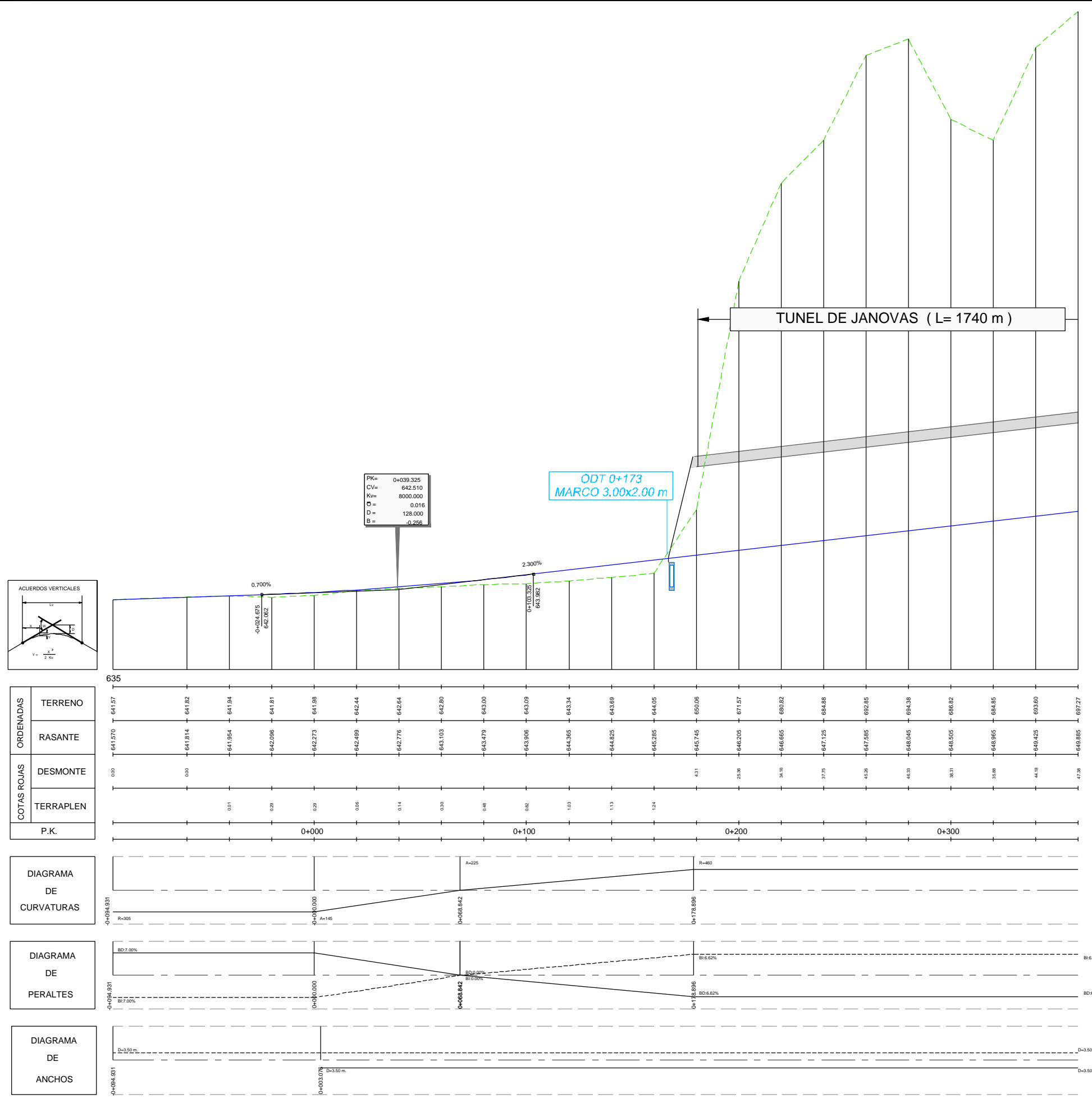


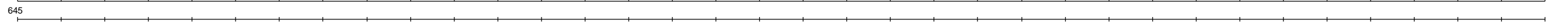
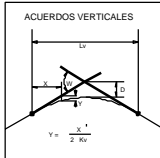
TRONCO



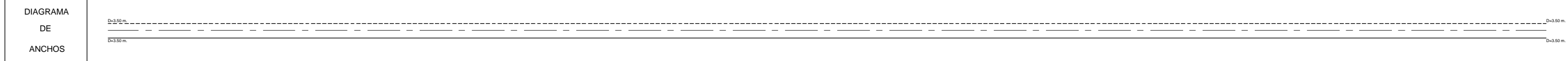
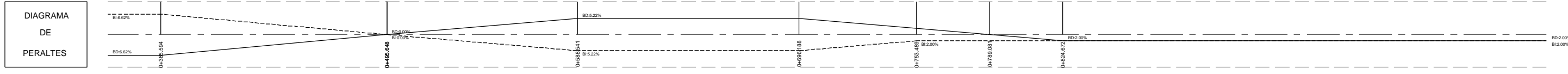
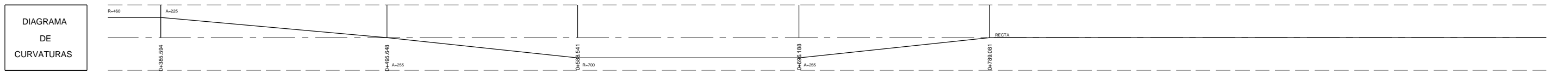
P:11\_206174\_PC\_Balupor05Pianos1ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

TRONCO

TUNEL DE JANOVAS (L= 1740 m)



ORDENADAS	TERRENO
	637.27
RASANTE	649.865
	650.345
DESMONTE	64.26
	63.06
TERRAPLEN	64.54
	67.96
P.K.	63.01
	62.25
62.185	
62.245	
62.645	
63.81	
63.72	
63.83	
64.6	
63.11	
64.025	
63.26	
64.485	
63.61	
64.845	
64.03	
65.405	
63.78	
65.865	
67.117	
62.46	
66.625	
68.79	
67.61	
68.785	
69.39	
67.245	
68.19	
67.705	
69.30	
68.8165	
69.439	
69.625	
69.943	
69.32	
69.865	
81.041	
69.32	
69.945	
80.02	
69.05	
80.86	
69.465	
84.629	
69.08	
80.925	
85.161	
68.67	
84.605	
68.05	
84.45	
68.305	
85.269	
68.765	
85.46	
68.325	
85.63	
68.665	
85.65	
68.145	
85.30	
68.4605	
84.672	
68.065	
84.17	
68.525	
84.316	
68.49	
85.965	



P1.1\_206174\_PC\_Balupor05Planos1ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

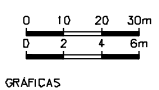


SECRETARÍA DE ESTADO DE INFRAESTRUCTURAS, TRANSPORTE Y VIVIENDA  
SECRETARÍA GENERAL DE INFRAESTRUCTURAS  
DIRECCIÓN GENERAL DE CARRETERAS  
DIFERENCIACIÓN DE CARRETERAS DEL ESTADO EN ARAGÓN

CONSULTOR:  
**acciona**  
Ingeniería

EL I.C.C.P. DIRECTOR DEL PROYECTO:  
LOS INGENIEROS AUTORES DEL PROYECTO:  
RAFAEL LÓPEZ GUARCA  
J. CARLOS RUBIO MATILLA  
MIRIAM CRISPÓ MANSO

ESCALAS:  
EH: 1/1000  
EV: 1/200  
UNE A1 ORIGINALS  
GRÁFICAS



TÍTULO DEL PROYECTO:  
PROYECTO DE TRAZADO:  
ACONDICIONAMIENTO DE LA CARRETERA N-260.  
EJE PIRENAICO, P.K. 449.600 AL 463.600.  
TRAMO: TUNEL DE BALUPOR - FISCAL

CLAVE:  
20-HU-59-3

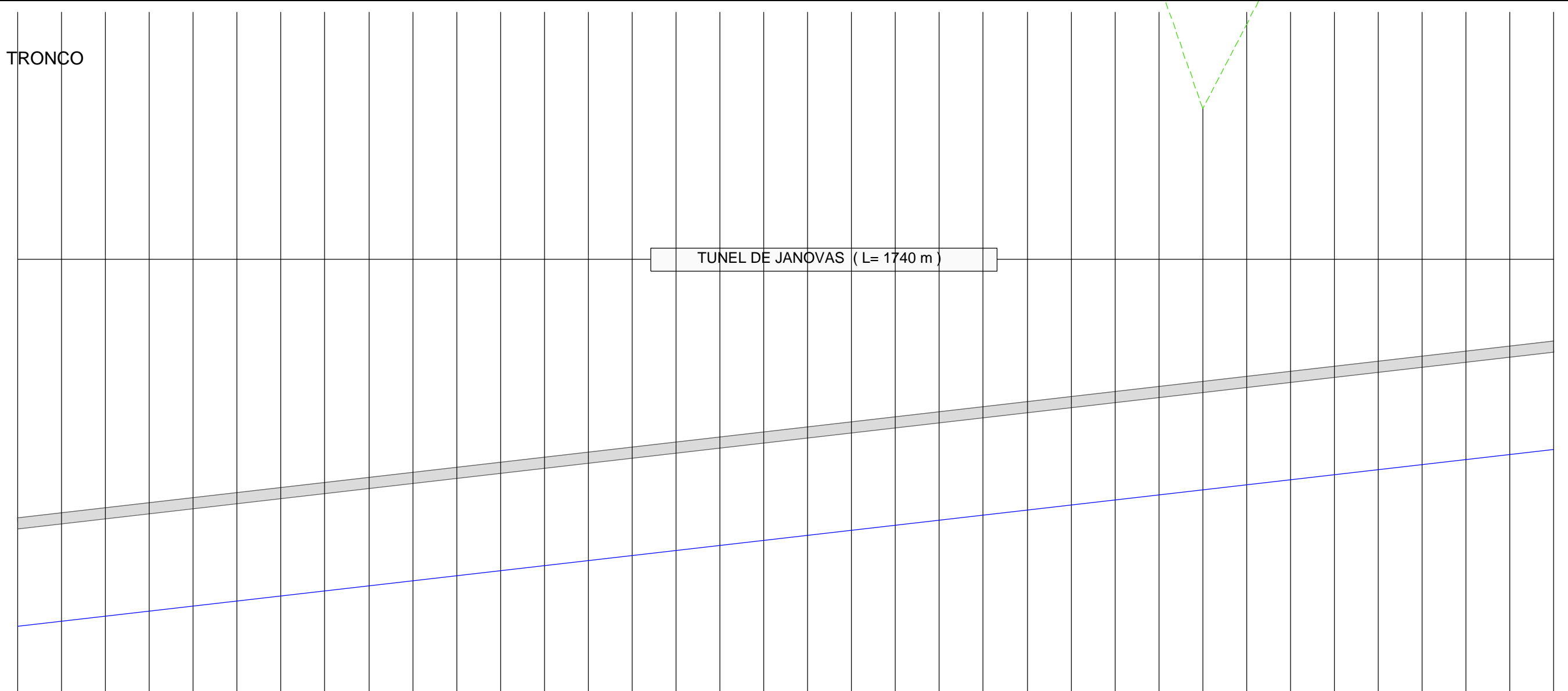
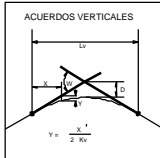
Nº PLANO:  
4

DESIGNACIÓN DEL PLANO:  
PERFIL LONGITUDINAL DEL TRONCO

FECHA:  
ENERO 2016  
HOJA 2 de 19

# TRONCO

TUNEL DE JANOVAS (L= 1740 m)



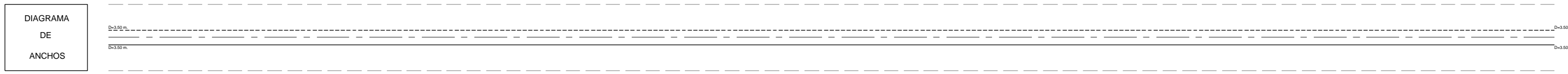
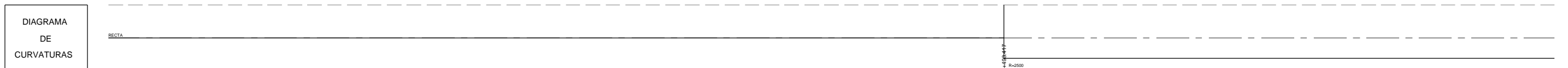
ORDENADAS	TERRENO
849.47	849.47
857.27	857.27
867.29	867.29
882.89	882.89
895.26	895.26
896.64	896.64
871.53	871.53
860.48	860.48
842.40	842.40
824.80	824.80
826.22	826.22
841.43	841.43
854.82	854.82
865.68	865.68
872.425	872.425
881.54	881.54
871.00	871.00
853.12	853.12
837.89	837.89
827.36	827.36
813.89	813.89
801.96	801.96
793.46	793.46
783.63	783.63
766.85	766.85
744.04	744.04
724.70	724.70
713.16	713.16
723.81	723.81
735.64	735.64
750.20	750.20
763.28	763.28
773.90	773.90
788.99	788.99
768.89	768.89
754.14	754.14

COTAS ROJAS	DESMONTE	TERRAPLEN
103.49	103.49	0
100.82	100.82	0
103.38	103.38	0
115.82	115.82	0
127.44	127.44	0
118.98	118.98	0
102.79	102.79	0
111.27	111.27	0
112.74	112.74	0
104.86	104.86	0
105.84	105.84	0
113.38	113.38	0
103.31	103.31	0
113.72	113.72	0
102.90	102.90	0
118.86	118.86	0
107.86	107.86	0
119.31	119.31	0
103.72	103.72	0
100.84	100.84	0
117.99	117.99	0
116.31	116.31	0
117.36	117.36	0
117.07	117.07	0
118.83	118.83	0
104.95	104.95	0
103.76	103.76	0
114.75	114.75	0
114.94	114.94	0
104.92	104.92	0
113.03	113.03	0
112.28	112.28	0
108.83	108.83	0
111.27	111.27	0
112.06	112.06	0

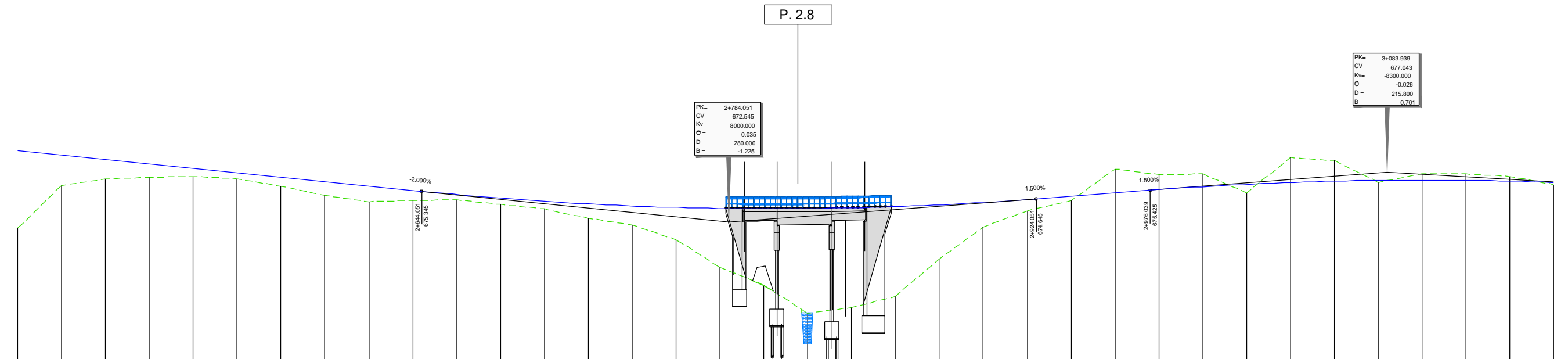
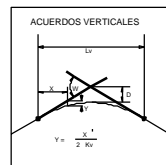
P.K.	1+100	1+200	1+300	1+400	1+500	1+600	1+700
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P.11\_206174\_PC\_Balupor05PlanosESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg



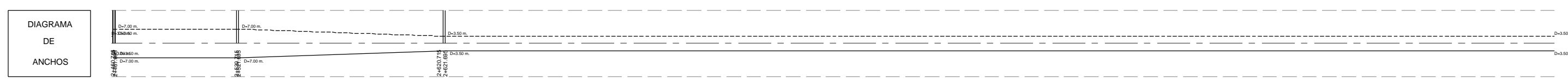
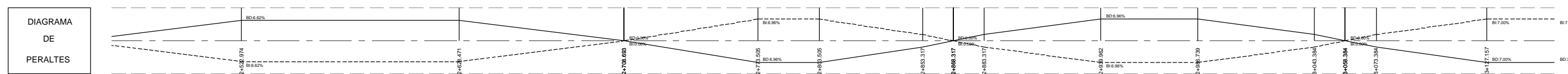
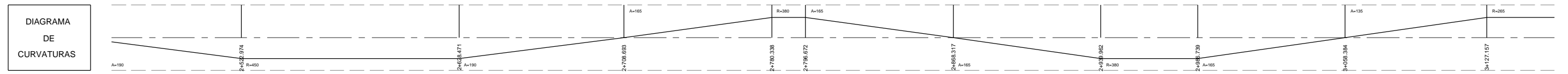
# TRONCO



PK= 2+784.051  
 CV= 672.545  
 Kv= 8000.000  
 D = 0.035  
 D = 280.000  
 B = -1.225

PK= 3+083.939  
 CV= 677.043  
 Kv= -8300.000  
 D = -0.026  
 D = 215.800  
 B = 0.701

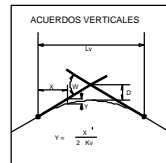
ORDENADAS	TERRENO	
	RASANTE	DESMONTE
679.026	671.97	7.06
678.628	675.86	2.76
678.228	676.45	1.78
677.828	676.60	1.23
677.428	676.69	0.73
677.028	676.48	0.55
676.628	675.80	0.83
676.228	674.96	1.26
675.828	674.39	1.44
675.428	674.51	0.92
675.042	674.56	0.48
674.707	674.13	0.57
674.422	673.72	0.70
674.187	672.89	1.30
674.001	672.28	1.72
673.866	670.91	2.95
673.781	668.43	5.35
673.746	666.80	6.95
673.761	664.23	9.53
673.826	664.74	9.08
673.941	665.77	8.17
674.105	669.18	4.93
674.320	672.06	2.26
674.585	673.57	1.02
674.894	674.47	0.41
675.184	677.37	2.19
675.483	676.65	1.37
675.750	676.92	1.17
675.968	675.20	0.77
676.138	678.41	2.27
676.260	676.14	0.88
676.333	676.14	0.19
676.358	676.96	0.60
676.398	676.91	0.58
676.265	676.70	0.43
676.146	675.95	0.20



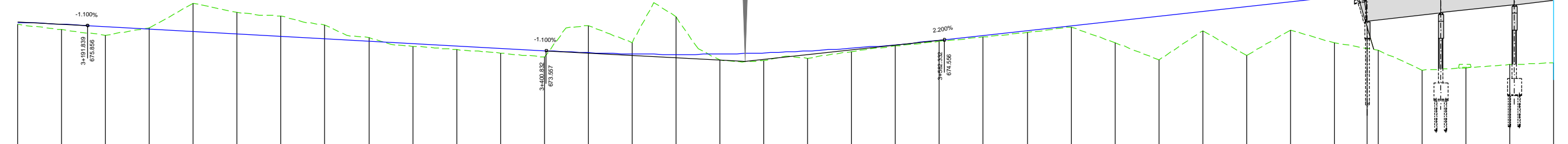
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# TRONCO

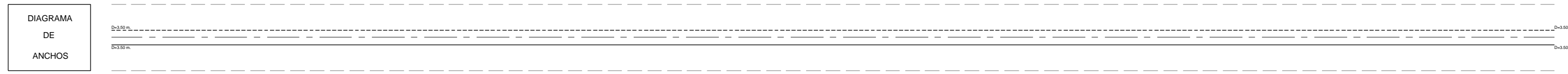
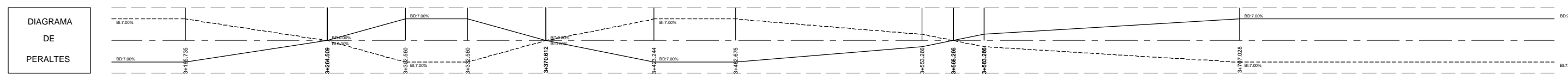
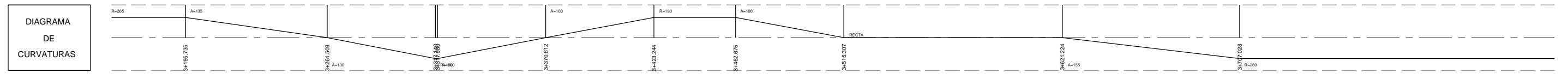
## VIADUCTO BARRANCO DE LAS GUARGAS



PK= 3+491.582  
 CV= 672.559  
 Kv= 5500.000  
 C= 0.033  
 D= 181.500  
 B= -0.749



ORDENADAS	TERRENO	RASANTE	DESMONTE	TERRAPLEN	P.K.
	675.95	676.146		0.20	
	675.47	675.978		0.50	
	674.98	675.767		0.79	3+200
	675.63	675.547	0.08		
	677.88	675.327	2.56		
	677.07	675.107	1.96		
	676.74	674.887	1.85		
	675.90	674.667	1.24		
	674.78	674.447	0.33		
	673.96	674.227		0.27	
	673.66	674.007		0.36	
	673.35	673.787		0.44	
	672.98	673.567		0.58	
	675.86	673.380	2.48		
	674.51	673.266	1.24		
	676.66	673.225	3.44		
	672.72	673.256		0.54	
	672.64	673.381		0.72	
	672.89	673.538		0.66	
	673.50	673.787		0.29	
	674.00	674.110		0.11	
	674.43	674.505		0.08	
	674.80	674.944		0.14	
	675.22	675.384		0.17	
	675.73	675.824		0.09	
	674.30	676.264		1.96	
	672.73	676.704		3.97	
	675.59	677.144		1.76	
	673.14	677.584		4.46	
	675.45	678.024		2.96	
	674.28	678.464		4.19	
	673.80	678.904		5.30	
	671.80	679.344		7.54	
	672.01	679.784		7.79	
	672.29	680.224		7.94	
	672.46	680.664		8.20	

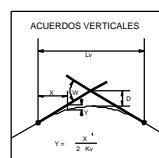
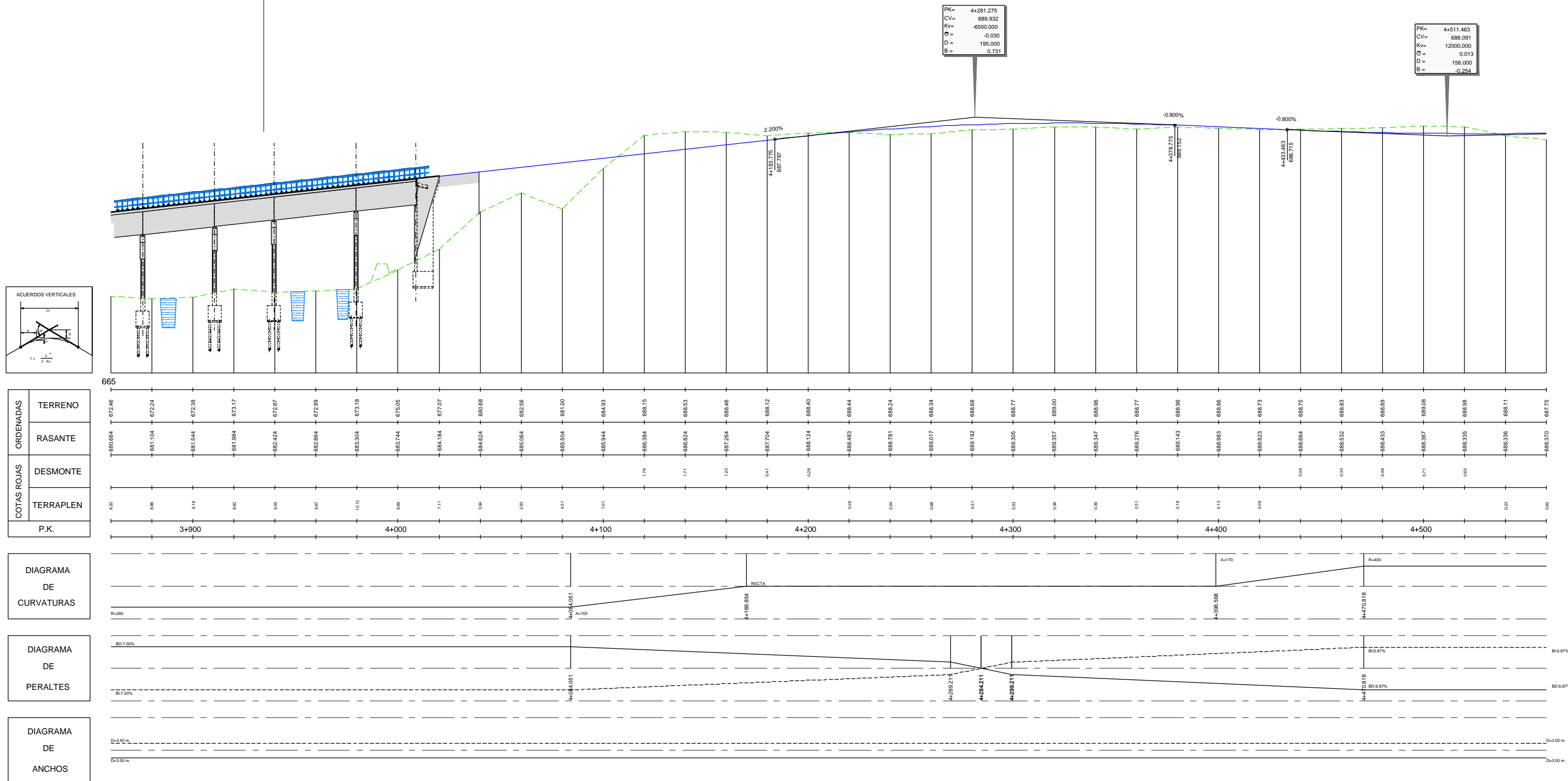


P.L1 206174 PC Balupor05Planos1ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

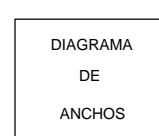
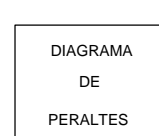
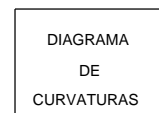
	SECRETARÍA DE ESTADO DE INFRAESTRUCTURAS, TRANSPORTE Y VIVIENDA	CONSULTOR:	EL I.C.C.P. DIRECTOR DEL PROYECTO:	LOS INGENIEROS AUTORES DEL PROYECTO:	ESCALAS:		TÍTULO DEL PROYECTO:	CLAVE:	Nº PLANO:	DESIGNACIÓN DEL PLANO:	FECHA:
	SECRETARÍA GENERAL DE INFRAESTRUCTURAS		RAFAEL LÓPEZ GUARCA	J. CARLOS RUBIO MATILLA, MIRIAM CRISPÍN MANSO	EH:1/1000 EV:1/200 UNE A1 ORIGINALS		GRÁFICAS	PROYECTO DE TRAZADO: ACONDICIONAMIENTO DE LA CARRETERA N-260. EJE PIRENAICO, P.K. 449.600 AL 463.600. TRAMO: TUNEL DE BALUPOR - FISCAL	20-HU-58-Q	4	PERFIL LONGITUDINAL DEL TRONCO

# TRONCO

## VIADUCTO BARRANCO DE LAS GUARGAS



ORDENADAS	TERRENO
665	672.46
3+900	672.24
	672.38
	673.17
	672.87
	672.99
	673.18
4+000	675.05
	677.07
	680.08
	682.56
	681.00
4+100	684.83
	688.15
	688.53
	688.46
	688.12
4+200	688.40
	688.44
	688.24
	688.34
	688.68
4+300	688.77
	689.00
	688.86
	688.77
	688.86
4+400	688.73
	688.623
	688.664
	688.83
	688.69
	689.08
	688.88
	688.11
667.75	688.370



P.L1 206174 PC Balupor05Planos1ESTUDIO PARA INFORMACION PUBLICA4 PERIF LONGITUDINAL TRONCO.dwg

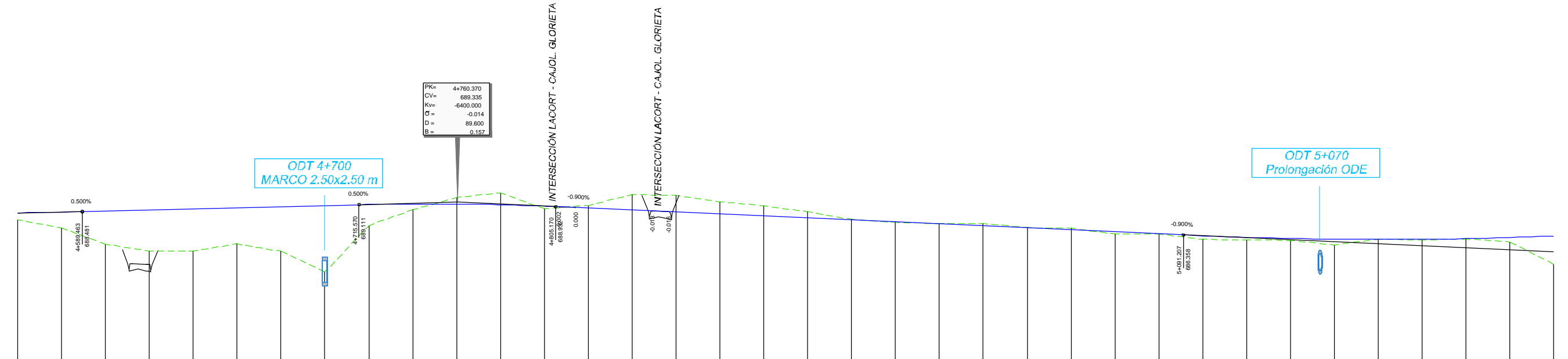
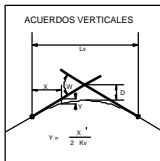
# TRONCO

## INTERSECCIÓN LACORT - CAJOL

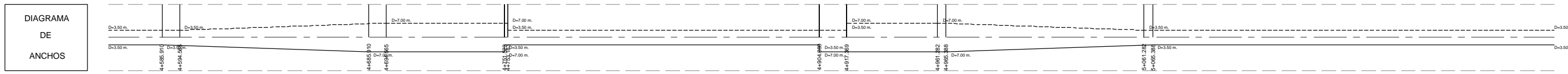
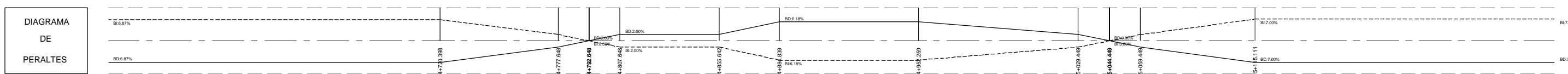
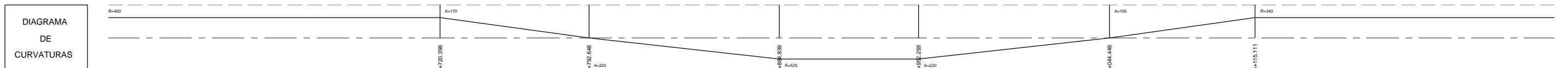
PK	4+760.370
Cv	689.336
Kv	-6400.000
Q	-0.014
D	89.600
B	0.157

ODT 4+700  
MARCO 2.50x2.50 m

ODT 5+070  
Prolongación ODE



ORDENADAS	TERRENO	
	TERRENO	RASANTE
	687.75	688.370
	686.88	688.437
	685.53	688.534
	684.88	688.634
	684.90	688.724
	685.54	688.854
	684.86	688.934
	682.97	689.034
	687.23	689.132
	688.66	689.187
	689.76	689.179
	690.19	689.109
	688.75	689.077
	690.05	689.799
	690.04	688.619
	689.86	688.439
	689.40	688.259
	689.02	688.079
	688.47	687.899
	687.78	687.719
	687.50	687.539
	687.39	687.359
	687.39	687.179
	687.03	686.999
	686.97	686.819
	686.44	686.639
	686.45	686.459
	685.95	686.283
	685.91	686.140
	685.86	686.038
	685.45	685.975
	685.98	685.953
	685.90	685.971
	686.00	686.028
	685.74	686.126
	686.263	686.263

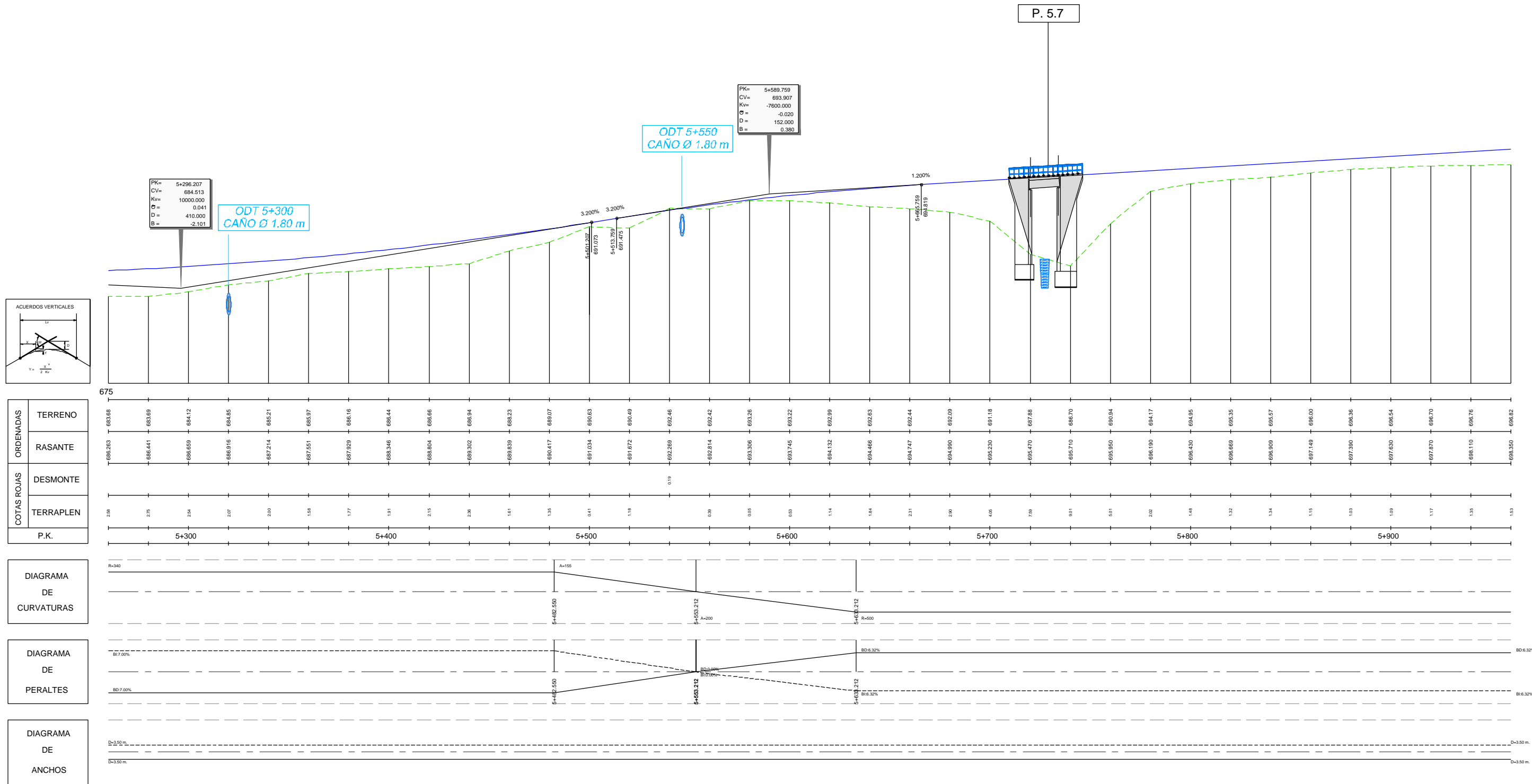


P.11\_206174\_PC\_Balupor05PlanosESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

	SECRETARÍA DE ESTADO DE INFRAESTRUCTURAS, TRANSPORTE Y VIVIENDA	CONSULTOR:	EL I.C.C.P. DIRECTOR DEL PROYECTO:	LOS INGENIEROS AUTORES DEL PROYECTO:	ESCALAS:		TÍTULO DEL PROYECTO:	CLAVE:	Nº PLANO:	DESIGNACIÓN DEL PLANO:	FECHA:
	SECRETARÍA GENERAL DE INFRAESTRUCTURAS				EH:1/1000 EV:1/200 UNE A1 ORIGINALS		PROYECTO DE TRAZADO: ACONDICIONAMIENTO DE LA CARRETERA N-260. EJE PIRENAICO, P.K. 449.600 AL 463.600. TRAMO: TUNEL DE BALUPOR - FISCAL	20-HU-58-03	4	PERFIL LONGITUDINAL DEL TRONCO	ENERO 2016
	DIRECCIÓN GENERAL DE CARRETERAS			MIRAN CRESPO MANSO							HUJA 8 DE 19



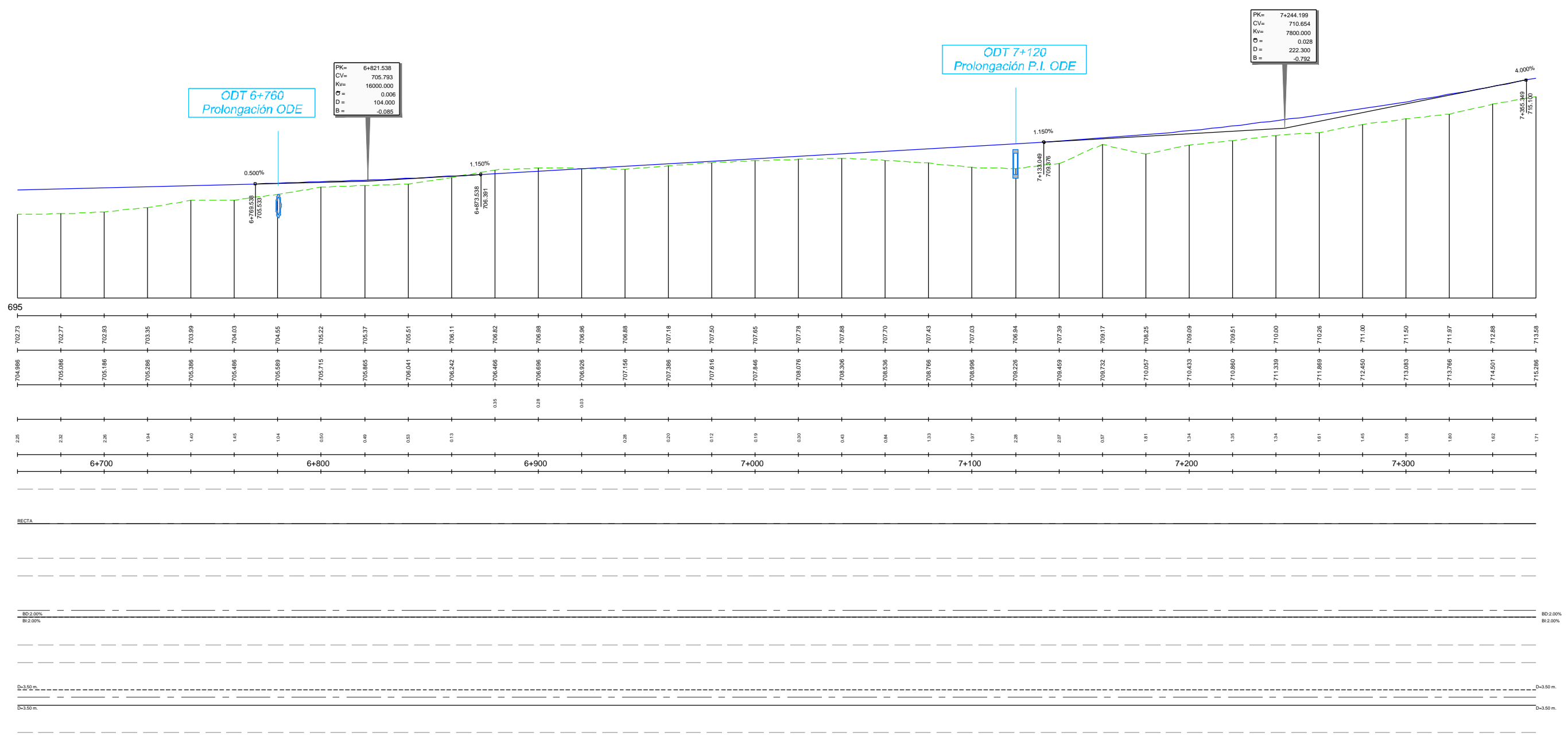
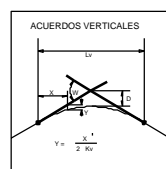
# TRONCO



P.11\_206174\_PC\_Balupor05Planos1ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

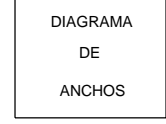
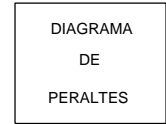
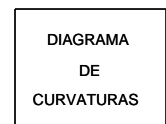


# TRONCO



ORDENADAS	TERRENO
704.966	702.73
705.086	702.77
705.166	702.83
705.286	703.35
705.386	703.89
705.486	704.03
705.589	704.55
705.715	705.22
705.865	705.37
706.041	705.51
706.242	706.11
706.466	706.82
706.696	706.88
706.926	706.96
707.156	706.88
707.386	707.18
707.616	707.50
707.846	707.65
708.076	707.78
708.306	707.88
708.536	707.70
708.766	707.43
708.996	707.03
709.226	706.84
709.459	707.39
709.732	708.17
710.057	708.25
710.433	709.09
710.860	709.51
711.338	710.00
711.869	710.26
712.450	711.00
713.083	711.50
713.766	711.97
714.501	712.88
715.286	713.58

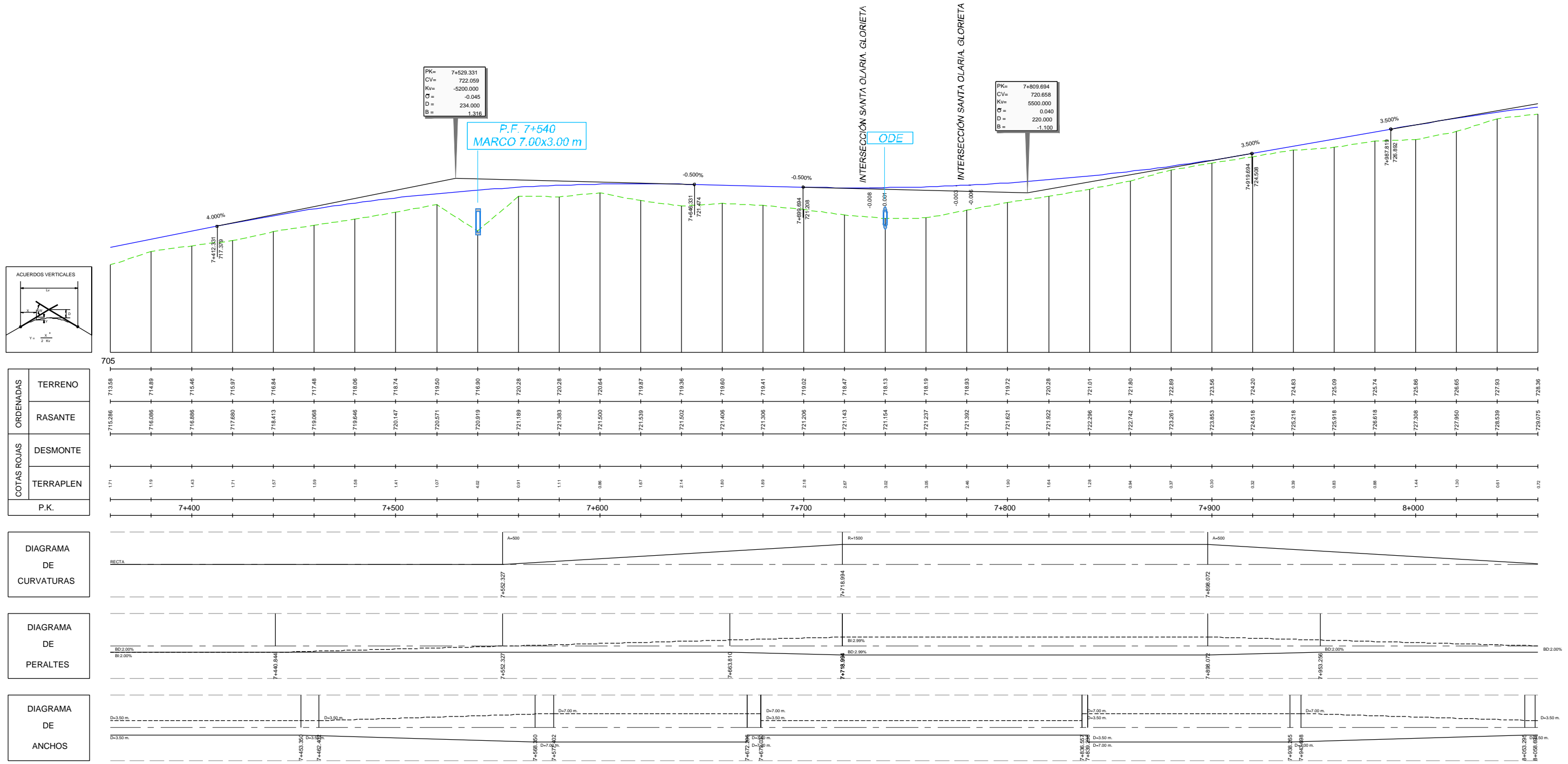
COTAS ROJAS	DESMONTE	TERRAPLEN	P.K.
2.25			6+700
2.22			
2.26			
1.94			
1.40			
1.45			
1.04			
0.50			
0.49			
0.03			
0.13			
0.35			
0.28			
0.03			
0.08			
0.20			
0.12			
0.19			
0.30			
0.43			
0.84			
1.33			
1.97			
2.28			
2.27			
0.67			
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1.35			
1.34			
1.61			
1.45			
1.58			
1.80			
1.62			
1.71			



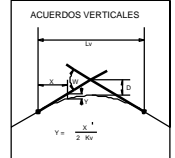
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TRONCO

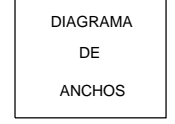
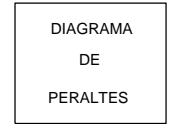
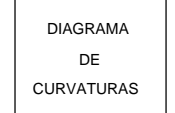
INTERSECCIÓN SANTA OLARIA - JAVIERRE



P.11\_206174\_PC\_Balupor05Planos10ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg



ORDENADAS	TERRENO
	RASANTE
COTAS ROJAS	DESMONTE
	TERRAPLEN
	P.K.





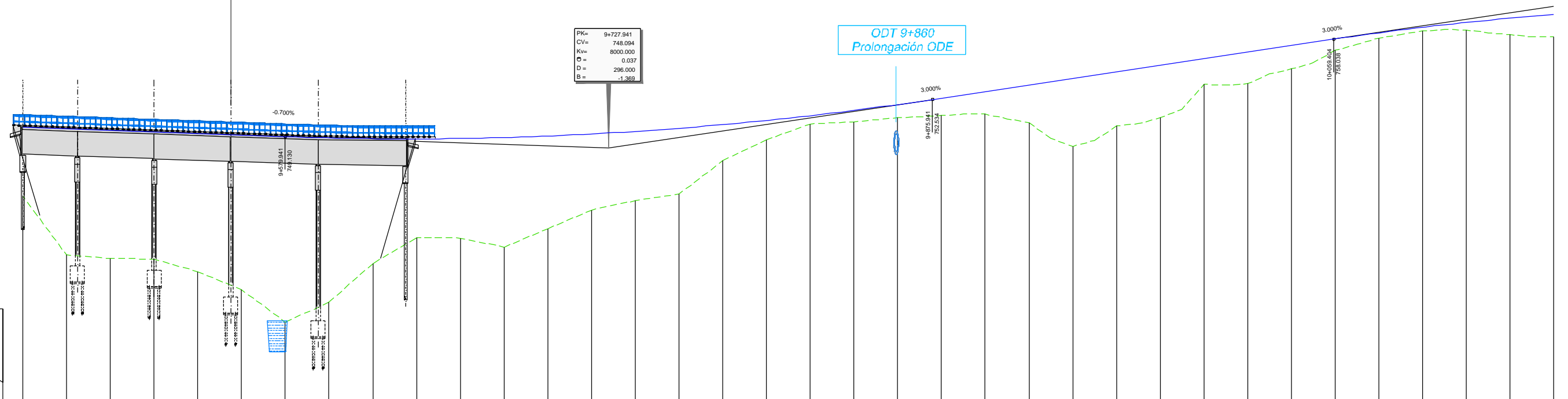
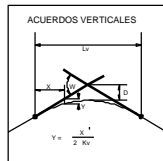


# TRONCO

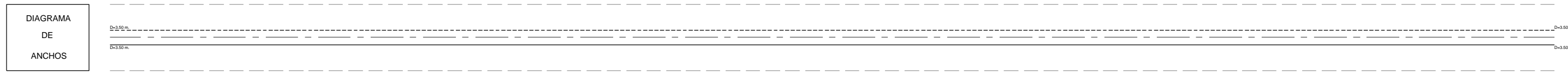
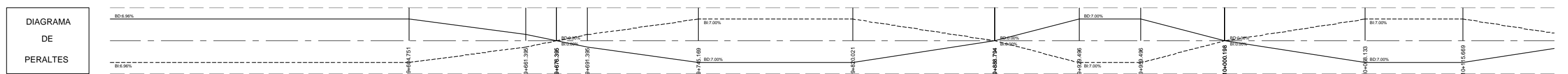
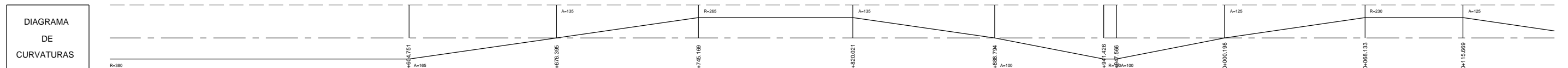
## VIADUCTO BARRANCO DE SANTIAGO

ODT 9+860  
Prolongación ODE

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Kv= 8000.000  
C = 0.037  
D = 296.000  
B = -1.369



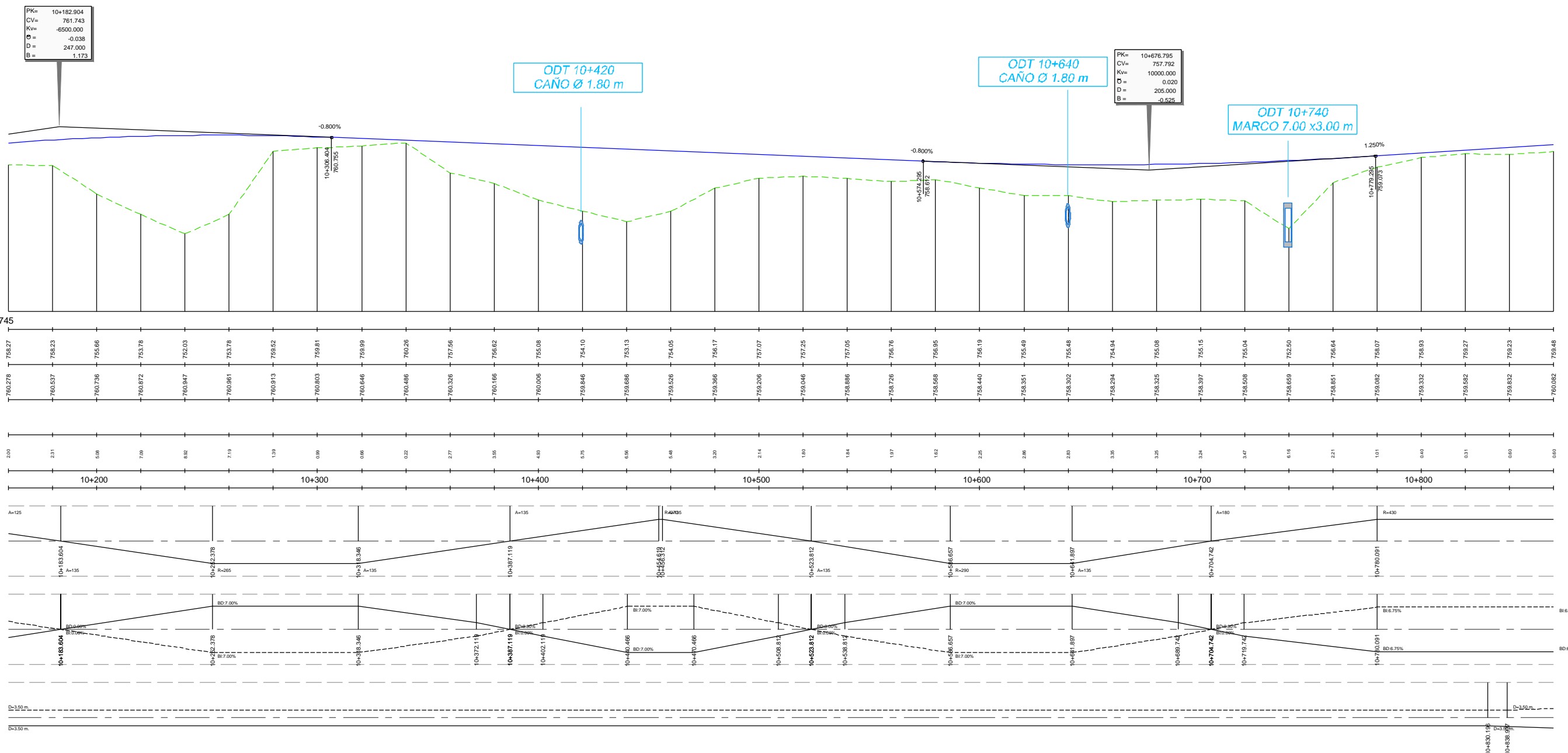
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RASANTE	748.830	748.970
	738.33	748.830
DESMONTE	738.00	748.690
	737.86	748.500
TERRAPLEN	738.81	749.410
	735.16	748.270
P.K.	732.20	749.130
	734.00	749.015
P.K.	737.57	748.950
	739.89	748.835
P.K.	739.87	748.971
	739.95	748.956
P.K.	740.73	749.191
	742.44	749.376
P.K.	743.28	749.611
	743.88	748.896
P.K.	746.84	750.231
	748.86	750.617
P.K.	750.29	751.052
	750.49	751.537
P.K.	750.87	752.072
	751.05	752.656
P.K.	751.19	753.256
	750.41	753.856
P.K.	748.24	754.456
	750.11	755.056
P.K.	750.86	755.656
	753.91	756.256
P.K.	753.98	756.856
	755.32	757.456
P.K.	757.01	758.056
	758.14	758.623
P.K.	758.78	759.129
	758.88	759.574
P.K.	758.44	759.956
	758.27	760.276



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		SECRETARÍA DE ESTADO DE INFRAESTRUCTURAS, TRANSPORTE Y VIVIENDA		EL I.C.C.P. DIRECTOR DEL PROYECTO: 	LOS INGENIEROS AUTORES DEL PROYECTO: 	ESCALAS: EH: 1/1000 EV: 1/200 UNE A1 ORIGINALS GRÁFICAS	TÍTULO DEL PROYECTO: PROYECTO DE TRAZADO: ACONDICIONAMIENTO DE LA CARRETERA N-260. EJE PIRENAICO, P.K. 449.600 AL 463.600. TRAMO: TUNEL DE BALUPOR - FISCAL	CLAVE: 20-HU-58-03	N° PLANO: 4	DESIGNACIÓN DEL PLANO: PERFIL LONGITUDINAL DEL TRONCO	FECHA: ENERO 2016
		DIRECCIÓN GENERAL DE INFRAESTRUCTURAS DIRECCIÓN GENERAL DE CARRETERAS C/ MARCAJÓN DE CARRETERAS DEL ESTADO EN ARAGÓN									RAFAEL LÓPEZ GUARA J. CARLOS RUBIO MATILLA MIRAN CRESPO MANSO

# TRONCO



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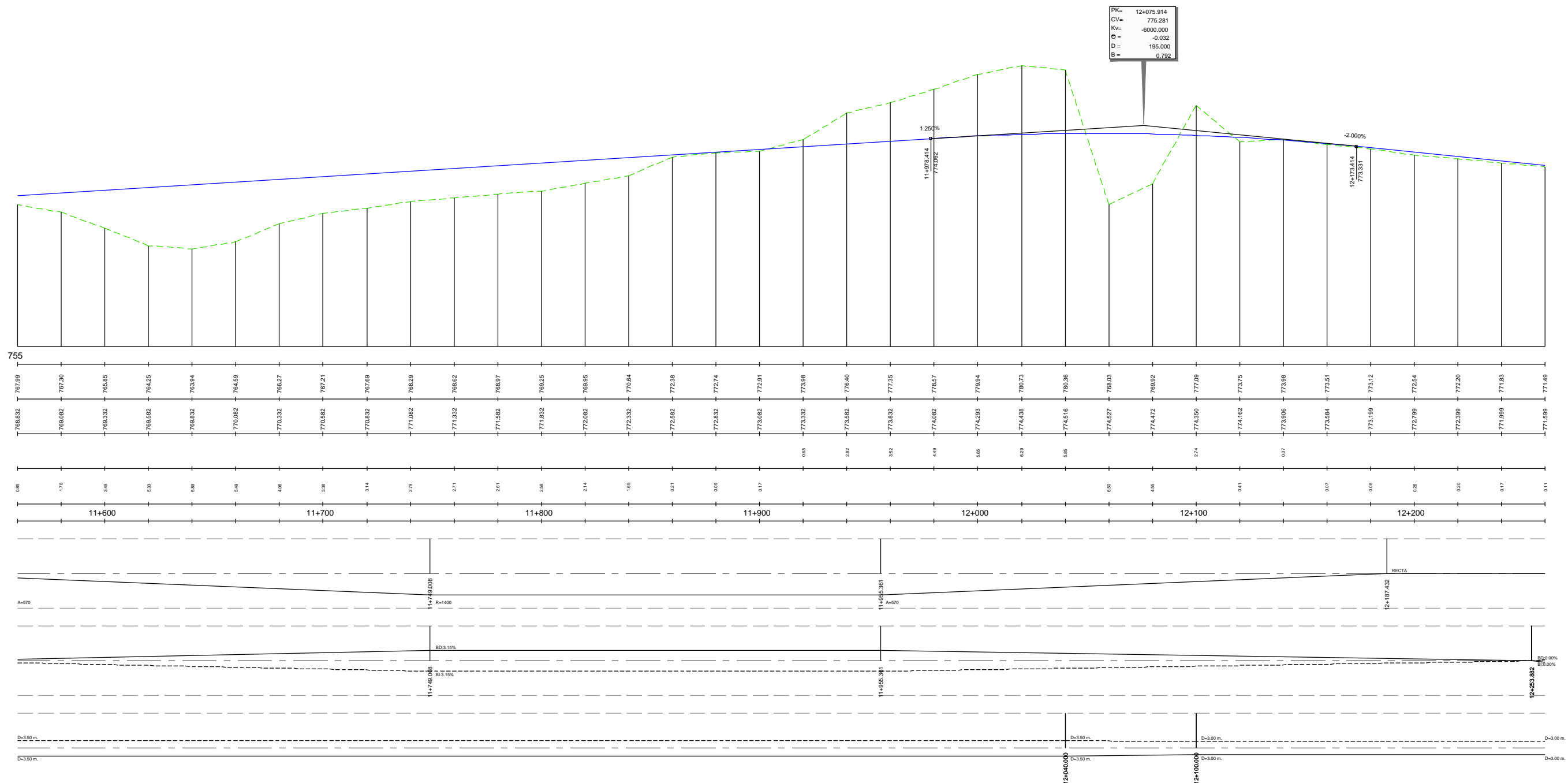
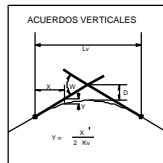
ORDENADAS	TERRENO
	RASANTE
COTAS ROJAS	DESMONTE
	TERRAPLEN
P.K.	

DIAGRAMA DE CURVATURAS
DIAGRAMA DE PERALTES
DIAGRAMA DE ANCHOS



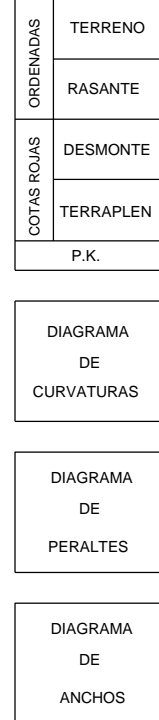


# TRONCO

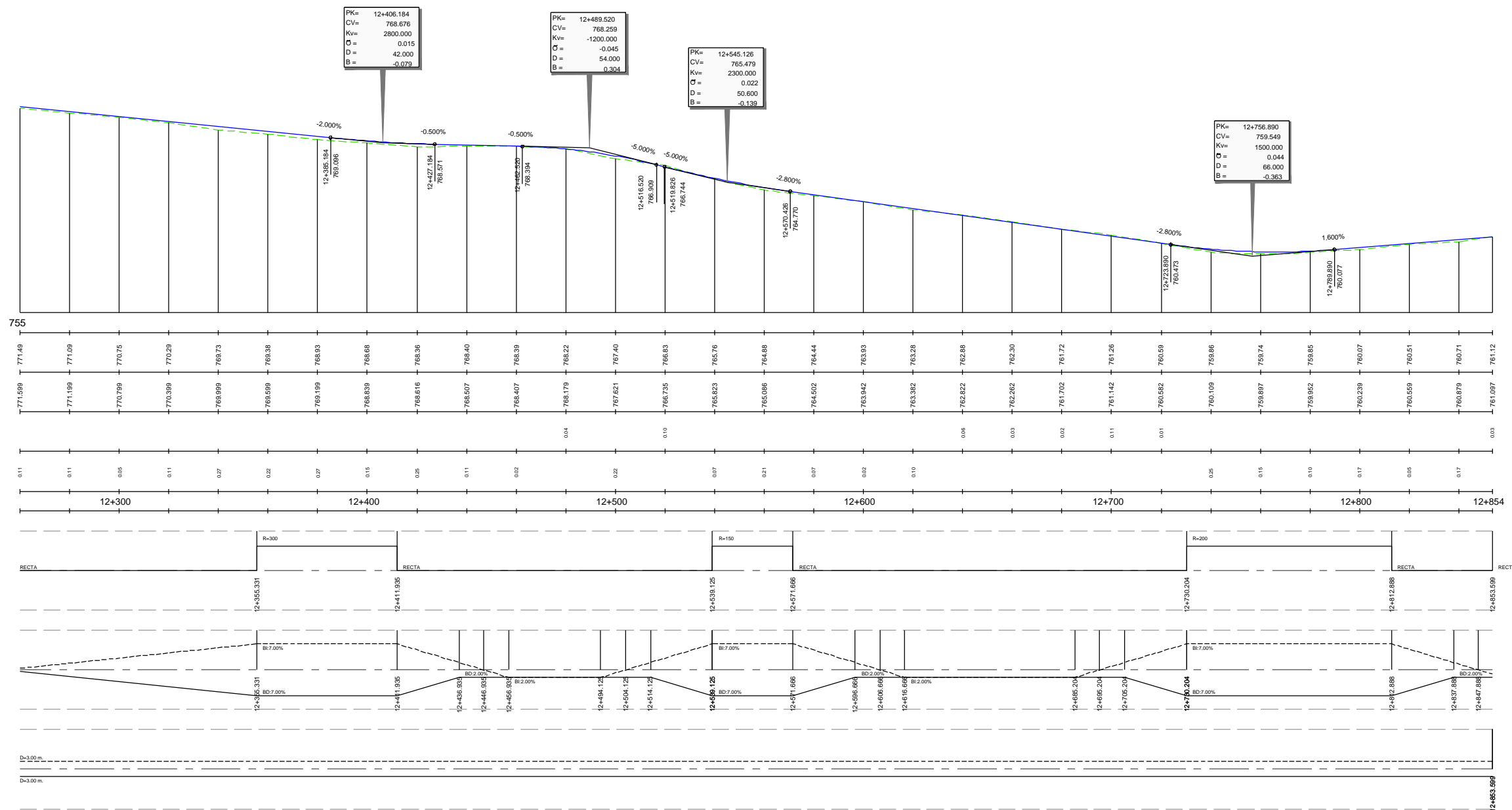
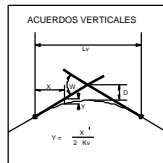


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 D = -0.032  
 D = 195.000  
 B = 0.792

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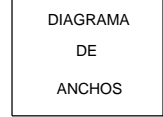
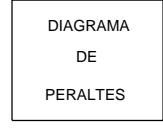
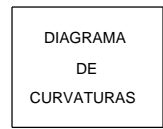


# TRONCO



P.L1 206174 PC Balupor05Planos1ESTUDIO PARA INFORMACION PUBLICA4 PERFIL LONGITUDINAL TRONCO.dwg

ORDENADAS	TERRENO
	RASANTE
COTAS ROJAS	DESMONTE
	TERRAPLEN
P.K.	



SECRETARÍA DE ESTADO DE INFRAESTRUCTURAS, TRANSPORTE Y VIVIENDA  
SECRETARÍA GENERAL DE INFRAESTRUCTURAS  
DIRECCIÓN GENERAL DE CARRETERAS  
C/MARCAJÓN DE CARRETERAS DEL ESTADO EN ARAGÓN

CONSULTOR:  
**acciona** Ingeniería

EL I.C.C.P. DIRECTOR DEL PROYECTO:  
LOS INGENIEROS AUTORES DEL PROYECTO:  
RAFAEL LÓPEZ GUARCA  
J. CARLOS RUBIO MATILLA  
MIRIAM CRISPÓ MANSO

ESCALAS:  
EH: 1/1000  
EV: 1/200  
UNE A1 ORIGINALS  
GRÁFICAS

TÍTULO DEL PROYECTO:  
PROYECTO DE TRAZADO:  
ACONDICIONAMIENTO DE LA CARRETERA N-260.  
EJE PIRENAICO, P.K. 449.600 AL 463.600.  
TRAMO: TUNEL DE BALUPOR - FISCAL

CLAVE:  
20-HU-58-03

Nº PLANO:  
4

DESIGNACIÓN DEL PLANO:  
PERFIL LONGITUDINAL DEL TRONCO

FECHA:  
ENERO 2016  
HOJA 19 DE 19