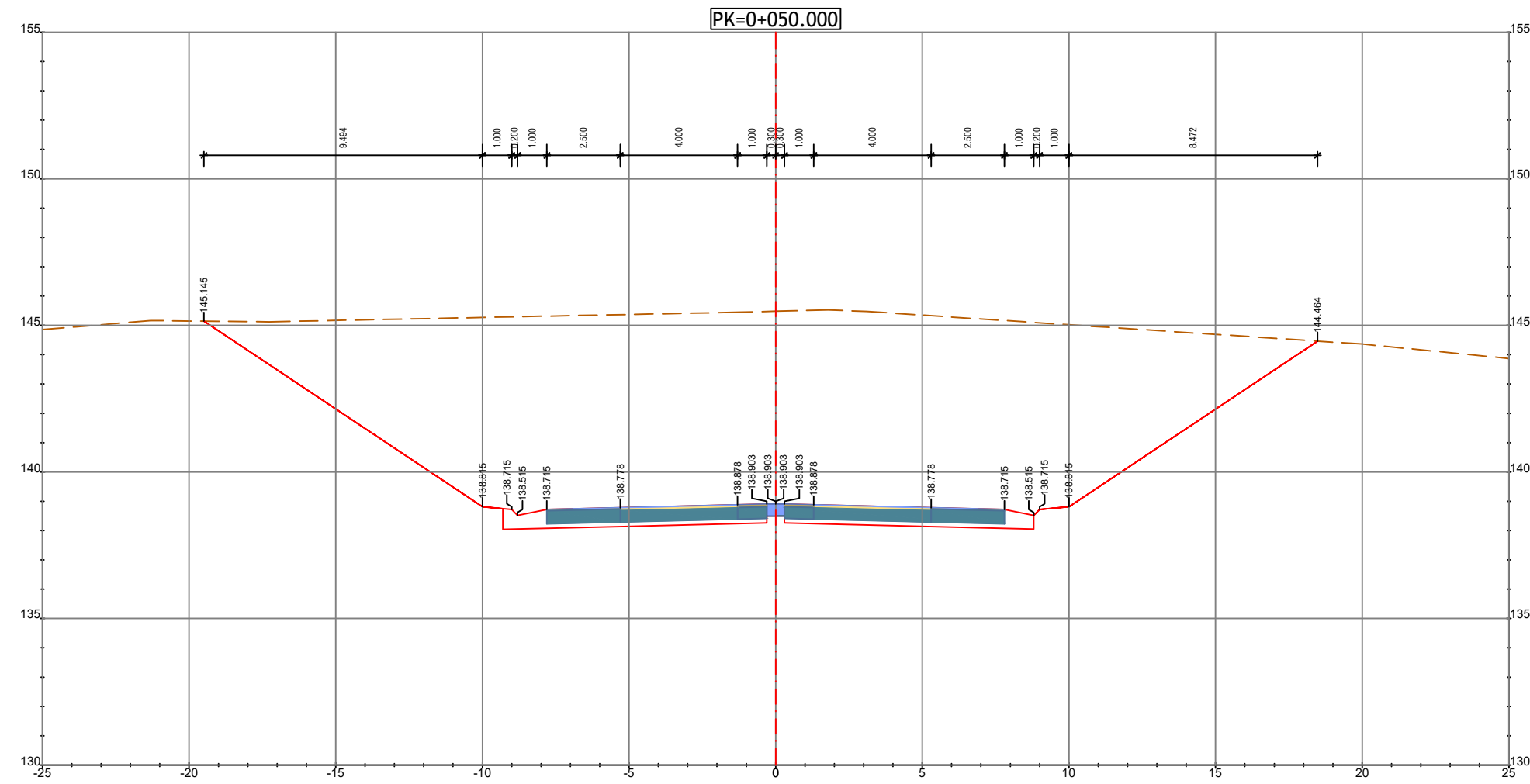
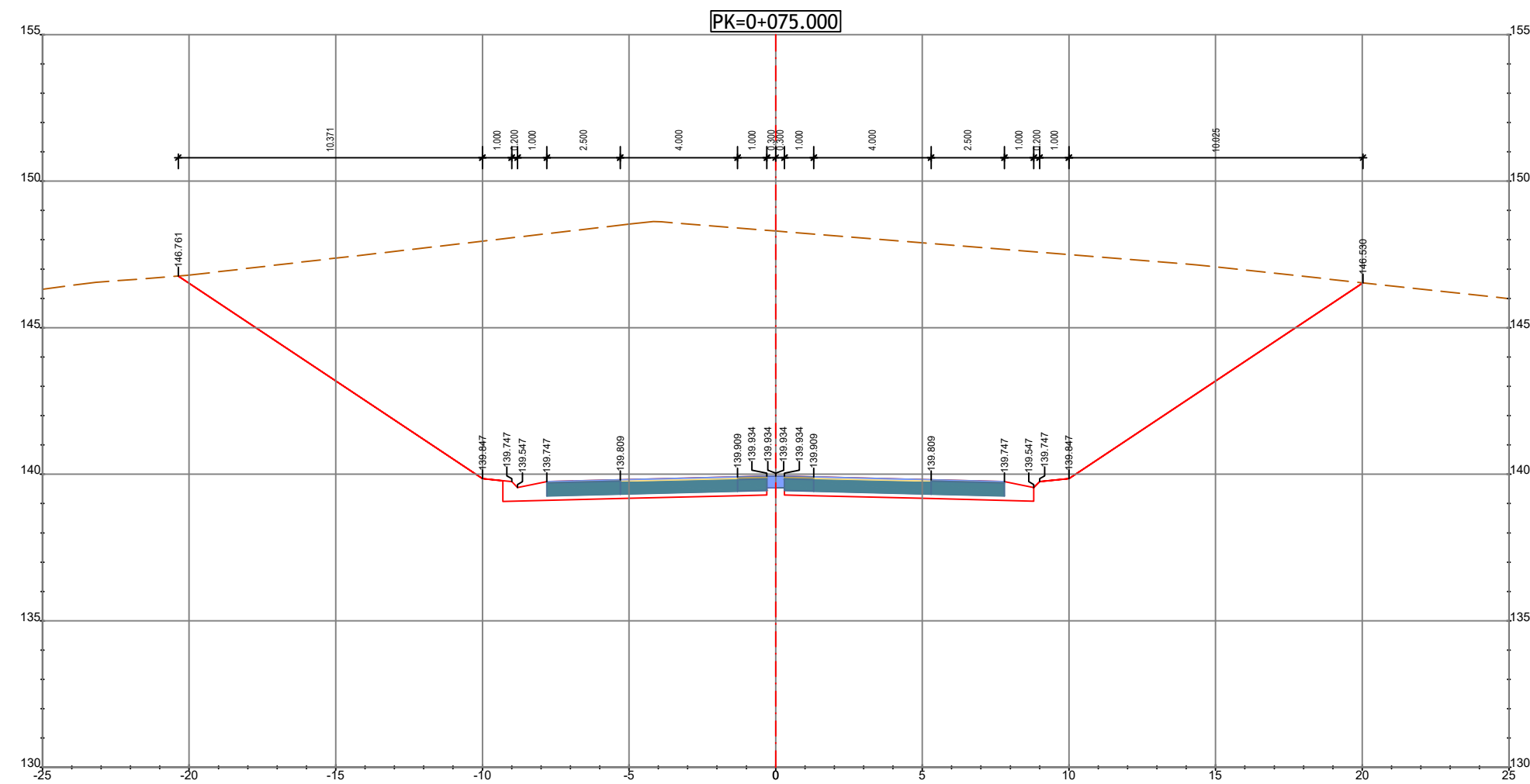
[PK=0+000.000]
[Cotas Deduzidas do Ramo C+D]

ROTUNDA 1

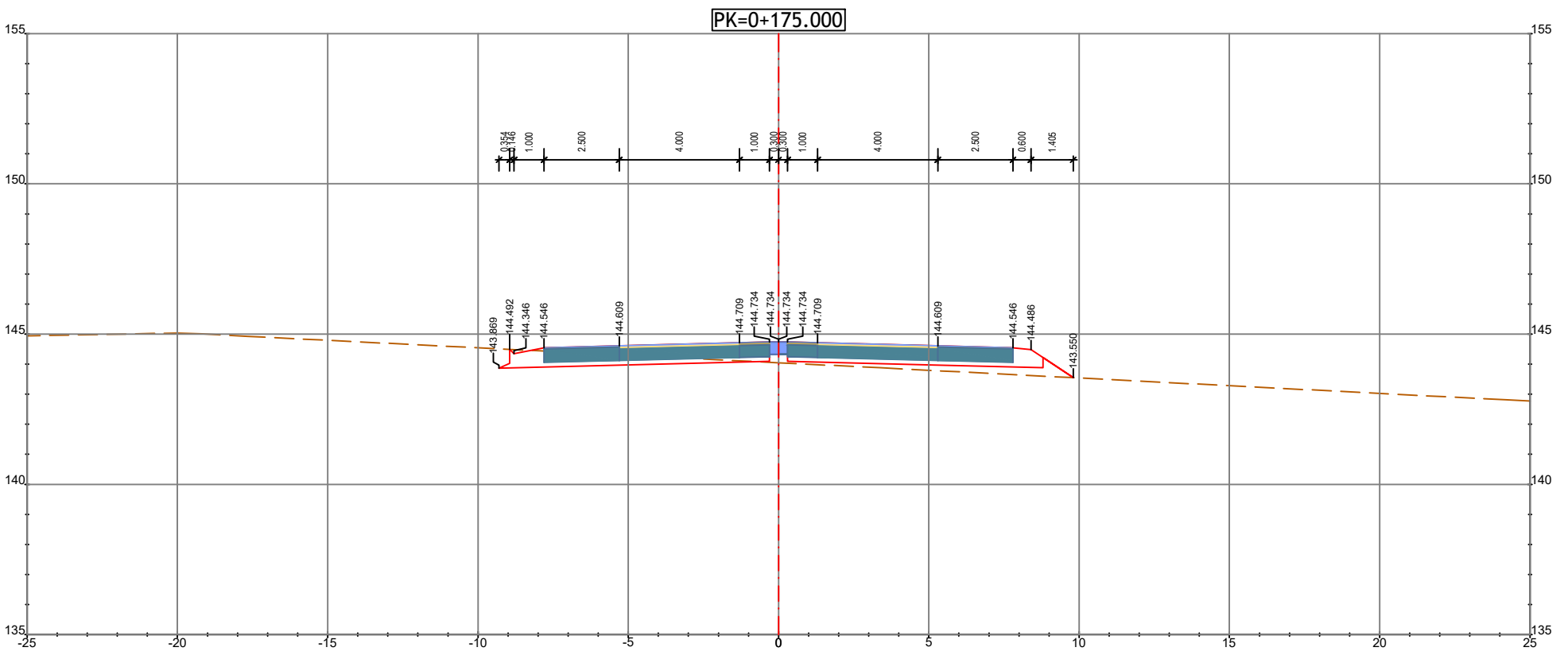
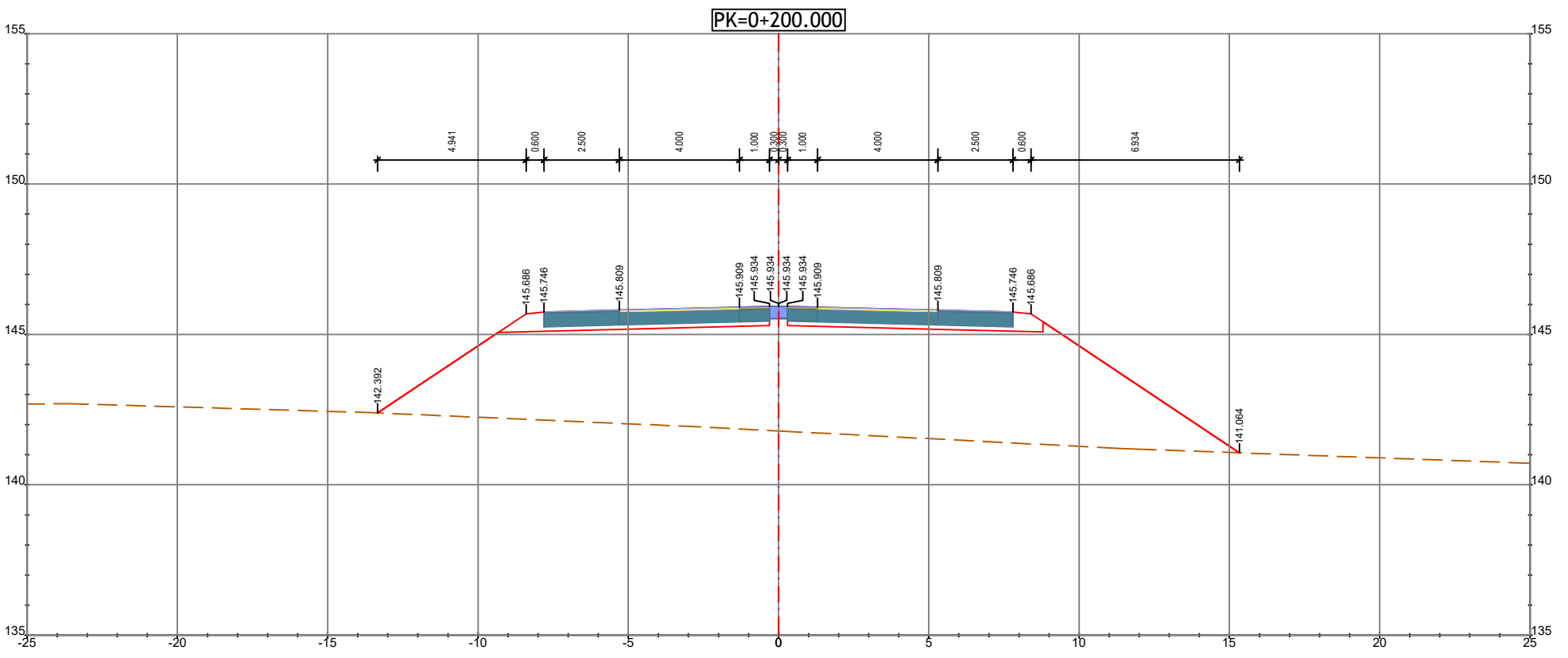
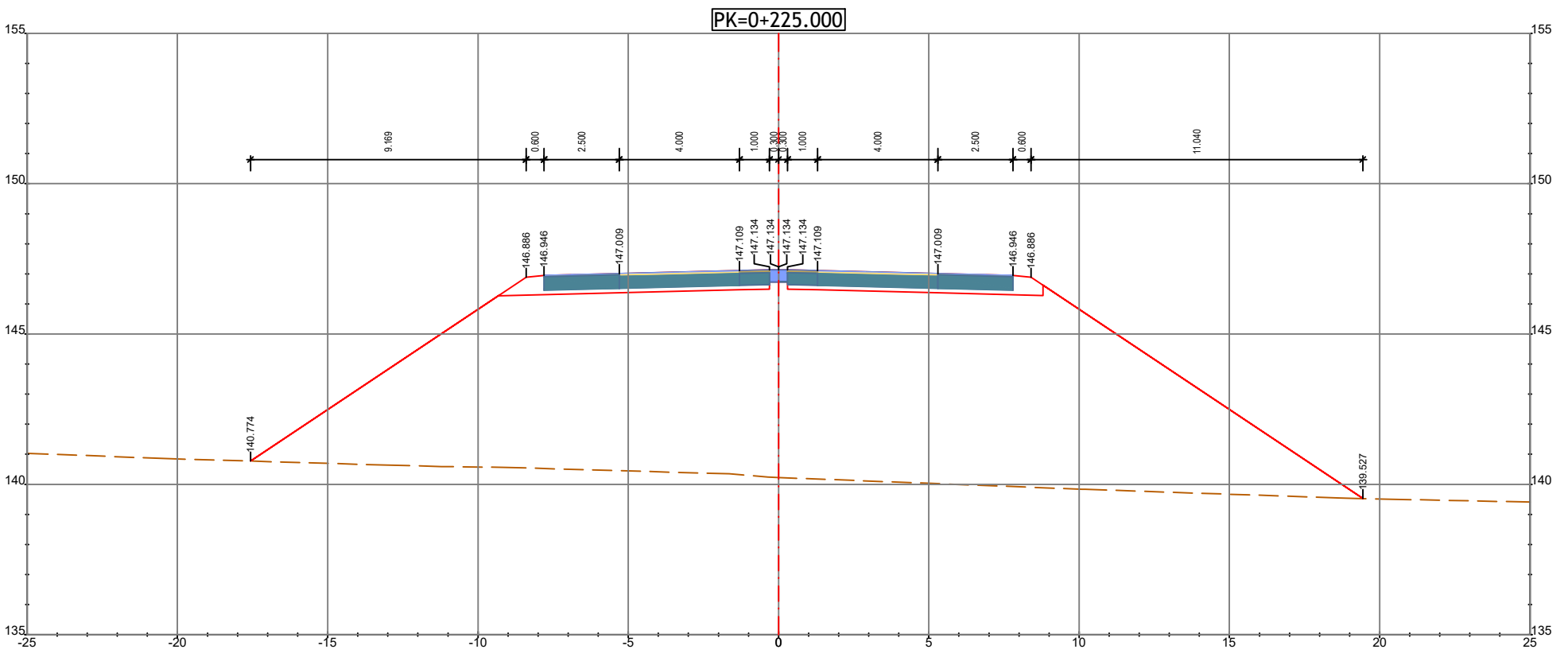
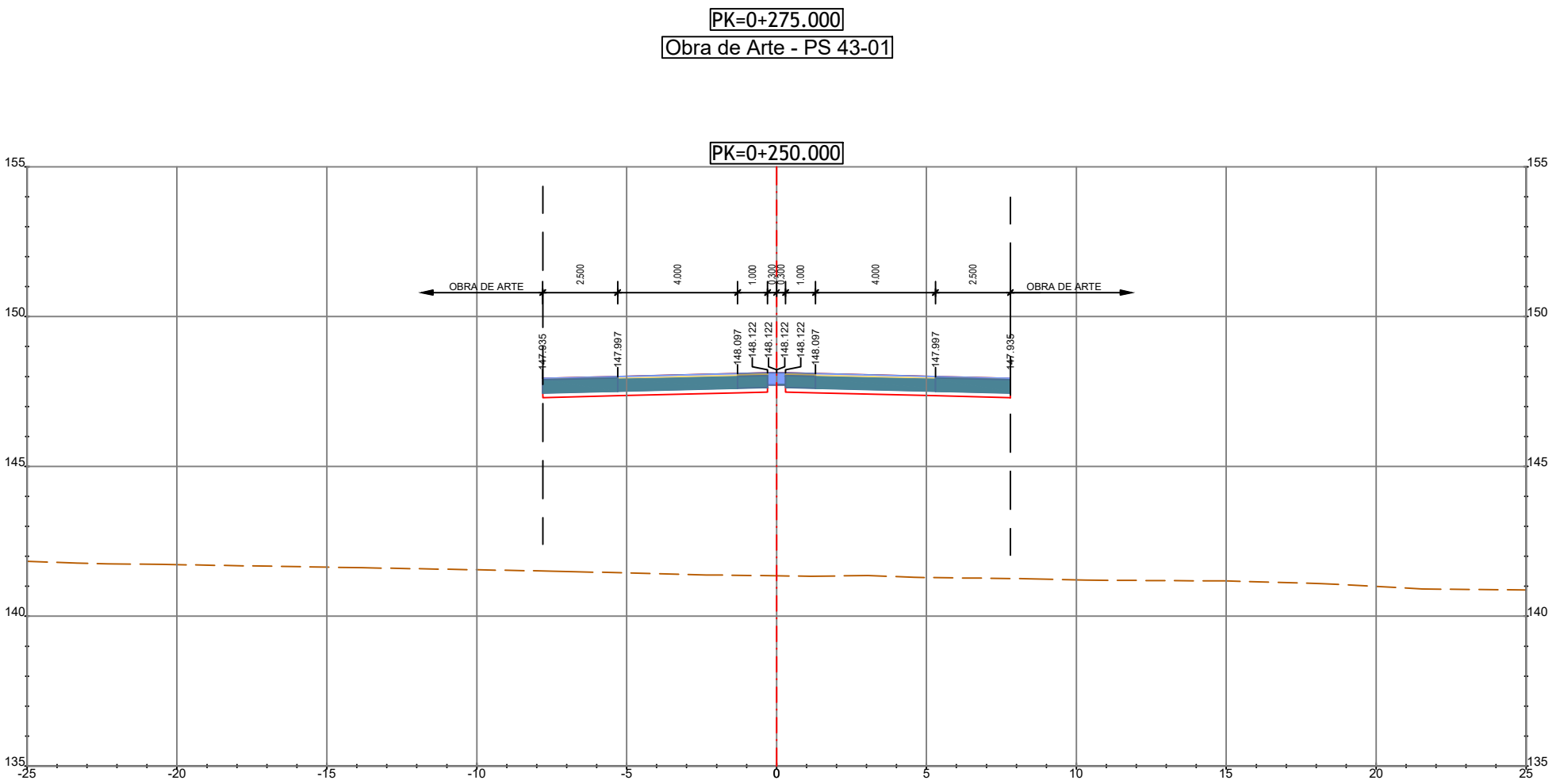
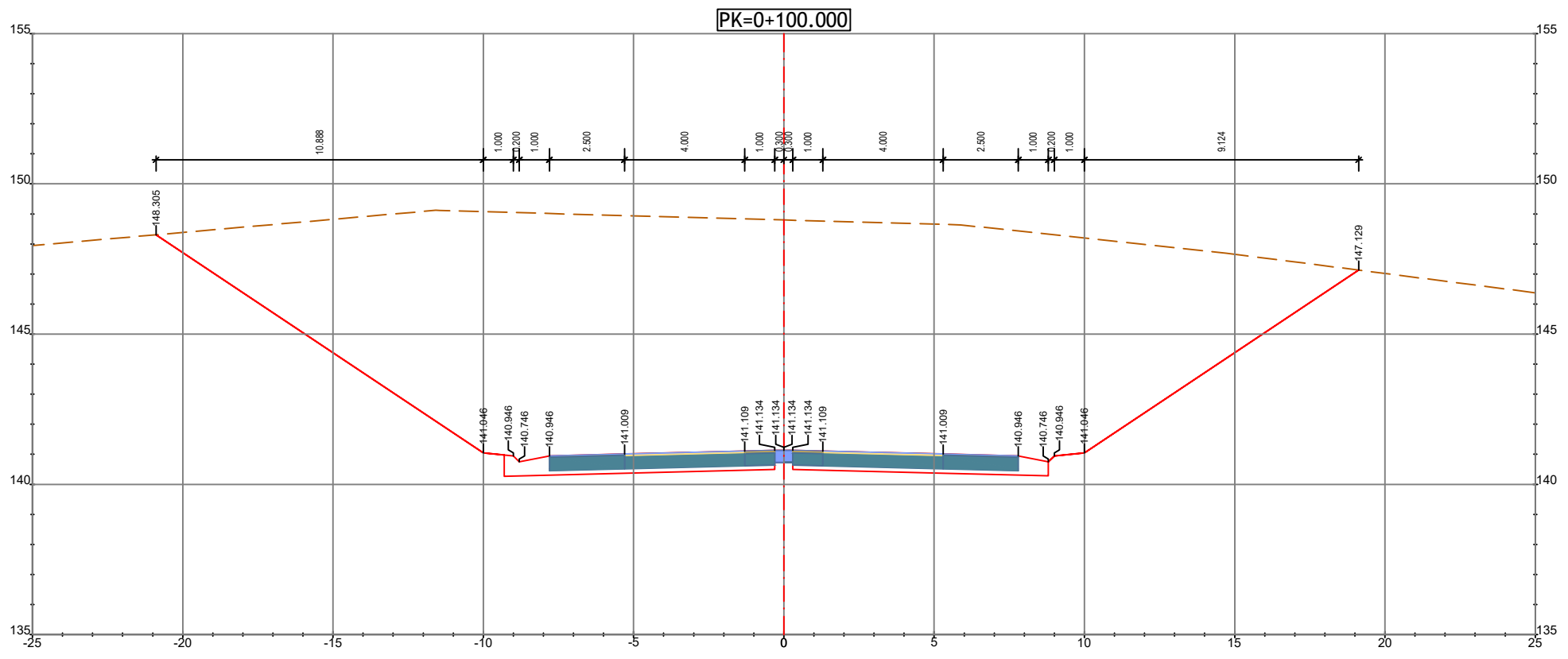
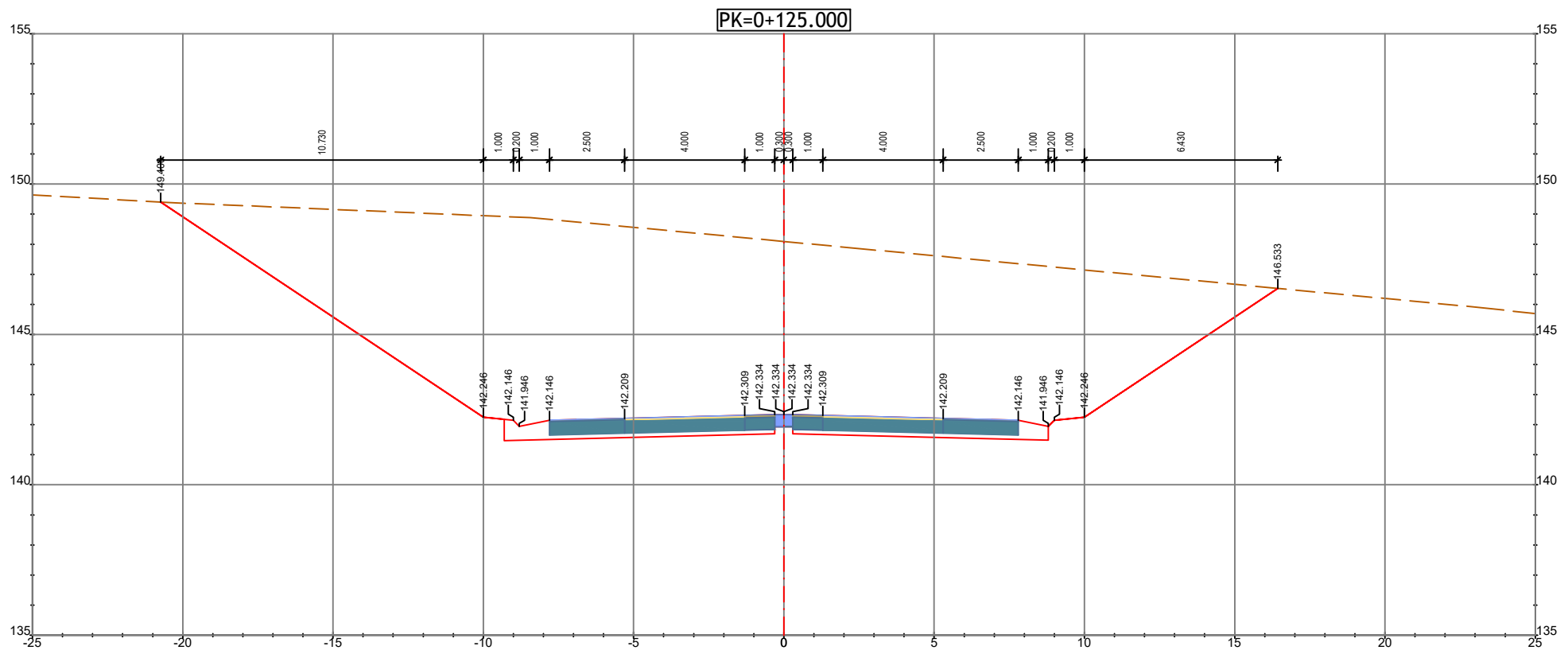
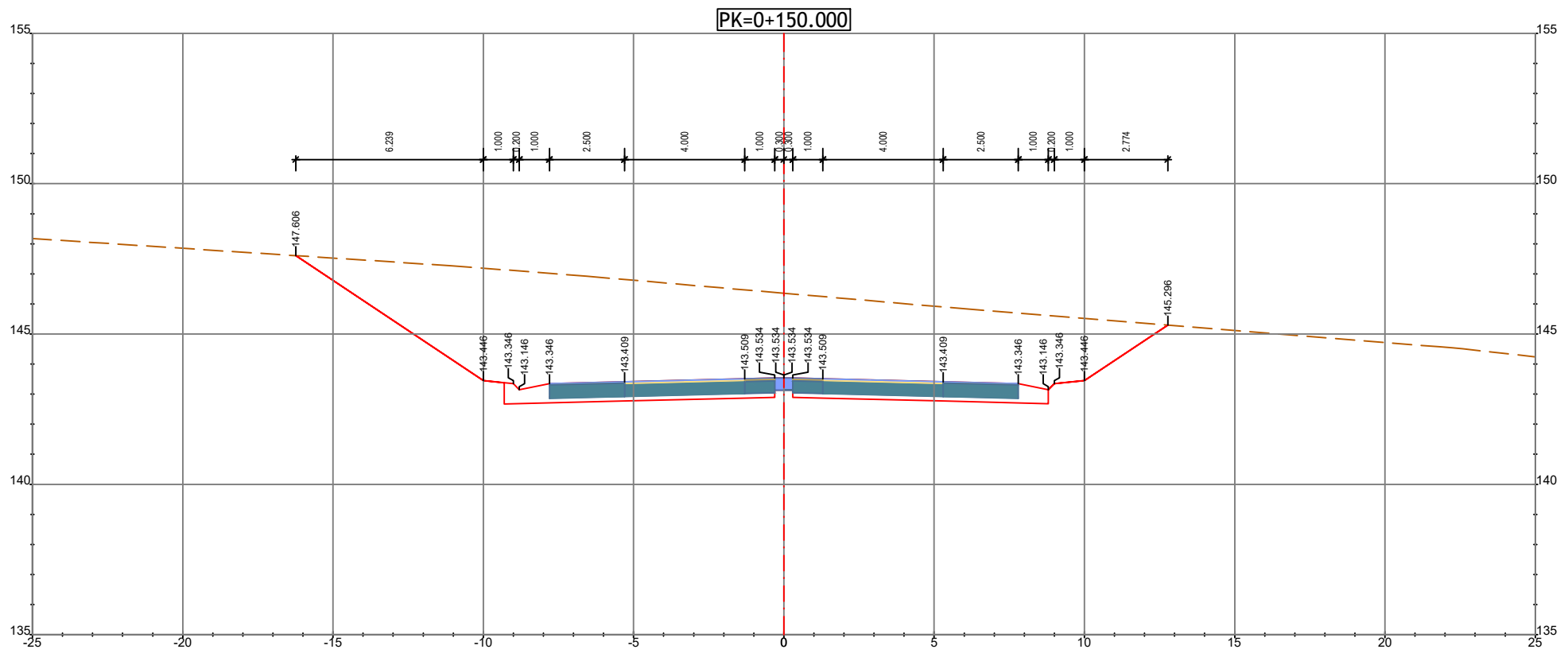


ROTUNDA 2





PK=0+000.000
Cotas Deduzidas da Rotunda 1



PK=0+498.752
Cotas Deduzidas da Rotunda 2

PK=0+475.000

PK=0+450.000

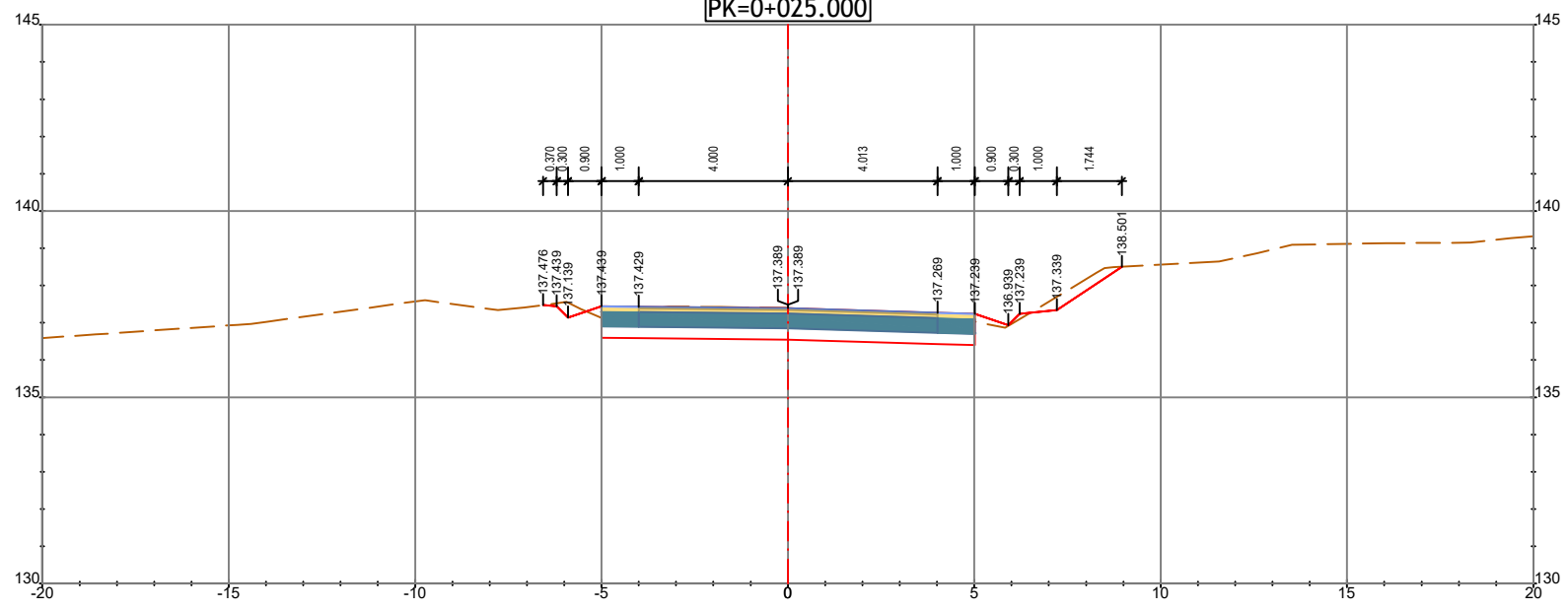
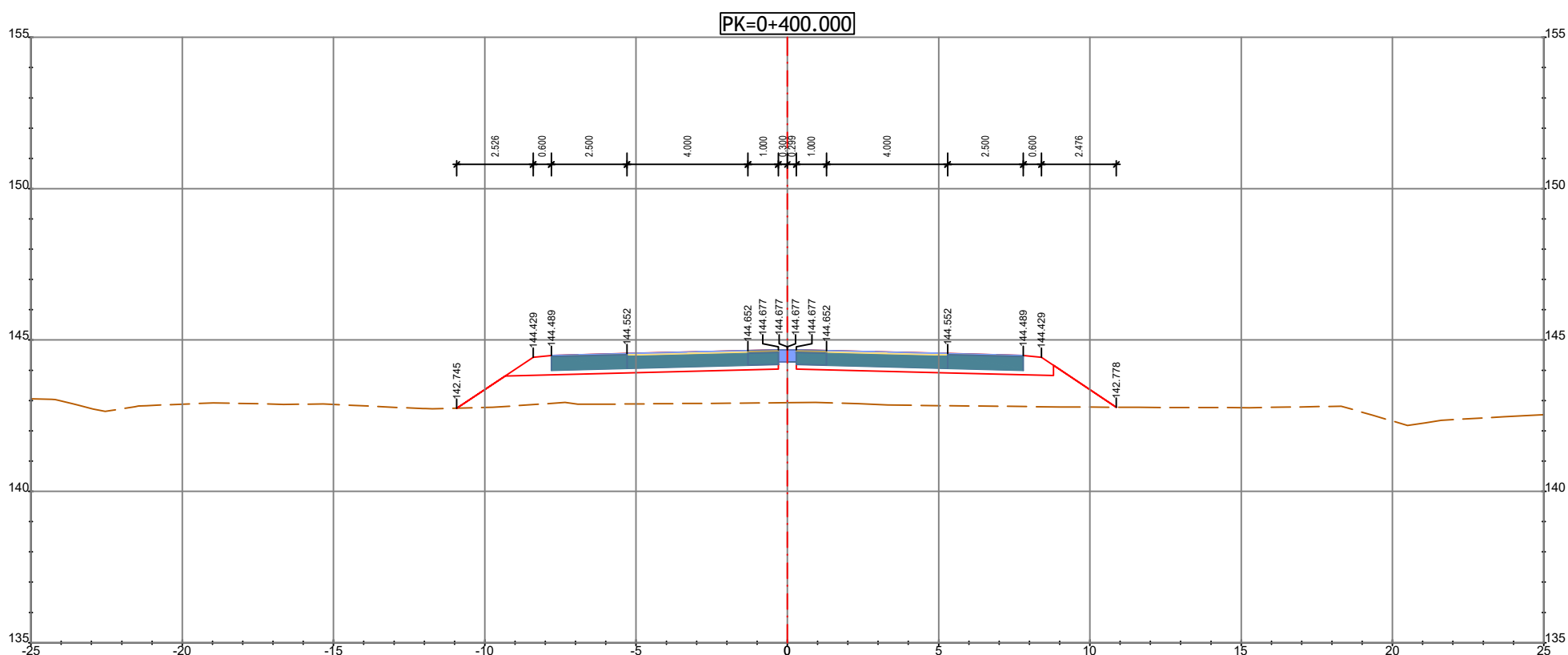
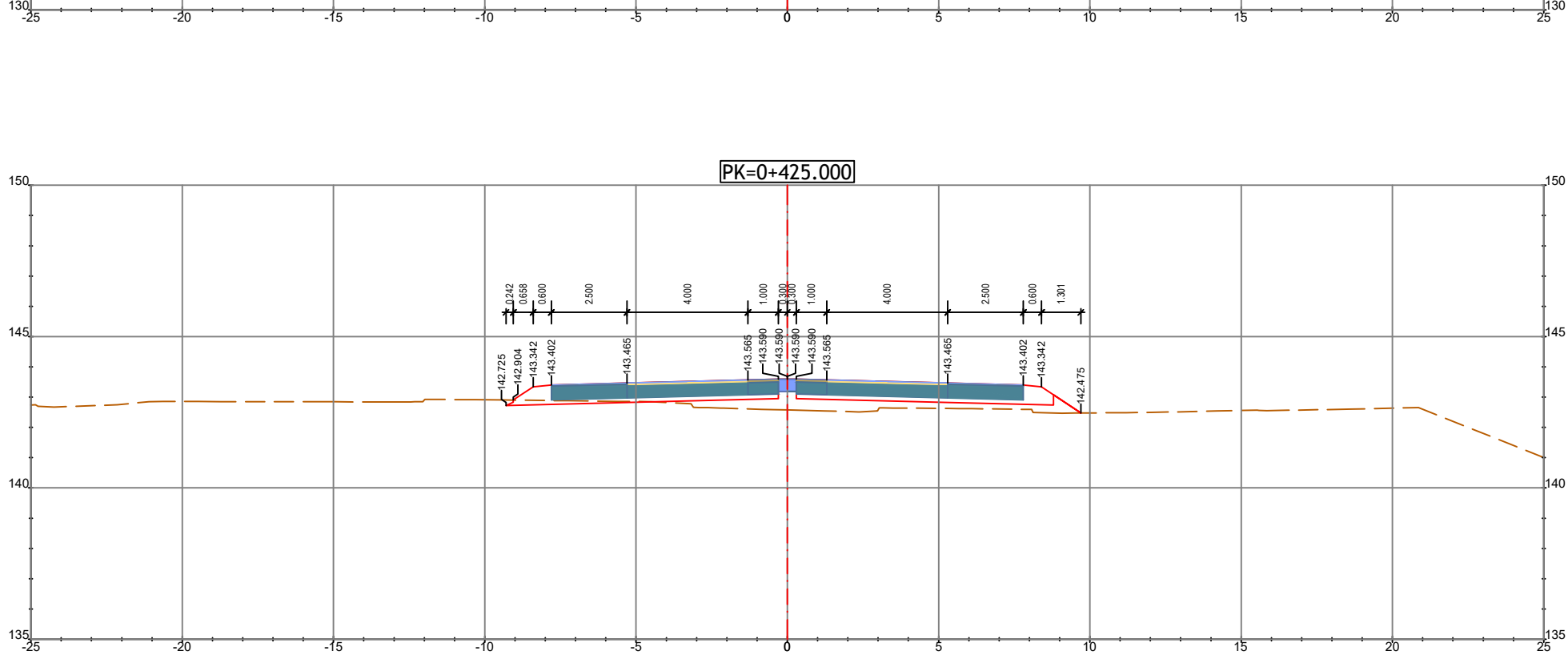
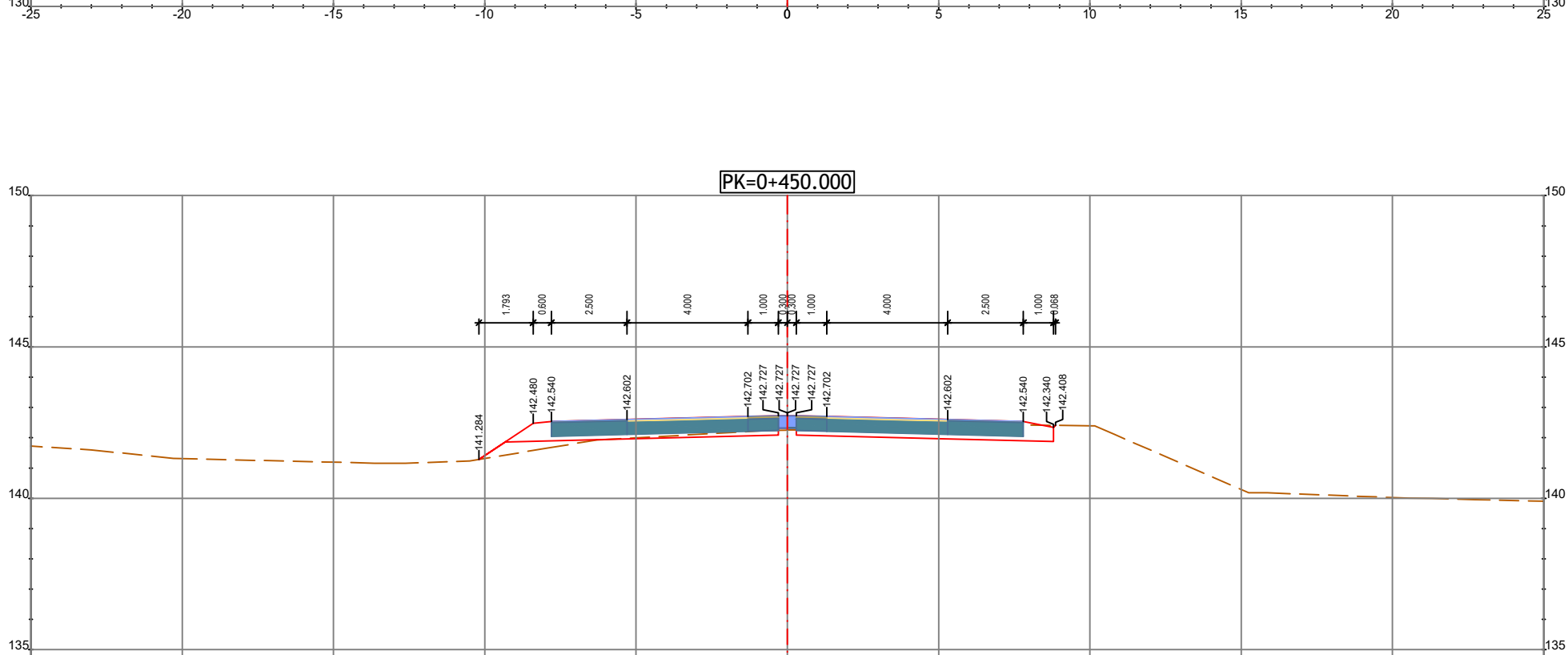
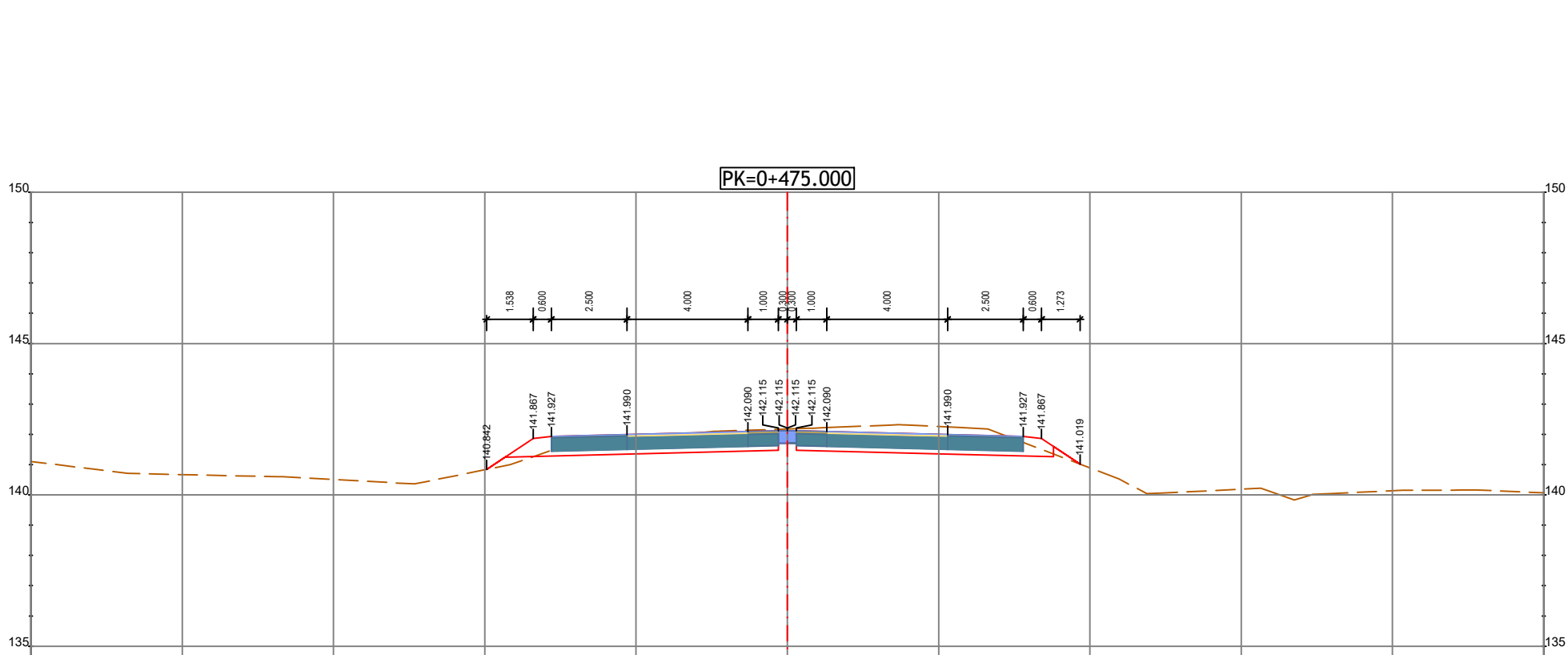
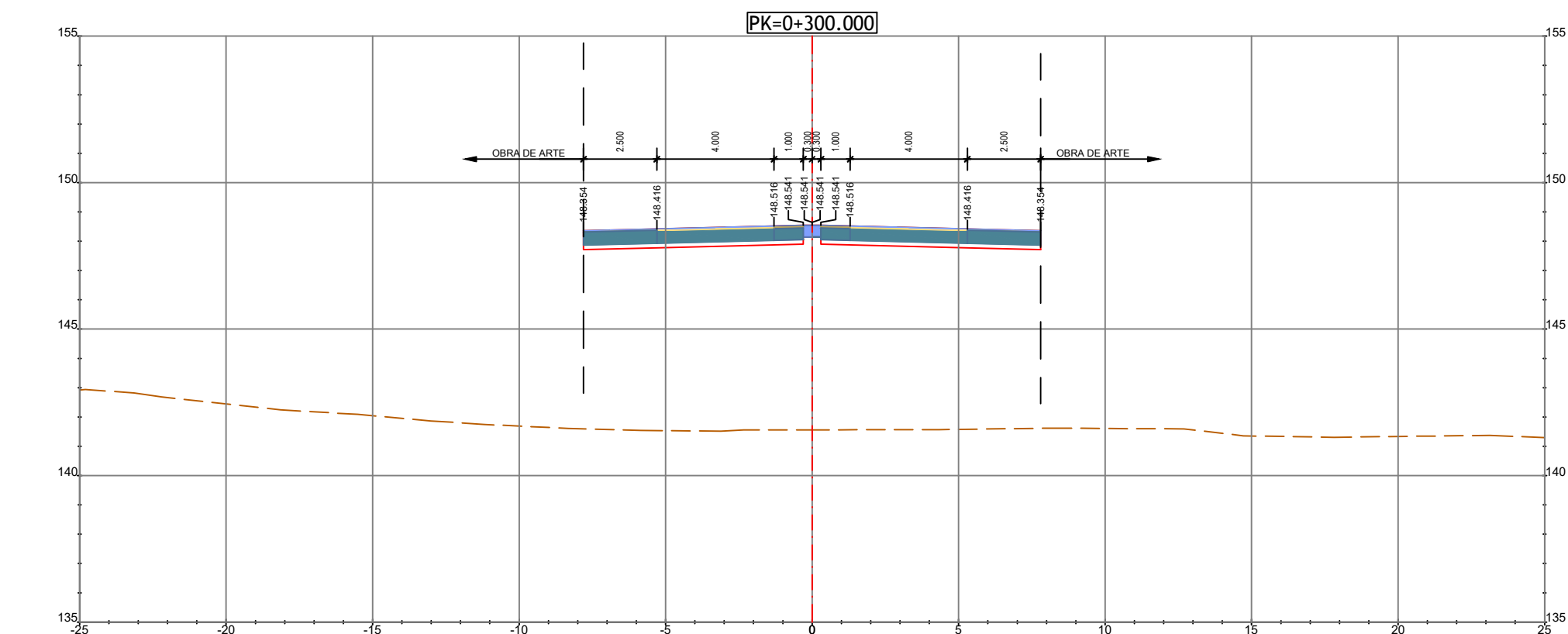
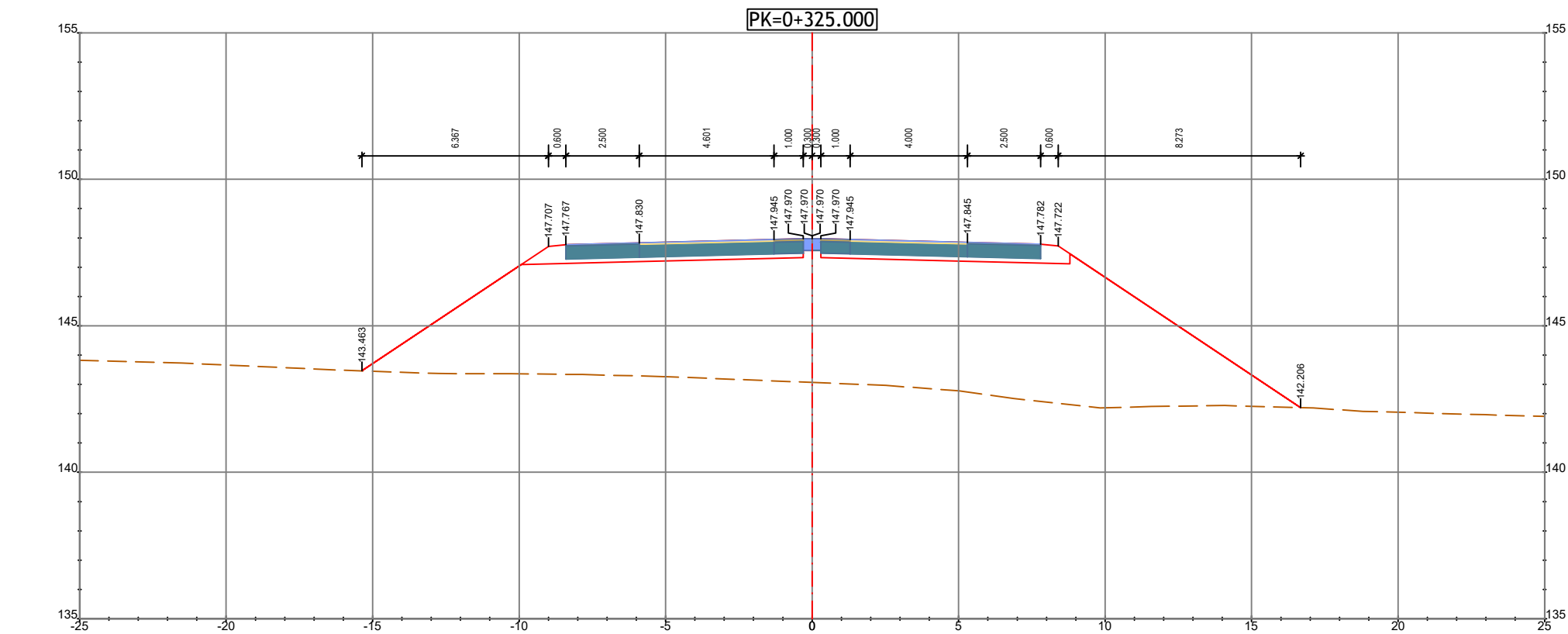
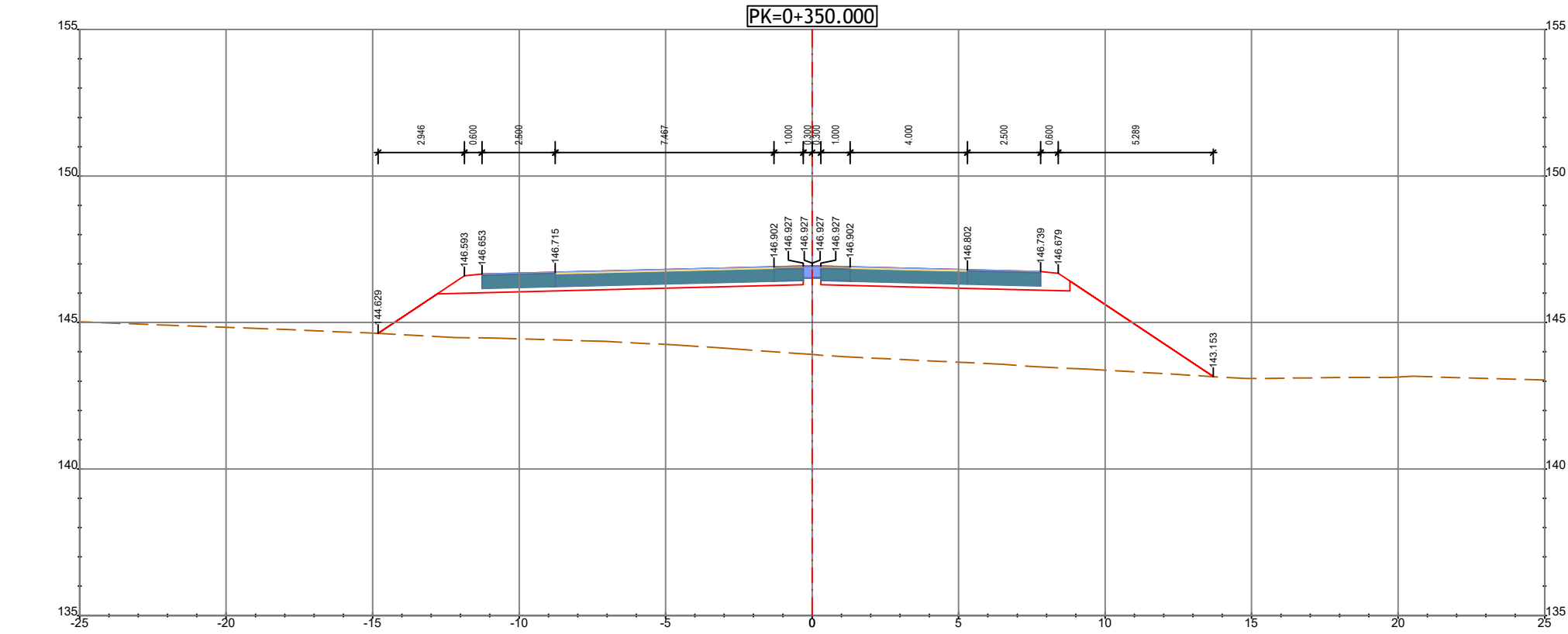
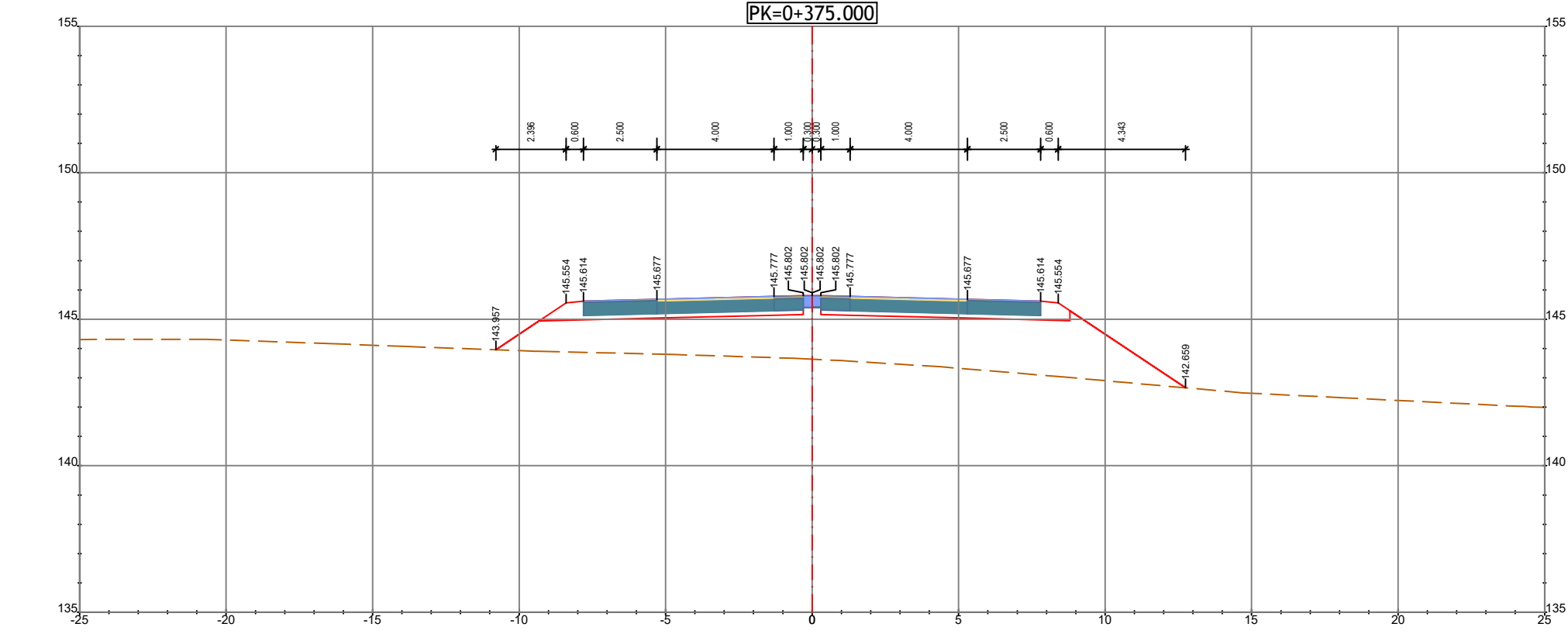
PK=0+425.000

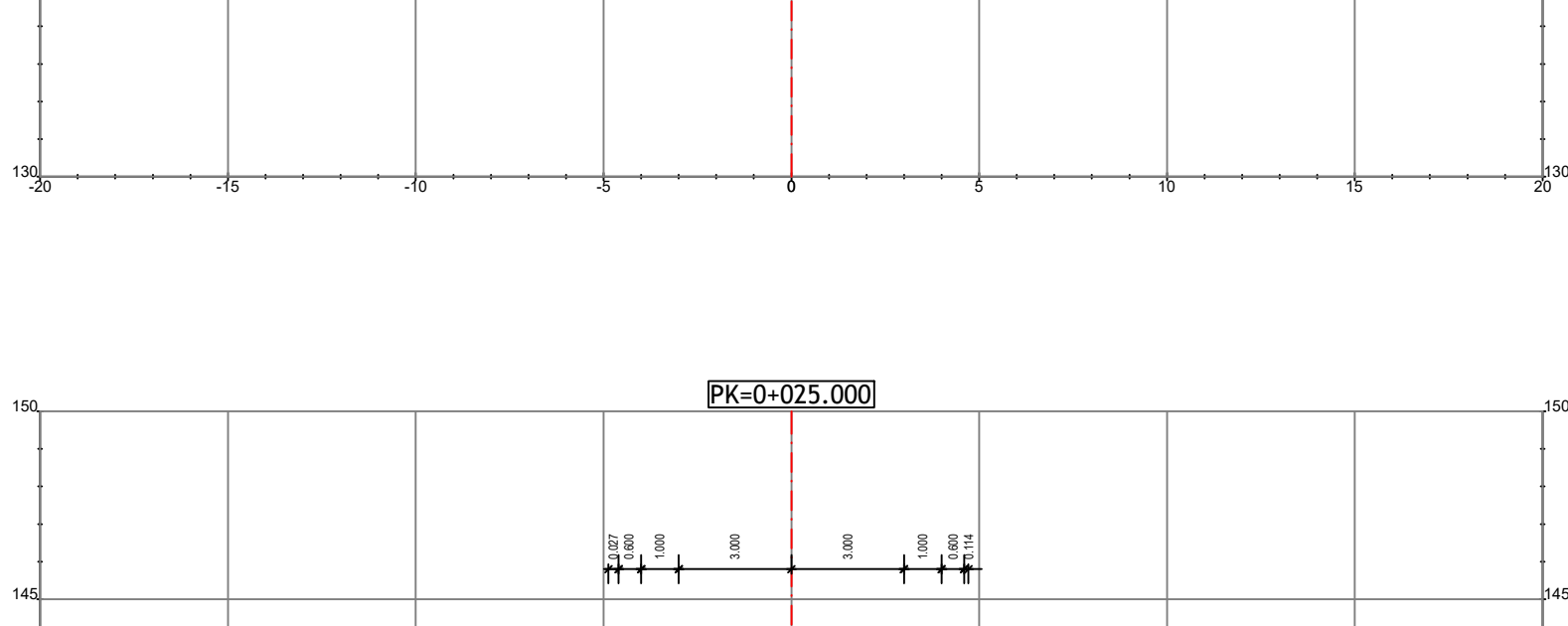
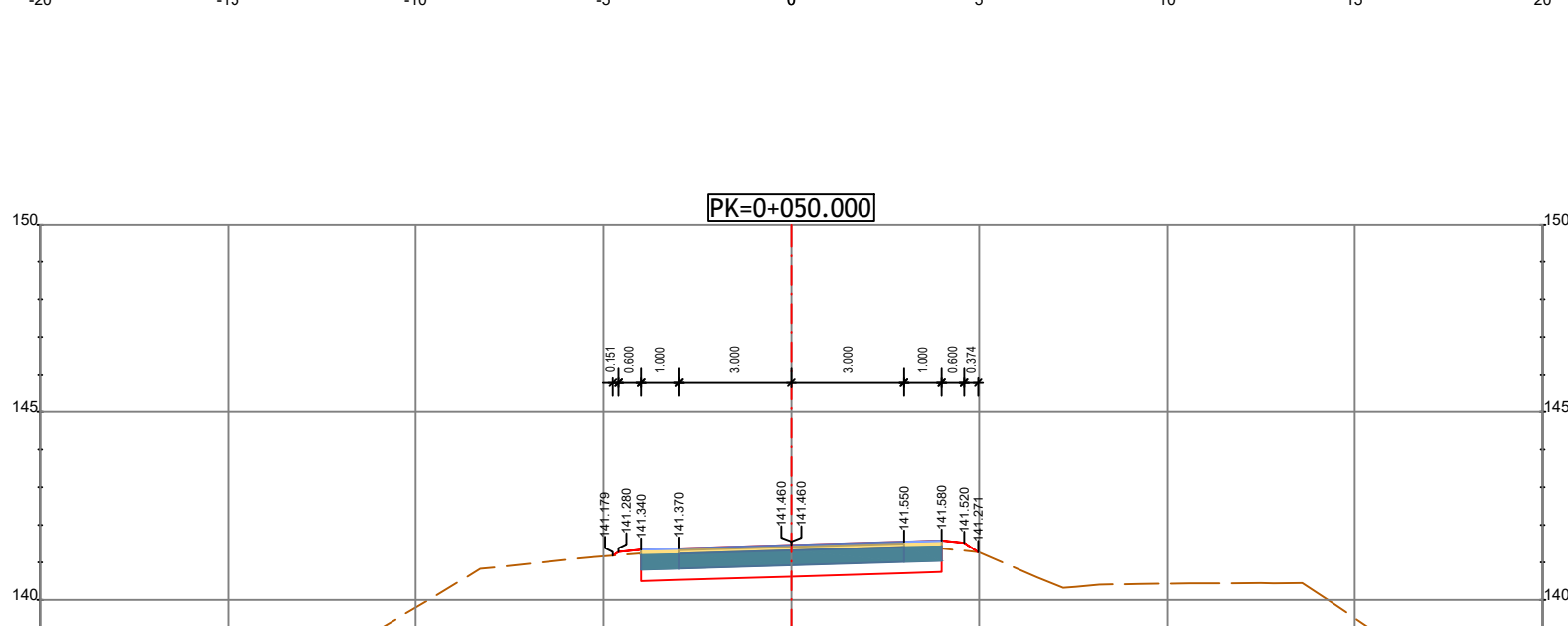
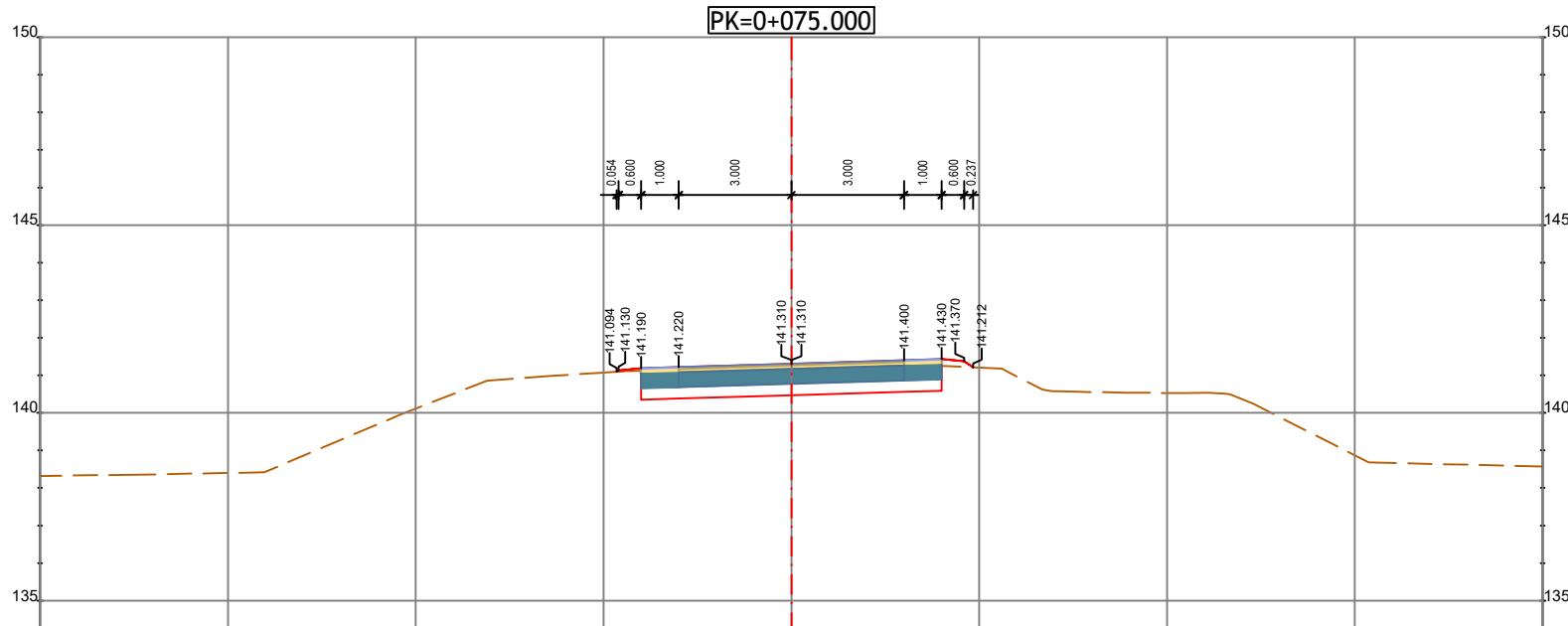
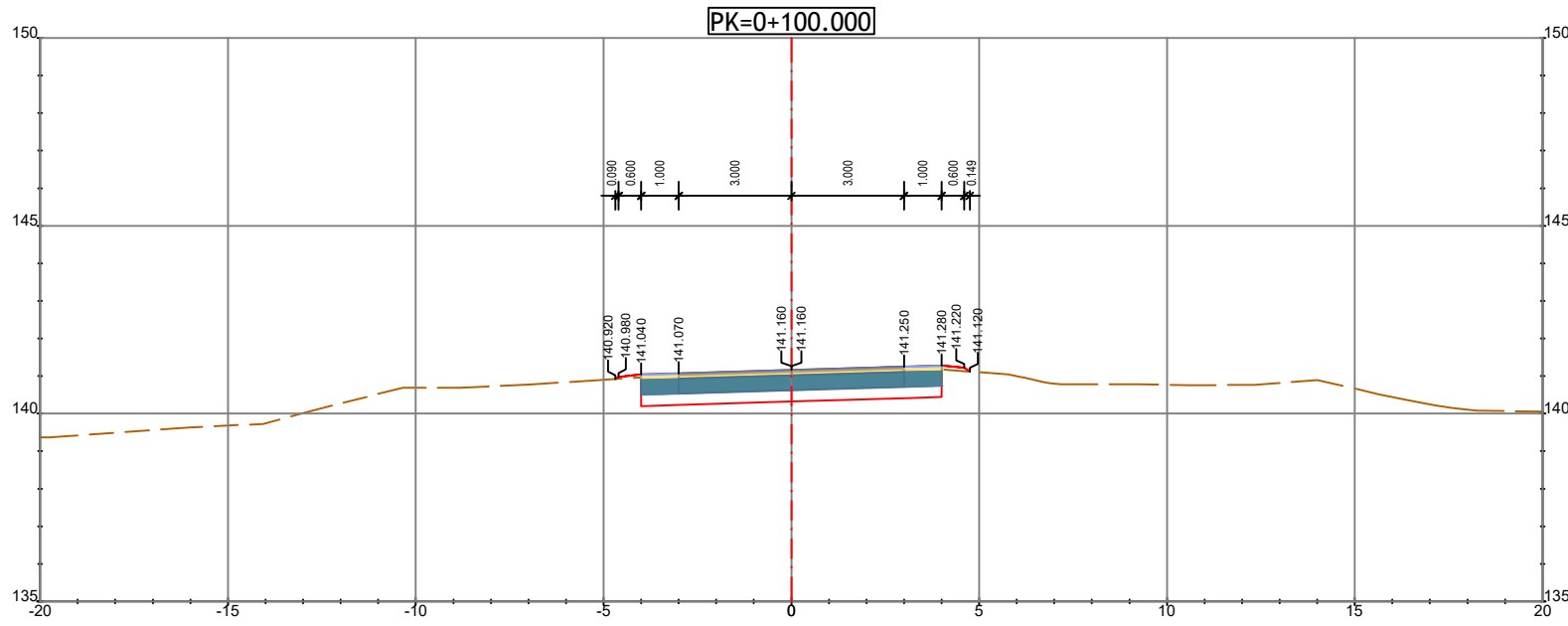
PK=0+400.000

PK=0+035.446
Ligação ao Existente

PK=0+025.000

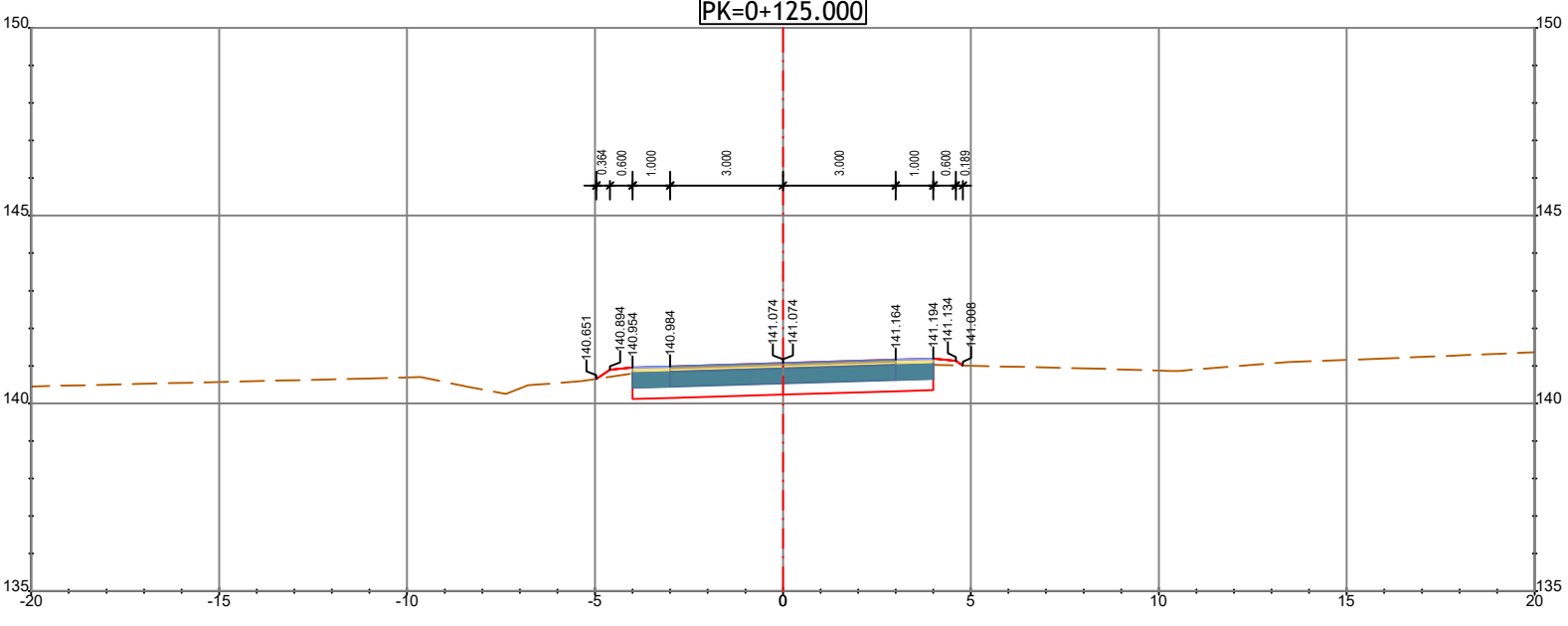
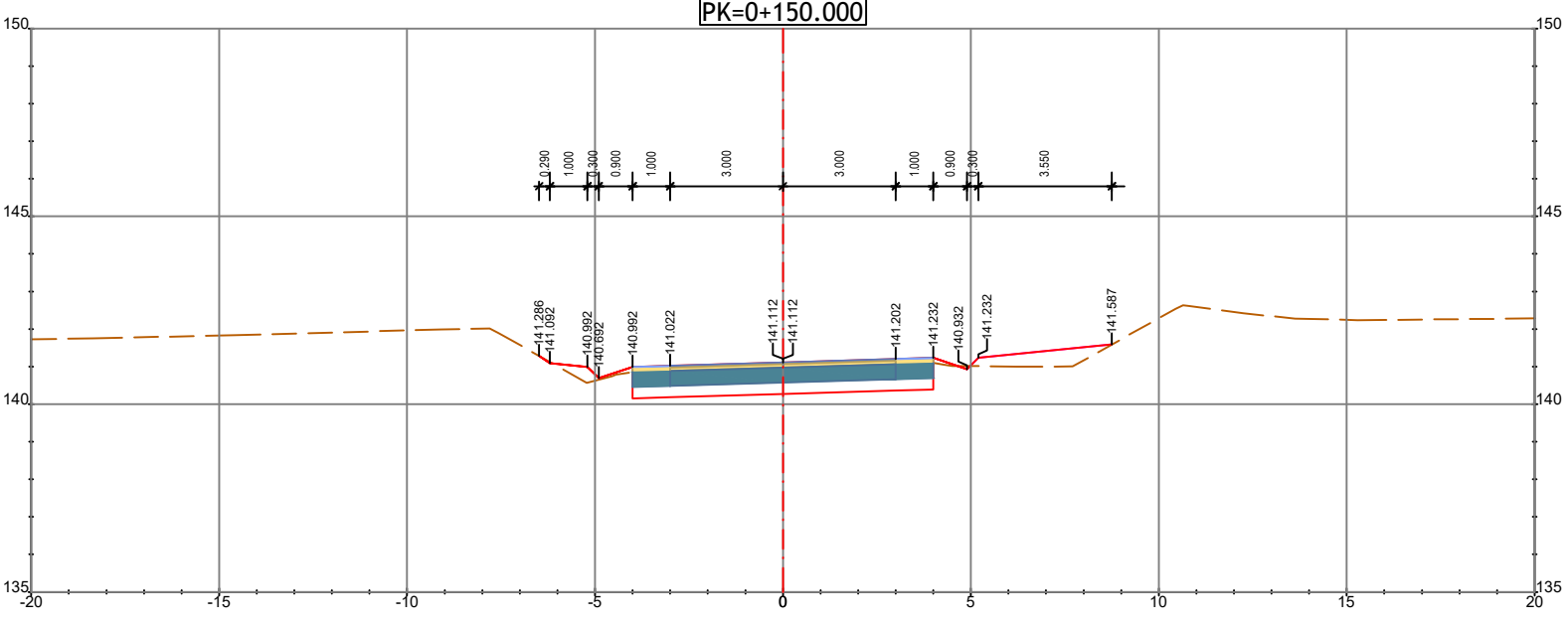
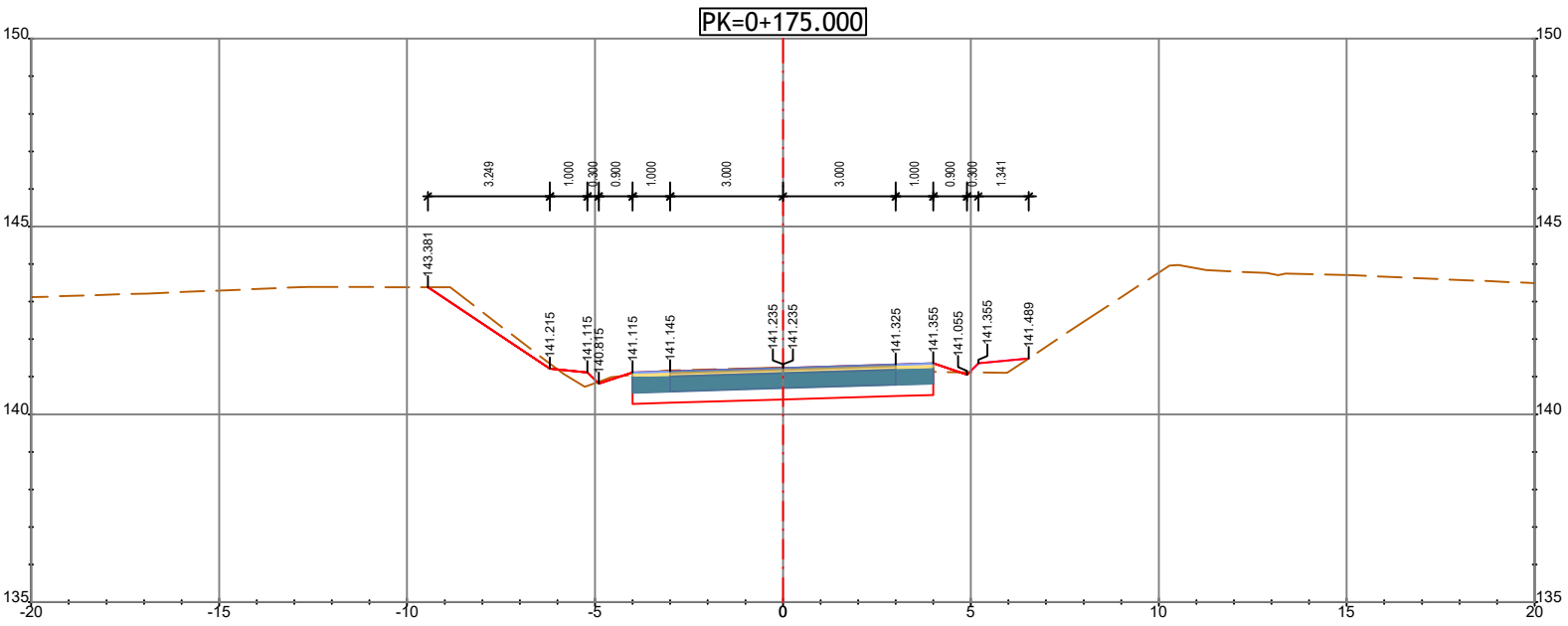
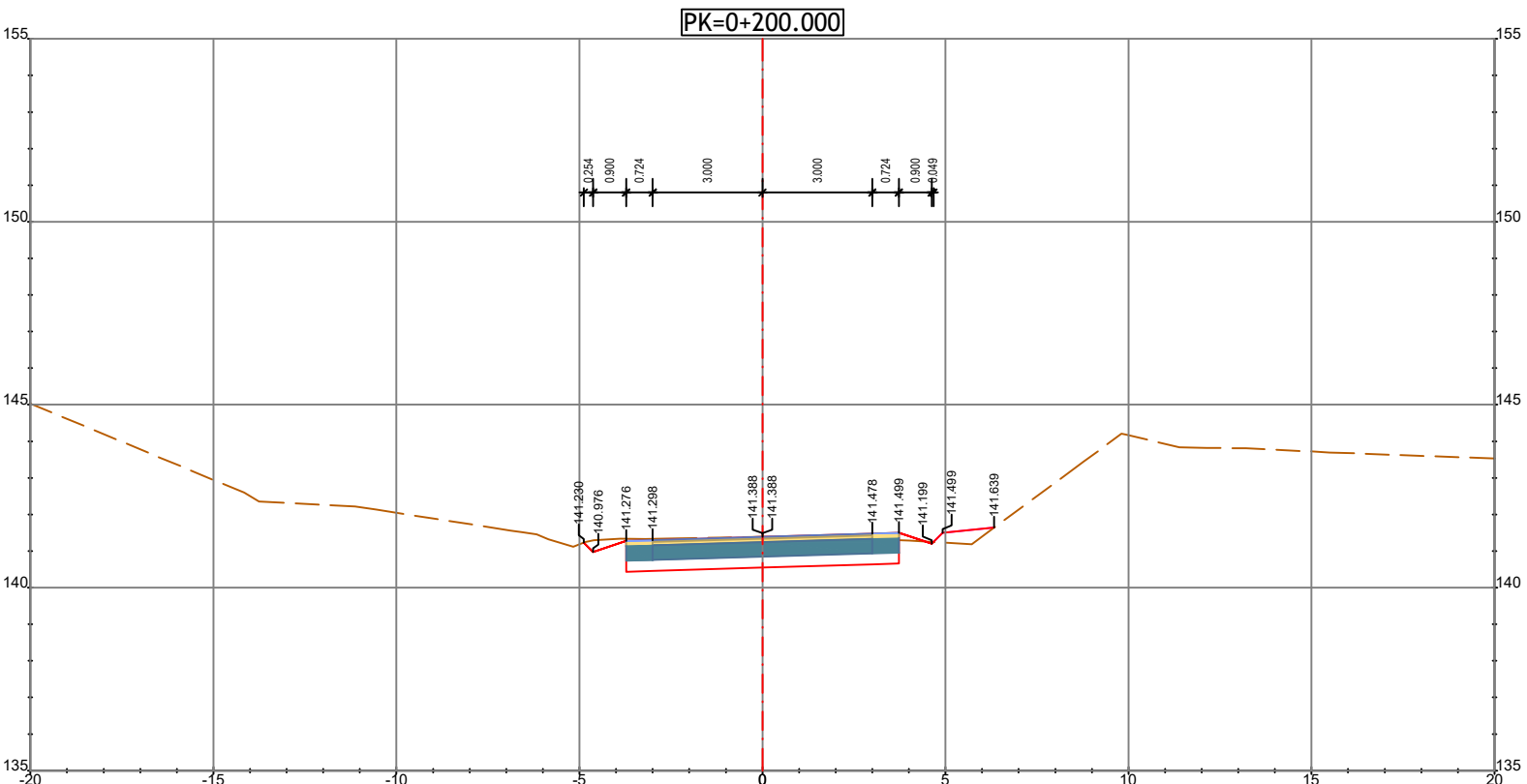
PK=0+000.000
Cotas Deduzidas da Rotunda 1



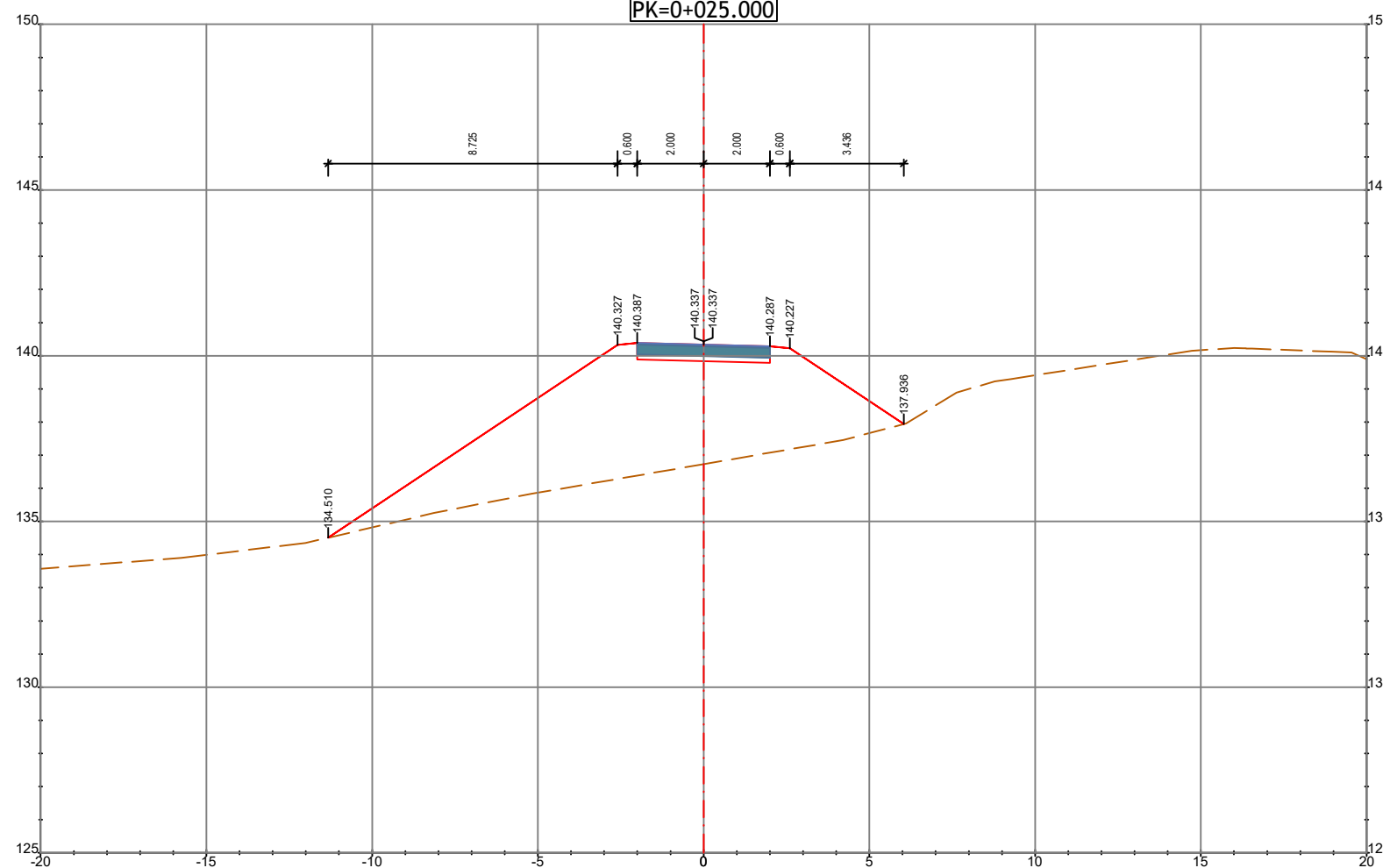
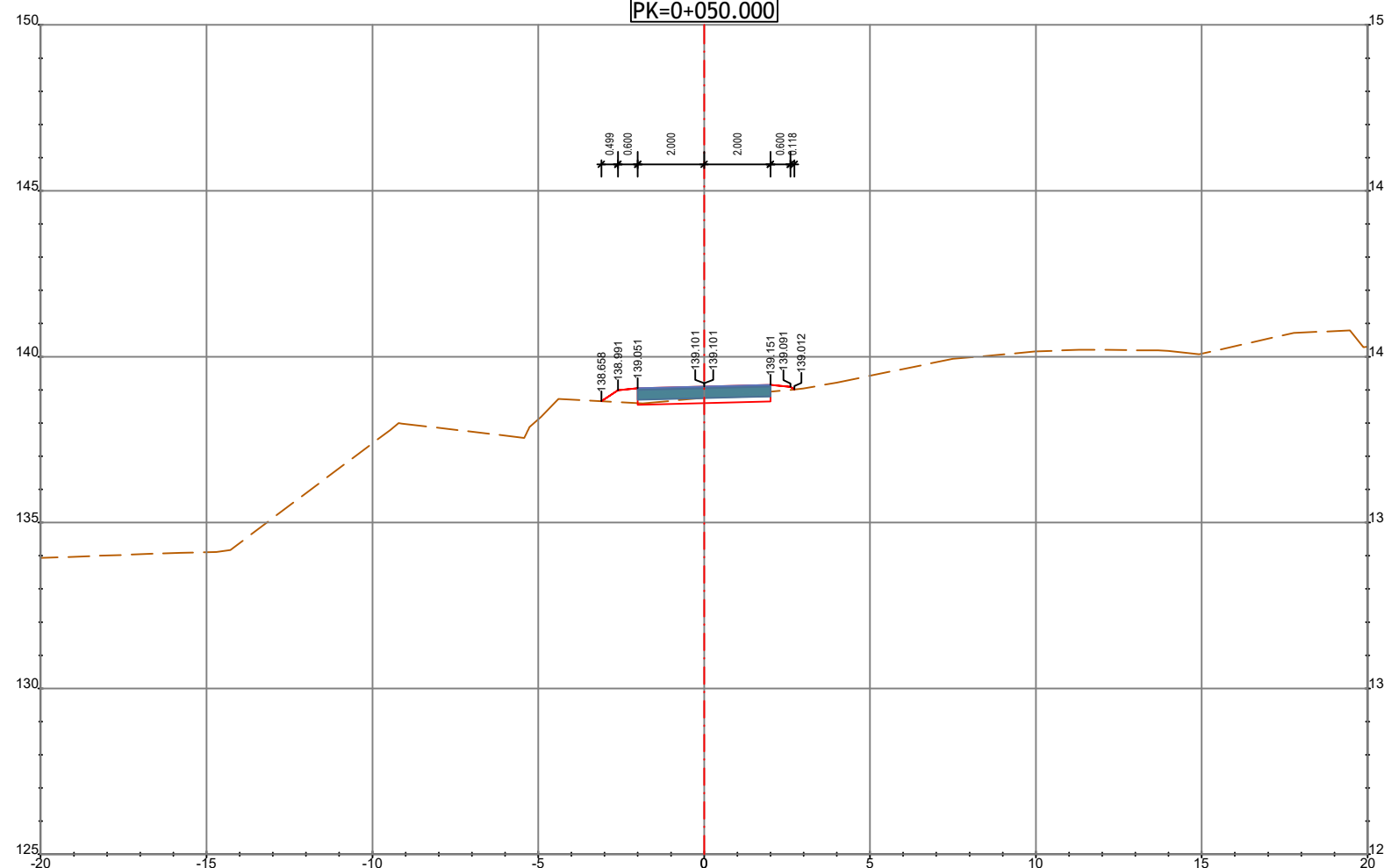
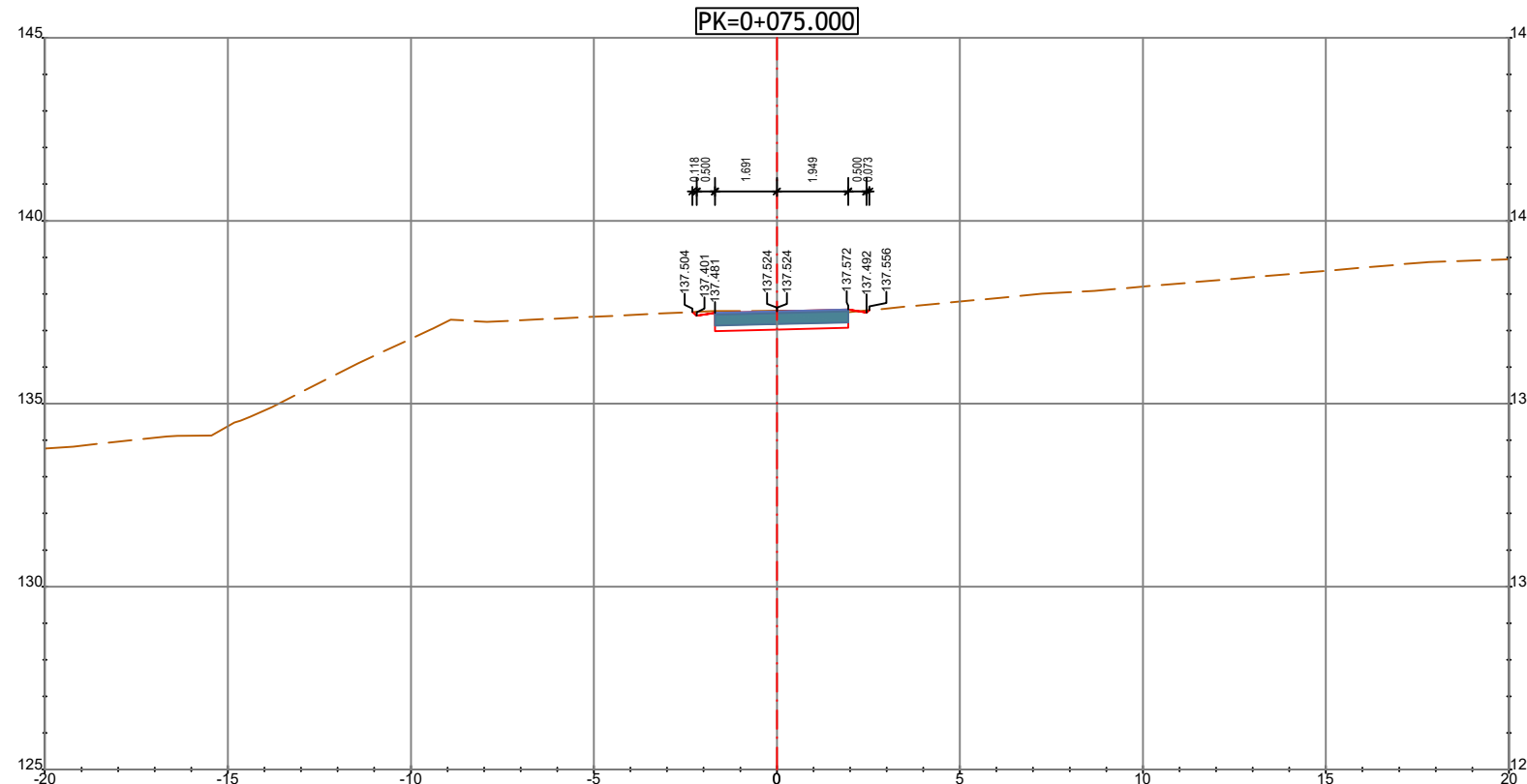


PK=0+000.000
Cotas Deduzidas da Rotunda 2

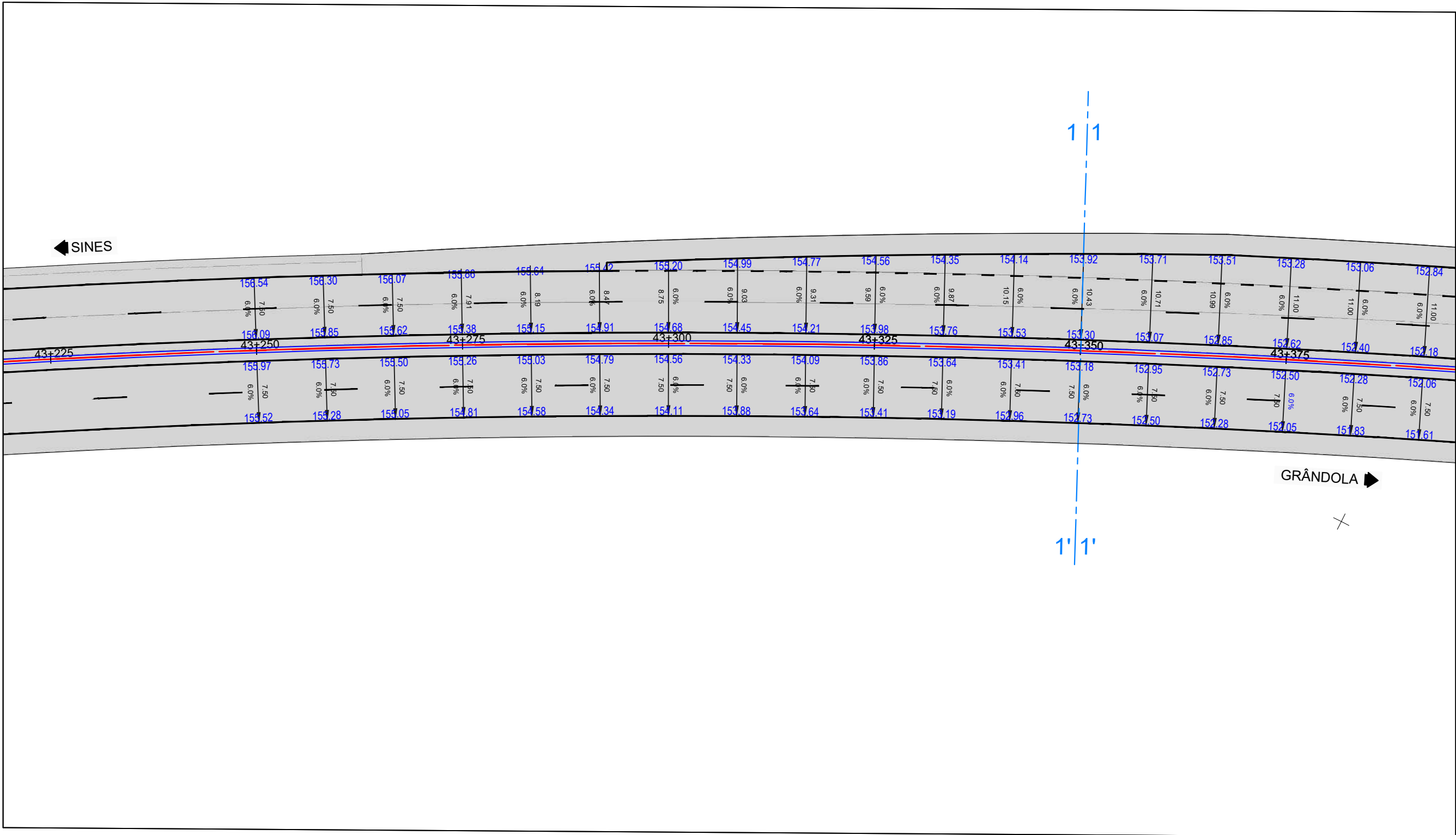
PK=0+207.244
Ligação ao Existente



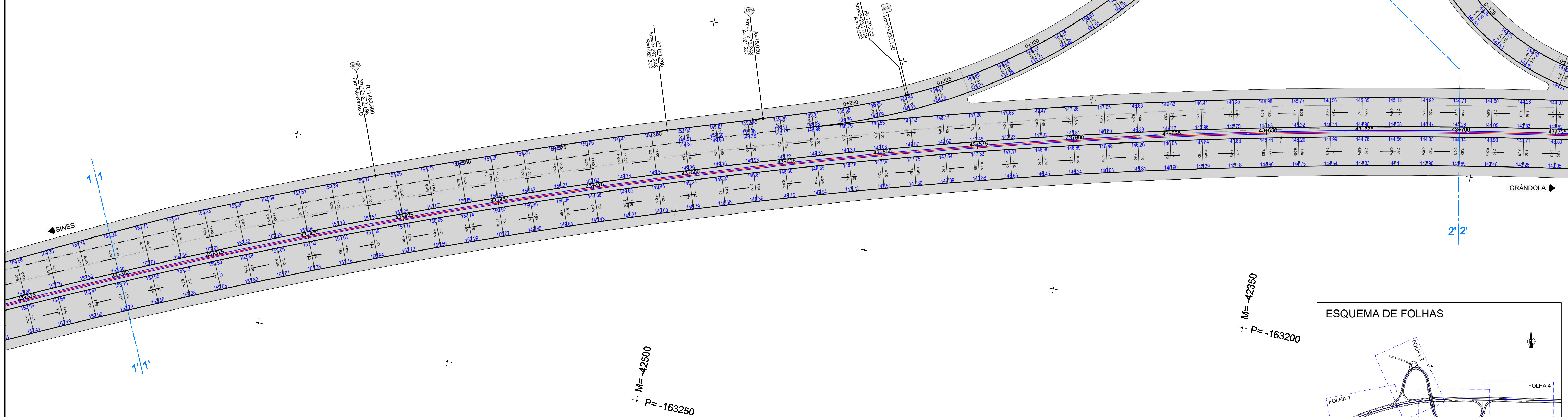
PK=0+079.635
Ligação ao Existente



PK=0+000.000
Cotas Deduzidas da Rotunda 2



M= -42600
+ P= -163150

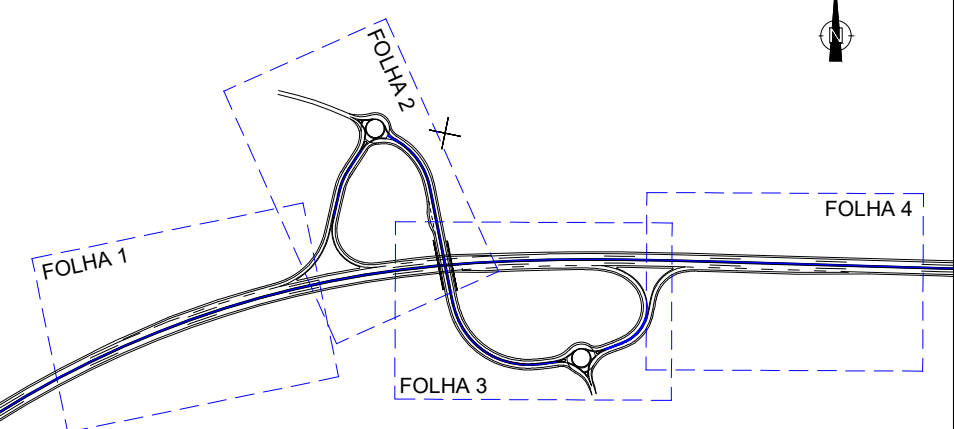


M= -42500
+ P= -163250

M= -42400
+ P= -163050

M= -42350
+ P= -163200

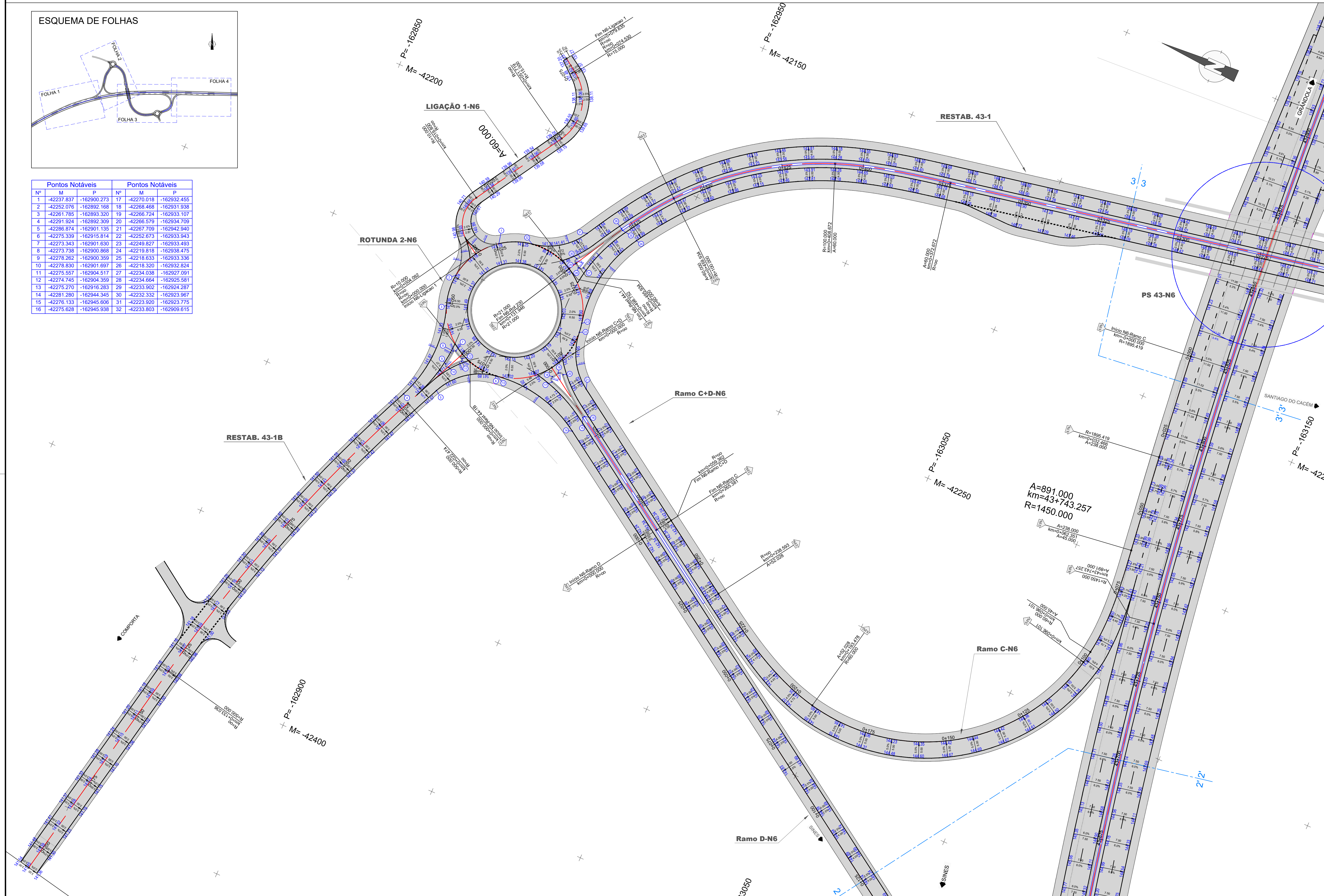
ESQUEMA DE FOLHAS

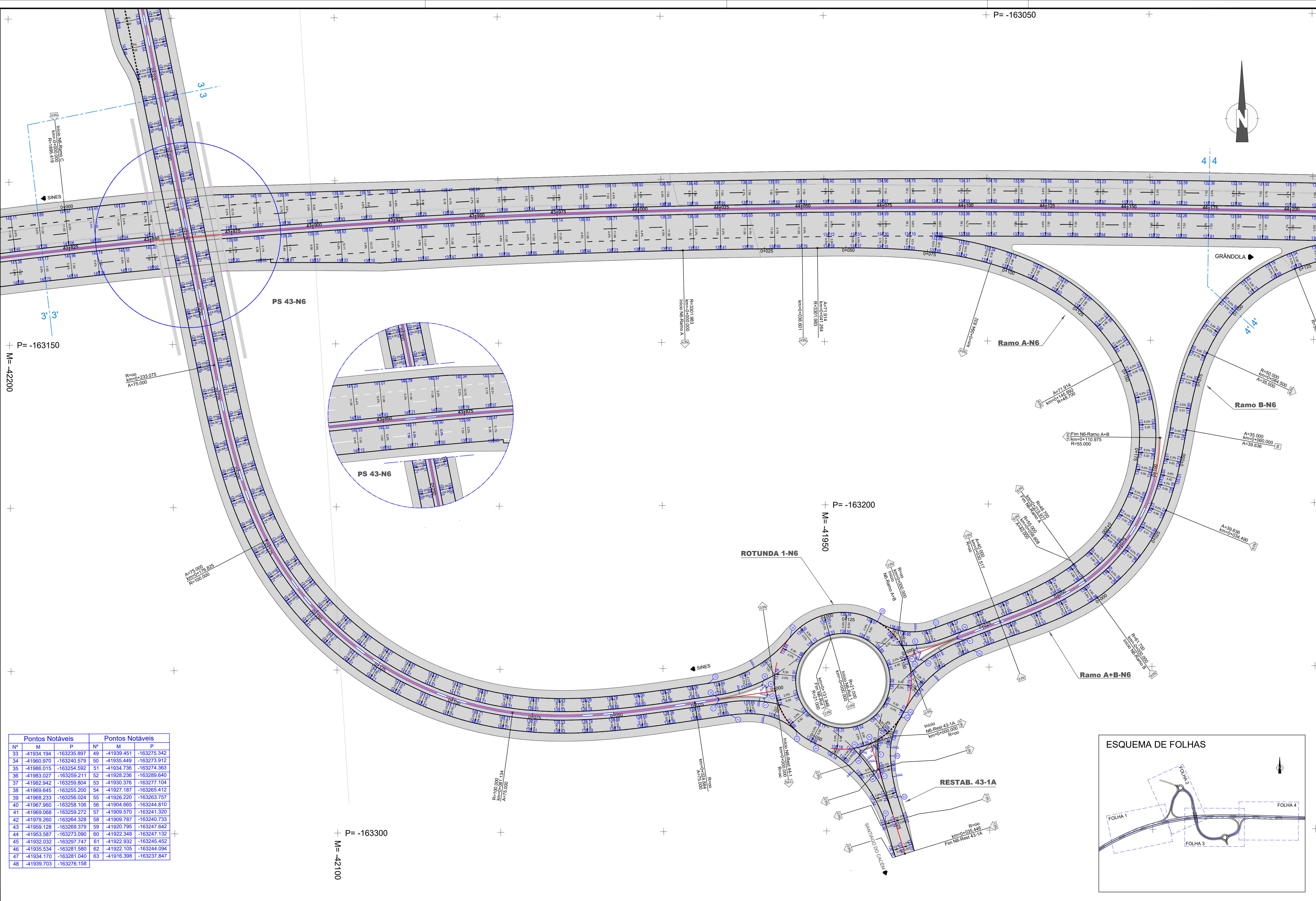


ESQUEMA DE FOLHAS

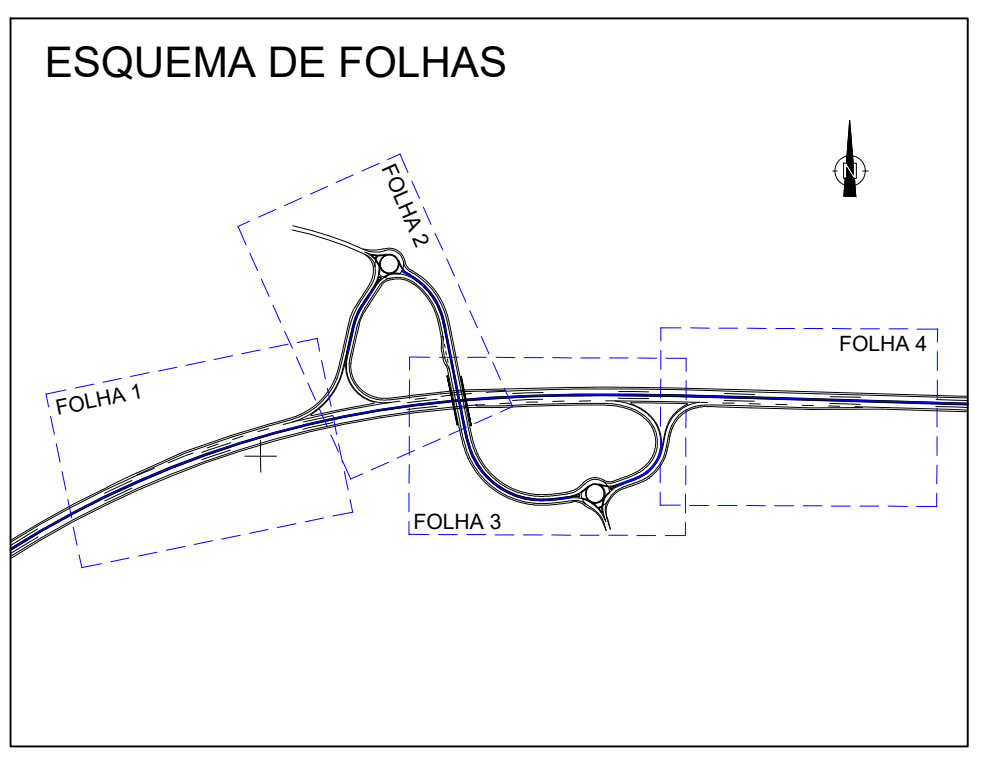
O diagrama ilustra a estrutura de uma folha composta com quatro folíolos. Os folíolos são rotulados como FOLHA 1, FOLHA 2, FOLHA 3 e FOLHA 4. A nervadura principal é mostrada como uma linha contínua que se ramifica para formar a base de cada folíolo. Setas indicam a direção do crescimento da folha. Um ícone de uma pena e um símbolo de multiplicação (X) estão presentes no diagrama.

Pontos Notaões			Pontos Notaões		
Nº	M	P	Nº	M	P
1	-42237 837	-169029 273	17	-42270 018	-169392 455
2	-42252 076	-169282 168	18	-42268 408	-169391 938
3	-42261 785	-169839 320	19	-42666 724	-169393 107
4	-42391 924	-169282 309	20	-42666 579	-169394 709
5	-42286 874	-169201 135	21	-42667 709	-169294 940
6	-42275 339	-169115 814	22	-42525 673	-169393 943
7	-42273 343	-169160 630	23	-42498 827	-169393 493
8	-42273 738	-169090 868	24	-42199 818	-169396 475
9	-42278 262	-169039 359	25	-42118 633	-169393 336
10	-42278 830	-169011 697	26	-42118 320	-169392 824
11	-42275 557	-169054 517	27	-42334 038	-169297 091
12	-42274 745	-169034 359	28	-42334 664	-169295 581
13	-42275 270	-16916 283	29	-42393 902	-169294 287
14	-42281 280	-169244 345	30	-42232 332	-169293 967
15	-42276 133	-169245 606	31	-42233 920	-169293 775
16	-42275 628	-169245 938	32	-42233 803	-169290 615

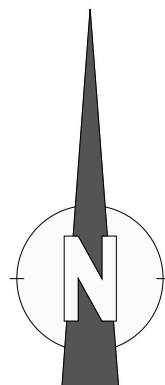




Pontos Notáveis			Pontos Notáveis		
Nº	M	P	Nº	M	P
33	-41934.194	-163235.897	49	-41939.451	-163275.342
34	-41960.970	-163240.579	50	-41935.449	-163273.912
35	-41986.015	-163254.592	51	-41934.736	-163274.363
36	-41983.027	-163259.211	52	-41928.236	-163289.640
37	-41982.942	-163259.804	53	-41930.376	-163277.104
38	-41969.645	-163255.200	54	-41927.187	-163265.412
39	-41968.233	-163256.024	55	-41926.220	-163263.757
40	-41967.960	-163258.106	56	-41904.665	-163244.810
41	-41969.068	-163259.272	57	-41909.570	-163241.320
42	-41979.260	-163264.328	58	-41909.787	-163240.733
43	-41959.128	-163269.379	59	-41920.795	-163247.642
44	-41953.587	-163273.090	60	-41922.348	-163247.132
45	-41932.032	-163297.747	61	-41922.932	-163245.452
46	-41935.534	-163281.580	62	-41922.105	-163244.094
47	-41934.170	-163281.040	63	-41916.398	-163237.847
48	-41939.703	-163276.158			

ESTE DESENHO É PROPRIEDADE INTELECTUAL DA ENGIMIND. NÃO PODENDO SER REPRODUZIDO OU USADO PARA QUALQUER PROPÓSITO, A NÃO SER O INDICADO, SEM PRÉVIA AUTORIZAÇÃO POR ESCRITO.

Anexo 3.3.4 – Nó com o IC1

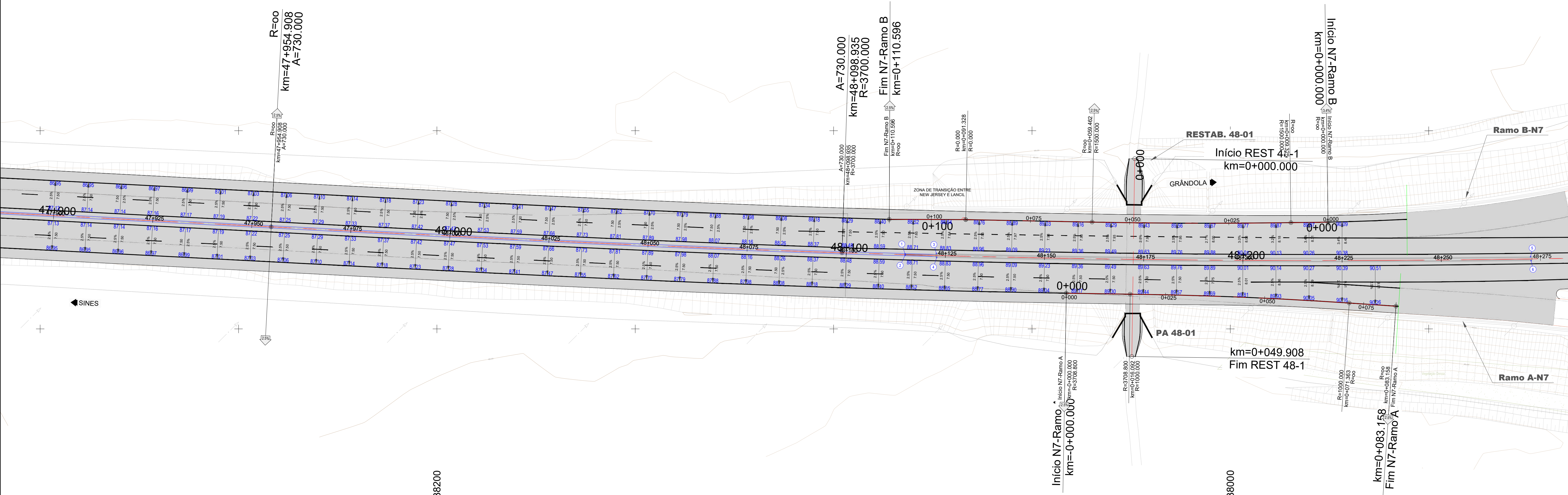


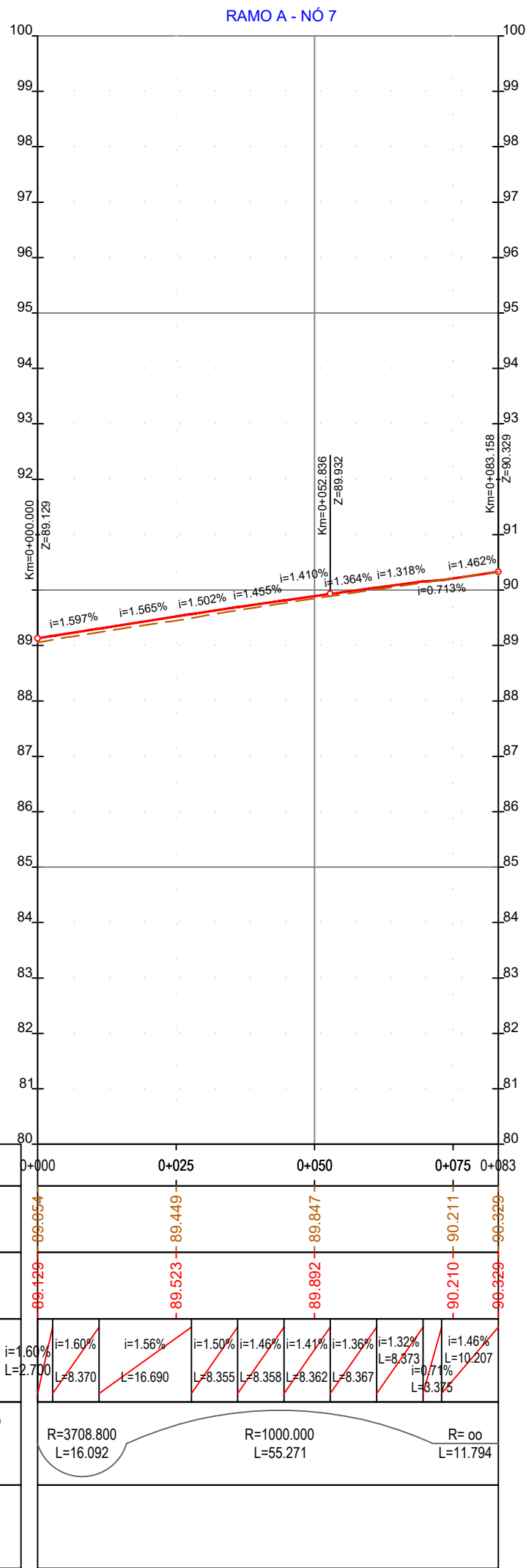
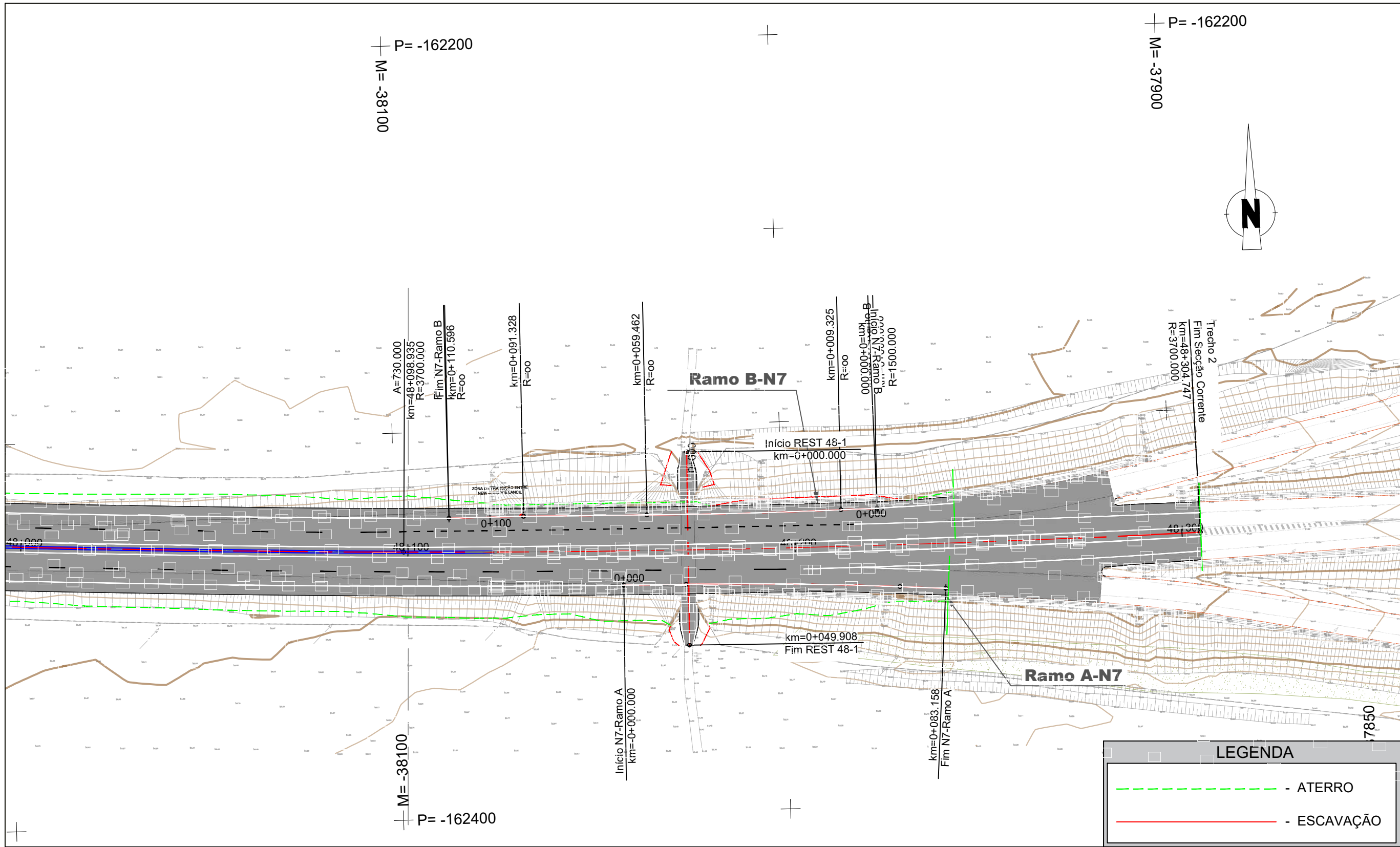
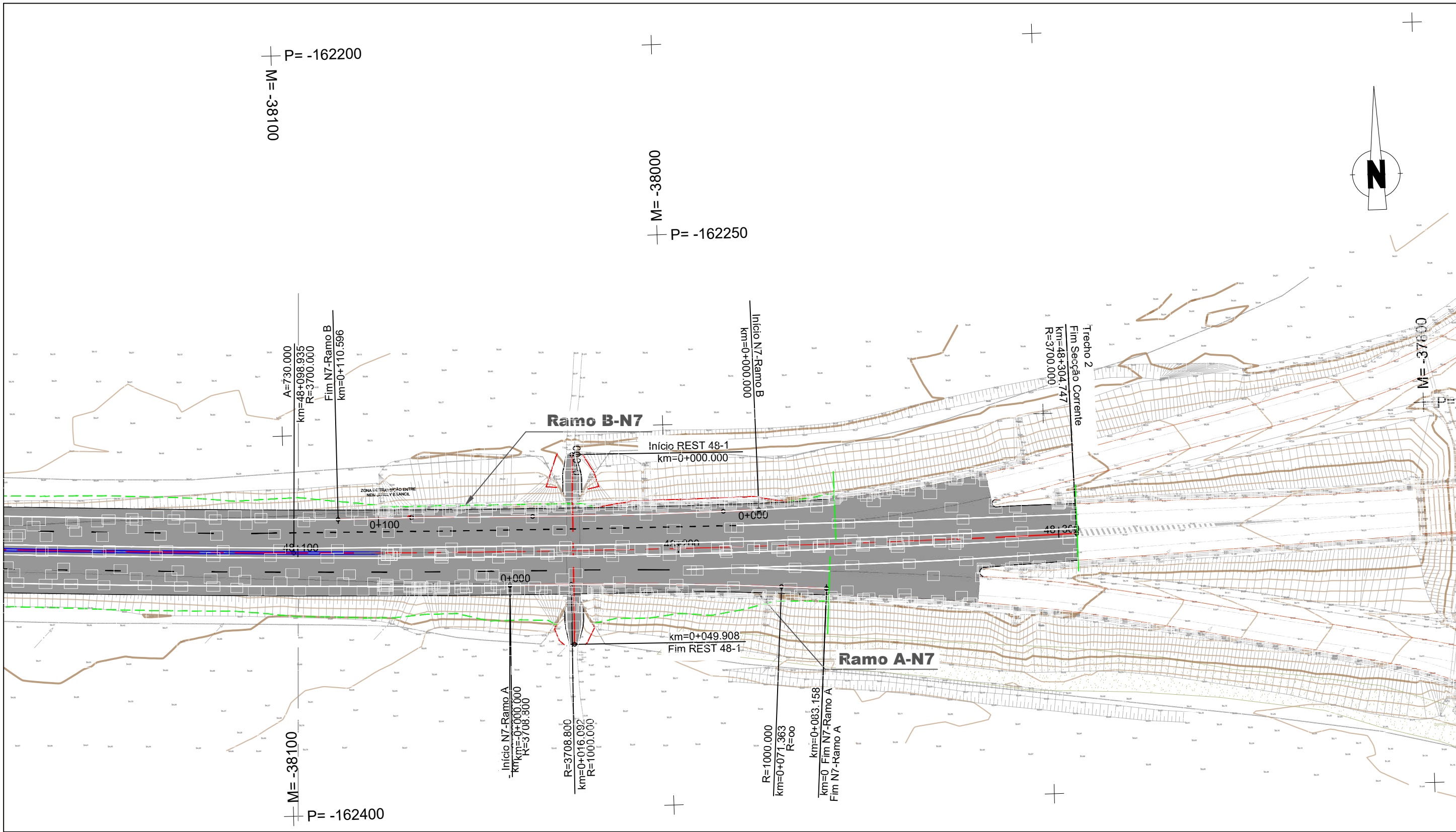
M= -38150
+ P= -162250

M= -38200
+ P= -162400

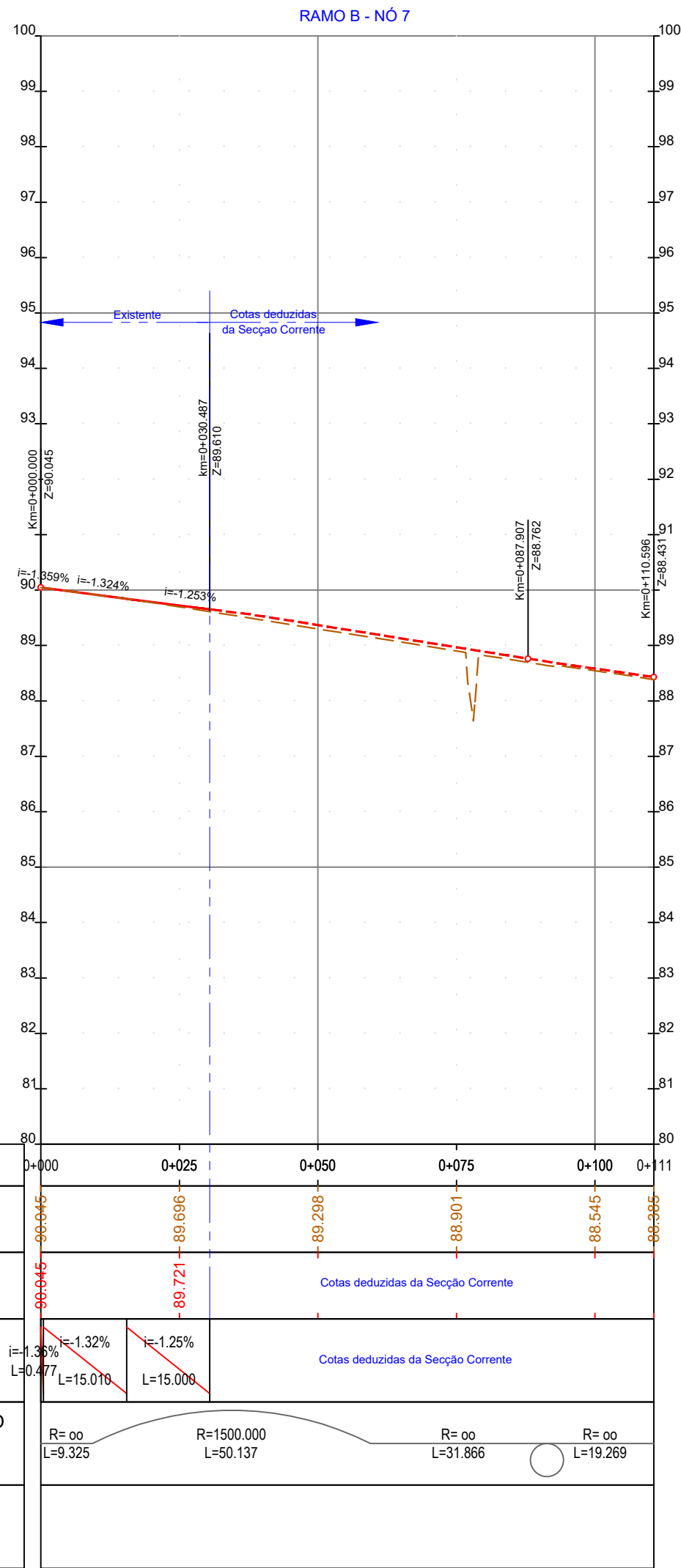
M= -38000
+ P= -162400

Pontos Notáveis		
Nº	M	P
1	-38081.967	-162331.150
2	-38081.974	-162331.400
3	-38074.092	-162330.967
4	-38074.027	-162331.969
5	-37924.305	-162331.802
6	-37924.195	-162332.768





ESC. HV: 1000/100	
QUILOMETRAGEM	0+000 0+025 0+050 0+075 0+083
COTAS DO TERRENO	88.128 88.128 88.128 88.128 88.128
COTAS DA RASANTE	88.128 88.128 88.128 88.128 88.128
ELEMENTOS DO PERFIL	i=1.597% i=1.565% i=1.502% i=1.455% i=1.418% i=1.364% i=1.318% i=1.462%
ELEMENTOS DO TRAÇADO	R=3708.800 L=16.092 R=1000.000 L=55.271 R=00 L=11.794
DIAGRAMAS DE CURVAS	
SOBREELEVAÇÃO	



ESC. HV: 1000/100	
QUILOMETRAGEM	0+000 0+025 0+050 0+075 0+100 0+111
COTAS DO TERRENO	88.128 88.128 88.128 88.128 88.128 88.128
COTAS DA RASANTE	88.128 88.128 88.128 88.128 88.128 88.128
ELEMENTOS DO PERFIL	i=1.324% i=1.243% i=1.25% i=1.25%
ELEMENTOS DO TRAÇADO	R=00 L=9.325 R=1500.000 L=80.137 R=00 L=31.866 R=00 L=19.269
DIAGRAMAS DE CURVAS	
SOBREELEVAÇÃO	

