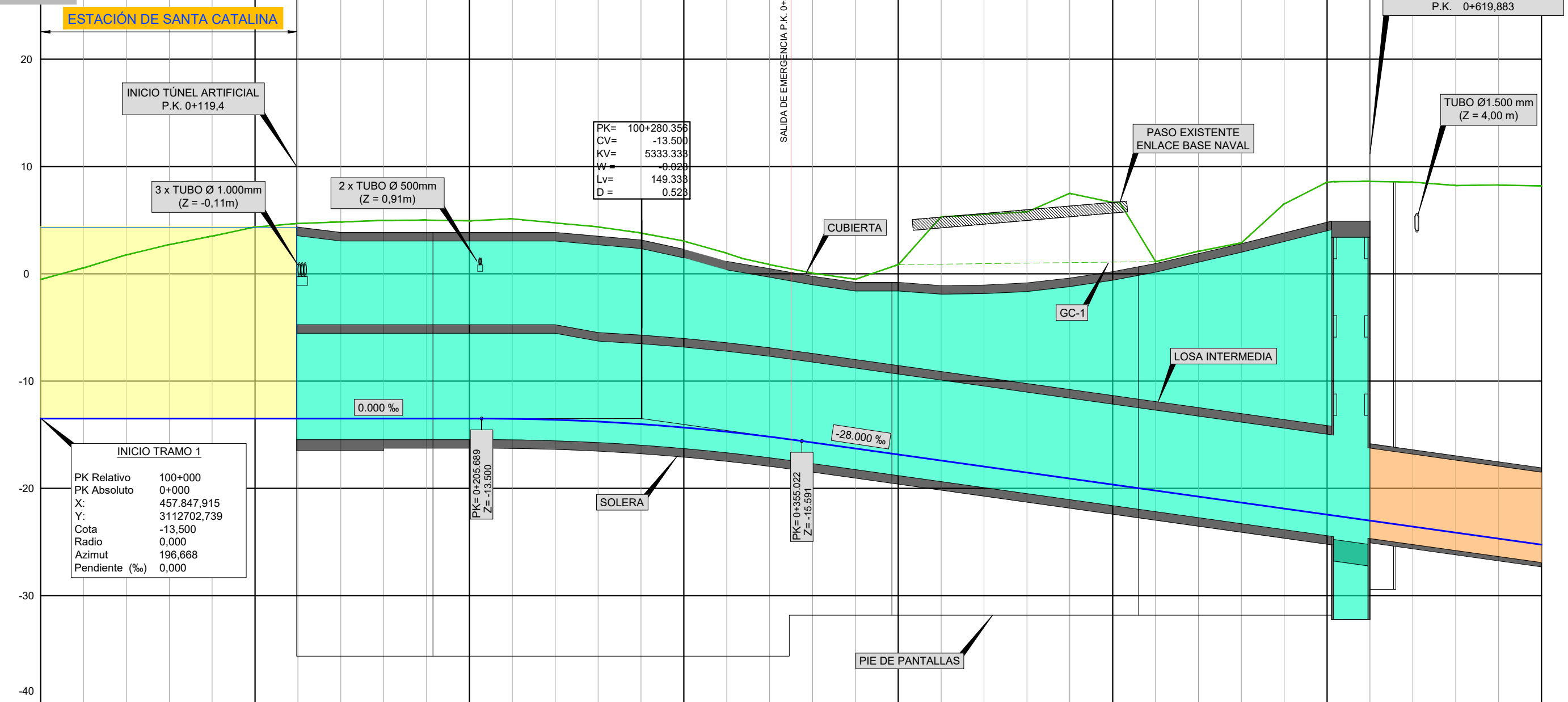


LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



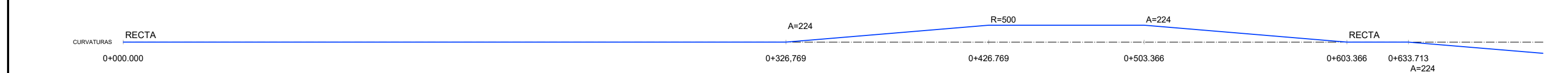
INICIO TRAMO 1

PK Relativo 100+000
 PK Absoluto 0+000
 X: 457.847,915
 Y: 3112702,739
 Cota -13,500
 Radio 0,000
 Azimut 196,668
 Pendiente (‰) 0,000

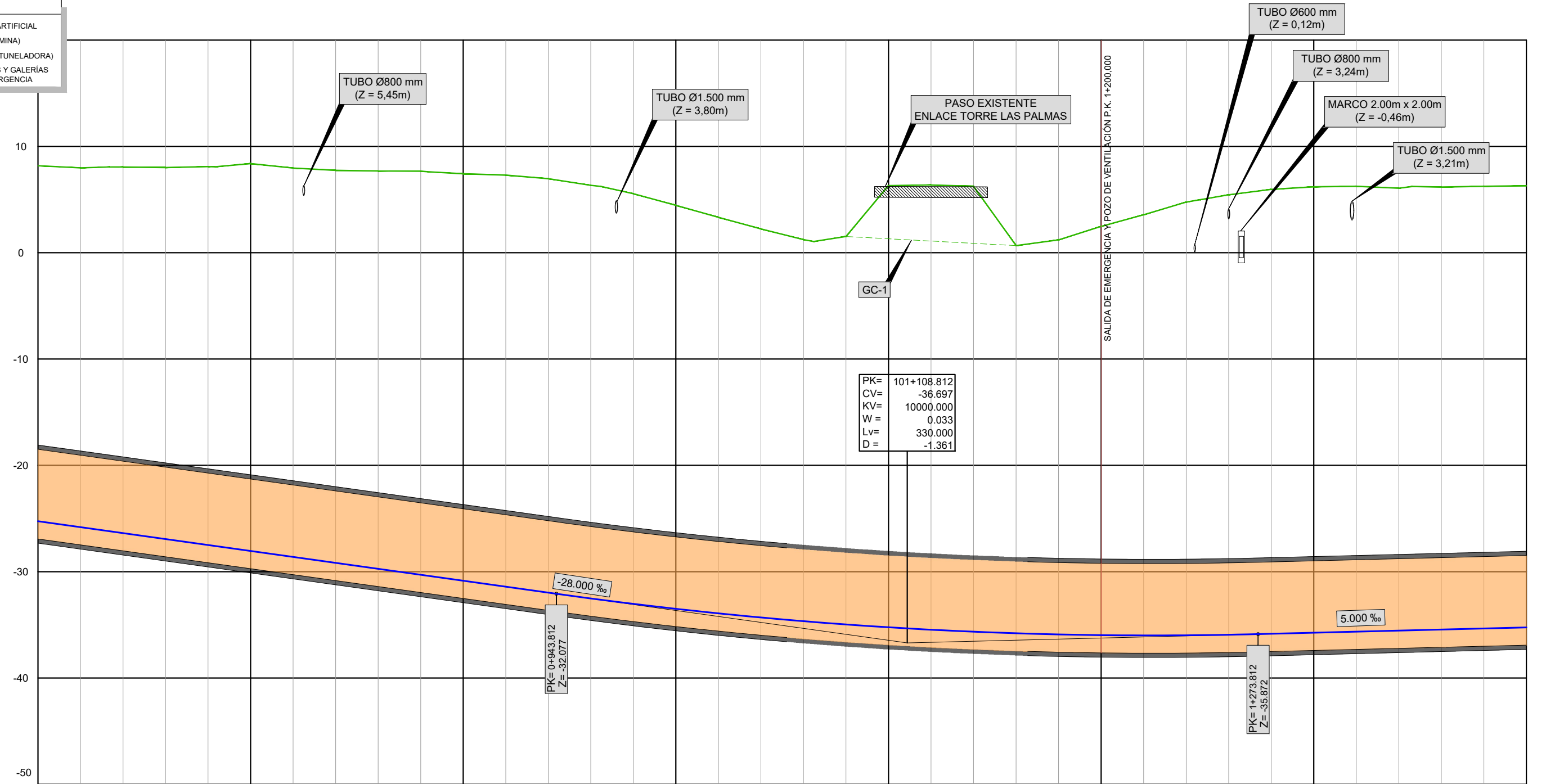
PK= 100+280,356
 CV= -13,500
 KV= 5333,333
 W= 0,02
 Lv= 149,333
 D= 0,52

COTA DE CABEZA DE CARRIL	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,50	-13,52	-13,61	-13,78	-14,02	-14,33	-14,73	-15,19	-15,73	-16,29	-16,85	-17,41	-17,97	-18,53	-19,09	-19,65	-20,21	-20,77	-21,33	-21,89	-22,45	-23,01	-23,57	-24,13	-24,69	-25,25
COTA DEL TERRENO	-0,53	0,55	1,76	2,72	3,51	4,36	4,69	4,83	4,97	5,00	4,93	5,12	4,74	4,37	3,80	3,05	1,92	0,86	0,06	-0,51	0,85	5,31	5,54	5,77	7,50	6,64	1,14	2,10	2,88	6,52	8,53	8,61	8,54	8,23	8,27	8,18
COTAS ROJAS	12,97	14,05	15,26	16,22	17,01	17,86	18,19	18,33	18,47	18,50	18,43	18,64	18,35	18,14	17,82	17,38	16,64	16,05	15,79	15,78	17,70	22,72	23,51	24,30	26,59	26,29	21,35	22,87	24,21	28,41	30,98	31,62	32,11	32,36	32,96	33,43

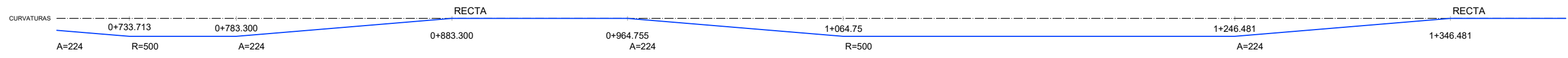
P.K. ABSOLUTO	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700
P.K. RELATIVO	100+000	100+100	100+200	100+300	100+400	100+500	100+600	100+700



LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

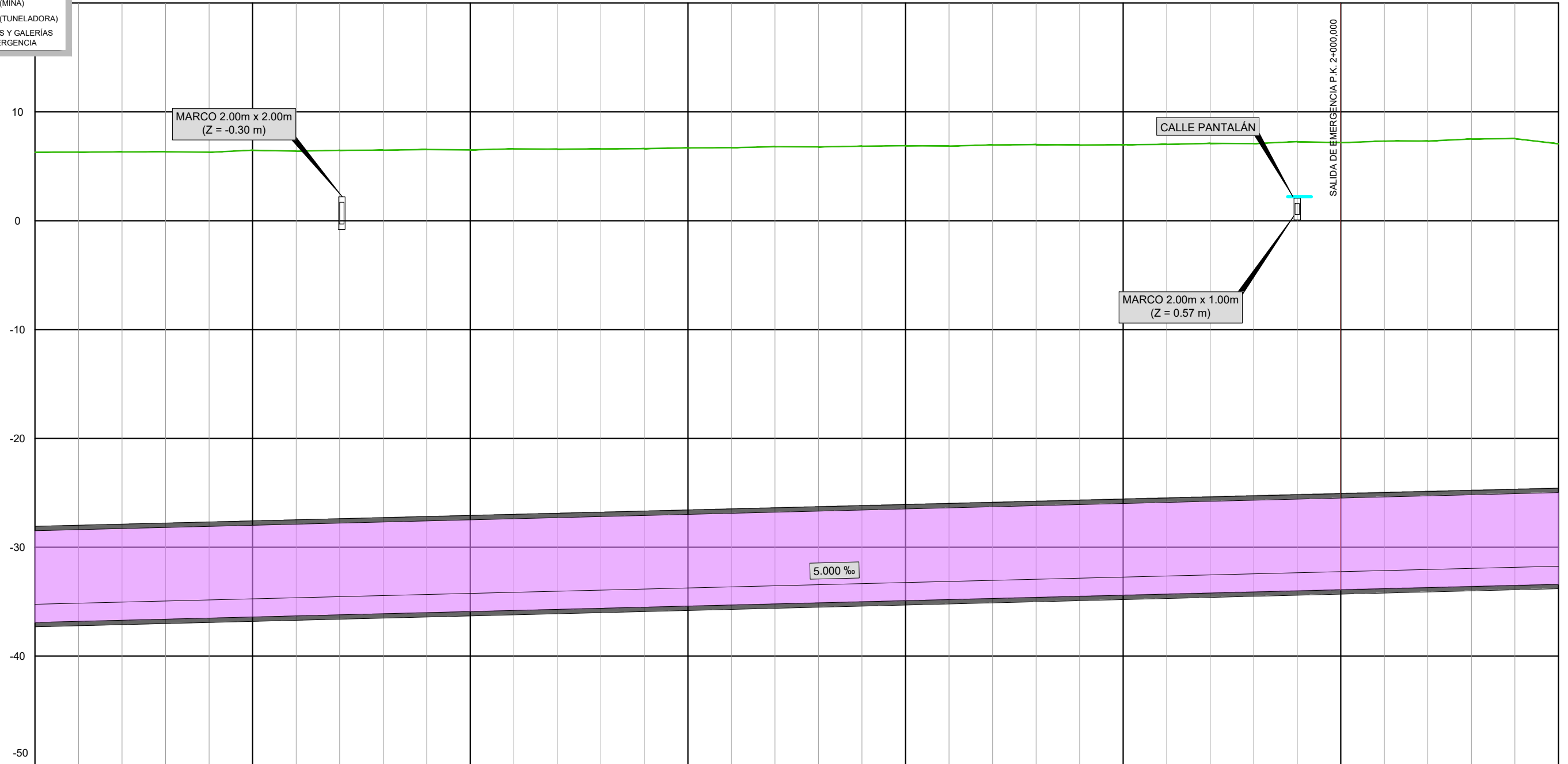


COTA DE CABEZA DE CARRIL	-25.25	-25.81	-26.37	-26.93	-27.49	-28.05	-28.61	-29.17	-29.73	-30.29	-30.85	-31.41	-31.97	-32.52	-33.02	-33.49	-33.92	-34.31	-34.66	-34.96	-35.23	-35.46	-35.65	-35.79	-35.90	-35.97	-36.00	-35.98	-35.93	-35.84	-35.74	-35.64	-35.54	-35.44	-35.34	-35.24			
COTA DEL TERRENO	8.18	7.98	8.06	8.01	8.10	8.38	7.96	7.75	7.69	7.67	7.42	7.30	6.96	6.33	5.55	4.46	3.33	2.24	1.23	1.53	6.31	6.37	6.25	0.67	1.20	2.48	3.57	4.76	5.45	5.96	6.20	6.25	6.07	6.17	6.25	6.29			
COTAS ROJAS	DESMONTE	33.43	33.79	34.43	34.94	35.59	36.43	36.57	36.92	37.42	37.96	38.27	38.71	38.93	38.85	38.58	37.95	37.25	36.55	35.89	36.49	41.54	41.83	41.90	36.46	37.10	38.44	39.56	40.75	41.38	41.80	41.94	41.89	41.61	41.61	41.59	41.53		
	TERRAPLEN																																						
P.K. ABSOLUTO	0+700	0+800					0+900					1+000					1+100					1+200					1+300					1+400							
P.K. RELATIVO	100+700	100+800					100+900					101+000					101+100					101+200					101+300					101+400							

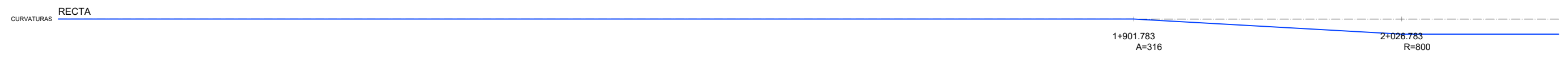


LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

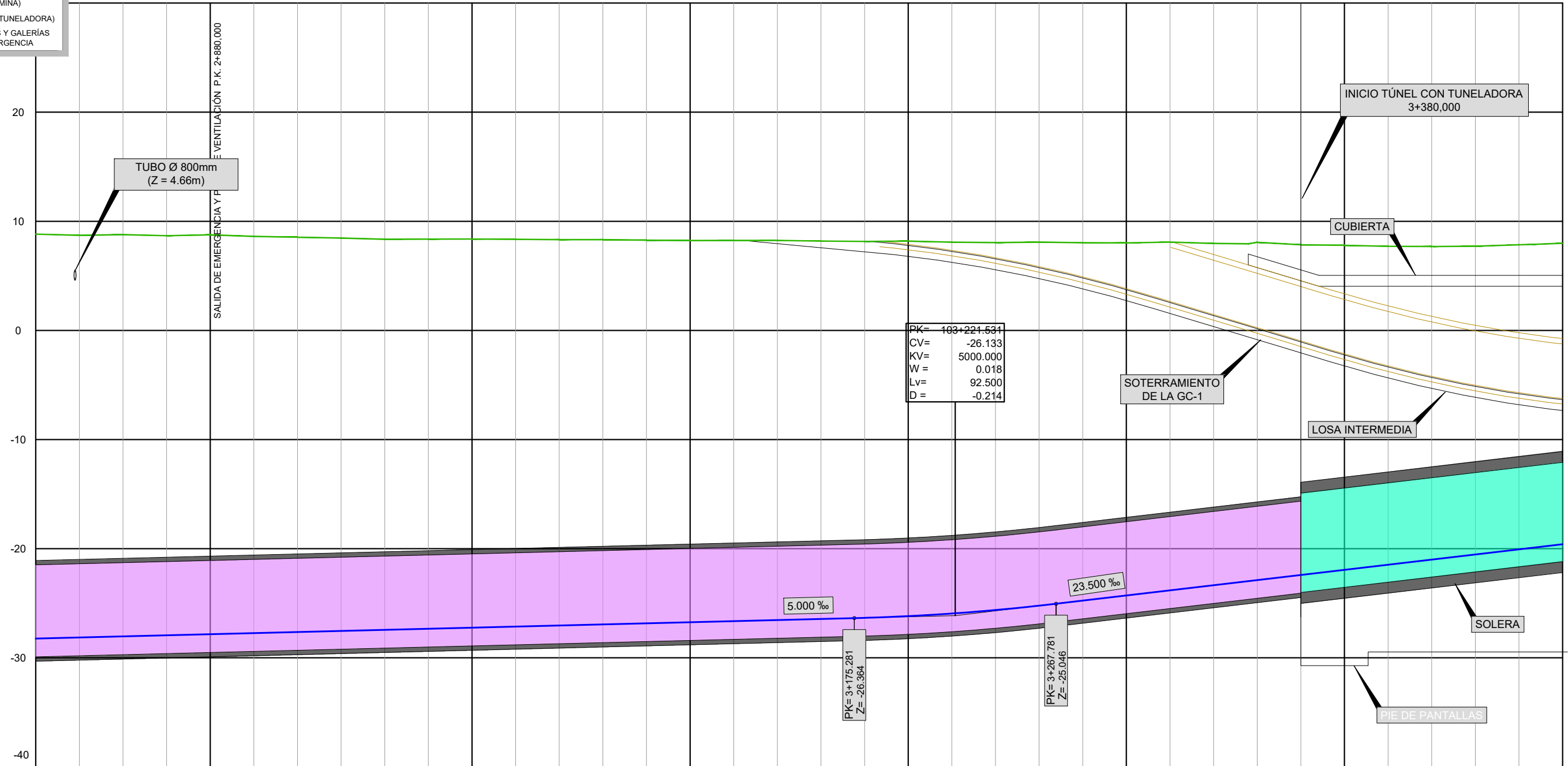


COTA DE CABEZA DE CARRIL	-35.24	-35.14	-35.04	-34.94	-34.84	-34.74	-34.64	-34.54	-34.44	-34.34	-34.24	-34.14	-34.04	-33.94	-33.84	-33.74	-33.64	-33.54	-33.44	-33.34	-33.24	-33.14	-33.04	-32.94	-32.84	-32.74	-32.64	-32.54	-32.44	-32.34	-32.24	-32.14	-32.04	-31.94	-31.84	-31.74		
COTA DEL TERRENO	6.29	6.30	6.32	6.34	6.29	6.48	6.39	6.47	6.48	6.54	6.51	6.60	6.57	6.60	6.62	6.69	6.71	6.80	6.78	6.85	6.89	6.86	6.96	7.00	6.95	6.98	7.01	7.11	7.09	7.27	7.17	7.31	7.32	7.51	7.54	7.07		
COTAS ROJAS	DESMONTE	41.53	41.44	41.37	41.28	41.13	41.22	41.03	41.01	40.93	40.88	40.75	40.75	40.62	40.54	40.47	40.44	40.35	40.34	40.22	40.19	40.13	40.00	40.00	39.94	39.80	39.72	39.65	39.65	39.53	39.61	39.41	39.45	39.36	39.45	39.38	38.81	
	TERRAPLEN																																					
P.K. ABSOLUTO	1+400					1+500					1+600					1+700						1+800					1+900										2+100	
P.K. RELATIVO	101+400					101+500					101+600					101+700						101+800					101+900										102+100	



LEYENDA

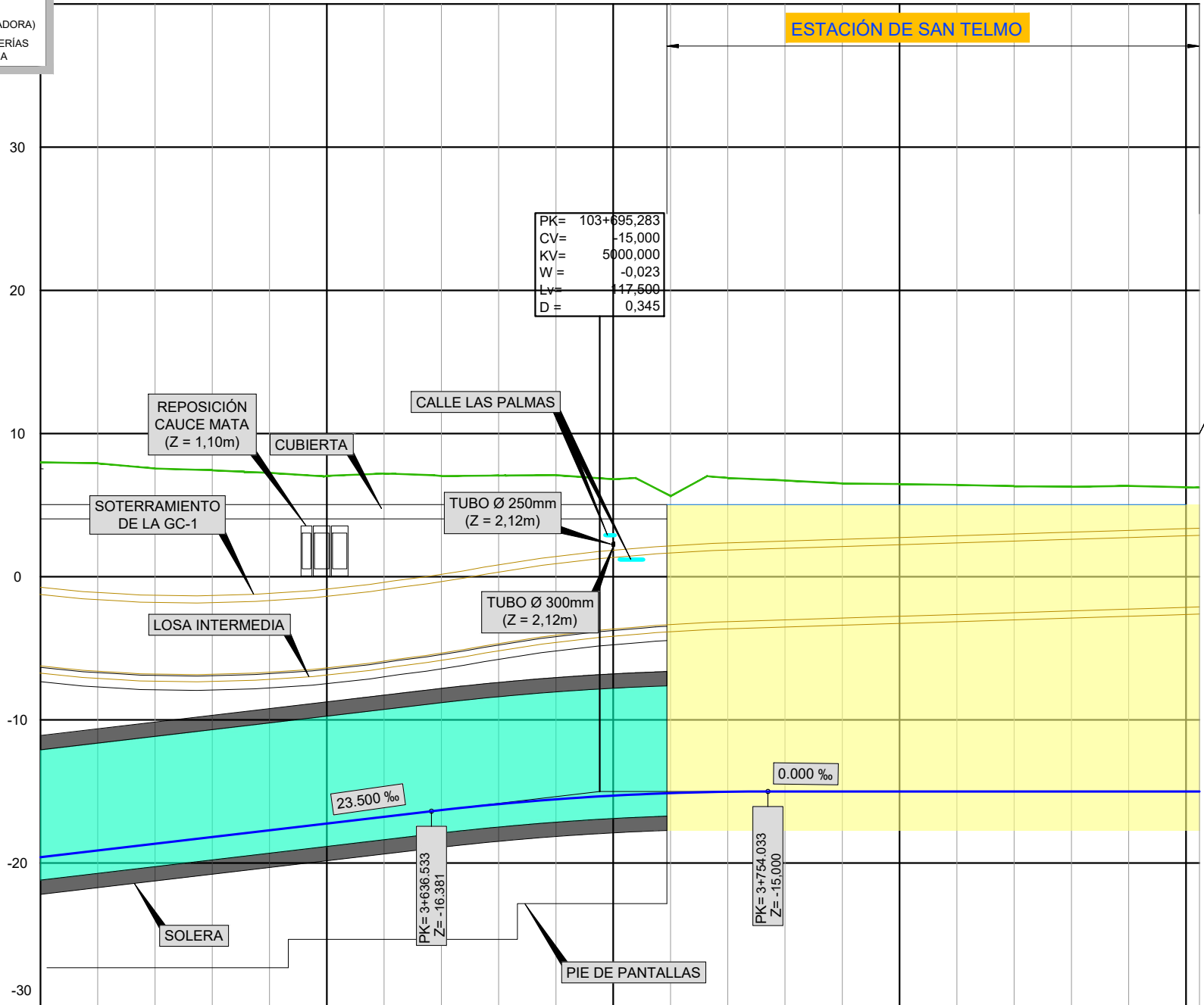
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



COTA DE CABEZA DE CARRIL	-28.24	-28.14	-28.04	-27.94	-27.84	-27.74	-27.64	-27.54	-27.44	-27.34	-27.24	-27.14	-27.04	-26.94	-26.84	-26.74	-26.64	-26.54	-26.44	-26.34	-26.18	-25.94	-25.62	-25.22	-24.76	-24.29	-23.82	-23.35	-22.88	-22.41	-21.94	-21.47	-21.00	-20.53	-20.06	-19.59					
COTA DEL TERRENO	8.82	8.72	8.78	8.68	8.76	8.62	8.55	8.46	8.35	8.37	8.38	8.35	8.32	8.32	8.27	8.24	8.25	8.25	8.19	8.16	8.18	8.09	8.05	8.08	8.03	8.02	8.10	7.97	8.07	7.85	7.80	7.71	7.69	7.72	7.85	7.99					
COTAS ROJAS	DESMONTE		37.07	36.86	36.82	36.62	36.60	36.36	36.19	36.00	35.80	35.71	35.62	35.49	35.36	35.26	35.11	34.98	34.89	34.79	34.63	34.49	34.36	34.03	33.67	33.32	32.79	32.31	31.92	31.32	30.95	30.26	29.74	29.18	28.69	28.25	27.91	27.58			
COTAS ROJAS	TERRAPLEN																																								
P.K. ABSOLUTO	2+800				2+900						3+000										3+200																			3+500	
P.K. RELATIVO	102+800				102+900						103+000										103+200																				103+500
CURVATURAS	RECTA																														A=160			R=300			A=160				
																															3+355.830			3+440.830			3+486.146				

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



FIN TRAMO 1 - INICIO TRAMO 2

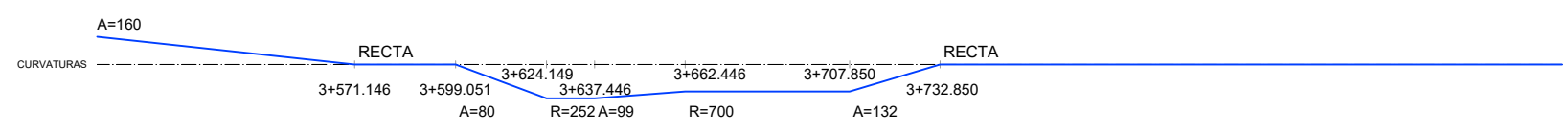
	TRAMO 1	TRAMO 2
PK Relativo	103+904,582	199+910,892
PK Absoluto	3+904,582	
X:	459271,926	
Y:	3109278,009	
Cota	-15,000	
Radio	0,000	
Azimut	174,460545	
Pendiente (‰)	0,000	

PK= 103+695,283
 CV= -15,000
 KV= 5000,000
 W= -0,023
 Lv= 17,600
 D= 0,345

0.000 ‰

COTAS ROJAS	COTA DE CABEZA DE CARRIL	
	DESMONTE	TERRAPLEN
	7.99	19.59
	7.92	19.12
	7.55	18.65
	7.44	18.18
	7.26	17.71
	7.05	17.24
	7.20	16.77
	7.03	16.30
	7.06	15.88
	7.09	15.55
	6.81	15.29
	5.64	15.12
	6.89	15.02
	6.72	15.00
	6.51	15.00
	6.47	15.00
	6.41	15.00
	6.32	15.00
	6.28	15.00
	6.34	15.00
	6.25	15.00

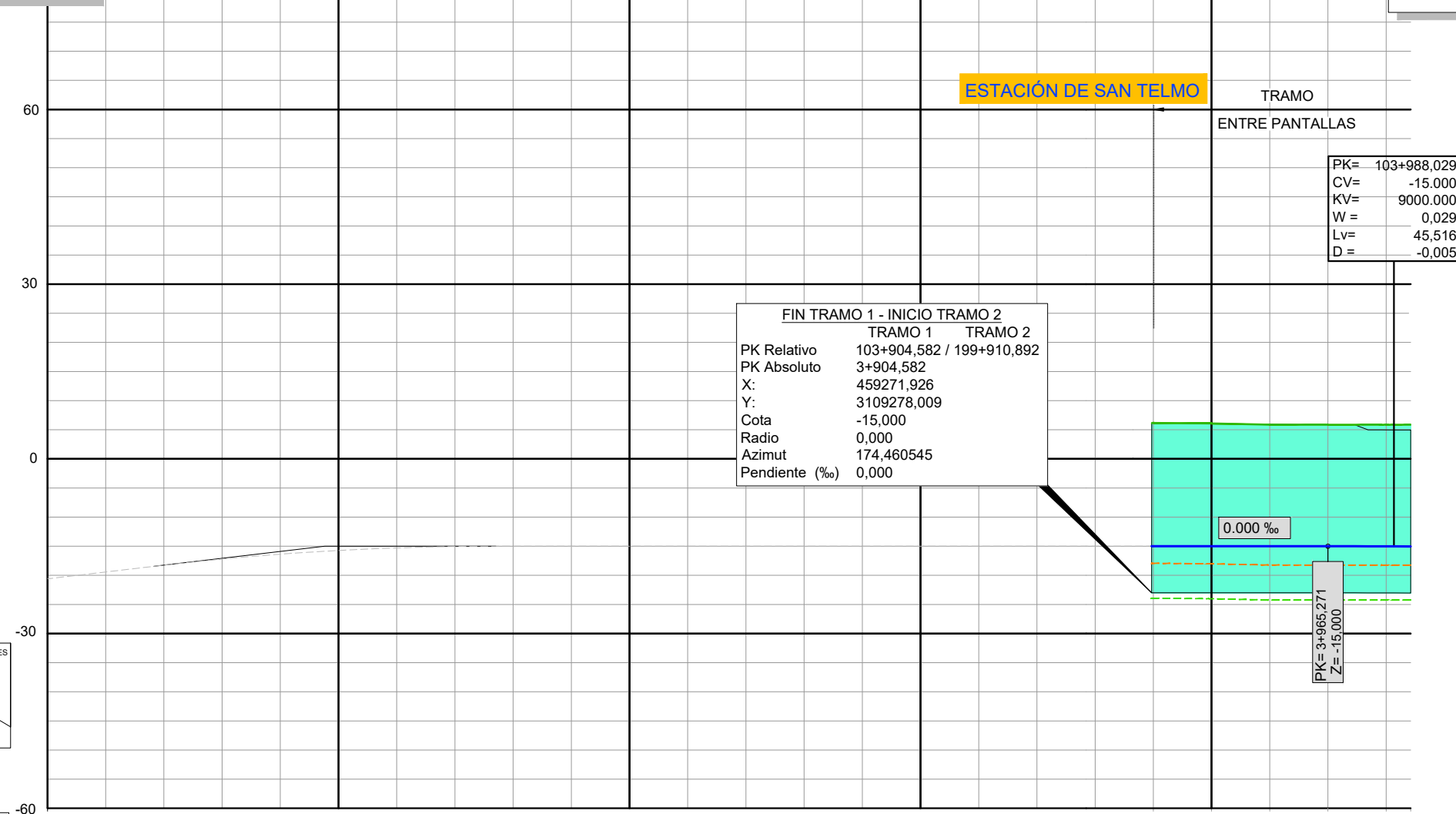
P.K. ABSOLUTO	3+500	3+600	3+700	3+800	3+900
P.K. RELATIVO	103+500	103+600	103+700	103+800	103+900



LEYENDA

	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

	RASANTE
	LÍNEA COTA -2 DIÁMETRO
	LÍNEA COTA -30 m

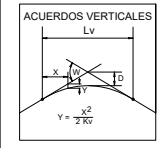


FIN TRAMO 1 - INICIO TRAMO 2

	TRAMO 1	TRAMO 2
PK Relativo	103+904,582	199+910,892
PK Absoluto	3+904,582	
X:	459271,926	
Y:	3109278,009	
Cota	-15,000	
Radio	0,000	
Azimut	174,460545	
Pendiente (‰)	0,000	

PK=	103+988,029
CV=	-15,000
KV=	9000,000
W =	0,029
Lv=	45,516
D =	-0,005

PK= 3+985,271
Z= -15,000



	3+904,7				3+993,69
P.K. ABSOLUTO					
P.K. RELATIVO					
COTA DE RASANTE					
COTA DE TERRENO					
COTA ROJA DESMONTE					
COTA ROJA TERRAPLÉN					
DIAGRAMA DE CURVATURAS					
DIAGRAMA DE PERALTES					
T. MUNICIPAL					

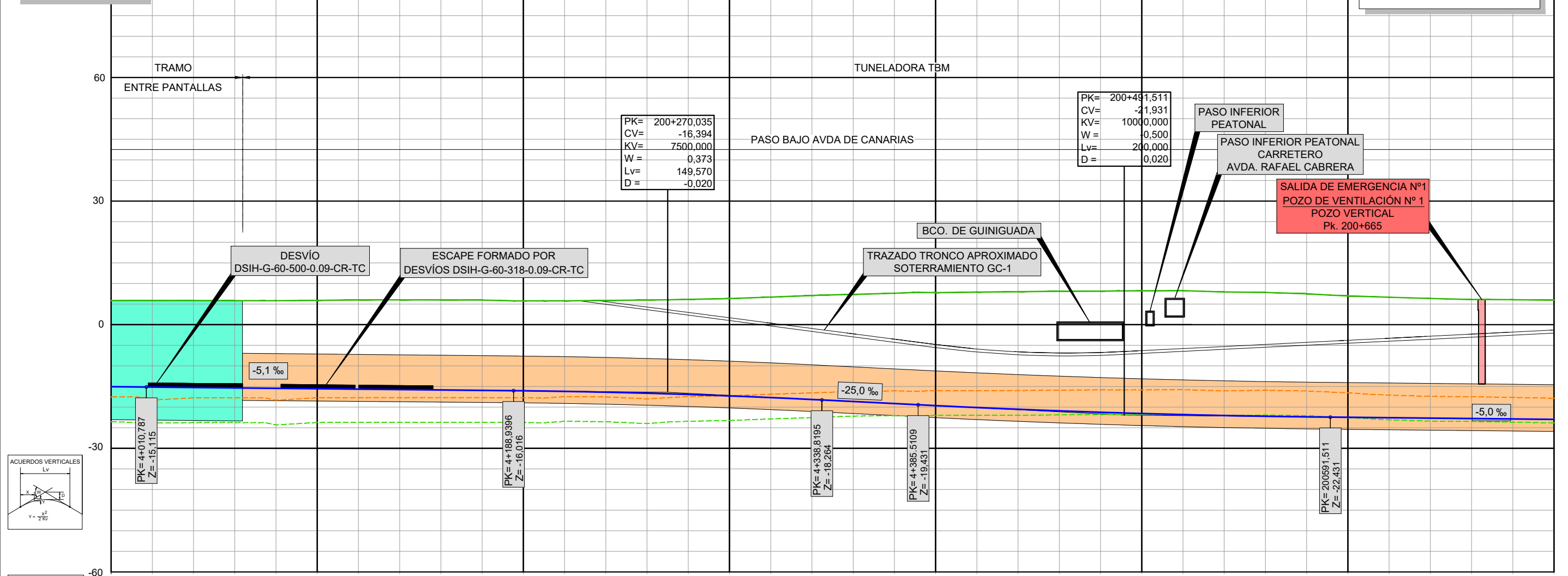
EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

T. M. LAS PALMAS DE GRAN CANARIA

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



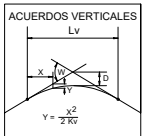
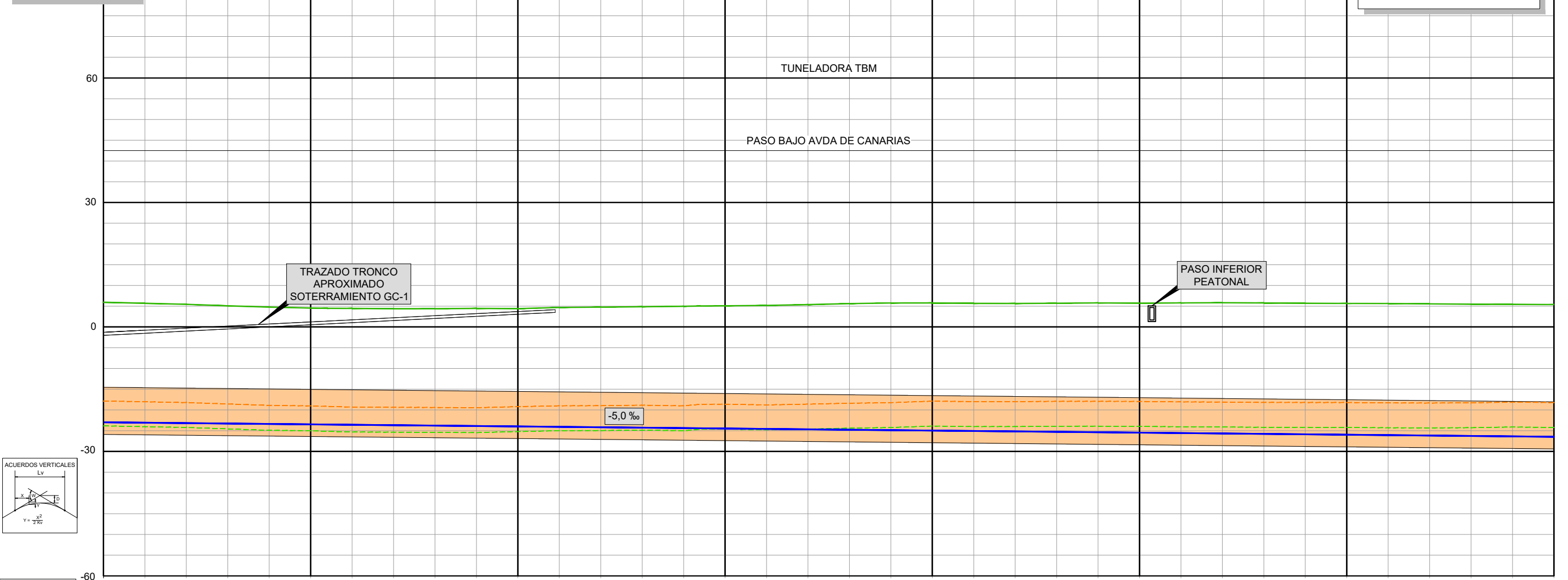
P.K. ABSOLUTO	3+993,69	4+094	4+194	4+294	4+394	4+494	4+594	4+694
P.K. RELATIVO	200+000	200+100	200+200	200+300	200+400	200+500	200+600	200+700

COTA DE RASANTE	-15,045	-15,130	-15,231	-15,332	-15,433	-15,534	-15,636	-15,737	-15,838	-15,939	-16,042	-16,142	-16,243	-16,344	-16,445	-16,546	-16,647	-16,748	-16,849	-16,950	-17,051	-17,152	-17,253	-17,354	-17,455	-17,556	-17,657	-17,758	-17,859	-17,960	-18,061	-18,162	-18,263	-18,364	-18,465	-18,566	-18,667	-18,768	-18,869	-18,970	-19,071	-19,172	-19,273	-19,374	-19,475	-19,576	-19,677	-19,778	-19,879	-19,980	-20,081	-20,182	-20,283	-20,384	-20,485	-20,586	-20,687	-20,788	-20,889	-20,990	-21,091	-21,192	-21,293	-21,394	-21,495	-21,596	-21,697	-21,798	-21,899	-22,000	-22,101	-22,202	-22,303	-22,404	-22,505	-22,606	-22,707	-22,808	-22,909	-23,010	-23,111	-23,212	-23,313	-23,414	-23,515	-23,616	-23,717	-23,818	-23,919	-24,020	-24,121	-24,222	-24,323	-24,424	-24,525	-24,626	-24,727	-24,828	-24,929	-25,030	-25,131	-25,232	-25,333	-25,434	-25,535	-25,636	-25,737	-25,838	-25,939	-26,040	-26,141	-26,242	-26,343	-26,444	-26,545	-26,646	-26,747	-26,848	-26,949	-27,050	-27,151	-27,252	-27,353	-27,454	-27,555	-27,656	-27,757	-27,858	-27,959	-28,060	-28,161	-28,262	-28,363	-28,464	-28,565	-28,666	-28,767	-28,868	-28,969	-29,070	-29,171	-29,272	-29,373	-29,474	-29,575	-29,676	-29,777	-29,878	-29,979	-30,080	-30,181	-30,282	-30,383	-30,484	-30,585	-30,686	-30,787	-30,888	-30,989	-31,090	-31,191	-31,292	-31,393	-31,494	-31,595	-31,696	-31,797	-31,898	-31,999	-32,100	-32,201	-32,302	-32,403	-32,504	-32,605	-32,706	-32,807	-32,908	-33,009	-33,110	-33,211	-33,312	-33,413	-33,514	-33,615	-33,716	-33,817	-33,918	-34,019	-34,120	-34,221	-34,322	-34,423	-34,524	-34,625	-34,726	-34,827	-34,928	-35,029	-35,130	-35,231	-35,332	-35,433	-35,534	-35,635	-35,736	-35,837	-35,938	-36,039	-36,140	-36,241	-36,342	-36,443	-36,544	-36,645	-36,746	-36,847	-36,948	-37,049	-37,150	-37,251	-37,352	-37,453	-37,554	-37,655	-37,756	-37,857	-37,958	-38,059	-38,160	-38,261	-38,362	-38,463	-38,564	-38,665	-38,766	-38,867	-38,968	-39,069	-39,170	-39,271	-39,372	-39,473	-39,574	-39,675	-39,776	-39,877	-39,978	-40,079	-40,180	-40,281	-40,382	-40,483	-40,584	-40,685	-40,786	-40,887	-40,988	-41,089	-41,190	-41,291	-41,392	-41,493	-41,594	-41,695	-41,796	-41,897	-41,998	-42,099	-42,200	-42,301	-42,402	-42,503	-42,604	-42,705	-42,806	-42,907	-43,008	-43,109	-43,210	-43,311	-43,412	-43,513	-43,614	-43,715	-43,816	-43,917	-44,018	-44,119	-44,220	-44,321	-44,422	-44,523	-44,624	-44,725	-44,826	-44,927	-45,028	-45,129	-45,230	-45,331	-45,432	-45,533	-45,634	-45,735	-45,836	-45,937	-46,038	-46,139	-46,240	-46,341	-46,442	-46,543	-46,644	-46,745	-46,846	-46,947	-47,048	-47,149	-47,250	-47,351	-47,452	-47,553	-47,654	-47,755	-47,856	-47,957	-48,058	-48,159	-48,260	-48,361	-48,462	-48,563	-48,664	-48,765	-48,866	-48,967	-49,068	-49,169	-49,270	-49,371	-49,472	-49,573	-49,674	-49,775	-49,876	-49,977	-50,078	-50,179	-50,280	-50,381	-50,482	-50,583	-50,684	-50,785	-50,886	-50,987	-51,088	-51,189	-51,290	-51,391	-51,492	-51,593	-51,694	-51,795	-51,896	-51,997	-52,098	-52,199	-52,300	-52,401	-52,502	-52,603	-52,704	-52,805	-52,906	-53,007	-53,108	-53,209	-53,310	-53,411	-53,512	-53,613	-53,714	-53,815	-53,916	-54,017	-54,118	-54,219	-54,320	-54,421	-54,522	-54,623	-54,724	-54,825	-54,926	-55,027	-55,128	-55,229	-55,330	-55,431	-55,532	-55,633	-55,734	-55,835	-55,936	-56,037	-56,138	-56,239	-56,340	-56,441	-56,542	-56,643	-56,744	-56,845	-56,946	-57,047	-57,148	-57,249	-57,350	-57,451	-57,552	-57,653	-57,754	-57,855	-57,956	-58,057	-58,158	-58,259	-58,360	-58,461	-58,562	-58,663	-58,764	-58,865	-58,966	-59,067	-59,168	-59,269	-59,370	-59,471	-59,572	-59,673	-59,774	-59,875	-59,976	-60,077	-60,178	-60,279	-60,380	-60,481	-60,582	-60,683	-60,784	-60,885	-60,986	-61,087	-61,188	-61,289	-61,390	-61,491	-61,592	-61,693	-61,794	-61,895	-61,996	-62,097	-62,198	-62,299	-62,400	-62,501	-62,602	-62,703	-62,804	-62,905	-63,006	-63,107	-63,208	-63,309	-63,410	-63,511	-63,612	-63,713	-63,814	-63,915	-64,016	-64,117	-64,218	-64,319	-64,420	-64,521	-64,622	-64,723	-64,824	-64,925	-65,026	-65,127	-65,228	-65,329	-65,430	-65,531	-65,632	-65,733	-65,834	-65,935	-66,036	-66,137	-66,238	-66,339	-66,440	-66,541	-66,642	-66,743	-66,844	-66,945	-67,046	-67,147	-67,248	-67,349	-67,450	-67,551	-67,652	-67,753	-67,854	-67,955	-68,056	-68,157	-68,258	-68,359	-68,460	-68,561	-68,662	-68,763	-68,864	-68,965	-69,066	-69,167	-69,268	-69,369	-69,470	-69,571	-69,672	-69,773	-69,874	-69,975	-70,076	-70,177	-70,278	-70,379	-70,480	-70,581	-70,682	-70,783	-70,884	-70,985	-71,086	-71,187	-71,288	-71,389	-71,490	-71,591	-71,692	-71,793	-71,894	-71,995	-72,096	-72,197	-72,298	-72,399	-72,500	-72,601	-72,702	-72,803	-72,904	-73,005	-73,106	-73,207	-73,308	-73,409	-73,510	-73,611	-73,712	-73,813	-73,914	-74,015	-74,116	-74,217	-74,318	-74,419	-74,520	-74,621	-74,722	-74,823	-74,924	-75,025	-75,126	-75,227	-75,328	-75,429	-75,530	-75,631	-75,732	-75,833	-75,934	-76,035	-76,136	-76,237	-76,338	-76,439	-76,540	-76,641	-76,742	-76,843	-76,944	-77,045	-77,146	-77,247	-77,348	-77,449	-77,550	-77,651	-77,752	-77,853	-77,954	-78,055	-78,156	-78,257	-78,358	-78,459	-78,560	-78,661	-78,762	-78,863	-78,964	-79,065	-79,166	-79,267	-79,368	-79,469	-79,570	-79,671	-79,772	-79,873	-79,974	-80,075	-80,176	-80,277	-80,378	-80,479	-80,580	-80,681	-80,782	-80,883	-80,984	-81,085	-81,186	-81,287	-81,388	-81,489	-81,590	-81,691	-81,792	-81,893	-81,994	-82,095	-82,196	-82,297	-82,398	-82,499	-82,600	-82,701	-82,802	-82,903	-83,004	-83,105	-83,206	-83,307	-83,408	-83,509	-83,610	-83,711	-83,812	-83,913	-84,014	-84,115	-84,216	-84,317	-84,418	-84,519	-84,620	-84,721	-84,822	-84,923	-85,024	-85,125	-85,226	-85,327	-85,428	-85,529	-85,630	-85,731	-85,832	-85,933	-86,034	-86,135	-86,236	-86,337	-86,438	-86,539	-86,640	-86,741	-86,842	-86,943	-87,044	-87,145	-87,246	-87,347	-87,448	-87,549	-87,650	-87,751	-87,852	-87,953	-88,054	-88,155	-88,256	-88,357	-88,458	-88,559	-88,660	-88,761	-88,862	-88,963	-89,064	-89,165	-89,266	-89,367	-89,468	-89,569	-89,670	-89,771	-89,872	-89,973	-90,074	-90,175	-90,276	-90,377	-90,478	-90,579	-90,680	-90,781	-90,882	-90,983	-91,084	-91,185	-91,286	-91,387	-91,488	-91,589	-91,690	-91,791	-91,892	-91,993	-92,094	-92,195	-92,296	-92,397	-92,498	-92,599	-92,700	-92,801	-92,902	-93,003	-93,104	-93,205	-93,306	-93,407	-93,508	-93,609	-93,710	-93,811	-93,912	-94,013	-94,114	-94,215	-94,316	-94,417	-94,518	-94,619	-94,720	-94,821	-94,922	-95,023	-95,124	-95,225	-95,326	-95,427	-95,528	-95,629	-95,730	-95,831	-95,932	-96,033	-96,134	-96,235	-96,336	-96,437	-96,538	-96,639	-96,740	-96,841	-96,942	-97,043	-97,144	-97,245	-97,346	-97,447	-97,548	-97,649	-97,750	-97,851	-97,952	-98,053	-98,154	-98,255	-98,356	-98,457	-98,558	-98,659	-98,760	-98,861	-98,962	-99,063	-99,164	-99,265	-99,366	-99,467	-99,568	-99,669	-99,770	-99,871	-99,972	-100,073	-100,174	-100,275	-100,376	-100,477	-100,578	-100,679	-100,780	-100,881	-100,982	-101,083	-101,184	-101,285	-101,386	-101,487	-101,588	-101,689	-101,790	-101,891	-101,992	-102,093	-102,194	-102,295	-102,396	-102,497	-102,598	-102,699	-102,800	-102,901	-103,002	-103,103	-103,204	-103,305	-103,406	-103,507	-103,608	-103,709	-103,810	-103,911	-104,012	-104,113	-104,214	-104,315	-104,416	-104,517	-104,618	-104,719	-104,820	-104,921	-105,022	-105,123	-105,224	-105,325	-105,426	-105,527	-105,628	-105,729	-105,830	-105,931	-106,032	-106,133	-106,234	-106,335	-106,436	-106,537	-106,638	-106,739	-106,840	-106,941	-107,042	-107,143	-107,244	-107,345	-107,446	-107,547	-107,648	-107,749	-107,850	-107,951	-108,052	-108,153	-108,254	-108,355	-108,456	-108,557	-108,658	-108,759	-108,860	-108,961	-109,062	-109,163	-109,264	-109,365	-109,466	-109,567	-109,668	-109,769	-109,870	-109,971	-110,072	-110,173	-110,274	-110,375	-110,476	-110,577	-110,678	-110,779	-110,880	-110,981	-111,082	-111,183	-111,284	-111,385	-111,486	-111,587	-111,688	-111,789	-111,890	-111,991	-112,092	-112,193	-112,294	-112,395	-112,496	-112,597	-112,698	-112,799	-112,900	-113,001	-113,102	-113,203	-113,304	-113,405	-113,506	-113,607	-113,708	-113,809	-113,910	-114,011	-114,112	-114,213	-114,314	-114,415	-114,516	-114,617	-114,718	-114,819	-114,920	-115,021	-115,122	-115,223	-115,324	-115,425	-115,526	-115,627	-115,728	-115,829	-115,930	-116,031	-116,132	-116,233	-116,334	-116,435	-116,536	-116,637	-116,738	-116,839	-116,940	-117,041	-117,142	-117,243	-117,344	-117,445	-117,546	-117,647	-117,748	-117,849	-117,950	-118,051	-118,152	-118,253	-118,354	-118,455	-118,556	-118,657	-118,758	-118
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LEYENDA

	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

	RASANTE
	LÍNEA COTA -2 DIÁMETRO
	LÍNEA COTA -30 m



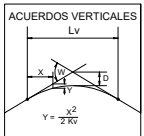
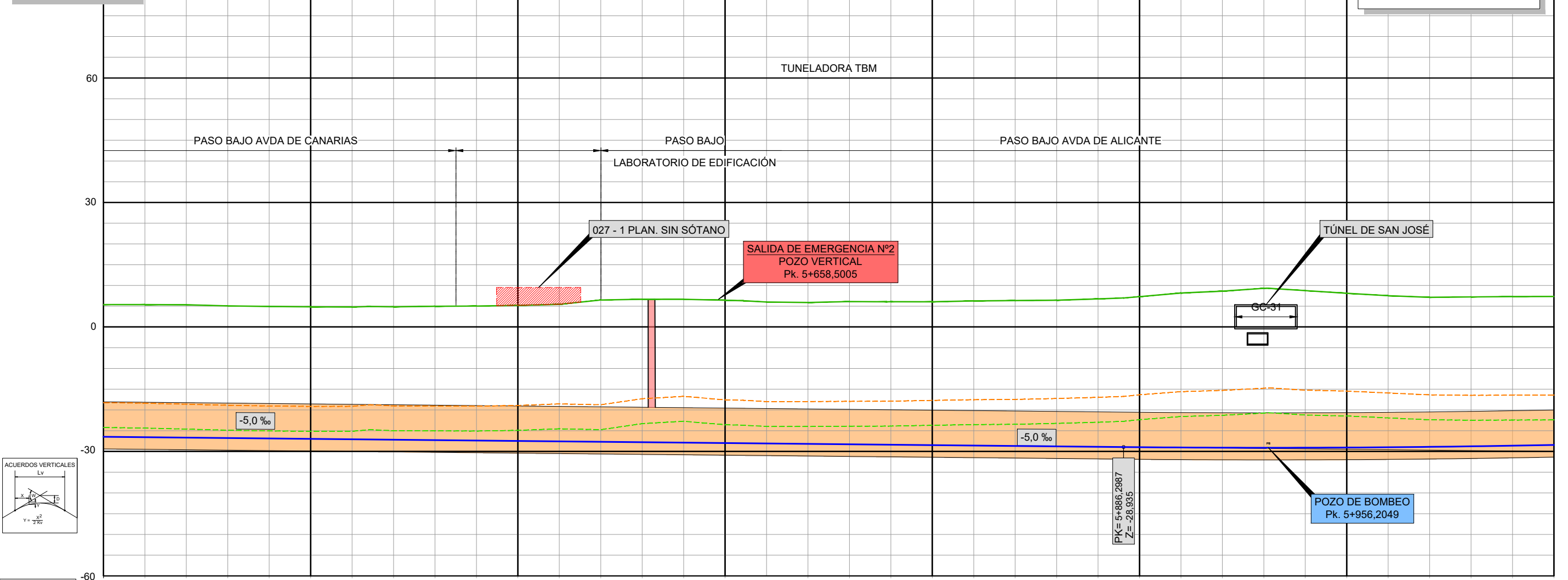
P.K. ABSOLUTO	4+694	4+794	4+894	4+994	5+094	5+194	5+294	5+394																												
P.K. RELATIVO	200+700	200+800	200+900	201+000	201+100	201+200	201+300	201+400																												
COTA DE RASANTE	-22.974	-23.074	-23.174	-23.274	-23.374	-23.474	-23.574	-23.674	-23.774	-23.874	-23.974	-24.074	-24.174	-24.274	-24.374	-24.474	-24.574	-24.674	-24.774	-24.874	-24.974	-25.074	-25.174	-25.274	-25.374	-25.474	-25.574	-25.674	-25.774	-25.874	-25.974	-26.074	-26.174	-26.274	-26.374	-26.474
COTA DE TERRENO	5.96	5.70	5.46	5.09	4.79	4.56	4.47	4.39	4.40	4.48	4.41	4.70	4.78	4.88	4.99	5.09	5.19	5.38	5.63	5.78	5.78	5.68	5.66	5.71	5.80	5.72	5.80	5.84	5.79	5.71	5.67	5.65	5.56	5.49	5.45	5.40
COTA ROJA DESMONTE	28.93	28.77	28.63	28.36	28.17	28.03	28.05	28.06	28.17	28.35	28.39	28.77	28.96	29.15	29.36	29.57	29.76	30.06	30.41	30.65	30.76	30.75	30.83	30.98	31.18	31.19	31.37	31.52	31.56	31.58	31.65	31.73	31.73	31.77	31.82	31.87
COTA ROJA TERRAPLÉN																																				
DIAGRAMA DE CURVATURAS	RECTA L=138.995		A=445 L=180.000										R=1100 L=540.766																							
DIAGRAMA DE PERALTES	4+802,1018										4+982,1018										BD: 115.00mm															
T. MUNICIPAL	TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																																			

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



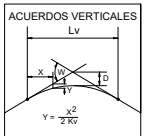
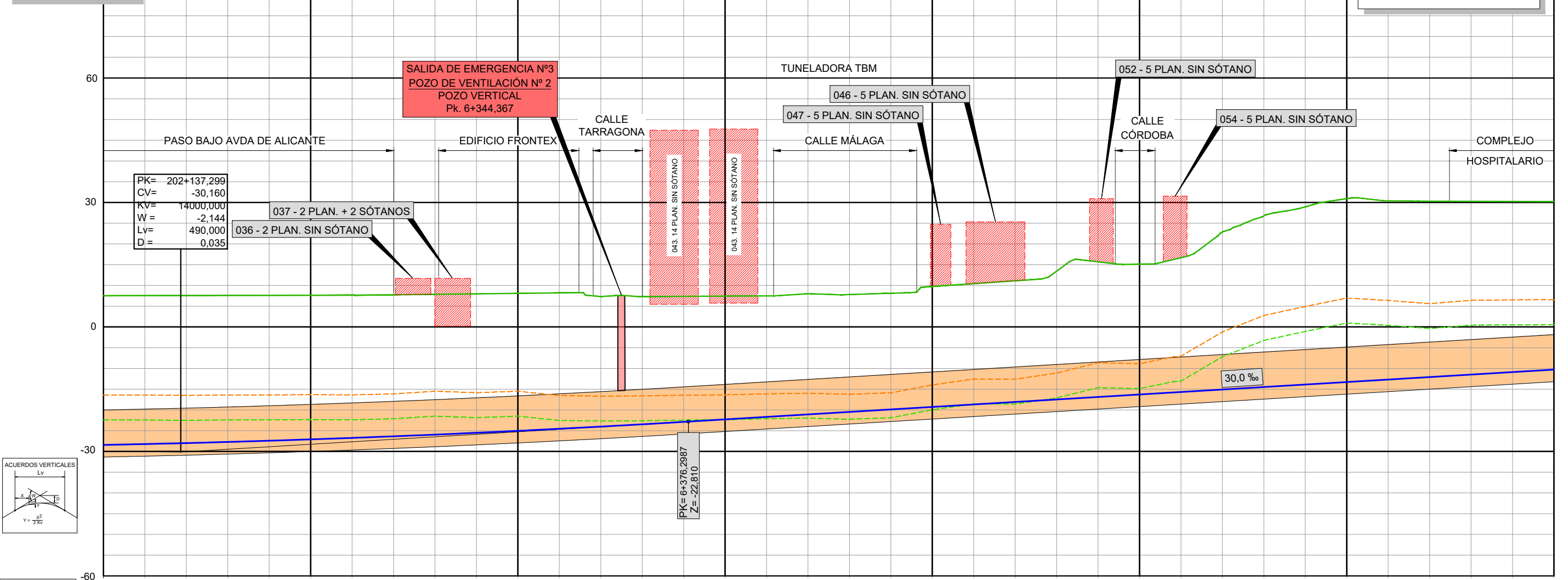
P.K. ABSOLUTO	5+394	5+494	5+594	5+694	5+794	5+894	5+994	6+094																													
P.K. RELATIVO	201+400	201+500	201+600	201+700	201+800	201+900	202+000	202+100																													
COTA DE RASANTE	-26,474	-26,574	-26,674	-26,774	-26,874	-26,974	-27,074	-27,174	-27,274	-27,374	-27,474	-27,574	-27,674	-27,774	-27,874	-27,974	-28,073	-28,174	-28,274	-28,374	-28,474	-28,574	-28,674	-28,774	-28,874	-28,972	-29,046	-29,092	-29,110	-29,099	-29,059	-28,991	-28,895	-28,769	-28,615	-28,433	
COTA DE TERRENO	5,40	5,39	5,34	5,08	4,94	4,86	4,80	4,86	4,98	5,03	5,19	5,45	6,50	6,67	6,67	6,44	6,01	5,90	6,11	6,08	6,06	6,27	6,35	6,44	6,76	7,30	8,18	8,62	9,31	8,76	8,11	7,53	7,14	7,23	7,32	7,35	
COTA ROJA DESMONTE	31,87	31,96	32,02	31,86	31,82	31,83	31,88	32,03	32,26	32,41	32,67	33,02	34,17	34,45	34,54	34,41	34,08	34,07	34,39	34,45	34,54	34,85	35,03	35,21	35,63	36,27	37,23	37,72	38,42	37,86	37,17	36,52	36,04	36,00	35,94	35,76	
COTA ROJA TERRAPLÉN																																					
DIAGRAMA DE CURVATURAS	R=1100 L=540,766										A=485 L=180,000										R=7000 L=733,934																
DIAGRAMA DE PERALTES	BD: 115,00mm										BD: 115,00mm										BD: 115,00mm																
T. MUNICIPAL	TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																																				

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



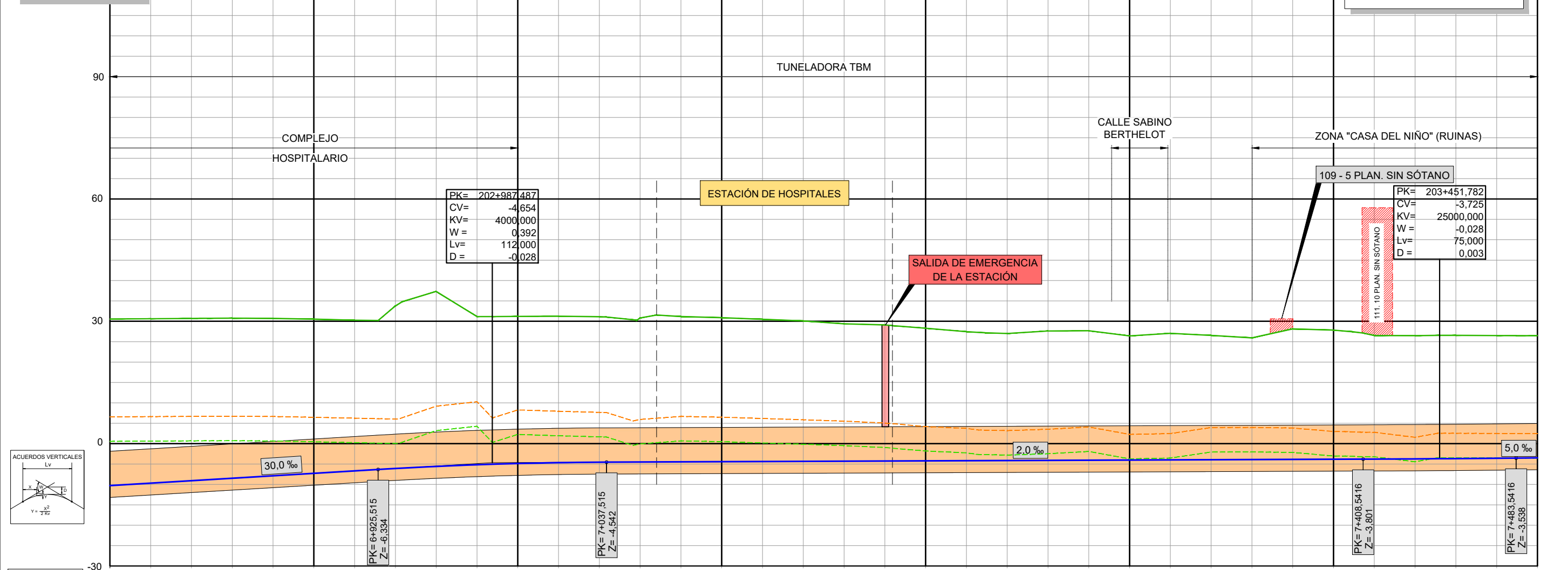
P.K. ABSOLUTO	6+094	6+194	6+294	6+394	6+494	6+594	6+694	6+794																																										
P.K. RELATIVO	202+100	202+200	202+300	202+400	202+500	202+600	202+700	202+800																																										
COTA DE RASANTE	-28.433	-28.222	-27.982	-27.714	-27.417	-27.092	-26.738	-26.356	-25.945	-25.505	-25.037	-24.540	-24.015	-23.461	-22.879	-22.279	-21.679	-21.079	-20.479	-19.879	-19.279	-18.679	-18.079	-17.479	-16.879	-16.279	-15.679	-15.079	-14.479	-13.879	-13.279	-12.679	-12.079	-11.479	-10.879	-10.279														
COTA DE TERRENO	7.35	7.26	7.25	7.32	7.54	7.53	7.62	8.33	8.08	8.02	7.90	7.62	7.24	7.39	7.54	7.67	7.51	7.92	7.75	8.12	9.70	11.41	11.37	13.06	15.97	15.18	16.70	22.87	26.92	29.10	30.26	30.32	30.27	30.40	30.50	30.57														
COTA ROJA DESMONTE	35.76	35.48	35.24	35.03	34.96	34.63	34.36	34.68	34.02	33.52	32.94	32.16	31.26	30.85	30.42	29.95	29.19	29.00	28.23	28.00	28.98	30.09	29.45	30.54	32.85	31.45	32.38	37.95	41.40	42.98	43.54	43.00	42.35	41.88	41.38	40.85														
COTA ROJA TERRAPLÉN																																																		
DIAGRAMA DE CURVATURAS											R=7000 L=733.934											A=648 L=60.000											A=242 L=115.000											R=510 L=325.666						
DIAGRAMA DE PERALTES																																																		
T. MUNICIPAL											TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																																							

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



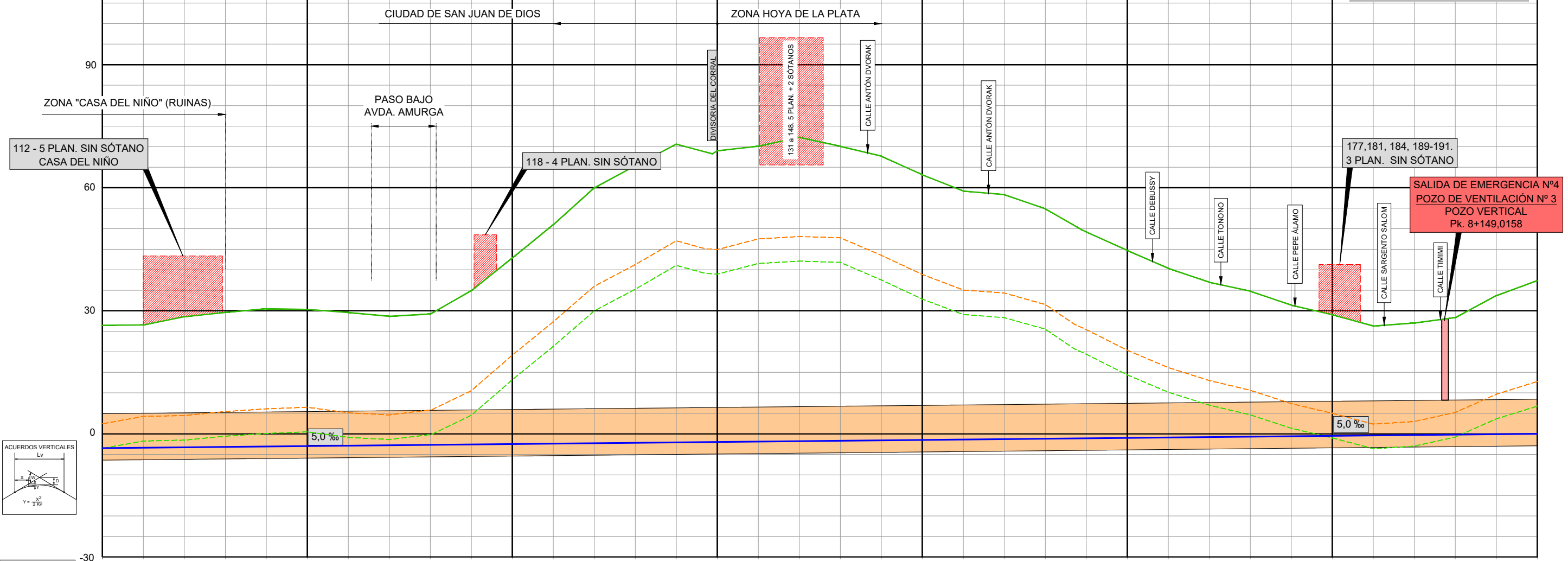
P.K. ABSOLUTO	6+794	6+894	6+994	7+094	7+194	7+294	7+394	7+494																														
P.K. RELATIVO	202+800	202+900	203+000	203+100	203+200	203+300	203+400	203+500																														
COTA DE RASANTE	-10,279	-9,679	-9,079	-8,479	-7,879	-7,279	-6,679	-6,088	-5,581	-5,173	-4,865	-4,658	-4,550	-4,509	-4,469	-4,429	-4,389	-4,349	-4,309	-4,269	-4,229	-4,189	-4,149	-4,109	-4,069	-4,029	-3,989	-3,949	-3,909	-3,869	-3,829	-3,788	-3,736	-3,687	-3,583	-3,485		
COTA DE TERRENO	30,57	30,63	30,70	30,77	30,71	30,54	30,28	33,78	37,33	31,16	31,20	31,24	31,13	30,83	31,18	30,88	30,49	30,09	29,39	29,12	28,30	27,46	27,01	27,63	27,69	26,43	27,05	26,55	25,94	28,15	27,84	26,51	26,49	26,55	26,51	26,46		
COTA ROJA DESMONTE	40,85	40,31	39,78	39,25	38,59	37,82	36,96	39,87	42,91	36,33	36,07	35,90	35,68	35,34	35,65	35,31	34,88	34,44	33,70	33,39	32,53	31,65	31,16	31,74	31,76	30,45	31,04	30,50	29,85	32,02	31,67	30,30	30,23	30,22	30,09	29,95		
COTA ROJA TERRAPLÉN																																						
DIAGRAMA DE CURVATURAS	R=510 L=325,666		A=242 L=115,000		RECTA L=170,704		A=445 L=180,000		R=1100 L=388,369																													
DIAGRAMA DE PERALTES	BD: 128,00mm		BD: 128,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm		BD: 115,00mm			
T. MUNICIPAL	6+937,4665		7+052,467		7+223,1707		7+403,1707																															

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



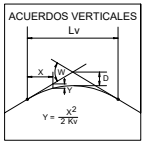
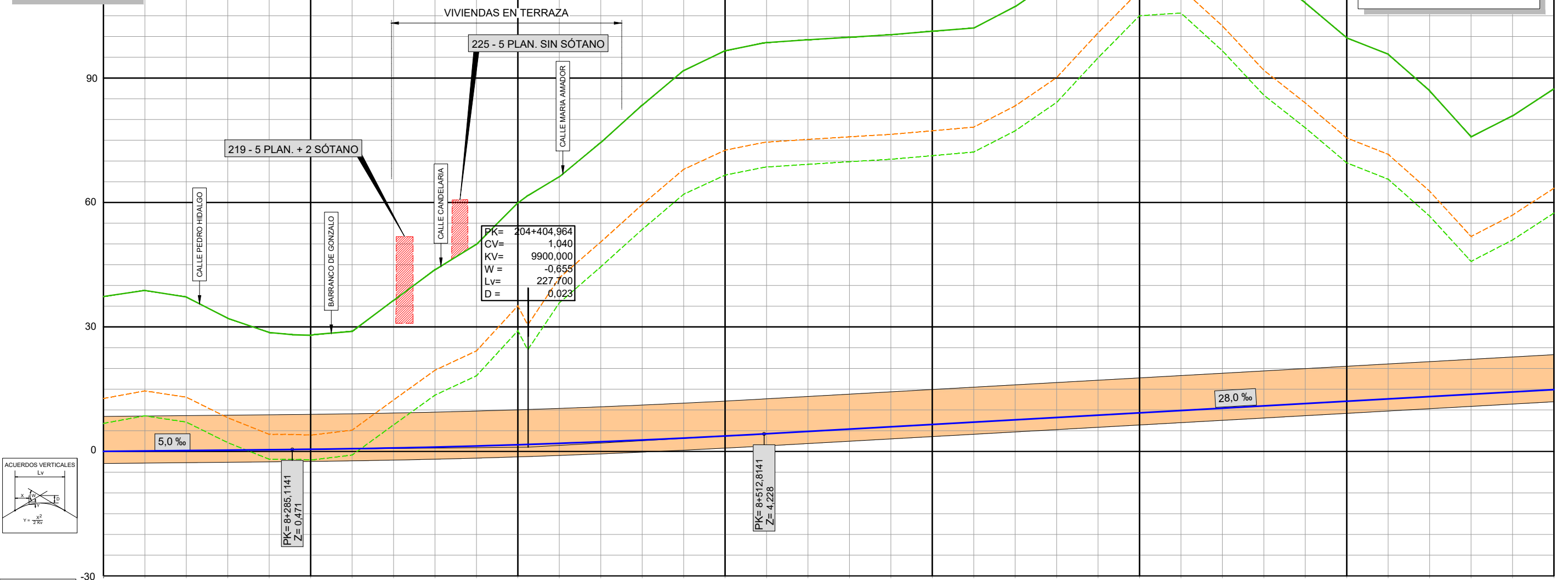
P.K. ABSOLUTO	7+494	7+594	7+694	7+794	7+894	7+994	8+094	8+194																													
P.K. RELATIVO	203+500	203+600	203+700	203+800	203+900	204+000	204+100	204+200																													
COTA DE RASANTE	-3,485	-3,385	-3,285	-3,185	-3,085	-2,985	-2,885	-2,785	-2,685	-2,585	-2,485	-2,385	-2,285	-2,185	-2,085	-1,985	-1,885	-1,785	-1,685	-1,585	-1,485	-1,385	-1,285	-1,185	-1,085	-0,985	-0,885	-0,785	-0,685	-0,585	-0,485	-0,385	-0,285	-0,185	-0,085	0,015	
COTA DE TERRENO	26,46	26,55	26,55	26,60	30,50	30,34	29,59	28,66	29,22	34,89	42,88	51,00	59,97	65,35	70,62	69,00	70,11	72,30	70,10	67,70	63,16	59,18	56,31	54,85	49,23	44,71	40,35	36,97	34,78	31,37	29,04	26,28	27,02	28,35	33,70	37,34	
COTA ROJA DESMONTE	29,95	29,94	31,84	32,79	33,58	33,32	32,47	31,44	31,90	37,48	45,36	53,39	62,26	67,54	72,70	70,99	72,00	74,09	71,78	69,28	64,64	60,57	59,60	56,04	50,31	45,69	41,24	37,76	35,47	31,95	29,52	26,67	27,31	28,54	33,79	37,33	
COTA ROJA TERRAPLÉN																																					
DIAGRAMA DE CURVATURAS	R=1100 L=388,369										A=445 L=180,000										RECTA L=1398,731																
DIAGRAMA DE PERALTES	BD: 115,00mm										BD: 115,00mm																										
T. MUNICIPAL	7+791,5397										7+971,5397										TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

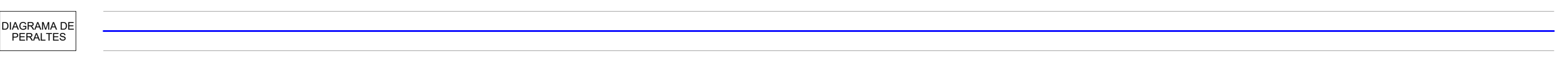
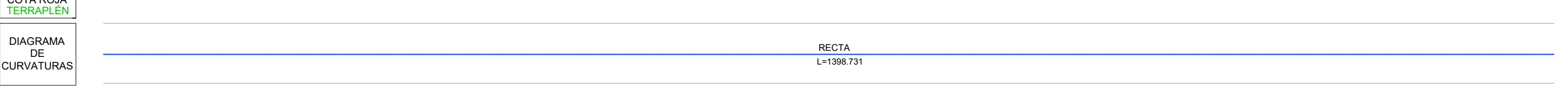
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



P.K. ABSOLUTO	8+194	8+294	8+394	8+494	8+594	8+694	8+794	8+894
P.K. RELATIVO	204+200	204+300	204+400	204+500	204+600	204+700	204+800	204+900

COTA DE RASANTE	0,015	0,115	0,215	0,315	0,415	0,519	0,657	0,836	1,055	1,314	1,614	1,954	2,335	2,756	3,217	3,719	4,261	4,821	5,381	5,941	6,501	7,061	7,621	8,181	8,741	9,301	9,861	10,421	10,981	11,541	12,101	12,661	13,221	13,781	14,341	14,901			
COTA DE TERRENO	37,34	38,80	37,21	32,08	28,66	27,98	28,93	36,39	43,79	49,91	56,90	66,19	74,44	83,44	91,78	96,57	96,53	99,21	99,81	100,43	101,27	102,05	107,22	113,98	124,73	135,11	135,75	126,73	115,76	108,13	99,68	95,72	86,93	75,83	80,87	87,37			
COTA ROJA DESMONTE	37,33	38,68	37,00	31,77	28,25	27,46	28,27	35,56	42,74	48,59	58,28	64,24	72,11	80,68	88,56	92,85	94,27	94,39	94,43	94,49	94,77	94,99	99,59	105,80	115,99	125,81	125,89	116,31	104,77	96,58	87,58	83,06	73,71	62,05	66,53	72,47			
COTA ROJA TERRAPLÉN																																							



T. MUNICIPAL

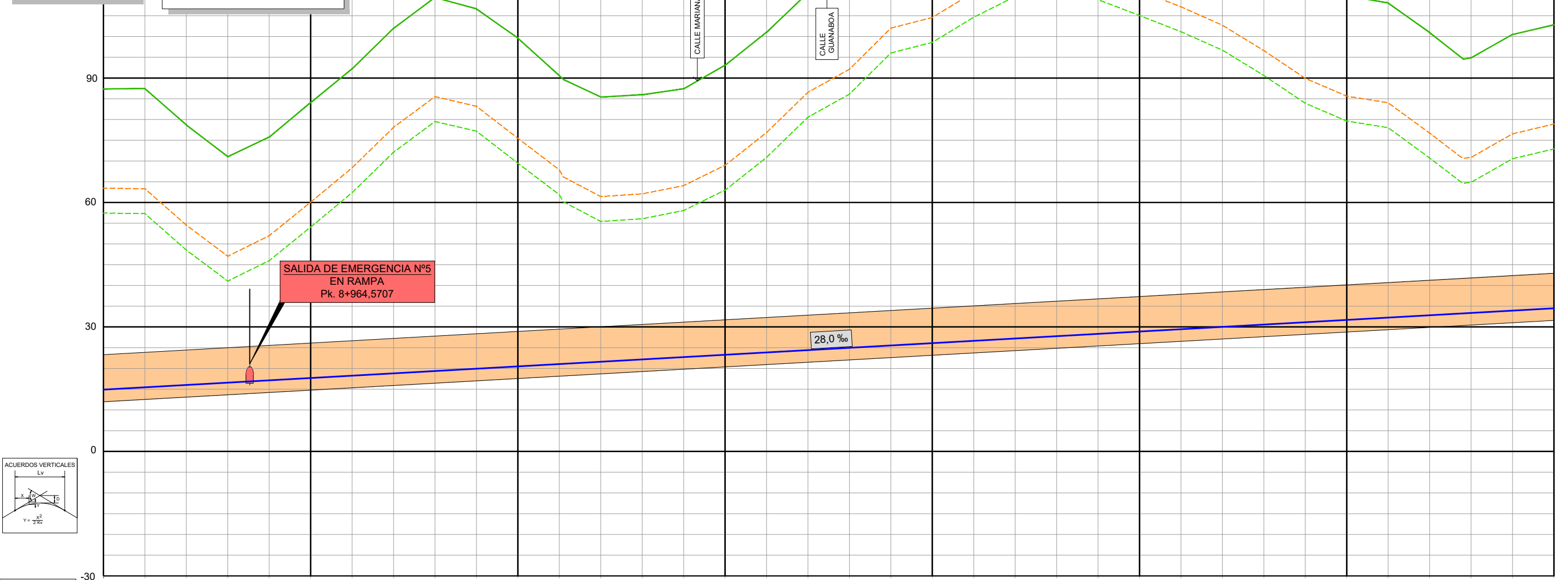
TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



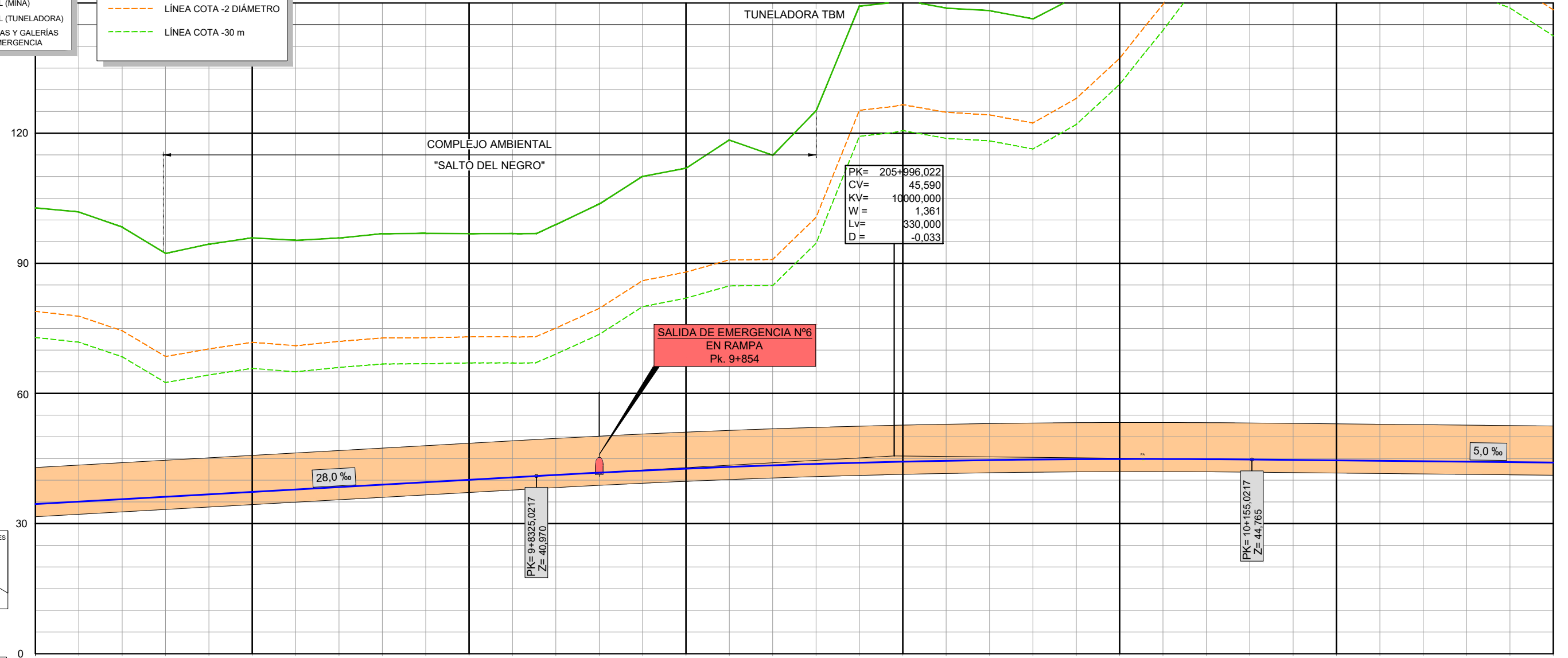
P.K. ABSOLUTO	8+894	8+994	9+094	9+194	9+294	9+394	9+494	9+594																												
P.K. RELATIVO	204+900	205+000	205+100	205+200	205+300	205+400	205+500	205+600																												
COTA DE RASANTE	14.901	15.461	16.021	16.581	17.141	17.701	18.261	18.821	19.381	19.941	20.501	21.061	21.621	22.181	22.741	23.301	23.861	24.421	24.981	25.541	26.101	26.661	27.221	27.781	28.341	28.901	29.461	30.021	30.581	31.141	31.701	32.261	32.821	33.381	33.941	34.501
COTA DE TERRENO	87.37	87.46	78.69	71.04	75.77	84.08	92.20	101.98	109.40	106.66	99.61	90.54	85.40	85.97	87.40	93.08	101.04	110.51	112.28	126.03	120.29	134.58	139.57	141.53	138.94	135.14	131.23	126.84	120.80	113.95	109.81	108.08	100.95	94.87	100.49	102.80
COTA ROJA DESMONTE	72.47	72.00	62.67	54.46	58.63	66.38	73.94	83.16	90.02	86.72	79.10	69.48	63.78	63.79	64.66	69.78	77.18	86.09	87.30	100.49	94.19	107.92	112.35	113.75	110.60	106.24	101.77	96.82	90.22	82.81	78.11	75.82	68.13	61.49	66.55	68.30
COTA ROJA TERRAPLÉN																																				
DIAGRAMA DE CURVATURAS	RECTA L=1398.731																A=538 L=180.000										R=1607 L=1322.172									
DIAGRAMA DE PERALTES																																				
T. MUNICIPAL	TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																																			

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

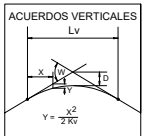
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

	RASANTE
	LÍNEA COTA -2 DIÁMETRO
	LÍNEA COTA -30 m



PK= 205+996,022
 CV= 45,590
 KV= 10000,000
 W = 1,361
 LV= 330,000
 D = -0,033

SALIDA DE EMERGENCIA N°6
 EN RAMPA
 Pk. 9+854



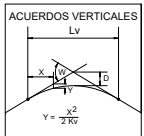
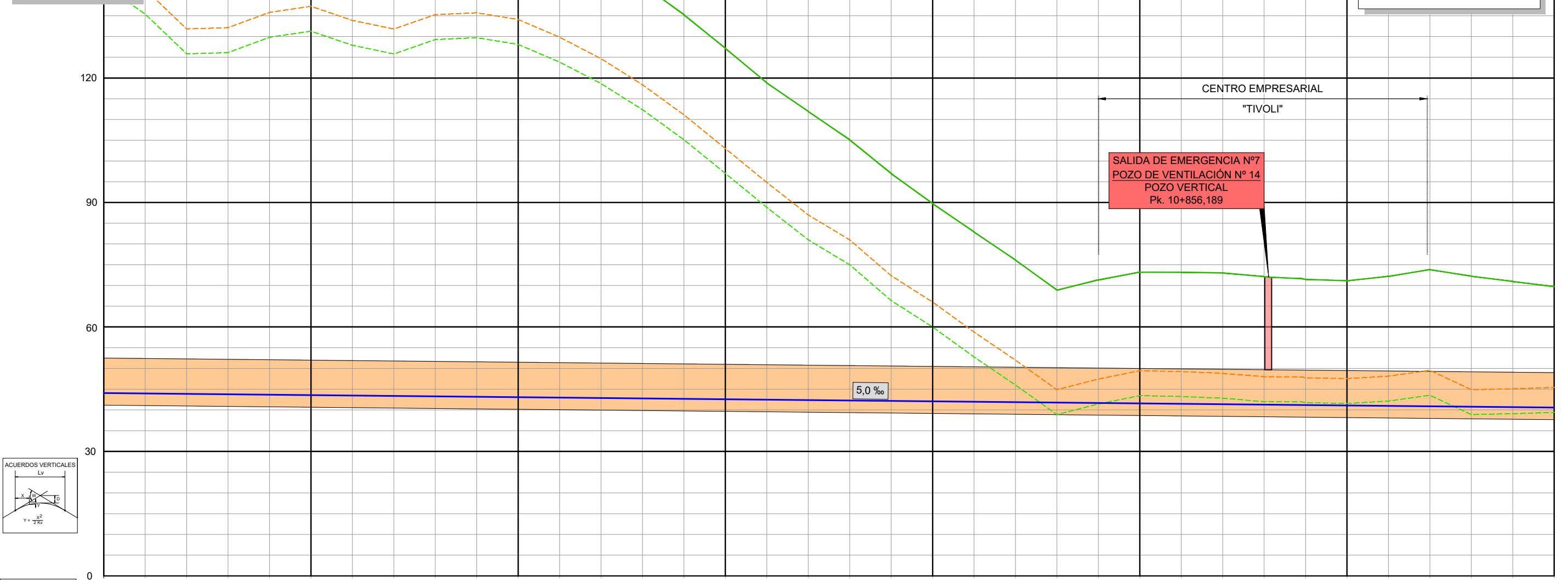
P.K. ABSOLUTO	9+594	9+694	9+794	9+894	9+994	10+094	10+194	10+294																													
P.K. RELATIVO	205+600	205+700	205+800	205+900	206+000	206+100	206+200	206+300																													
COTA DE RASANTE	34,501	35,061	35,621	36,181	36,741	37,301	37,861	38,421	38,981	39,541	40,101	40,661	41,217	41,739	42,221	42,663	43,065	43,427	43,749	44,031	44,273	44,475	44,637	44,759	44,842	44,884	44,886	44,848	44,770	44,670	44,570	44,470	44,370	44,270	44,170	44,070	
COTA DE TERRENO	102,80	101,84	98,34	92,29	94,41	95,88	95,30	95,83	96,82	96,90	96,85	96,86	96,92	103,66	110,02	111,92	118,43	114,91	125,15	149,29	150,71	148,83	146,26	146,34	151,45	161,09	172,97	186,31	199,48	202,58	196,43	190,88	186,07	182,78	178,94	172,61	
COTA ROJA DESMONTE	68,30	66,77	62,72	56,11	57,67	58,58	57,44	57,41	57,84	57,36	56,75	56,19	57,71	61,93	67,80	69,26	75,36	71,48	81,40	105,26	106,43	104,36	103,62	101,58	106,60	116,21	128,09	141,46	154,71	157,91	151,86	146,41	141,70	138,51	134,77	128,54	
COTA ROJA TERRAPLÉN																																					
DIAGRAMA DE CURVATURAS	R=1607 L=1322,172																																				
DIAGRAMA DE PERALTES	-																																				
T. MUNICIPAL	TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA																																				

EJE 1
 TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

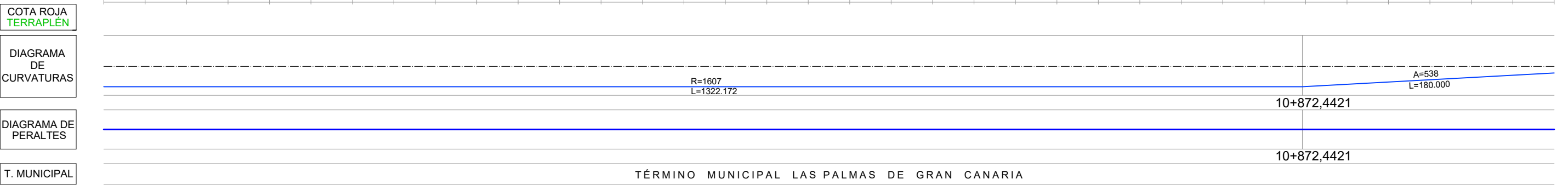
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



P.K. ABSOLUTO	10+294	10+394	10+494	10+594	10+694	10+794	10+894	10+994
P.K. RELATIVO	206+300	206+400	206+500	206+600	206+700	206+800	206+900	207+000

COTA DE RASANTE	44.070	43.970	43.870	43.770	43.670	43.570	43.470	43.370	43.270	43.170	43.070	42.970	42.870	42.770	42.670	42.570	42.470	42.370	42.270	42.170	42.070	41.970	41.870	41.770	41.670	41.570	41.470	41.370	41.270	41.170	41.070	40.970	40.870	40.770	40.670	40.570
COTA DE TERRENO	172.61	165.42	155.40	156.10	159.82	161.27	157.96	155.59	159.21	159.74	158.13	153.92	148.76	142.52	135.25	127.16	118.82	111.94	105.09	96.98	89.75	82.90	76.12	68.88	71.33	73.21	73.17	73.02	72.13	71.47	71.13	72.19	73.82	72.23	70.96	68.70
COTA ROJA DESMONTE	-128.54	-121.45	-111.53	-112.33	-116.15	-117.70	-114.49	-112.22	-115.94	-116.57	-115.06	-110.95	-105.89	-99.75	-92.56	-84.59	-76.35	-69.57	-62.82	-54.81	-47.68	-40.93	-34.25	-27.11	-29.66	-31.64	-31.71	-31.65	-30.86	-30.30	-30.06	-31.22	-32.95	-31.46	-30.29	-29.13

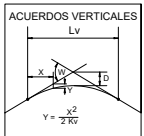
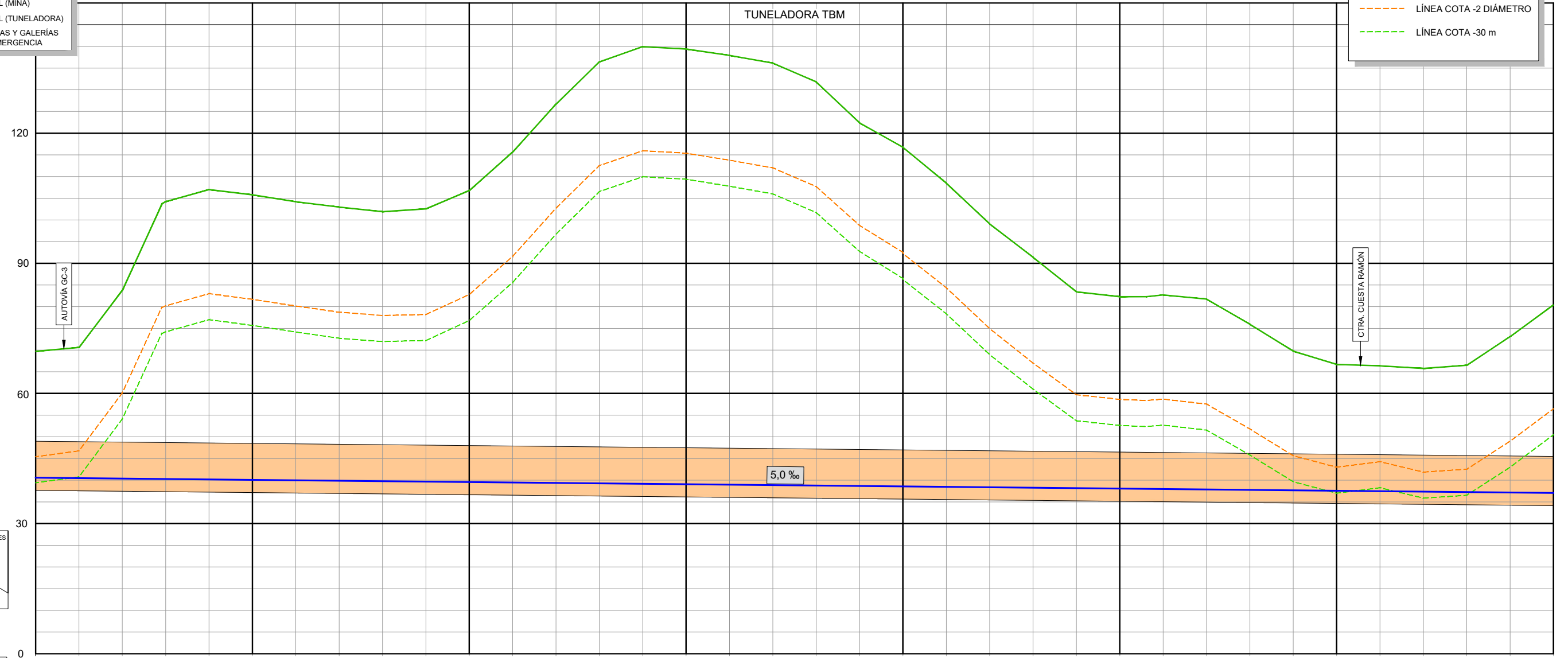


EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



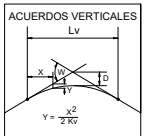
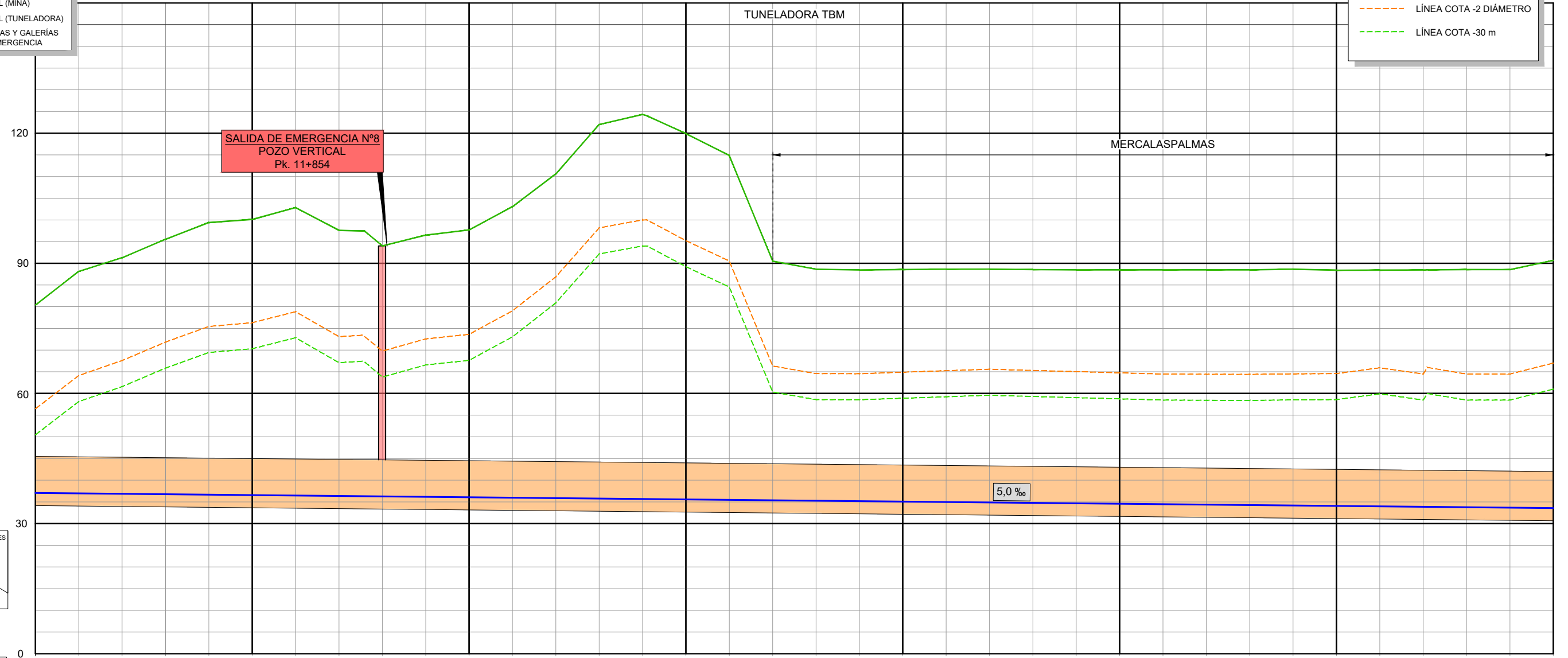
P.K. ABSOLUTO	10+994	11+094	11+194	11+294	11+394	11+494	11+594	11+694	
P.K. RELATIVO	207+000	207+100	207+200	207+300	207+400	207+500	207+600	207+700	
COTA DE RASANTE	40.570	40.470	40.370	40.270	40.170	40.070	39.970	39.870	
COTA DE TERRENO	69.70	70.61	83.74	104.20	107.00	105.79	104.19	102.96	
COTA ROJA DESMONTE	29.13	30.14	43.37	63.93	66.83	65.72	64.22	63.09	
COTA ROJA TERRAPLÉN									
DIAGRAMA DE CURVATURAS	A=538 L=180.000				RECTA L=793.447				
DIAGRAMA DE PERALTES	11+052,4421								
T. MUNICIPAL	TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA								

EJE 1
TRAMO 2 - San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



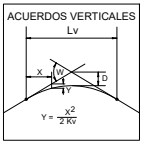
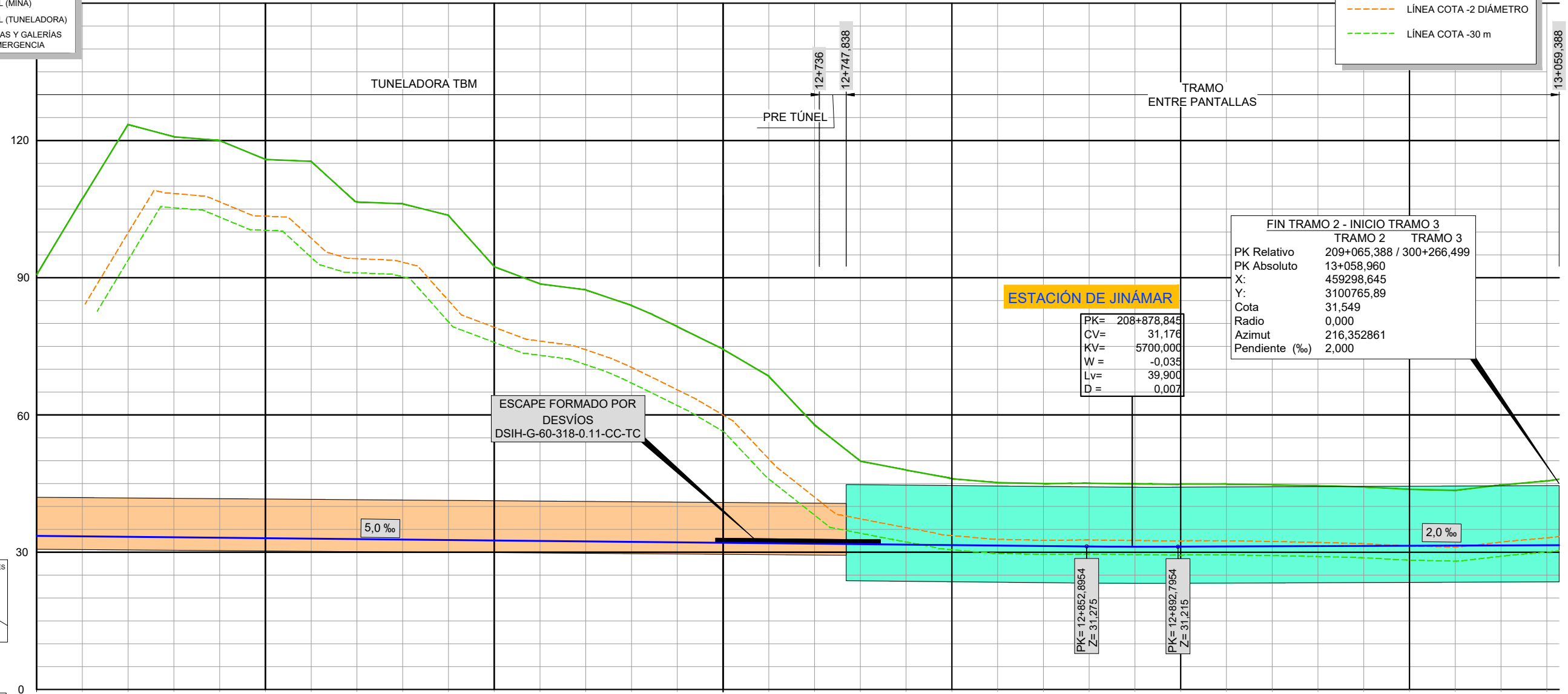
P.K. ABSOLUTO	11+694	11+794	11+894	11+994	12+094	12+194	12+294	12+394
P.K. RELATIVO	207+700	207+800	207+900	208+000	208+100	208+200	208+300	208+400
COTA DE RASANTE	37,070	36,970	36,870	36,770	36,670	36,570	36,470	36,370
COTA DE TERRENO	80,38	88,13	91,29	95,54	98,40	100,12	102,85	97,60
COTA ROJA DESMONTE	43,31	51,16	54,42	58,77	62,73	63,55	66,38	61,23
COTA ROJA TERRAPLÉN								
DIAGRAMA DE CURVATURAS	RECTA L=793,447		A=313 L=130,000			R=756 L=557,256		
DIAGRAMA DE PERALTES	11+845,8891		11+975,8891			BD: 115,00mm		
T. MUNICIPAL	11+845,8891		11+975,8891			TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA		

EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

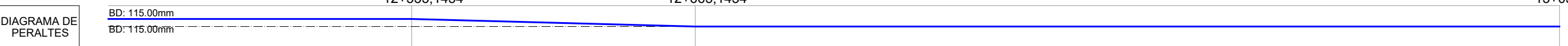
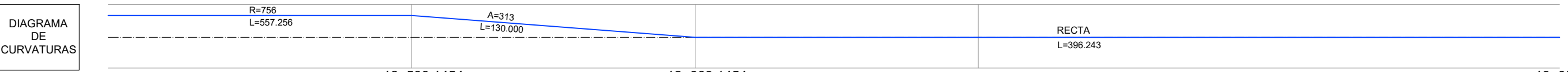
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

- RASANTE
- LÍNEA COTA -2 DIÁMETRO
- LÍNEA COTA -30 m



P.K. ABSOLUTO	12+394	12+494	12+594	12+694	12+794	12+894	12+994	209+065,388
P.K. RELATIVO	208+400	208+500	208+600	208+700	208+800	208+900	209+000	209+065,388

COTA DE RASANTE	33,570	33,470	33,370	33,270	33,170	33,070	32,970	32,870	32,770	32,670	32,570	32,470	32,370	32,270	32,170	32,070	31,970	31,870	31,770	31,670	31,570	31,470	31,370	31,270	31,209	31,218	31,258	31,298	31,338	31,378	31,418	31,458	31,498	31,538	31,549		
COTA DE TERRENO	90,66	107,25	123,49	120,81	120,01	115,95	115,43	106,55	106,16	103,63	92,41	88,65	87,34	83,94	79,32	74,38	68,47	57,83	49,92	47,98	46,07	45,21	45,00	45,07	44,96	44,92	44,90	44,74	44,54	44,28	43,75	43,54	44,69	45,58	45,95		
COTA ROJA DESMONTE	57,09	73,78	90,12	87,54	86,84	82,76	82,46	73,68	73,39	70,96	59,84	56,18	54,97	51,67	47,15	42,31	36,50	25,96	18,15	16,31	14,50	13,74	13,63	13,80	13,75	13,70	13,64	13,45	13,20	12,91	12,33	12,08	13,19	14,04	14,40		
COTA ROJA TERRAPLÉN																																					

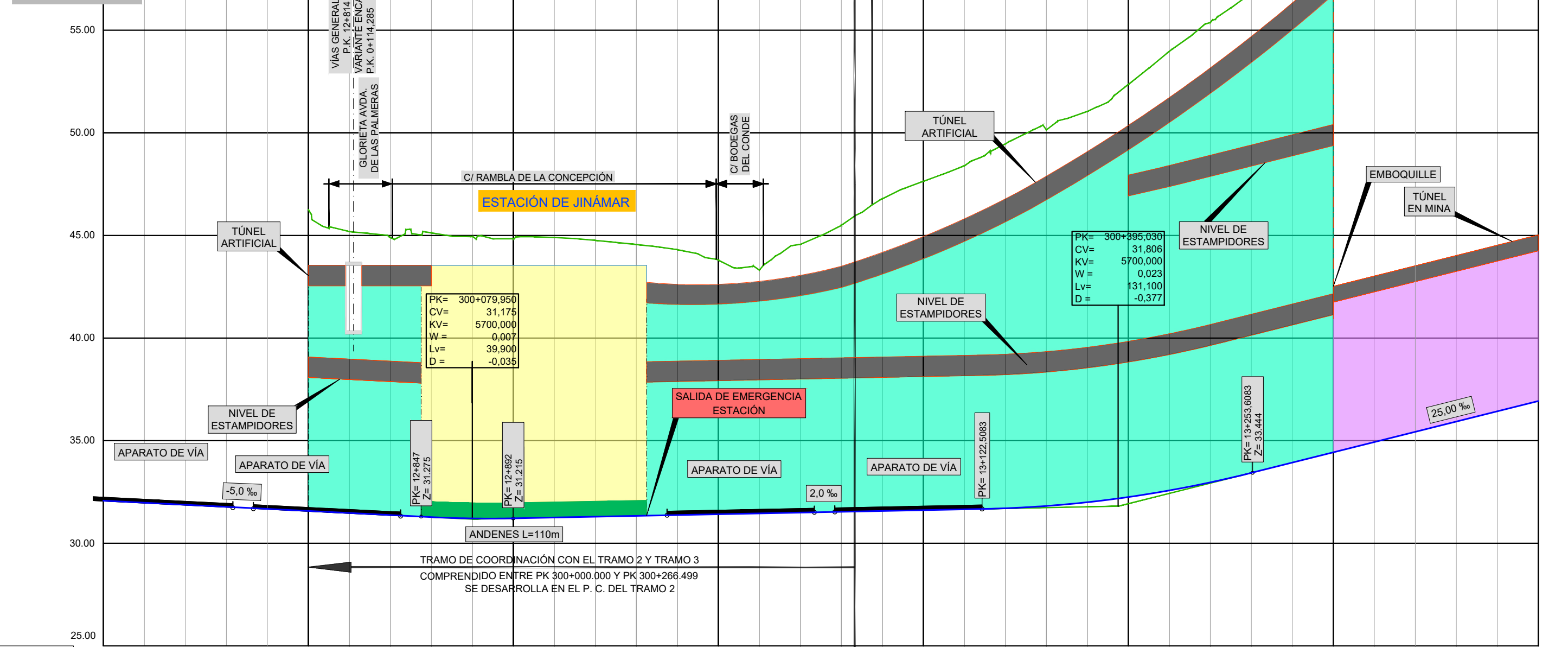


T. MUNICIPAL: TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA

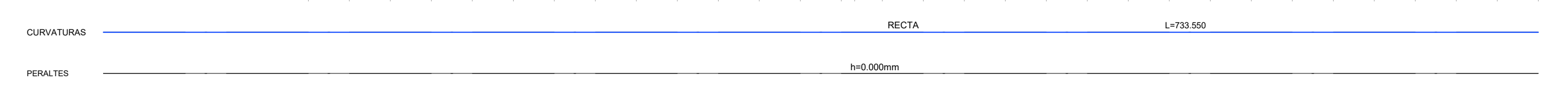
EJE 1
TRAMO 2 . San Telmo-Jinámar Proyecto Constructivo

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO	12+692	12+792	12+892	12+992	13+093	13+193	13+293	13+393																										
P.K. RELATIVO	299+900	300+000	300+100	300+200	300+300	300+400	300+500	300+600																										
COTA DE RASANTE		31.575	31.475	31.375	31.275	31.210	31.216	31.256	31.296	31.336	31.376	31.416	31.456	31.496	31.536	31.548	31.576	31.616	31.656	31.705	31.817	31.989	32.252	32.574	32.967	33.430	33.930	34.430	34.930	35.430	35.930	36.430	36.930	
COTA DE TERRENO		46.27	45.19	44.90	45.13	44.95	44.84	44.90	44.76	44.56	44.31	43.80	43.31	44.56	45.48	45.89	46.79	47.64	48.39	49.45	50.14	51.04	52.35	53.97	55.37	56.81	58.99	60.88	62.15	63.26	64.51	64.79	67.35	
C.R. DESMONTE		14.69	13.71	13.52	13.85	13.74	13.62	13.64	13.46	13.22	12.93	12.38	11.85	13.07	13.95	14.34	15.21	16.02	16.73	17.75	18.33	19.04	20.10	21.39	22.40	23.38	25.06	26.45	27.22	27.83	28.58	28.36	30.42	
C.R. TERRAPLEN																																		

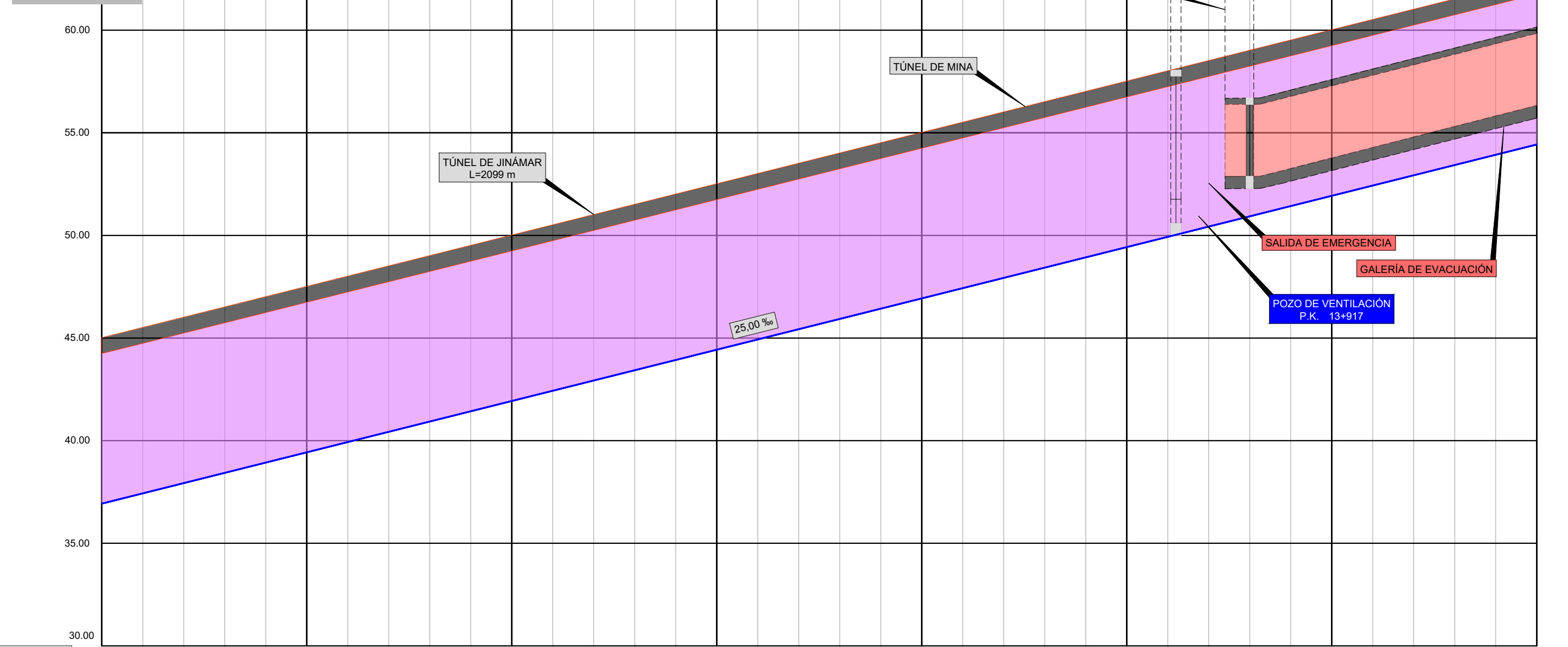


TÉRMINO MUNICIPAL LAS PALMAS DE GRAN CANARIA

TÉRMINO MUNICIPAL DE TELDE

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

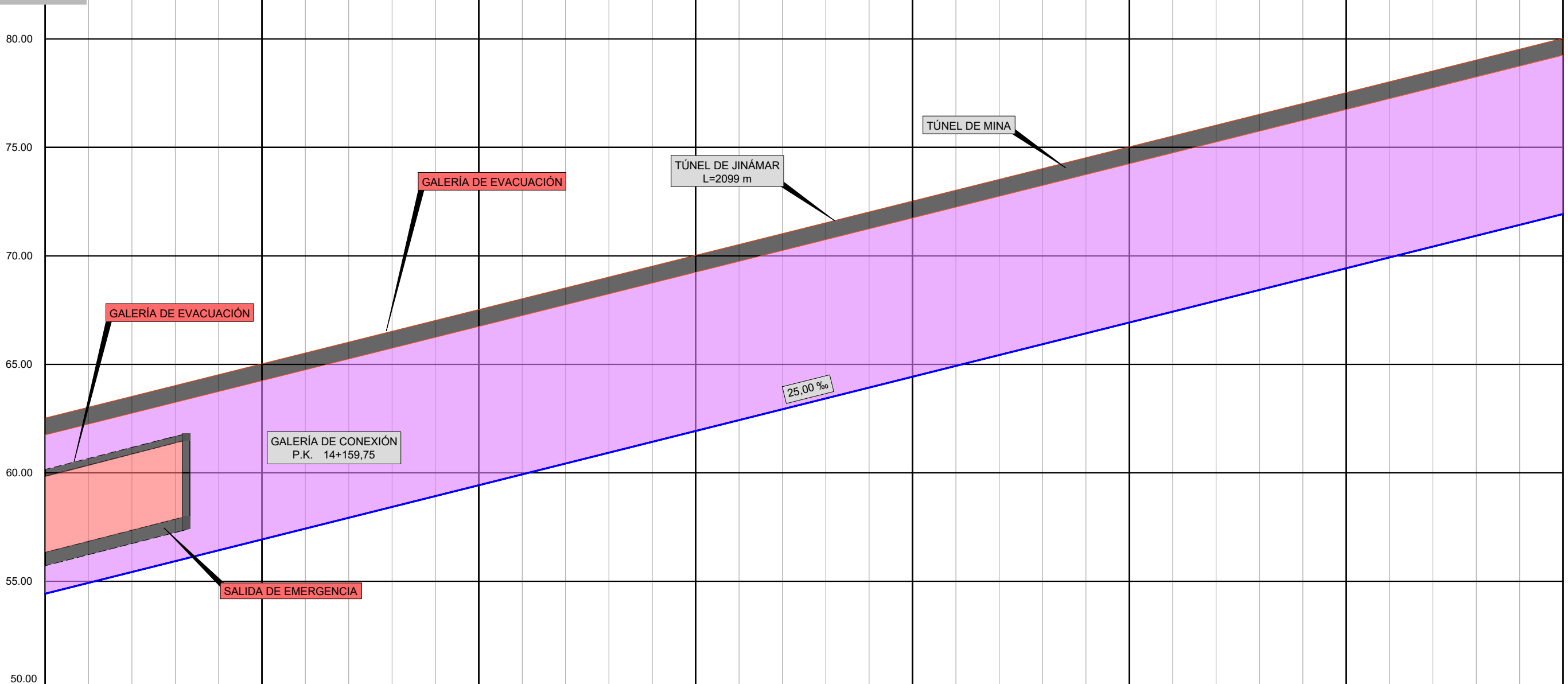


P.K. ABSOLUTO	13+393	13+493										13+593										13+693										13+793										13+893										13+993										14+093
P.K. RELATIVO	300+600	300+700										300+800										300+900										301+000										301+100										301+200										301+300
COTA DE RASANTE	36.930	37.430	37.930	38.430	38.930	39.430	39.930	40.430	40.930	41.430	41.930	42.430	42.930	43.430	43.930	44.430	44.930	45.430	45.930	46.430	46.930	47.430	47.930	48.430	48.930	49.430	49.930	50.430	50.930	51.430	51.930	52.430	52.930	53.430	53.930	54.430																										
COTA DE TERRENO	67.35	68.35	73.02	71.70	75.56	75.55	75.36	75.72	88.20	83.48	88.39	103.78	109.75	115.05	120.33	124.40	127.98	130.84	132.55	132.42	130.95	125.96	116.77	109.17	101.84	95.67	91.00	89.38	85.48	87.80	89.00	88.74	90.81	92.36	96.06	109.57																										
C.R. DESMONTE	30.42	30.92	35.09	33.27	36.63	36.12	35.43	35.29	47.27	52.05	56.46	61.35	66.82	71.62	76.40	79.97	83.05	85.41	86.62	85.99	84.02	78.53	68.84	60.74	52.91	46.24	41.07	38.95	34.55	36.37	37.07	36.31	37.88	38.93	42.13	55.14																										
C.R. TERRAPLEN																																																														

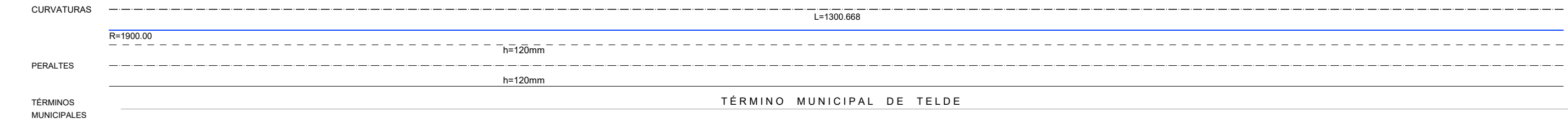


LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

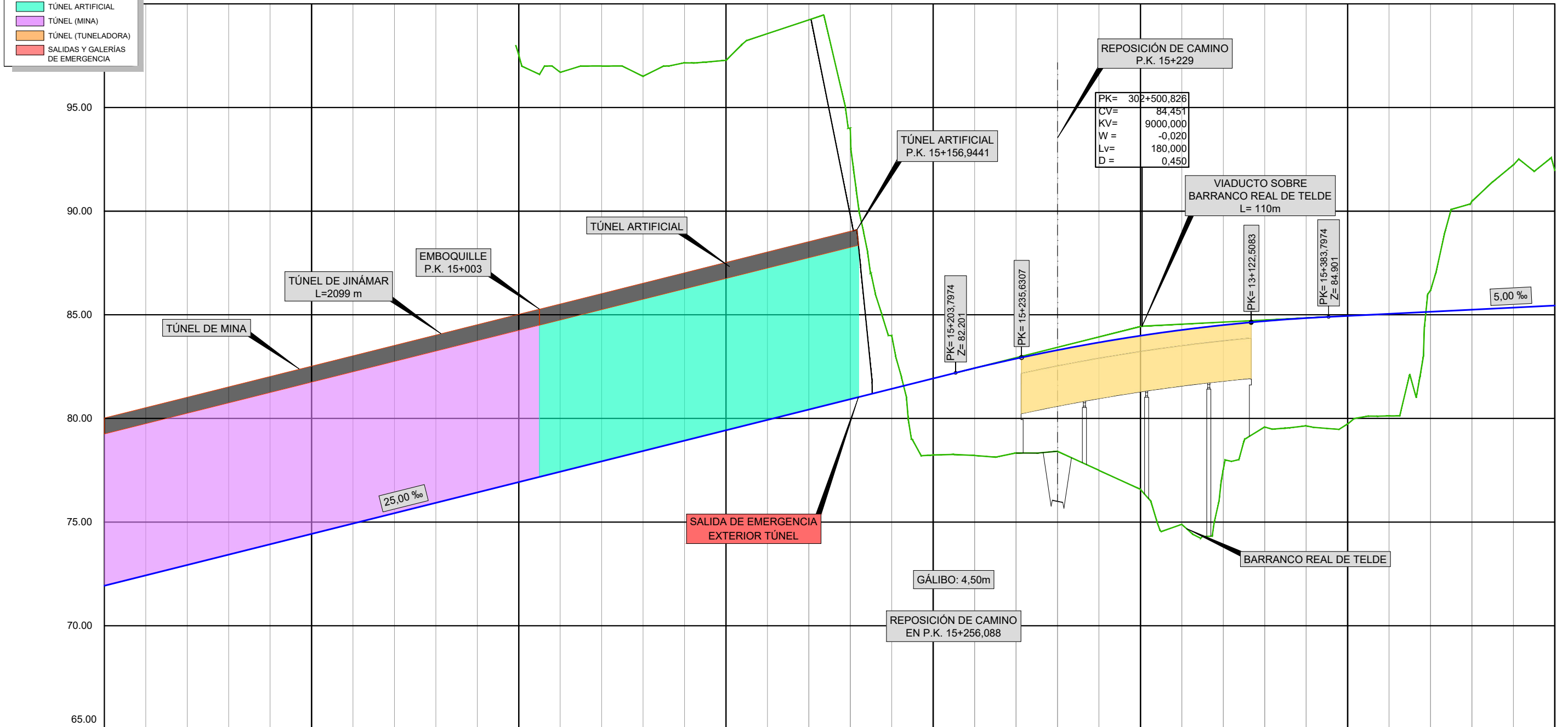


P.K. ABSOLUTO	14+093	14+193	14+293	14+393	14+493	14+593	14+693	14+793																												
P.K. RELATIVO	301+300	301+400	301+500	301+600	301+700	301+800	301+900	302+000																												
COTA DE RASANTE	54.430	54.930	55.430	55.930	56.430	56.930	57.430	57.930	58.430	58.930	59.430	59.930	60.430	60.930	61.430	61.930	62.430	62.930	63.430	63.930	64.430	64.930	65.430	65.930	66.430	66.930	67.430	67.930	68.430	68.930	69.430	69.930	70.430	70.930	71.430	71.930
COTA DE TERRENO	109.57	117.14	124.00	130.00	138.00	140.11	141.57	141.58	141.00	140.00	136.26	125.41	125.66	124.46	121.85	119.02	109.95	106.88	108.93	112.00	119.47	125.14	132.31	135.63	142.97	150.46	151.44	152.72	153.55	153.06	152.42	152.30	150.43	148.08	142.30	140.00
C.R. DESMONTE	55.14	62.21	68.57	74.07	81.57	83.18	84.14	83.65	82.57	81.07	76.83	65.48	65.23	63.53	60.42	57.09	47.52	43.95	45.50	48.07	55.04	60.21	66.88	69.70	76.54	83.53	84.01	84.79	85.12	84.13	82.99	82.37	80.00	77.15	70.87	66.07
C.R. TERRAPLEN																																				

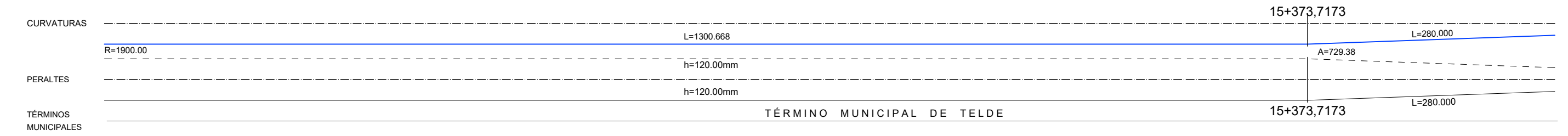


LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

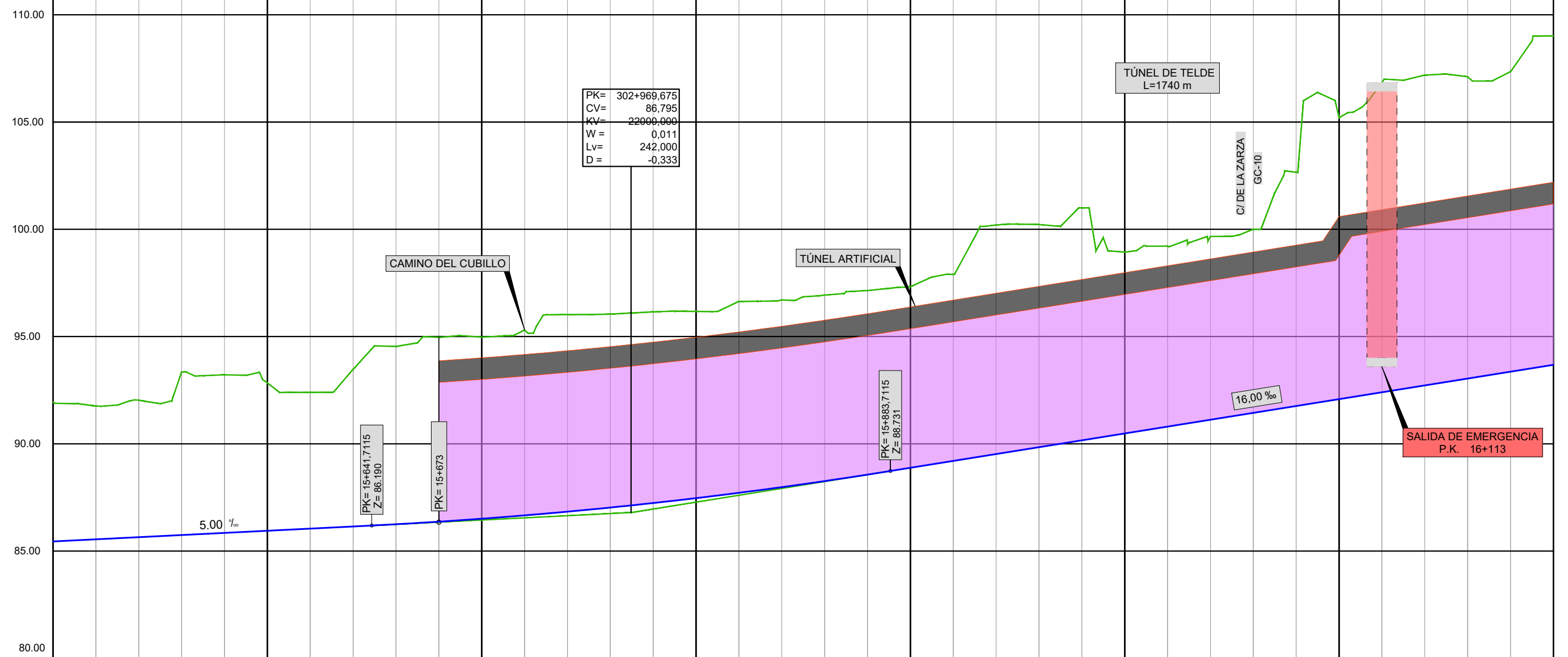


P.K. ABSOLUTO	14+793	14+893	14+993	15+093	15+193	15+293	15+393	15+493																													
P.K. RELATIVO	302+000	302+100	302+200	302+300	302+400	302+500	302+600	302+700																													
COTA DE RASANTE	71.930	72.430	72.930	73.430	73.930	74.430	74.930	75.430	75.930	76.430	76.930	77.430	77.930	78.430	78.930	79.430	79.930	80.430	80.930	81.430	81.930	82.425	82.883	83.286	83.664	83.988	84.268	84.503	84.694	84.840	84.946	85.046	85.146	85.246	85.346	85.446	
COTA DE TERRENO	140.00	135.87	131.90	125.71	123.15	117.83	113.64	110.25	104.60	102.69	97.54	96.70	97.00	96.51	97.16	97.27	100.00	106.00	94.00	84.00	78.24	78.21	78.33	78.41	77.50	76.58	74.89	77.54	79.59	79.64	79.73	80.12	86.17	90.48	92.23	91.95	
C.R. DESMONTE	68.07	63.44	58.97	52.28	49.22	43.40	38.71	34.82	28.67	26.26	20.61	19.27	19.07	18.08	18.23	17.84	20.07	25.57	13.07	2.57	3.69	4.21	4.55	4.88	6.17	7.41	9.38	6.96	5.11	5.20	5.21	4.92	1.03	5.23	6.88	6.50	
C.R. TERRAPLEN																																					

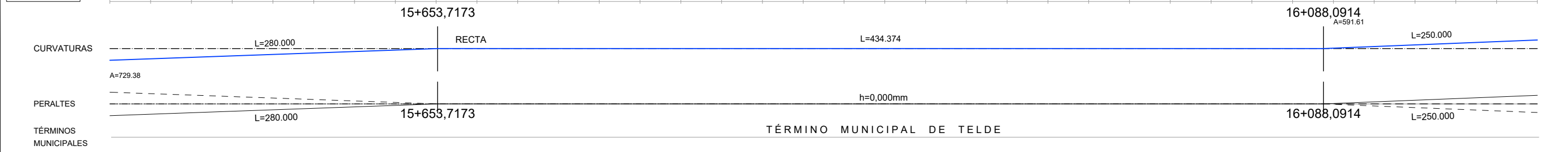


LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

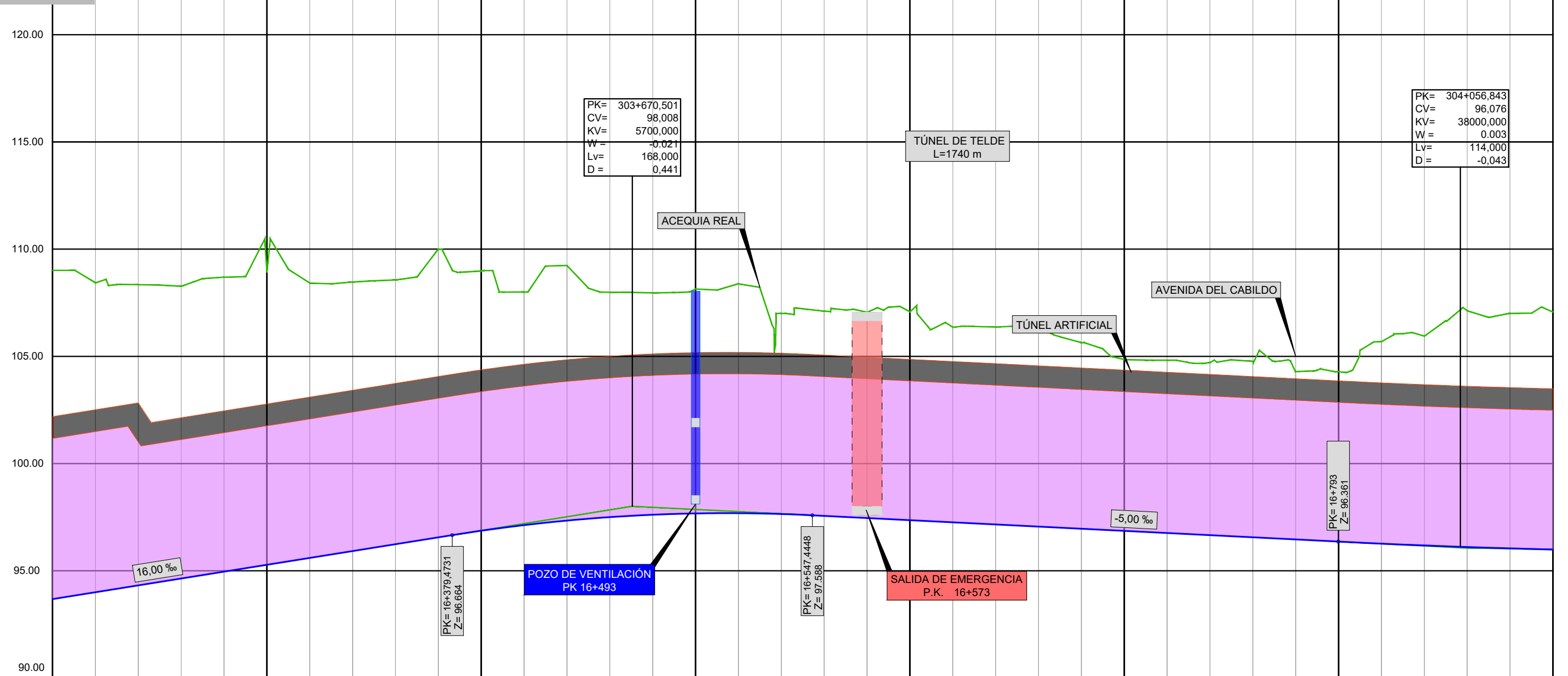


P.K. ABSOLUTO	15+493	15+593	15+693	15+793	15+893	15+993	16+093	16+193																																
P.K. RELATIVO	302+700	302+800	302+900	303+000	303+100	303+200	303+300	303+400																																
COTA DE RASANTE	85,446	85,546	85,646	85,746	85,846	85,946	86,046	86,146	86,249	86,369	86,506	86,662	86,836	87,028	87,238	87,467	87,714	87,978	88,261	88,563	88,880	89,200	89,520	89,840	90,160	90,480	90,800	91,120	91,440	91,760	92,080	92,400	92,720	93,040	93,360	93,680				
COTA DE TERRENO	91,95	91,76	92,04	93,34	93,22	92,84	92,41	93,47	94,54	94,96	94,97	95,30	96,02	96,04	96,15	96,17	96,64	96,71	96,93	97,14	97,32	97,89	100,20	100,22	100,84	101,00	98,93	99,21	99,66	100,00	102,66	105,20	106,83	107,19	107,11	107,35	109,01			
C.R. DESMONTE	6,50	6,22	6,39	7,60	7,37	6,89	6,36	7,32	8,29	8,59	8,47	8,64	9,19	9,01	8,91	8,70	8,92	8,73	8,67	8,58	8,44	8,69	10,68	10,38	10,84	8,45	8,41	8,54	8,56	10,90	13,12	14,43	14,47	14,07	13,99	15,33				
C.R. TERRAPLEN																																								



LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



PK= 303+670,501
 CV= 98,008
 KV= 5700,000
 W= -0,021
 Lv= 168,000
 D= 0,441

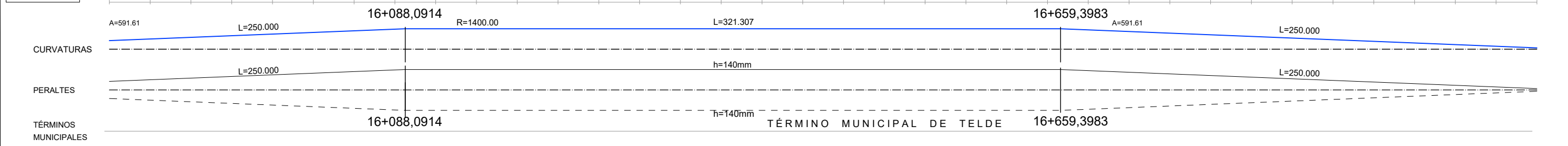
PK= 304+056,843
 CV= 96,076
 KV= 38000,000
 W= 0,003
 Lv= 114,000
 D= -0,043

PK= 16+379,4731
 Z= 96,664

PK= 16+547,4448
 Z= 97,588

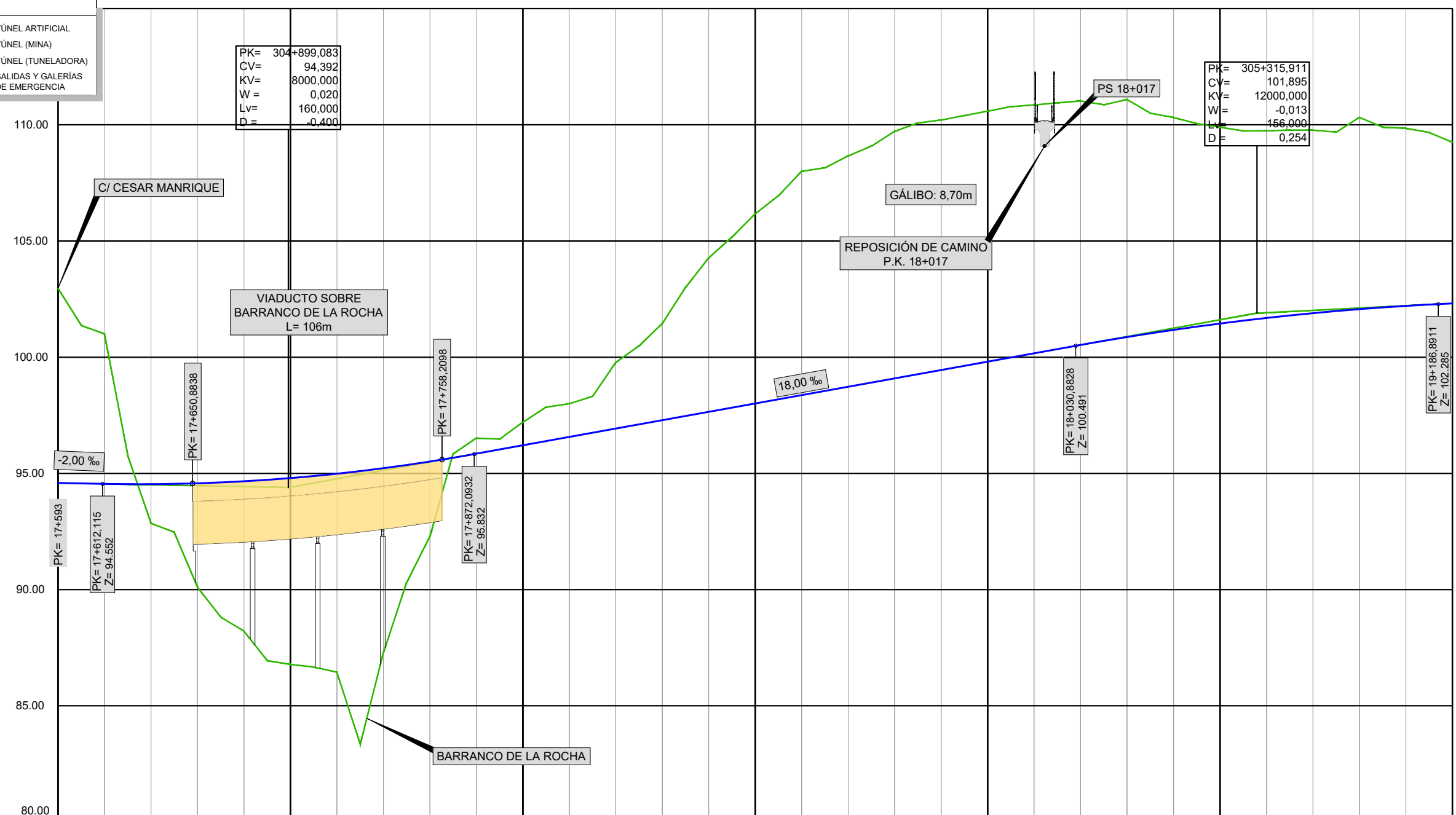
PK= 16+793
 Z= 96,361

P.K. ABSOLUTO	16+193	16+293	16+393	16+493	16+593	16+693	16+793	16+893																													
P.K. RELATIVO	303+400	303+500	303+600	303+700	303+800	303+900	304+000	304+100																													
COTA DE RASANTE	93.680	94.000	94.320	94.640	94.960	95.280	95.600	95.920	96.240	96.560	96.889	97.130	97.341	97.502	97.614	97.675	97.686	97.647	97.561	97.461	97.361	97.261	97.161	97.061	96.961	96.861	96.761	96.661	96.561	96.461	96.361	96.266	96.182	96.108	96.045	95.993	
COTA DE TERRENO	109.01	108.43	108.35	108.27	108.69	108.93	108.42	108.47	108.56	110.00	108.98	108.00	109.24	107.99	107.96	108.14	108.39	107.00	107.11	107.06	107.08	106.36	106.37	106.33	105.64	104.85	104.82	104.71	104.77	104.29	104.29	105.69	105.94	107.13	107.00	107.06	
C.R. DESMONTE	15.33	14.43	14.03	13.63	13.73	13.65	12.82	12.55	12.32	13.44	12.11	10.87	11.90	10.49	10.35	10.47	10.70	9.35	9.55	9.60	9.72	9.10	9.21	9.27	8.68	7.99	8.06	8.05	8.21	7.83	7.92	9.42	9.76	11.02	10.96	11.07	
C.R. TERRAPLEN																																					



LEYENDA

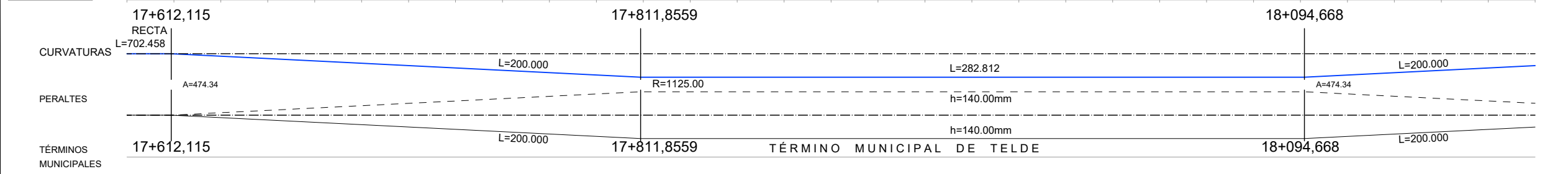
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



PK= 304+899,083
 CV= 94,392
 KV= 8000,000
 W = 0,020
 Lv= 160,000
 D = -0,400

PK= 305+315,911
 CV= 101,895
 KV= 12000,000
 W = -0,013
 Lv= 156,000
 D = 0,254

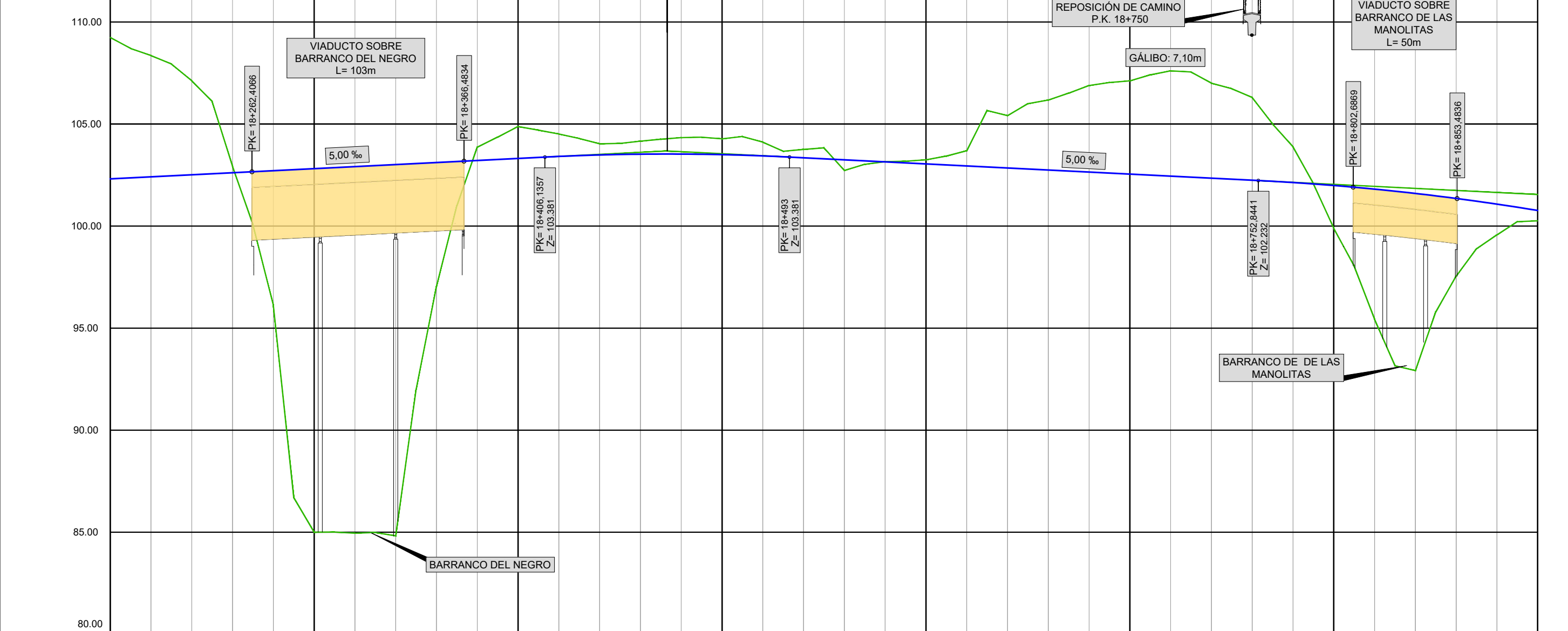
P.K. ABSOLUTO	17+593	17+693	17+793	17+893	17+993	18+093	18+193																								
P.K. RELATIVO	304+800	304+900	305+000	305+100	305+200	305+300	305+400																								
COTA DE RASANTE	94.590	94.550	94.537	94.575	94.662	94.799	94.987	95.224	95.511	95.848	96.208	96.568	96.928	97.288	97.648	98.008	98.368	98.728	99.088	99.448	99.808	100.168	100.528	100.888	101.248	101.608	101.968	102.328	102.688	103.048	
COTA DE TERRENO	102.97	101.00	92.85	90.10	88.21	86.78	86.45	87.29	92.28	96.52	97.20	98.00	99.78	101.45	104.28	106.17	108.00	108.66	108.72	110.21	110.59	110.85	111.03	111.09	110.32	109.90	109.74	109.77	110.32	109.85	109.25
C.R. DESMONTE	8.38	6.45								0.67	0.99	1.43	2.85	4.16	6.63	8.16	9.63	9.93	10.63	10.76	10.78	10.69	10.50	10.22	9.14	8.45	8.05	7.88	8.25	7.64	6.93
C.R. TERRAPLEN			1.69	4.47	6.45	8.02	8.54	7.94	3.23																						



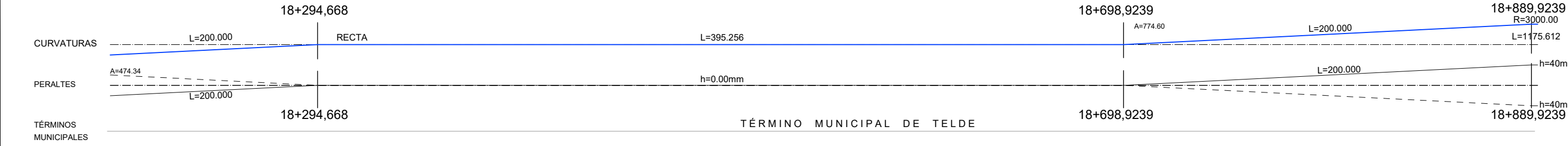
LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

PK= 305+673,164
 CV= 103,681
 KV= 12000,000
 W = -0,010
 Lv= 120,000
 D = 0,150

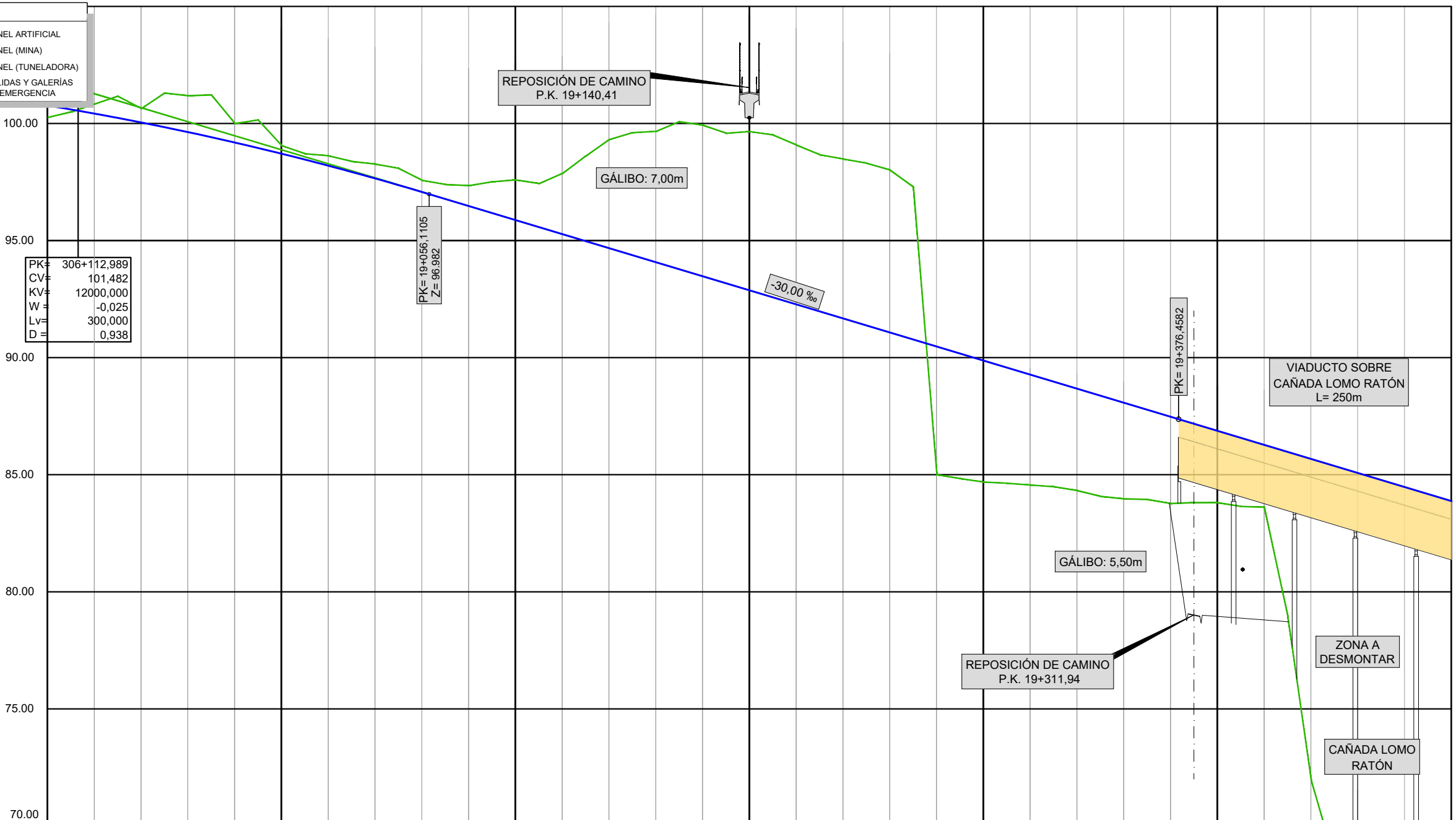


P.K. ABSOLUTO	18+193	18+293	18+393	18+493	18+593	18+693	18+793	18+893																													
P.K. RELATIVO	305+400	305+500	305+600	305+700	305+800	305+900	306+000	306+100																													
COTA DE RASANTE	102.315	102.415	102.515	102.615	102.715	102.815	102.915	103.015	103.115	103.215	103.315	103.413	103.485	103.524	103.529	103.501	103.440	103.347	103.247	103.147	103.047	102.947	102.847	102.747	102.647	102.547	102.447	102.347	102.247	102.135	101.990	101.811	101.600	101.355	101.076	100.765	
COTA DE TERRENO	109.25	106.36	107.12	102.92	96.13	85.00	84.95	84.82	97.05	103.87	104.88	104.51	104.03	104.16	104.33	104.28	104.11	103.76	102.73	103.247	103.16	103.047	103.69	105.41	106.17	106.89	107.12	107.61	107.00	106.30	103.88	99.89	95.43	92.92	97.55	99.57	100.26
C.R. DESMONTE	6.93	5.94	4.60	0.31						0.65	1.56	1.10	0.55	0.64	0.81	0.77	0.67	0.41			0.01	0.20	0.74	2.57	3.43	4.24	4.57	5.16	4.65	4.05	1.75						
C.R. TERRAPLEN					6.59	17.82	17.96	18.20	6.06											0.52												2.10	6.38	8.68	3.81	1.51	0.51



LEYENDA

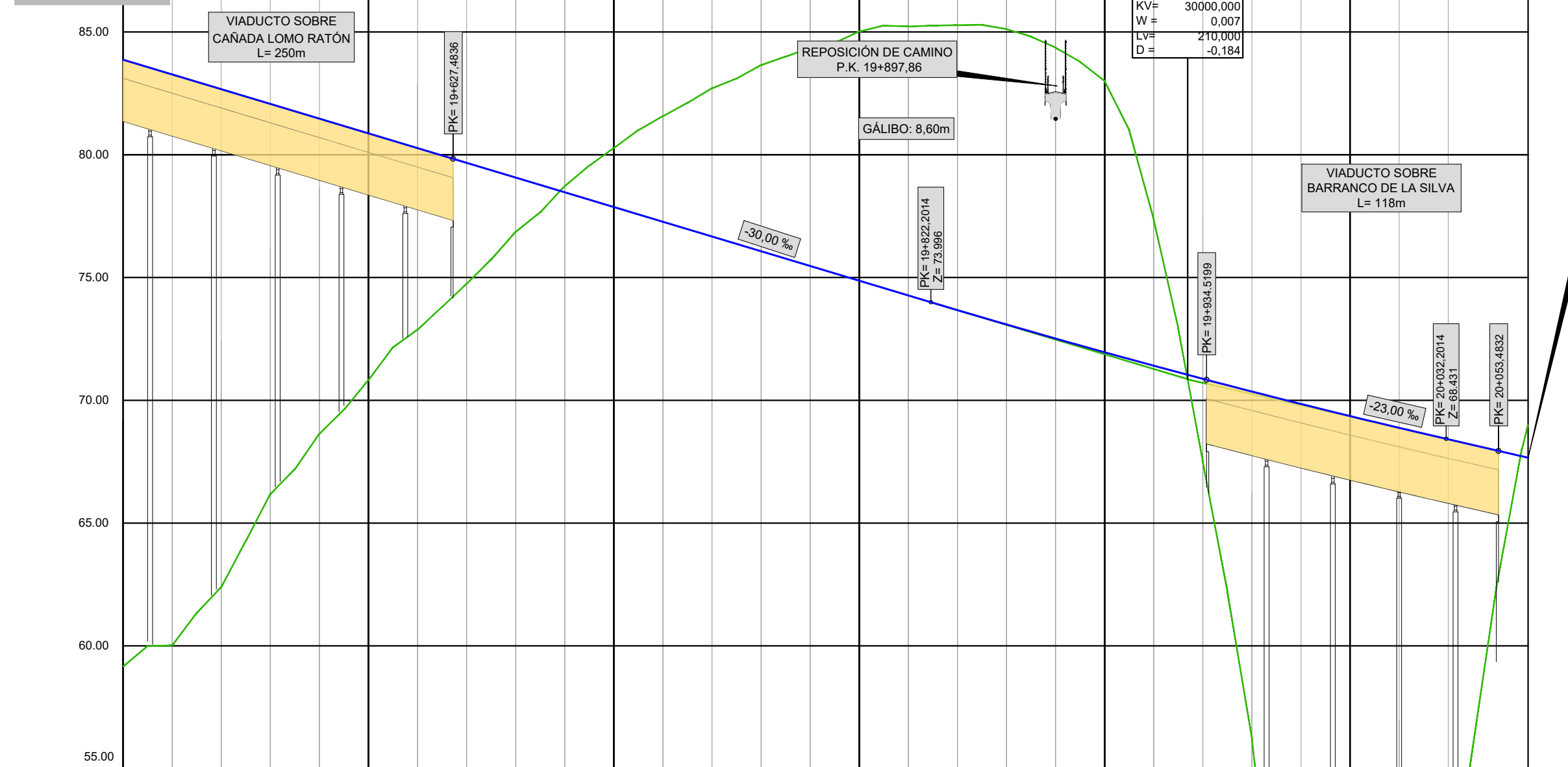
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO	18+893	18+993										19+093										19+193										19+293										19+393										19+493
P.K. RELATIVO	306+100	306+200										306+300										306+400										306+500										306+600										306+700
COTA DE RASANTE	100.765	100.420	100.041	99.630	99.185	98.706	98.195	97.660	97.071	96.472	95.872	95.272	94.672	94.072	93.472	92.872	92.272	91.672	91.072	90.472	89.872	89.272	88.672	88.072	87.472	86.872	86.272	85.672	85.072	84.472	83.872																					
COTA DE TERRENO	100.26	100.83	100.64	101.19	100.00	99.06	98.62	98.27	97.57	97.34	97.59	97.87	98.31	98.66	98.93	99.66	99.08	98.48	98.01	85.00	84.69	84.56	84.32	83.97	85.77	83.81	83.61	71.97	66.55	62.65	59.16																					
C.R. DESMONTE		0.41	0.60	1.96	0.81	0.35	0.43	0.62	0.50	0.87	1.72	2.59	4.64	5.59	6.46	6.78	6.81	6.81	6.94	5.47	5.18	4.71	4.35	4.10	3.70	3.06	2.66	13.71	18.52	21.82																						
C.R. TERRAPLEN	0.51																																																			
R=3000.00																	L=1175.612																																			
CURVATURAS	-----																																																			
PERALTES	-----																																																			
TÉRMINOS MUNICIPALES	-----																																																			

LEYENDA

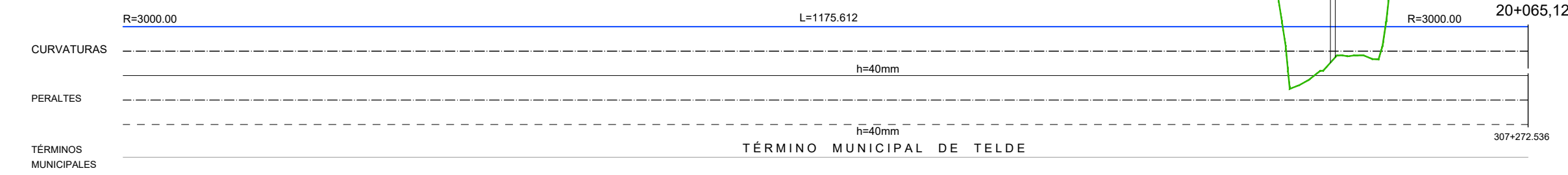
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



FIN TRAMO 3 - INICIO TRAMO 4

	TRAMO 3	TRAMO 4
PK Relativo	307+272,536 / 400+000,000	
PK Absoluto	20+064,996	
X:	461046,813	
Y:	3094260,638	
Cota	67,664	
Radio	3000	
Azimut	189,1172	
Pendiente (%)	-23,000	

P.K. ABSOLUTO	19+493	19+593										19+693										19+793										19+893										19+993										20+065,12
P.K. RELATIVO	306+700	306+800										306+900										307+000										307+100										307+200										307+272,54
COTA DE RASANTE	83,872	83,272	82,672	82,072	81,472	80,872	80,272	79,672	79,072	78,472	77,872	77,272	76,672	76,072	75,472	74,872	74,272	73,673	73,087	72,515	71,955	71,409	70,876	70,357	69,851	69,358	68,873	68,412	67,952	67,664																						
COTA DE TERRENO	59,16	60,02	62,39	66,18	68,64	70,83	72,88	74,75	76,86	78,72	80,27	81,57	82,71	83,65	84,35	85,02	85,22	85,28	85,12	84,36	83,00	77,35	67,50	56,22	42,40	43,59	45,99	50,17	62,60	69,00																						
C.R. DESMONTE										0,25	2,40	4,30	6,04	7,58	8,88	10,15	10,95	11,60	12,03	11,85	11,04	5,95	3,37	14,14	27,45	25,77	21,89	18,24	1,34																							
C.R. TERRAPLEN	24,71	23,25	20,28	15,89	12,83	10,04	7,39	4,92	2,21																																											



TÍTULO
 TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
 ineco TGC TRANSPORTE DE GRAN CANARIA

ESCALA ORIGINAL EN UNE A-3
 EH 1:1000
 EV 1:100
 Numérica Gráfica

FECHA
 JULIO 2022

TÍTULO DEL PLANO
 TRAZADO PERFILES LONGITUDINALES

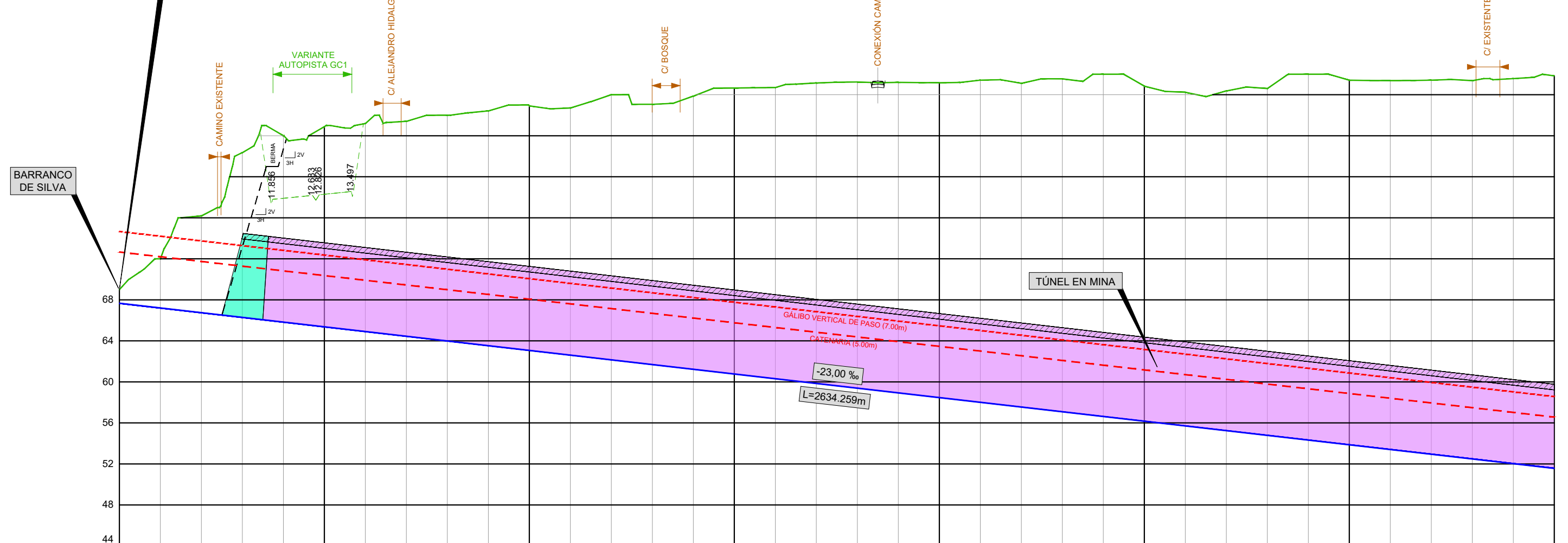
Nº DE PLANO
 5
 Hoja 31 de 84

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

FIN TRAMO 3 - INICIO TRAMO 4

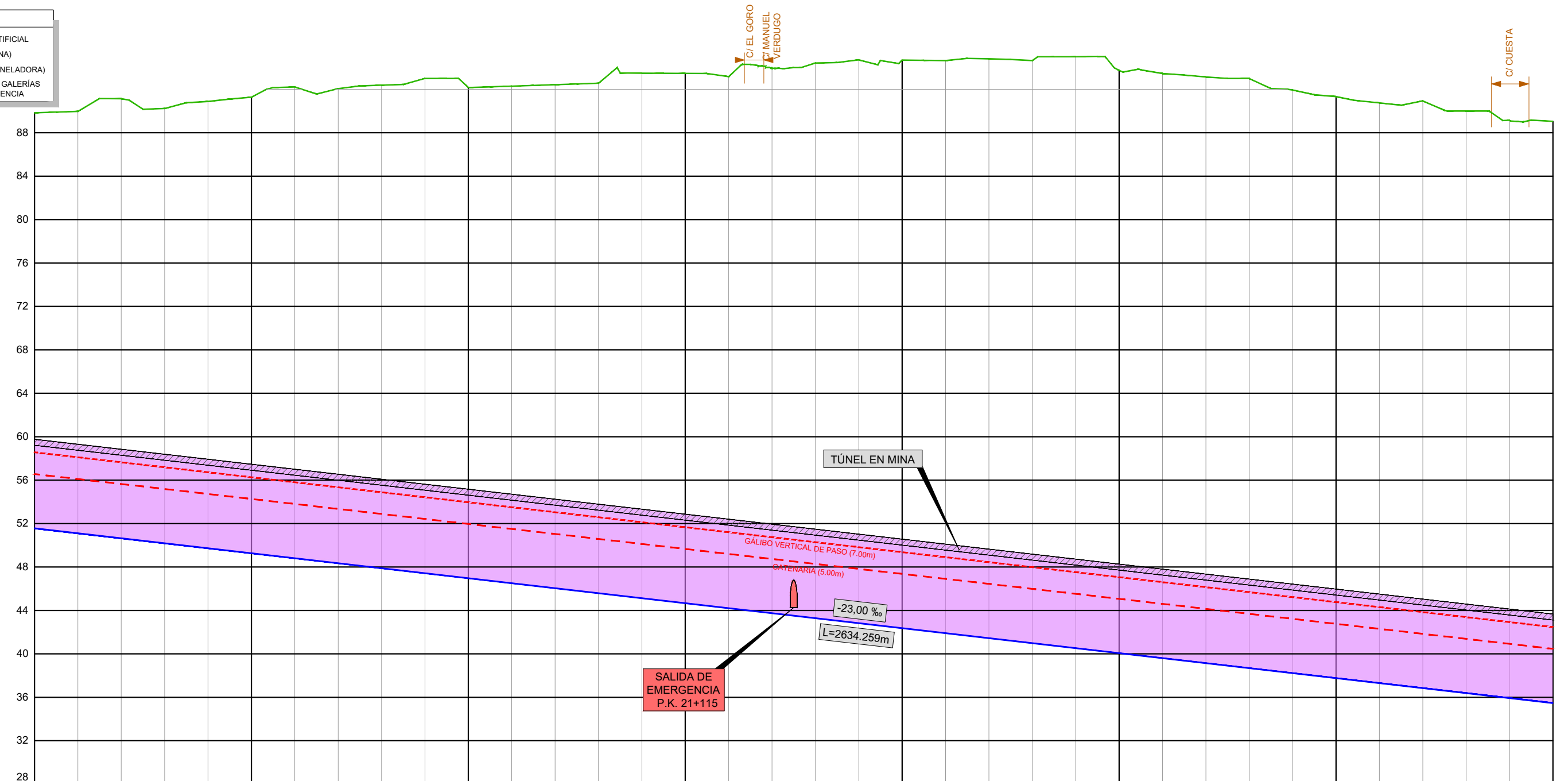
TRAMO 3	TRAMO 4
PK Relativo	307+272,536 / 400+000,000
PK Absoluto	20+064,996
X:	461046,813
Y:	3094260,638
Cota	67,664
Radio	3000
Azimut	189,1172
Pendiente (‰)	-23,000



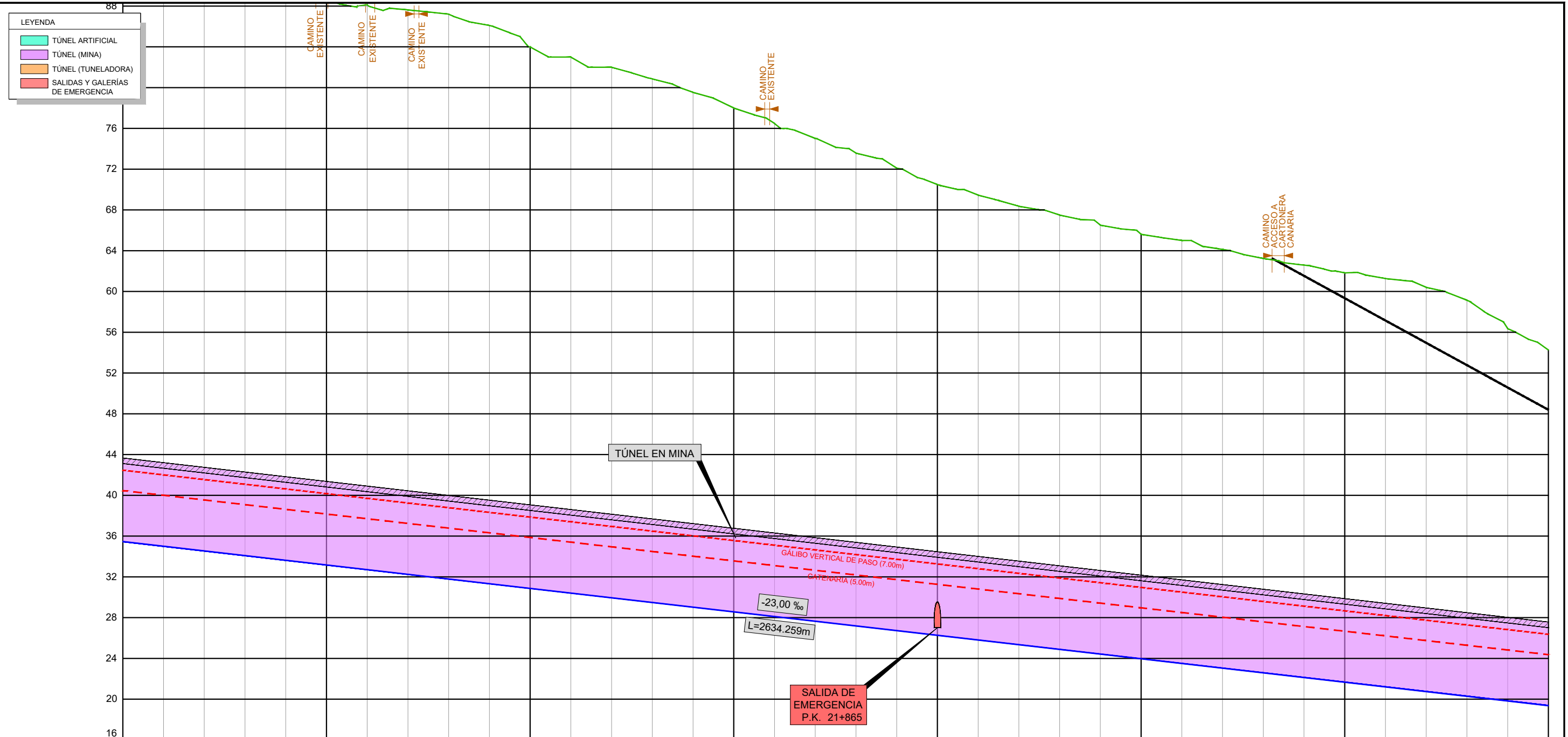
P.K. ABSOLUTO	20+065,12	20+165	20+265	20+365	20+465	20+565	20+665	20+765																												
P.K. RELATIVO	400+000	400+100	400+200	400+300	400+400	400+500	400+600	400+700																												
DISTANCIAS	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000
RASANTE	67.664	67.204	66.744	66.284	65.824	65.364	64.904	64.444	63.984	63.524	63.064	62.604	62.144	61.684	61.224	60.764	60.304	59.844	59.384	58.924	58.464	58.004	57.544	57.084	56.624	56.164	55.704	55.244	54.784	54.324	53.864	53.404	52.944	52.484	52.024	51.564
TERRENO	69.00	72.00	76.18	82.36	84.00	84.88	85.19	85.41	86.00	86.42	86.92	87.71	88.00	87.07	87.86	88.66	88.70	89.15	89.24	89.20	89.16	89.42	89.11	89.55	90.00	88.83	88.24	88.37	88.60	90.00	89.42	89.37	89.42	89.37	89.57	89.83
COTA ROJA	1.34	4.80	9.44	16.07	18.18	19.51	20.29	20.96	22.02	22.90	23.85	24.10	25.86	25.38	26.64	27.89	28.40	29.30	29.86	30.28	30.70	31.42	31.57	32.47	33.38	32.67	32.53	33.12	33.82	35.68	35.55	35.97	36.47	36.89	37.55	38.27
ACUERDOS VERTICALES	<p>DIAGRAMA DE CURVATURAS: D=153.379, R=3000.000; D=110.000, A=574.456; L=657.058, R=∞</p> <p>DIAGRAMA DE PERALTES: PI:40.00mm; 0.36mm/m</p>																																			
TÉRMINO MUNICIPAL	TÉRMINO MUNICIPAL DE TELDE																																			

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



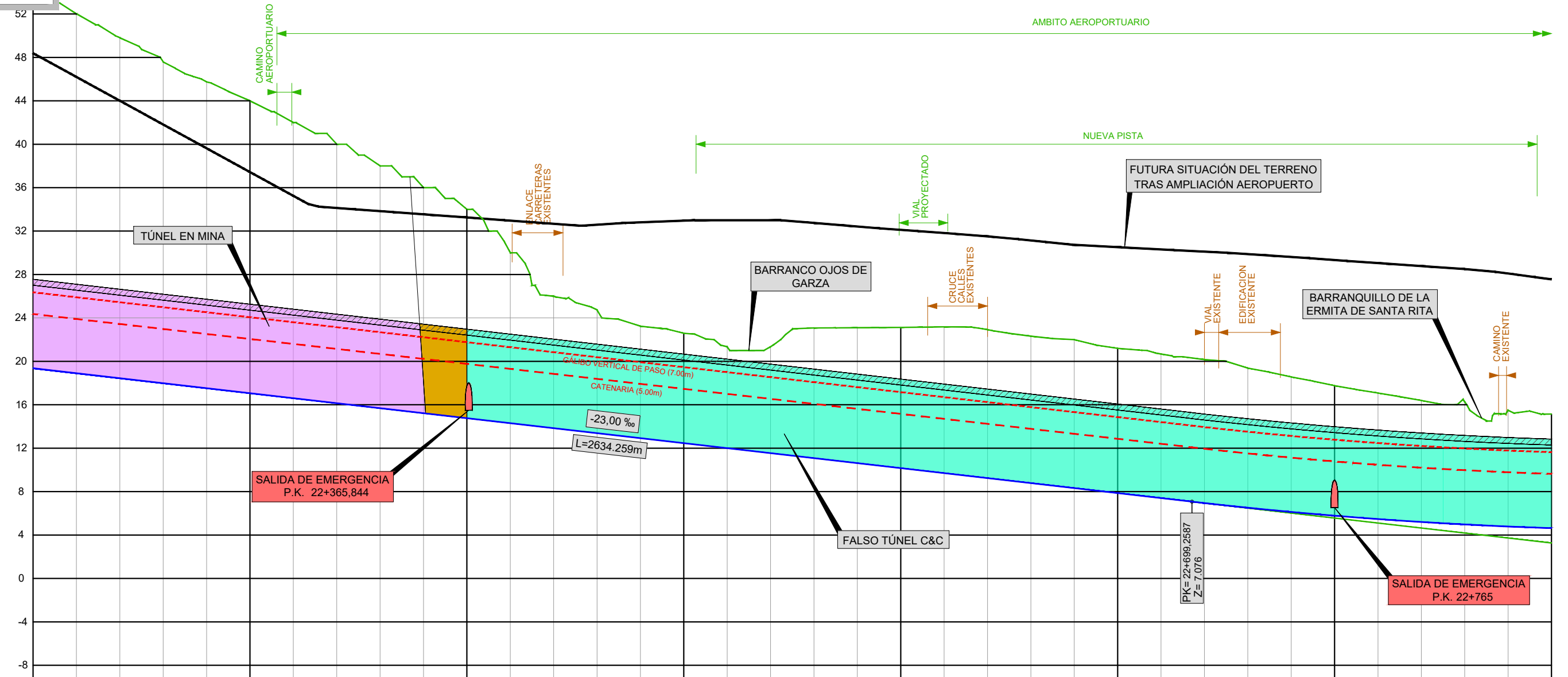
P.K. ABSOLUTO		20+765		20+865		20+965		21+065		21+165		21+265		21+365		21+460																																																									
P.K. RELATIVO		400+700		400+800		400+900		401+000		401+100		401+200		401+300		401+400																																																									
DISTANCIAS		700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000	900.000	920.000	940.000	960.000	980.000	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000																																				
RASANTE	TERRENO	51.564	89.83	51.104	89.97	50.644	91.13	50.184	90.23	49.724	90.86	49.264	91.28	48.804	92.22	48.344	92.06	47.884	92.39	47.424	93.00	46.964	92.16	46.504	92.29	46.044	92.43	45.584	92.56	45.124	93.49	44.664	93.47	44.204	93.16	43.744	93.90	43.284	94.42	42.824	94.71	42.364	94.69	41.904	94.65	41.444	94.81	40.984	94.65	40.524	95.00	40.064	93.74	39.604	93.46	39.144	93.14	38.684	92.99	38.224	91.94	37.764	91.33	37.304	90.75	36.844	90.94	36.384	90.00	35.924	89.15	35.464	89.05
		COTA ROJA		38.27	38.86	40.49	40.05	41.16	42.01	43.42	43.72	44.50	45.58	45.20	45.79	46.38	46.98	48.36	48.81	48.96	50.16	51.14	51.89	52.33	52.74	53.37	53.66	54.48	53.68	53.85	53.99	54.31	53.72	53.57	53.44	54.09	53.62	53.23	53.58																																		
ACUERDOS VERTICALES																																																																									
DIAGRAMA DE CURVATURAS		L=657.058 R=∞																																																																							
DIAGRAMA DE PERALTES		0.44mm/m																																																																							
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE TELDE																																																																							



P.K. ABSOLUTO		21+465		21+565		21+665		21+765		21+865		21+965		22+065		22+165	
P.K. RELATIVO		401+400		401+500		401+600		401+700		401+800		401+900		402+000		402+100	
DISTANCIAS		400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000
RASANTE	TERRENO	35.464	35.004	34.544	34.084	33.624	33.164	32.704	32.244	31.784	31.324	30.864	30.404	29.944	29.484	29.024	28.564
		89.05	88.90	89.19	88.97	89.01	88.57	88.13	87.63	87.20	86.10	84.00	83.00	82.00	80.86	79.54	78.00
COTA ROJA		53.58	53.90	54.64	54.88	55.39	55.41	55.42	55.38	55.42	54.78	53.14	52.60	52.06	51.38	50.51	49.44
ACUERDOS VERTICALES																	
DIAGRAMA DE CURVATURAS		<p>D=508.083 R=2000.000</p> <p>D=160.000 A=565.685</p> <p>L=882.935 R=∞</p>															
DIAGRAMA DE PERALTES		<p>PD:70.00mm</p> <p>0.44mm/m</p>															
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE TELDE															

LEYENDA

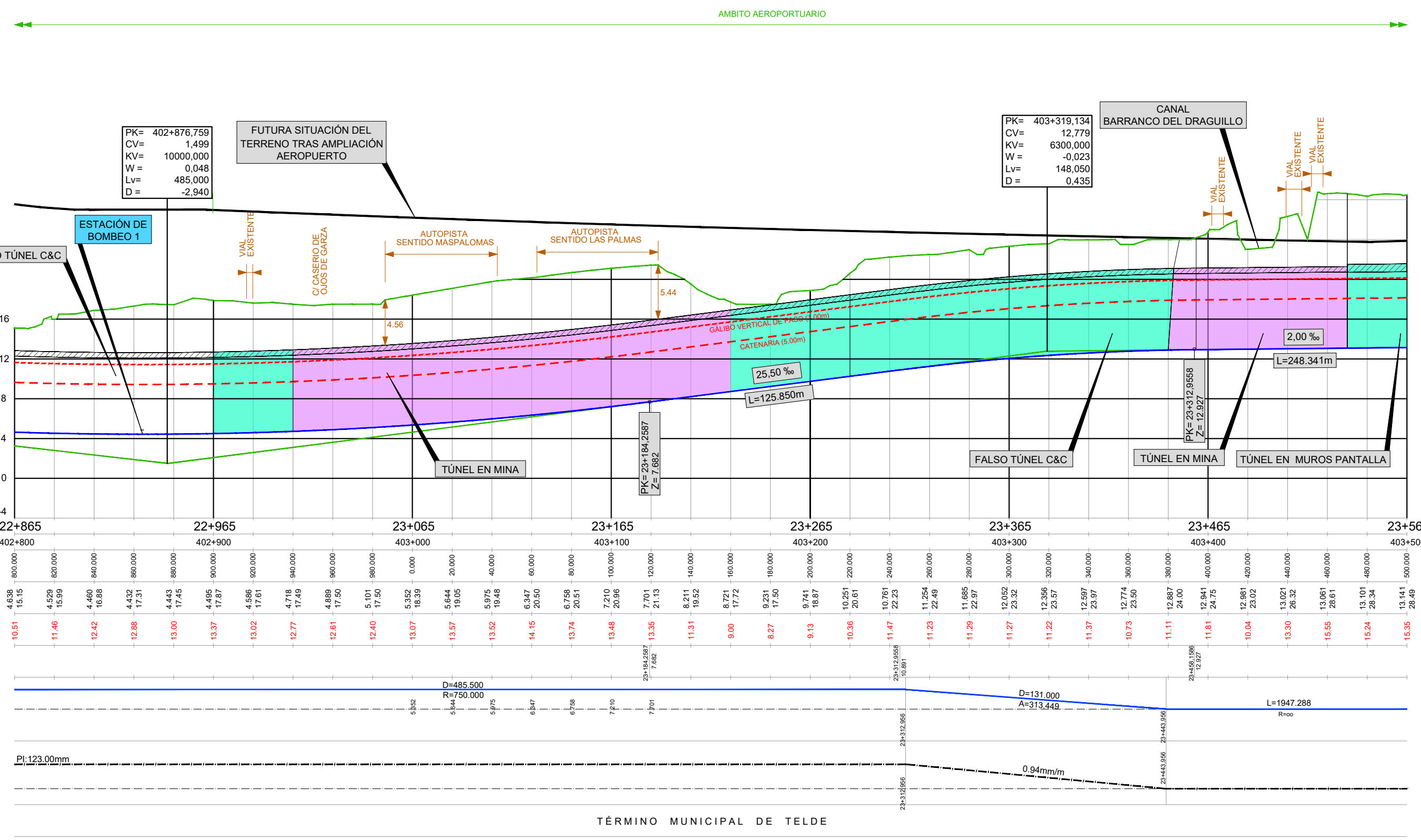
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		22+165	22+265	22+365	22+465	22+565	22+665	22+765	22+865																												
P.K. RELATIVO		402+100	402+200	402+300	402+400	402+500	402+600	402+700	402+800																												
DISTANCIAS		100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000
RASANTE	TERRENO	19.364	18.904	18.444	17.984	17.524	17.064	16.604	16.144	15.684	15.224	14.764	14.304	13.844	13.384	12.924	12.464	12.004	11.544	11.084	10.624	10.164	9.704	9.244	8.784	8.324	7.864	7.404	6.946	6.517	6.129	5.780	5.472	5.203	4.975	4.786	4.638
		54.25	52.00	49.81	47.58	45.74	44.00	42.00	40.00	38.00	36.00	34.00	30.00	25.99	24.74	23.24	22.58	21.34	21.35	23.08	23.10	23.13	23.18	22.92	22.32	22.00	21.20	20.68	20.16	19.38	18.56	17.76	17.08	16.40	15.50	15.15	
COTA ROJA		34.88	33.10	31.37	29.60	28.22	26.94	25.40	23.86	22.32	20.78	19.24	15.70	12.15	11.36	10.31	10.12	9.34	9.80	11.99	12.47	12.96	13.47	13.68	13.54	13.68	13.33	13.27	13.21	12.86	12.44	11.98	11.61	11.19	11.30	10.71	10.51
ACUERDOS VERTICALES																																					
DIAGRAMA DE CURVATURAS																																					
DIAGRAMA DE PERALTES																																					
TÉRMINO MUNICIPAL																																					

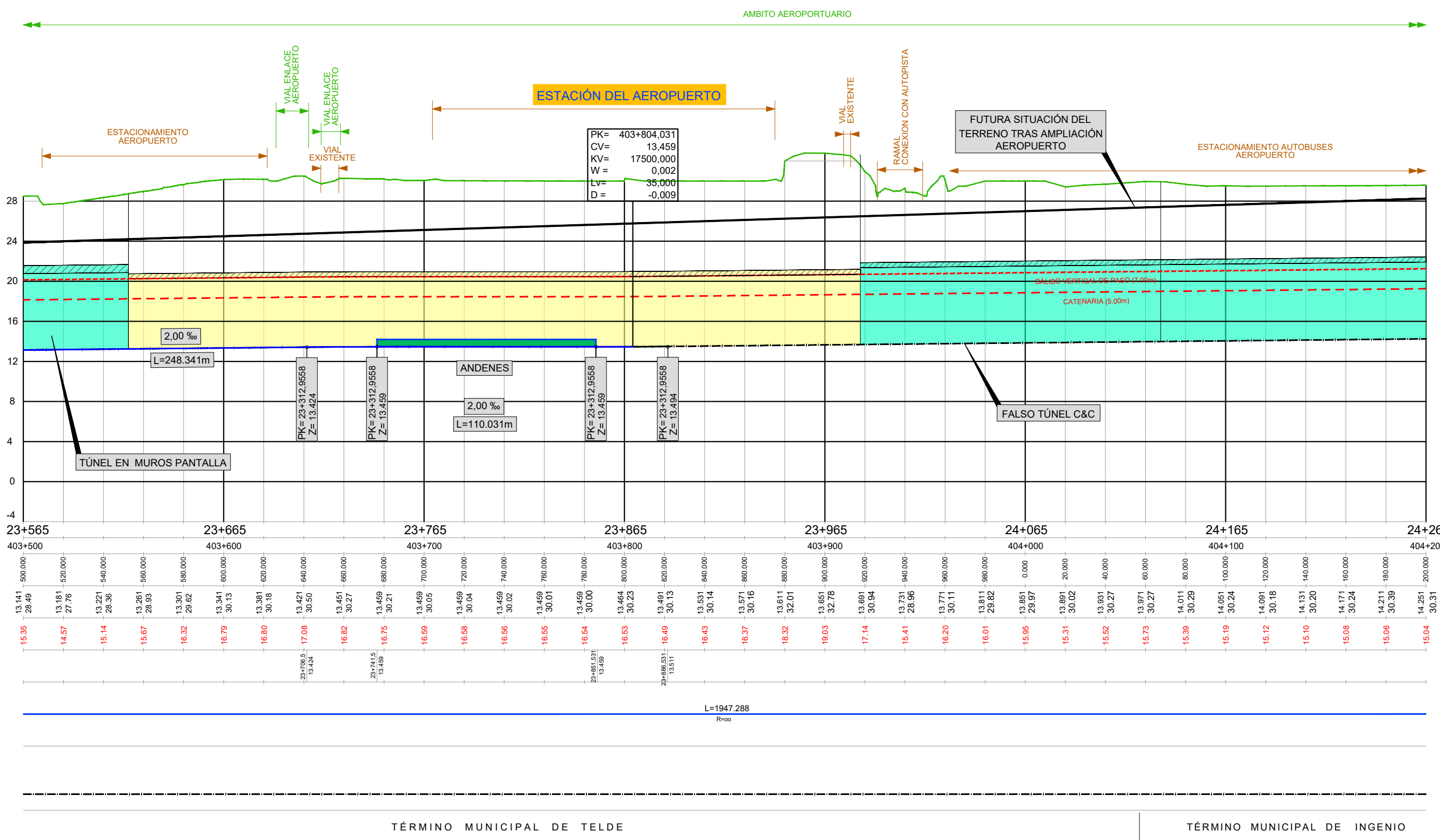
LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



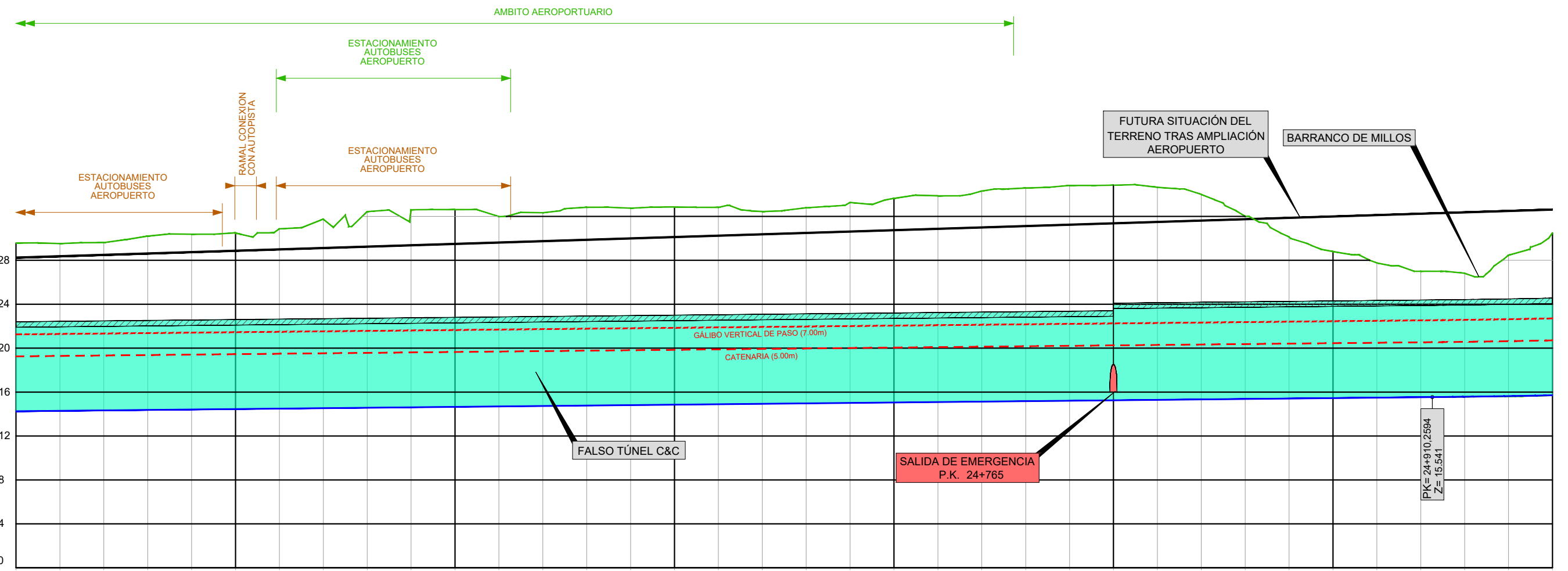
LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO	23+565	23+665	23+765	23+865	23+965	24+065	24+165	24+265
P.K. RELATIVO	403+500	403+600	403+700	403+800	403+900	404+000	404+100	404+200
DISTANCIAS	-500.000	-520.000	-540.000	-560.000	-580.000	-600.000	-620.000	-640.000
RASANTE	13.141	13.181	13.221	13.261	13.301	13.341	13.381	13.421
TERRENO	28.49	27.76	28.36	28.93	29.62	30.13	30.18	30.50
COTA ROJA	15.35	14.57	15.14	15.67	16.32	16.79	16.80	17.08
ACUERDOS VERTICALES								
DIAGRAMA DE CURVATURAS								
DIAGRAMA DE PERALTES								
TÉRMINO MUNICIPAL	TÉRMINO MUNICIPAL DE TELDE				TÉRMINO MUNICIPAL DE INGENIO			

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



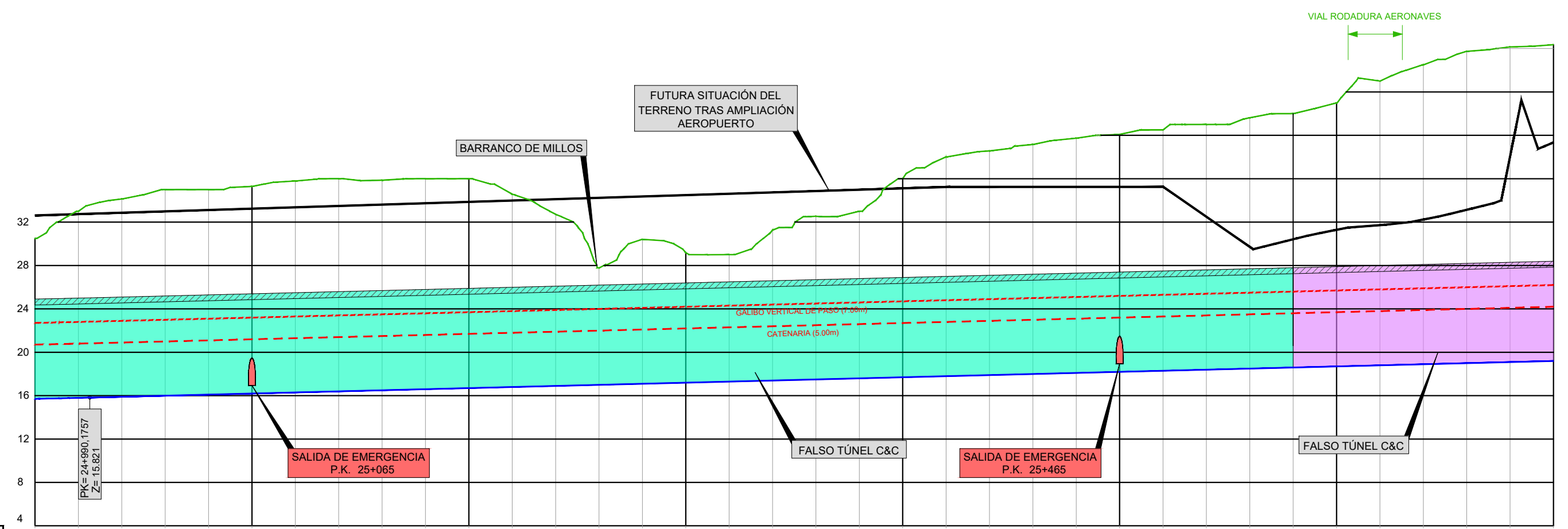
P.K. ABSOLUTO		24+265	24+365	24+465	24+565	24+665	24+765	24+865	24+965
P.K. RELATIVO		404+200	404+300	404+400	404+500	404+600	404+700	404+800	404+900
DISTANCIAS		-200.000	-220.000	-240.000	-260.000	-280.000	-300.000	-320.000	-340.000
RASANTE	TERRENO	14.251	14.291	14.331	14.371	14.411	14.451	14.491	14.531
		30.31	29.52	30.20	30.26	30.25	30.50	30.84	31.78
		14.571	14.611	14.651	14.691	14.731	14.771	14.811	14.851
		32.43	32.60	32.62	31.98	32.33	32.83	32.75	32.85
		14.891	14.891	14.891	14.891	14.891	14.891	14.891	14.891
		31.98	32.33	32.83	32.75	32.85	32.82	32.44	32.78
		14.971	15.011	15.011	15.011	15.011	15.011	15.011	15.011
		32.78	33.27	33.27	33.27	33.27	33.27	33.27	33.27
		15.051	15.051	15.051	15.051	15.051	15.051	15.051	15.051
		33.64	33.64	33.64	33.64	33.64	33.64	33.64	33.64
		15.091	15.091	15.091	15.091	15.091	15.091	15.091	15.091
		33.87	33.87	33.87	33.87	33.87	33.87	33.87	33.87
		15.131	15.131	15.131	15.131	15.131	15.131	15.131	15.131
		34.31	34.31	34.31	34.31	34.31	34.31	34.31	34.31
		15.171	15.171	15.171	15.171	15.171	15.171	15.171	15.171
		34.58	34.58	34.58	34.58	34.58	34.58	34.58	34.58
		15.211	15.211	15.211	15.211	15.211	15.211	15.211	15.211
		34.81	34.81	34.81	34.81	34.81	34.81	34.81	34.81
		15.251	15.251	15.251	15.251	15.251	15.251	15.251	15.251
		34.84	34.84	34.84	34.84	34.84	34.84	34.84	34.84
		15.291	15.291	15.291	15.291	15.291	15.291	15.291	15.291
		34.65	34.65	34.65	34.65	34.65	34.65	34.65	34.65
		15.331	15.331	15.331	15.331	15.331	15.331	15.331	15.331
		34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
		15.371	15.371	15.371	15.371	15.371	15.371	15.371	15.371
		32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
		15.411	15.411	15.411	15.411	15.411	15.411	15.411	15.411
		30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12
		15.451	15.451	15.451	15.451	15.451	15.451	15.451	15.451
		28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
		15.491	15.491	15.491	15.491	15.491	15.491	15.491	15.491
		27.76	27.76	27.76	27.76	27.76	27.76	27.76	27.76
		15.531	15.531	15.531	15.531	15.531	15.531	15.531	15.531
		27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
		15.575	15.575	15.575	15.575	15.575	15.575	15.575	15.575
		26.82	26.82	26.82	26.82	26.82	26.82	26.82	26.82
		15.633	15.633	15.633	15.633	15.633	15.633	15.633	15.633
		28.47	28.47	28.47	28.47	28.47	28.47	28.47	28.47
		15.707	15.707	15.707	15.707	15.707	15.707	15.707	15.707
		30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50

L=1947.288
R=∞

TÉRMINO MUNICIPAL DE INGENIO

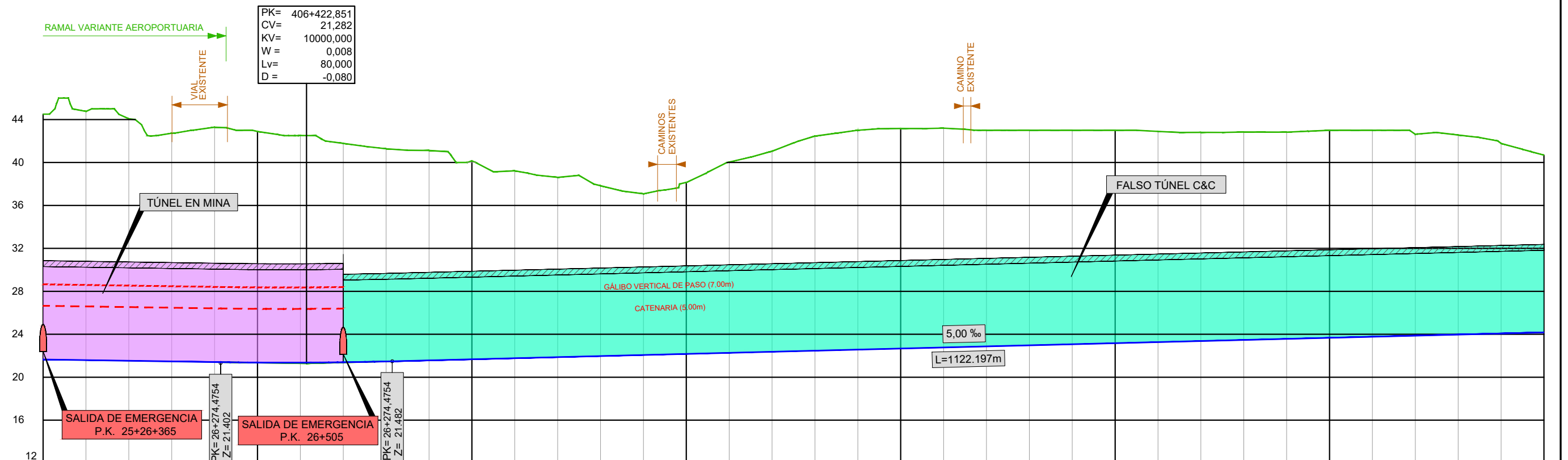
LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



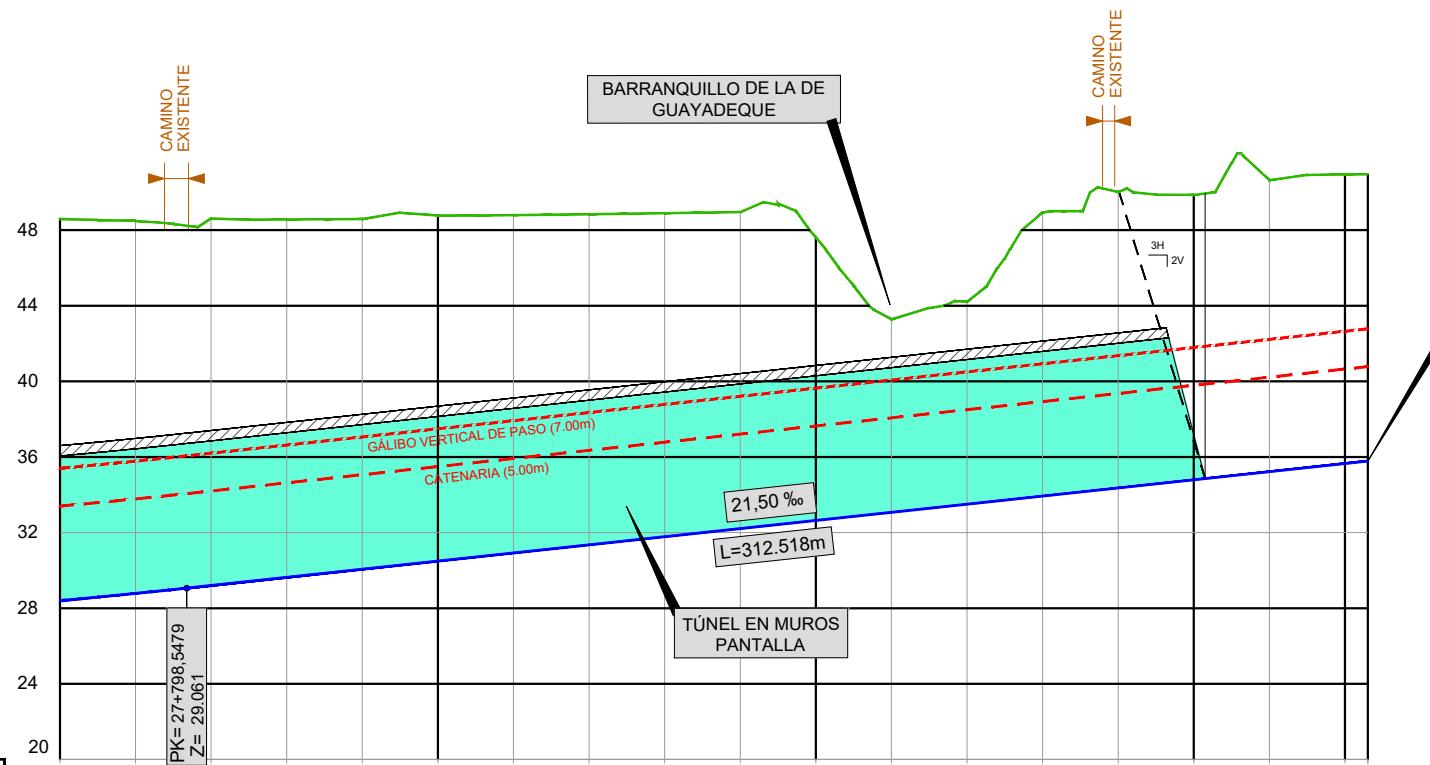
P.K. ABSOLUTO	24+965	25+065	25+165	25+265	25+365	25+465	25+565	25+665	
P.K. RELATIVO	404+900	405+000	405+100	405+200	405+300	405+400	405+500	405+600	
DISTANCIAS	0.000	100.000	200.000	300.000	400.000	500.000	600.000	700.000	
RASANTE	15.707	15.796	15.885	15.995	16.095	16.195	16.295	16.395	
TERRENO	30.50	33.00	34.13	35.00	35.00	35.28	35.79	36.00	
COTA ROJA	12.81	15.21	16.24	17.01	16.91	17.09	17.49	17.61	
ACUERDOS VERTICALES		24+990,1757 15.821							
DIAGRAMA DE CURVATURAS	L=1947.288 R=∞			D=160.000 A=565.685			D=786.894 R=2000.000		
DIAGRAMA DE PERALTES				0.44mm/m			PD:70.00mm		
TÉRMINO MUNICIPAL	TÉRMINO MUNICIPAL DE INGENIO								

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO	26+365	26+465	26+565	26+665	26+765	26+865	26+965	27+065
P.K. RELATIVO	406+300	406+400	406+500	406+600	406+700	406+800	406+900	407+000
DISTANCIAS	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000
RASANTE	21.651	21.591	21.531	21.471	21.411	21.366	21.360	21.394
TERRENO	44.50	44.76	44.06	42.72	43.29	42.89	42.51	41.78
COTA ROJA	22.85	23.17	22.53	21.25	21.88	21.52	21.15	20.38
ACUERDOS VERTICALES								
DIAGRAMA DE CURVATURAS	D=160.000 A=565.685		L=189.632 R=∞		D=180.000 A=464.758		D=260.384 R=1200.000	
DIAGRAMA DE PERALTES	0.44mm/m		0.64mm/m		PI:115.00mm			
TÉRMINO MUNICIPAL	TÉRMINO MUNICIPAL DE INGENIO							

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

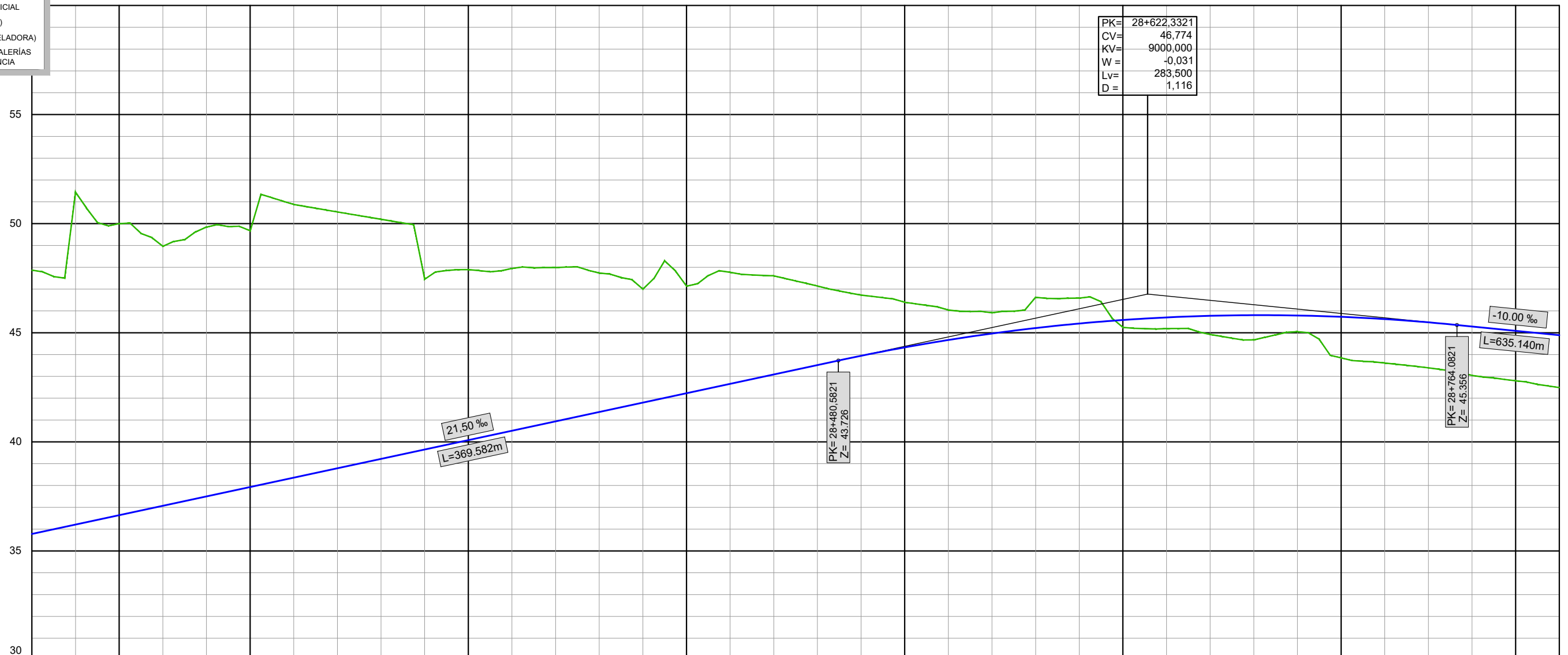


FIN TRAMO 4 - INICIO TRAMO 5		
	TRAMO 4	TRAMO 5
PK Relativo	408+046,041 /	500+000,000
PK Absoluto	28+111,037	
X:	460580,626	
Y:	3086582,785	
Cota	35,78	
Radio	1600	
Azimut	229,7338	
Pendiente (‰)	21,5	

P.K. ABSOLUTO		27+765	27+865	27+965	28+065	28+111,16
P.K. RELATIVO		407+700	407+800	407+900	408+000	408+046,041
DISTANCIAS		700.000	720.000	740.000	760.000	780.000
RASANTE	TERRENO	28.402 48.59	28.780 48.49	29.200 48.61	29.630 48.56	30.060 48.59
COTA ROJA		20.19	19.71	19.41	18.94	18.53
ACUERDOS VERTICALES		PK=27+798,5479 Z=29,061				
DIAGRAMA DE CURVATURAS		D=180.000 A=536.656		D=213.345 R=1600.000		
DIAGRAMA DE PERALTES		0.53mm/m		Pl:95.00mm		
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE INGENIO			TÉRMINO MUNICIPAL DE INGENIO	

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

PK=	28+622,3321
CV=	46,774
KV=	9000,000
W=	-0,031
Lv=	283,500
D=	1,116



P.K. ABSOLUTO		P.K. RELATIVO	
28+111		500+000	
28+065		500+100	
28+211		500+200	
28+311		500+300	
28+411		500+400	
28+511		500+500	
28+611		500+600	
28+711		500+700	
28+811		500+800	

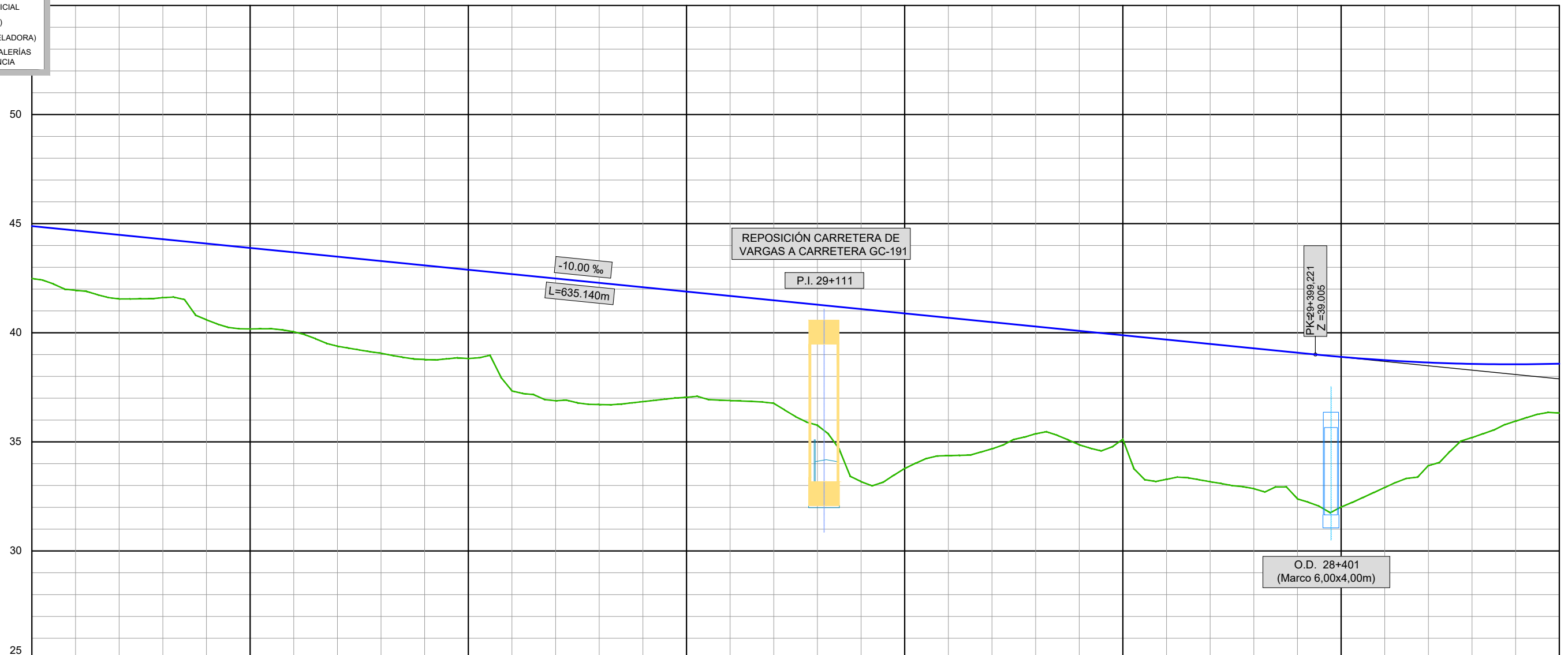
ORDENADAS	COTA DE CABEZA DE CARRIL		TERRENO	COTAS ROJAS	
	DESMONTE	TERRAPLÉN			
35.780	35.780	47.870	12.090		
36.210	36.210	51.445	15.235		
36.640	36.640	50.000	13.360		
37.070	37.070	48.965	11.895		
37.500	37.500	49.842	12.342		
37.930	37.930	49.675	11.745		
38.360	38.360	50.880	12.520		
38.790	38.790	50.539	11.749		
39.220	39.220	50.201	10.981		
39.650	39.650	47.455	7.805		
40.080	40.080	47.895	7.815		
40.510	40.510	47.946	7.436		
40.940	40.940	47.987	7.047		
41.370	41.370	47.737	6.367		
41.800	41.800	47.000	5.200		
42.230	42.230	47.137	4.907		
42.660	42.660	47.771	5.111		
43.090	43.090	47.608	4.518		
43.520	43.520	47.142	3.622		
43.944	43.944	46.725	2.782		
44.329	44.329	46.399	2.070		
44.689	44.689	46.040	1.371		
44.965	44.965	45.917	0.953		
45.216	45.216	46.623	1.407		
45.423	45.423	46.588	1.165		
45.585	45.585	45.245	0.340		
45.703	45.703	45.191	0.512		
45.777	45.777	44.922	0.854		
45.806	45.806	44.672	1.133		
45.790	45.790	45.050	0.740		
45.730	45.730	43.849	1.881		
45.626	45.626	43.612	2.014		
45.477	45.477	43.392	2.086		
45.287	45.287	43.046	2.241		
45.087	45.087	42.799	2.288		
44.887	44.887	42.487	2.400		

DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
R=1600.000 D=5.654	28+116,6563	28+111
A=565.685 D=200.000	28+316,6561	28+316,6561
A=1122.497 D=210.000	28+526,6561	28+526,6561
R=6000.000 D=1237.888		

TÉRMINO MUNICIPAL DE AGÜIMES

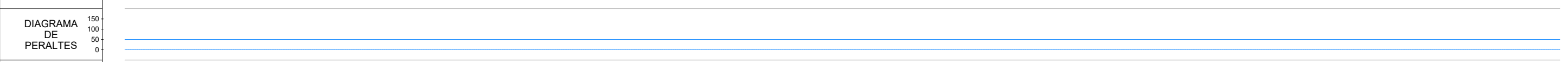
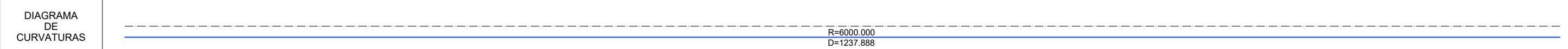
LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



	P.K. ABSOLUTO	P.K. RELATIVO
	28+811	500+700
	28+911	500+800
	29+011	500+900
	29+111	501+000
	29+211	501+100
	29+311	501+200
	29+411	501+300
	29+511	501+400

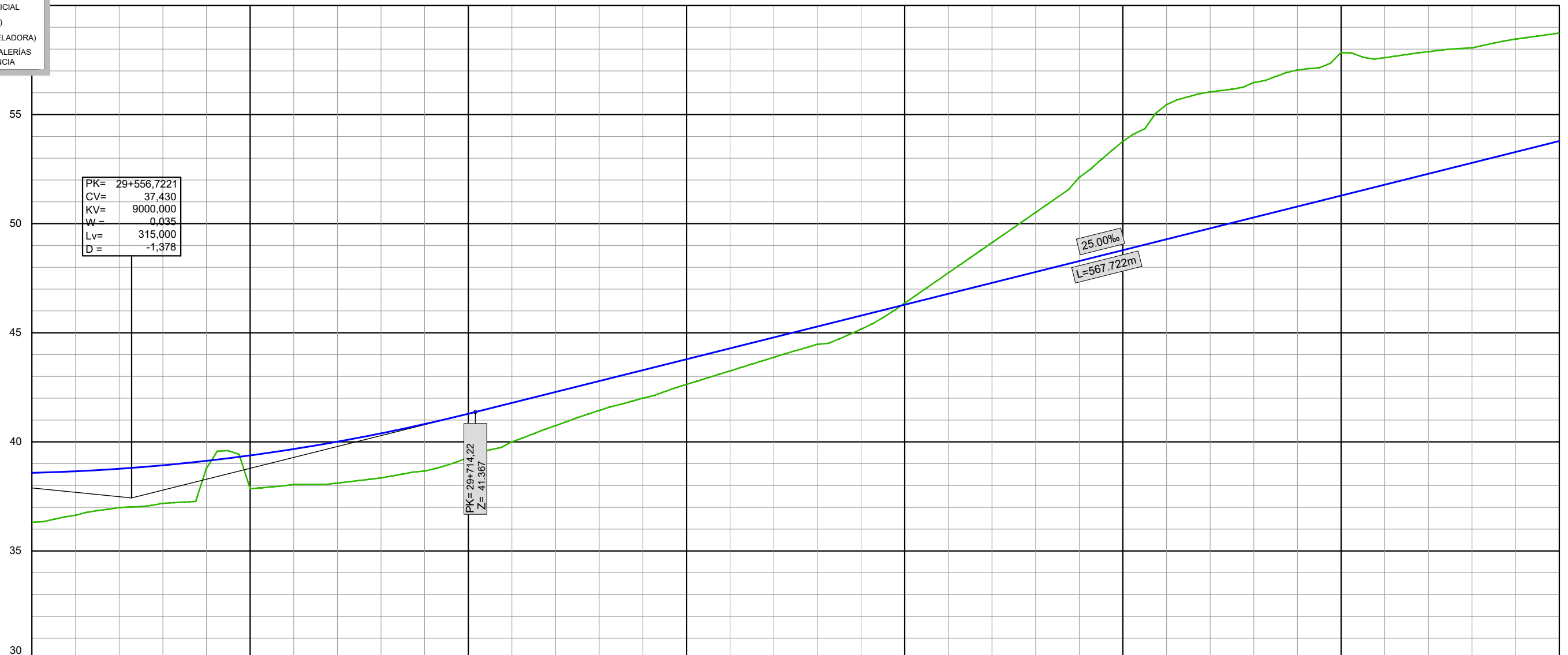
ORDENADAS	COTA DE CABEZA DE CARRIL	
	TERRENO	44.887
COTAS ROJAS	DESMONTE	
	TERRAPLÉN	2.400



TÉRMINO MUNICIPAL DE AGÜIMES

LEYENDA

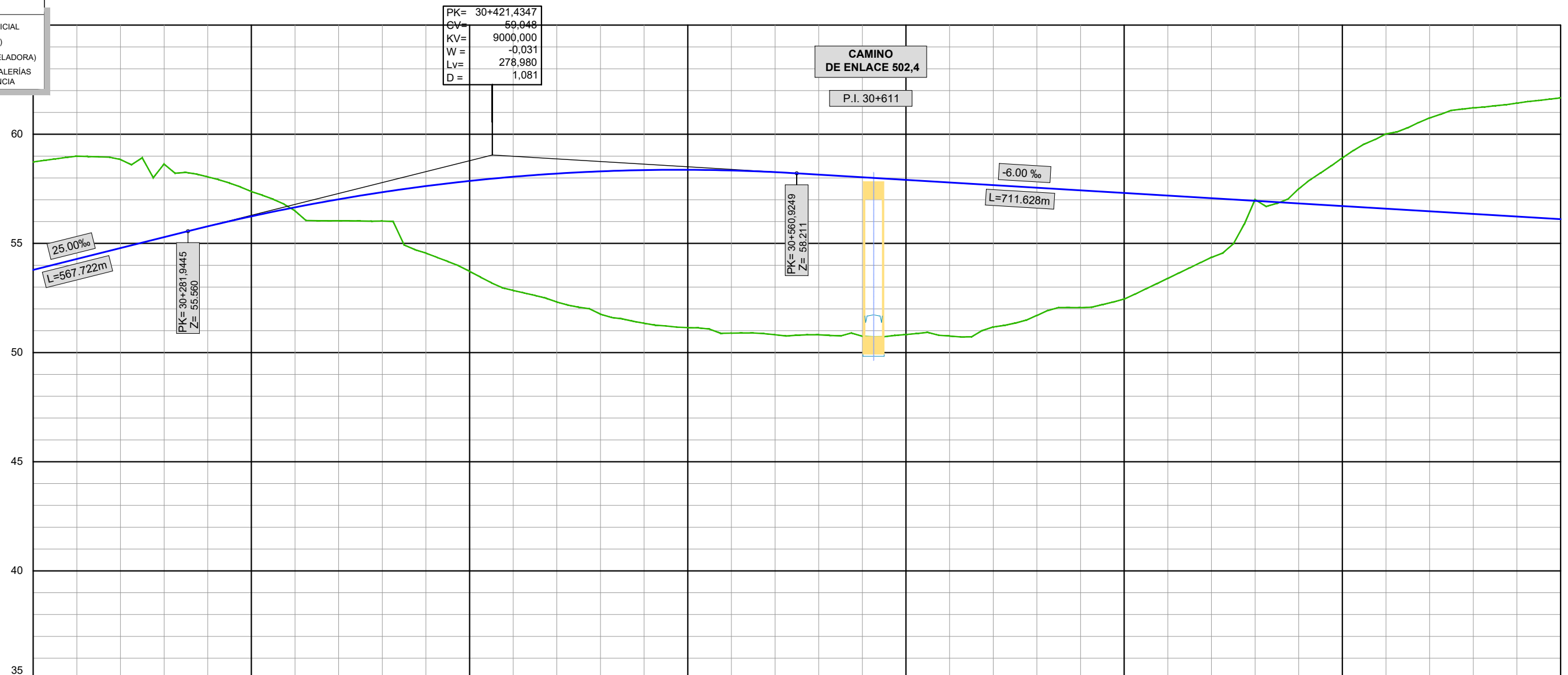
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO																																	
	29+511	29+611	29+711	29+811	29+911	30+011	30+111	30+211																											
	501+400	501+500	501+600	501+700	501+800	501+900	502+000	502+100																											
ORDENADAS	COTA DE CABEZA DE CARRIL		TERRENO		DESMONTE		TERRAPLÉN																												
	38.581	38.632	38.767	38.926	39.130	39.379	39.671	40.009	40.390	40.817	41.287	41.787	42.287	42.787	43.287	43.787	44.287	44.787	45.287	45.787	46.287	46.787	47.287	47.787	48.287	48.787	49.287	49.787	50.287	50.787	51.287	51.787	52.287	52.787	53.287
COTAS ROJAS	DESMONTE		TERRAPLÉN		DESMONTE		TERRAPLÉN																												
	2.262	2.014	1.779	1.743	0.341	1.526	1.627	1.897	2.045	2.158	2.002	1.785	1.543	1.347	1.284	1.154	1.033	0.912	0.815	0.622	0.071	0.957	1.842	2.727	3.839	4.984	6.167	6.253	6.180	6.258	6.557	5.821	5.595	5.271	5.173
DIAGRAMA DE CURVATURAS		DIAGRAMA DE PERALTES		TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL																											
R=6000.000 D=1237.888		PD:50,00mm		29+764,5304		29+764,5304		29+764,5304																											
A=1122.497 D=210.000		PD:50,00mm		29+974,5314		29+974,5314		29+974,5314																											
RECTA L=84.544		PD:50,00mm		30+059,0626		30+059,0626		30+059,0626																											
A=1168.332 D=210.000		PD:50,00mm		30+059,0626		30+059,0626		30+059,0626																											
		TÉRMINO MUNICIPAL DE AGÜIMES		TÉRMINO MUNICIPAL DE AGÜIMES		TÉRMINO MUNICIPAL DE AGÜIMES		TÉRMINO MUNICIPAL DE AGÜIMES																											

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

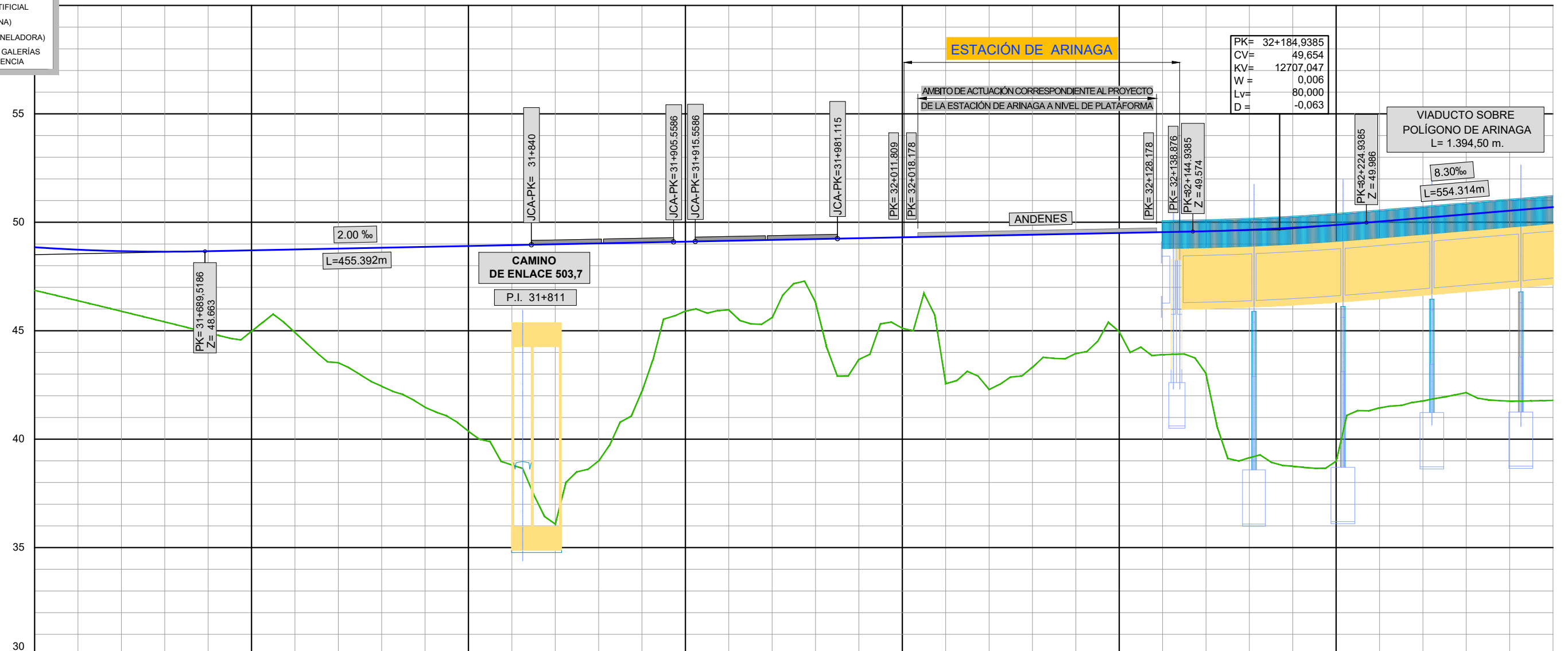


P.K. ABSOLUTO		P.K. RELATIVO	ORDENADAS		COTAS ROJAS		DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
			COTA DE CABEZA DE CARRIL	TERRENO	DESMONTE	TERRAPLÉN			
30+211	502+100		53.787	58.732	4.946		A=1168.332 D=210.000		30+269,0628
			54.287	58.996	4.709			PI:45,00mm	
			54.787	58.844	4.057				
			55.287	58.635	3.349				
			55.782	58.049	2.266				
			56.240	57.373	1.133		R=6500.000 D=81.281		30+350,3435
			56.653	56.492		0.161			
			57.022	56.039		0.983			
			57.346	56.025		1.321			
			57.626	54.555		3.071			
			57.861	53.722		4.139	A=1168.332 D=210.000		
			58.052	52.847		5.205			
			58.199	52.317		5.882			
			58.301	51.758		6.543			
			58.359	51.342		7.016			
			58.372	51.144		7.228			
			58.341	50.889		7.452			
			58.265	50.817		7.448			
			58.150	50.815		7.335			
			58.031	50.745		7.285			
			57.911	50.826		7.085			
			57.791	50.758		7.033			
			57.671	51.175		6.496			
			57.551	51.700		5.851	A=838.749 D=210.000		
			57.431	52.059		5.372			
			57.311	52.452		4.858			
			57.191	53.400		3.791			
			57.071	54.361		2.710			
			56.951	57.008	0.068				
			56.831	57.502	0.672				
			56.711	58.919	2.208		R=3350.000 D=80.354		30+770,3435
			56.591	60.014	3.423				
			56.471	60.749	4.278				30+850,6873
			56.351	61.209	4.858				
			56.231	61.427	5.196				
			56.111	61.665	5.554				

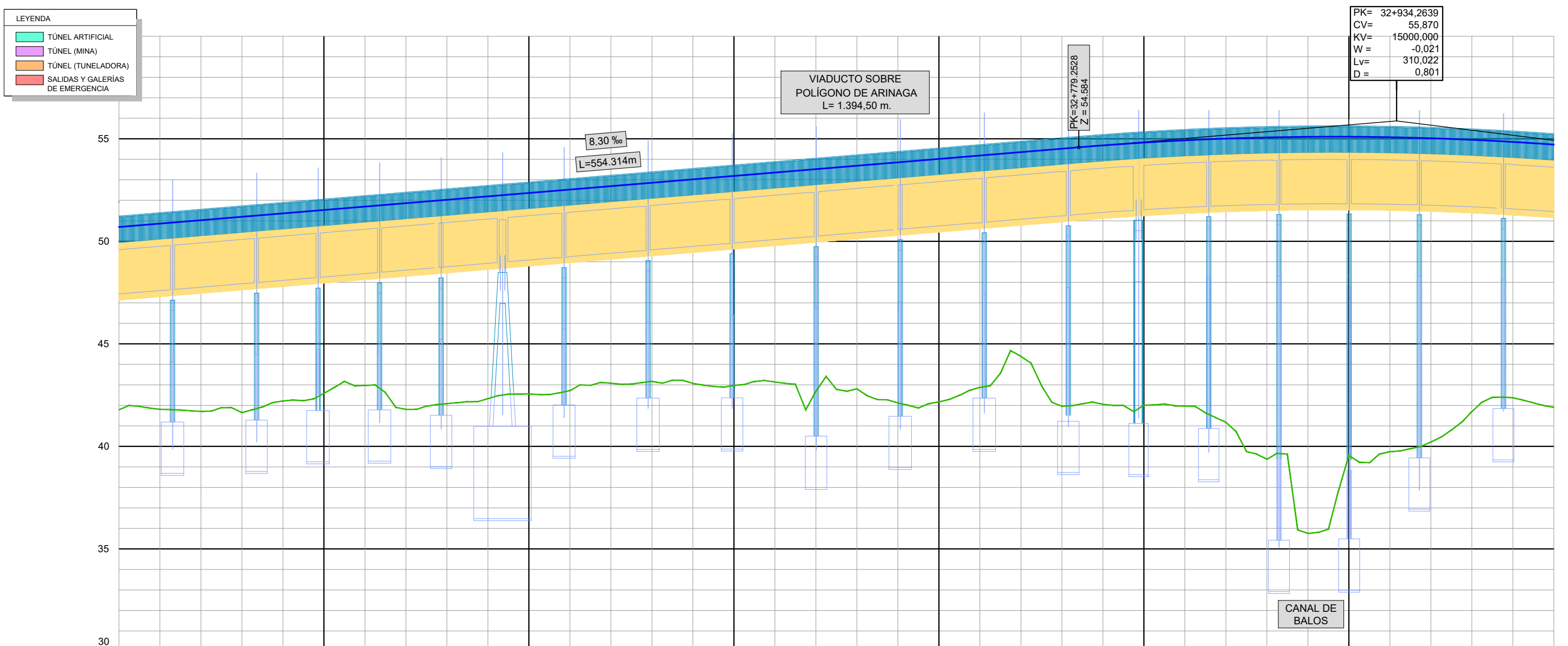
TÉRMINO MUNICIPAL DE AGÜIMES

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

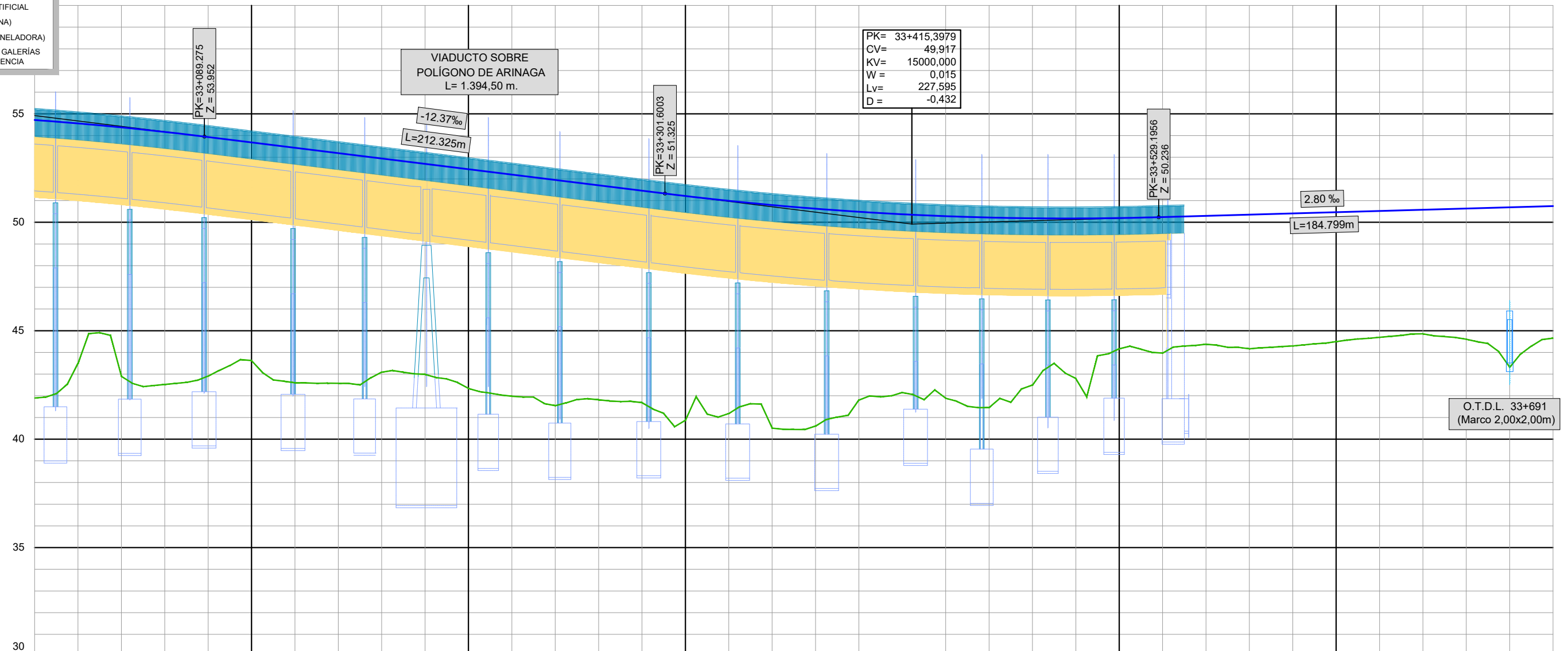


P.K. ABSOLUTO	31+611	31+711	31+811	31+911	32+011	32+111	32+211	32+311																																																							
P.K. RELATIVO	503+500	503+600	503+700	503+800	503+900	504+000	504+100	504+200																																																							
ORDENADAS	COTA DE CABEZA DE CARRIL																																																														
	48.849	48.736	48.669	48.645	48.666	48.706	48.746	48.786	48.826	48.866	48.906	48.946	48.986	49.026	49.066	49.106	49.146	49.186	49.226	49.266	49.306	49.346	49.386	49.426	49.466	49.506	49.546	49.587	49.633	49.749	49.878	50.036	50.202	50.368	50.534	50.700																											
	TERRENO																																																														
	46.864	46.385	45.899	45.407	44.908	44.973	44.919	43.526	42.440	41.467	40.363	38.806	36.082	38.992	42.214	45.902	45.964	45.606	46.315	43.675	45.113	42.560	42.289	43.317	43.952	44.958	43.896	43.022	39.142	38.748	38.978	41.443	41.760	42.146	41.751	41.788																											
COTAS ROJAS	DESMONTE																																																														
	TERRAPLÉN																																																														
	1.985	2.352	2.769	3.238	3.758	3.733	3.827	5.260	6.386	7.399	8.543	10.140	12.904	10.034	6.852	3.204	3.183	3.580	2.911	5.591	4.193	6.786	7.097	6.109	5.514	4.549	5.650	6.565	10.511	11.001	10.899	8.593	8.442	8.221	8.782	8.912																											
DIAGRAMA DE CURVATURAS	R=1125.000 D=378.760									A=474.342 D=200.000									DSIH-G-UIC60-250-0,11-CC-I-TC									DSIH-G-UIC60-250-0,11-CC-D-TC									DSIH-G-UIC60-250-0,11-CC-D-TC									RECTA L=321.571									A=579.655 D=210.000								
DIAGRAMA DE PERALTES	Pl:130,00mm									31+639,4375									31+839,4375									31+905,5686									31+915,5686									32+161																	
TÉRMINO MUNICIPAL	31+639,4375									31+839,4375									31+905,5686									31+915,5686									32+161																										



P.K. ABSOLUTO		P.K. RELATIVO	
32+311		504+200	
32+411		504+300	
32+511		504+400	
32+611		504+500	
32+711		504+600	
32+811		504+700	
32+911		504+800	
33+011		504+900	
ORDENADAS	COTA DE CABEZA DE CARRIL	TERRENO	DESMONTE
	50.700	41.788	8.912
	50.866	41.806	9.060
	51.031	41.705	9.326
	51.197	41.647	9.551
	51.363	42.213	9.151
	51.529	42.586	8.943
	51.695	42.972	8.724
	51.861	41.802	10.059
	52.027	42.086	9.941
	52.193	42.329	9.864
	52.359	42.560	9.799
	52.525	42.719	9.805
	52.691	43.079	9.611
	52.857	43.173	9.684
	53.022	43.074	9.949
	53.188	42.977	10.211
	53.354	43.139	10.215
	53.520	42.681	10.839
	53.686	42.806	10.880
	53.852	42.116	11.736
	54.018	42.169	11.849
	54.184	42.879	11.305
	54.350	44.392	9.958
	54.516	41.956	12.560
	54.677	42.052	12.625
	54.814	42.006	12.808
	54.924	41.964	12.960
	55.008	41.178	13.830
	55.065	39.372	15.693
	55.095	35.759	19.336
	55.099	39.560	15.538
	55.075	39.738	15.337
	55.026	40.212	14.813
	54.949	41.699	13.251
	54.846	42.372	12.474
	54.716	41.898	12.818
COTAS ROJAS	DESMONTE	TERRAPLÉN	DIAGRAMA DE CURVATURAS
			A=579.655 D=210.000
			R=1600.000 D=86.632
			A=579.655 D=210.000
			RECTA L=599.621
DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL		
150	32+371.0001	32+457.6251	32+667.6251
100			
50			
0			
	32+371.0001	32+457.6251	32+667.6251
	TÉRMINO MUNICIPAL DE AGÜIMES		

- LEYENDA
- TÚNEL ARTIFICIAL
 - TÚNEL (MINA)
 - TÚNEL (TUNELADORA)
 - SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO	
33+011		504+900	
33+111		505+000	
33+211		505+100	
33+311		505+200	
33+411		505+300	
33+511		505+400	
33+611		505+500	
33+711		505+600	

ORDENADAS	COTA DE CABEZA DE CARRIL		TERRENO
	Superior	Inferior	
	54.716	54.560	41.898
	54.377	54.167	43.491
	53.931	53.683	42.900
	53.436	52.941	42.522
	53.189	52.694	42.907
	52.941	52.446	43.623
	52.694	52.199	42.599
	52.446	51.951	42.576
	52.199	51.704	43.086
	51.951	51.456	42.988
	51.704	51.212	42.339
	51.456	50.990	41.980
	51.212	50.795	41.543
	50.990	50.627	41.815
	50.795	50.486	41.684
	50.627	50.371	40.864
	50.486	50.282	41.180
	50.371	50.221	40.507
	50.282	50.186	40.604
	50.221	50.178	41.804
	50.186	50.196	42.148
	50.178	50.241	41.887
	50.196	50.297	41.455
	50.241	50.353	42.494
	50.297	50.409	42.794
	50.353	50.465	44.167
	50.409	50.521	43.968
	50.465	50.577	44.377
	50.521	50.633	44.166
	50.577	50.689	44.298
	50.633	50.745	44.498
	50.689		44.695
	50.745		44.856
			44.606
			43.313
			44.655

COTAS ROJAS	TERRAPLÉN
11.069	
11.477	
11.645	
11.024	
10.060	
10.837	
10.612	
9.855	
9.705	
10.107	
10.218	
10.408	
9.889	
9.772	
10.347	
9.810	
10.288	
10.024	
8.681	
8.222	
8.395	
8.766	
7.692	
7.384	
6.029	
6.273	
5.920	
6.187	
6.111	
5.967	
5.826	
5.721	
6.027	
7.377	
6.090	

DIAGRAMA DE CURVATURAS
RECTA L=599.621
A=522.494 D=210.000
R=1300.000 D=134.462
A=522.494 D=210.000

DIAGRAMA DE PERALTES
33+267.2503
505+366.304 PD:135,00mm
505+500.766

TÉRMINO MUNICIPAL
TÉRMINO MUNICIPAL DE AGÜIMES
TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA



TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B



ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:100
Numérica Gráfica

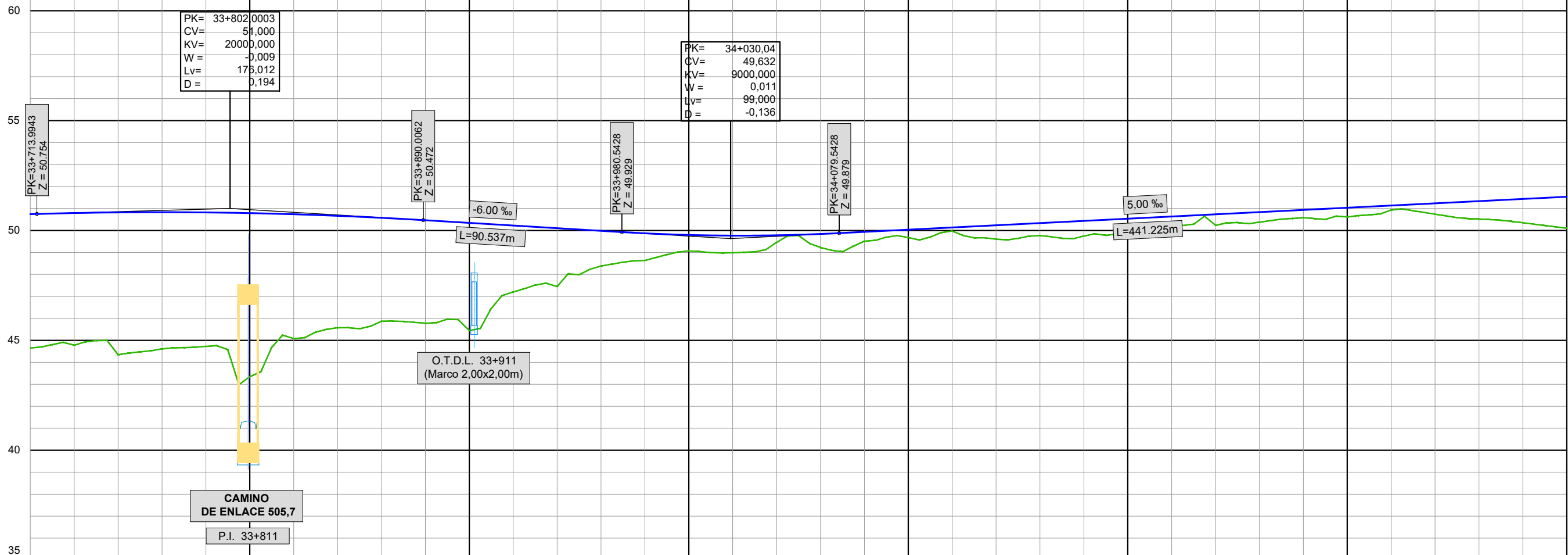
FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO PERFILES LONGITUDINALES

Nº DE PLANO
5
Hoja 51 de 84

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



	P.K. ABSOLUTO	P.K. RELATIVO	ORDENADAS	COTAS ROJAS	DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
	33+711	505+600	50.745	6.090			33+821.7186
			50.794	6.014	A=522.494 D=210.000		
			50.823	6.477			
			50.832	6.221			
			50.821	6.095			
	33+811	505+700	50.790	7.441			33+821.7186
			50.739	5.662			
			50.668	5.093			
			50.577	4.706			
			50.466	4.688			
	33+911	505+800	50.346	4.904			
			50.226	3.023			
			50.106	2.659			
			49.986	1.604			
			49.872	1.234			
	34+011	505+900	49.798	0.728	RECTA L=314.734		
			49.767	0.782			
			49.782	0.326			
			49.841	0.613			
			49.937	0.425			
	34+111	506+000	50.037	0.358			34+36.4374
			50.137	0.161			
			50.237	0.632			
			50.337	0.568			
			50.437	0.690			
	34+211	506+100	50.537	0.603	A=522.494 D=210.000		
			50.637	0.488			
			50.737	0.502			
			50.837	0.459			
			50.937	0.354			
	34+311	506+200	51.037	0.420			34+346.4374
			51.137	0.203			
			51.237	0.495			
			51.337	0.818			
			51.437	1.066			
	34+411	506+300	51.537	1.432	R=1300.000 D=301.084		34+346.4374
							PI:135.00mm

TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA



TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco TGC TRANSPORTES DE GRAN CANARIA

ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:100
Numérica Gráfica

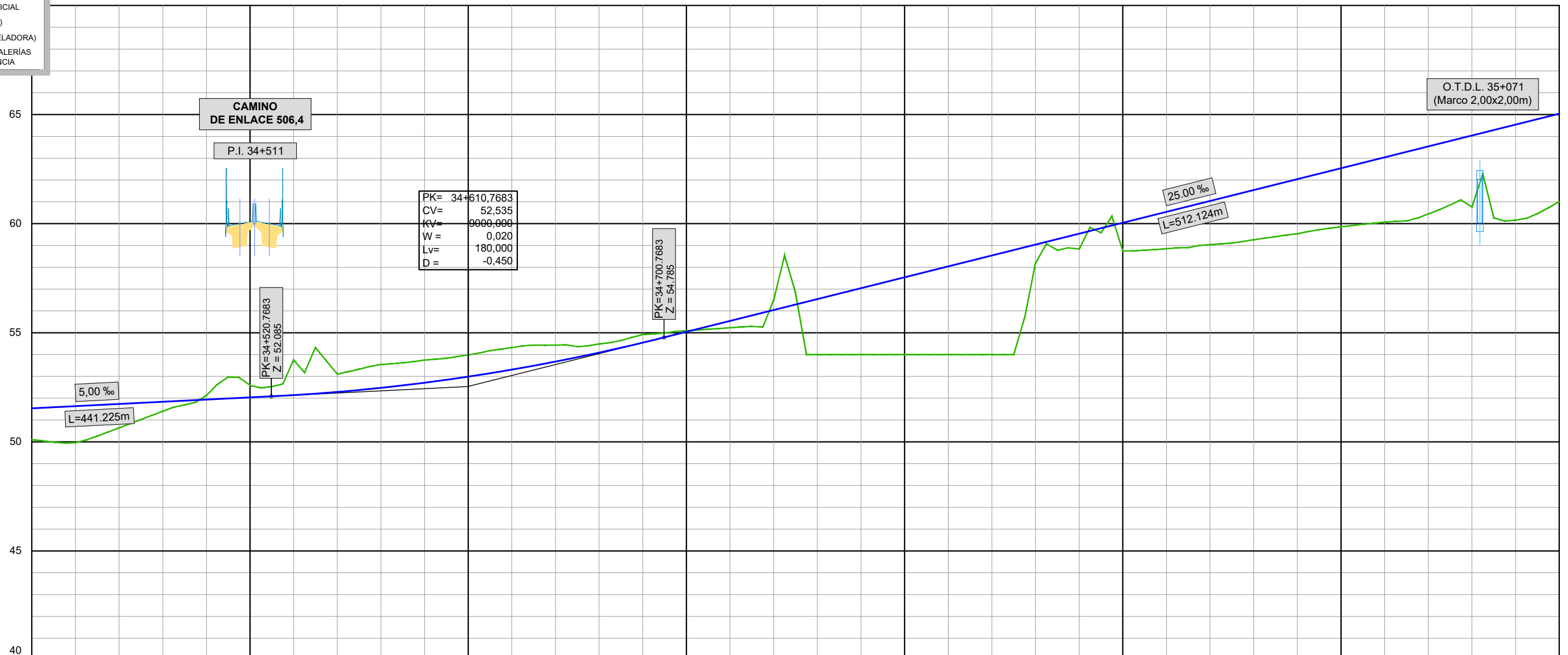
FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO PERFILES LONGITUDINALES

Nº DE PLANO
5
Hoja 52 de 84

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

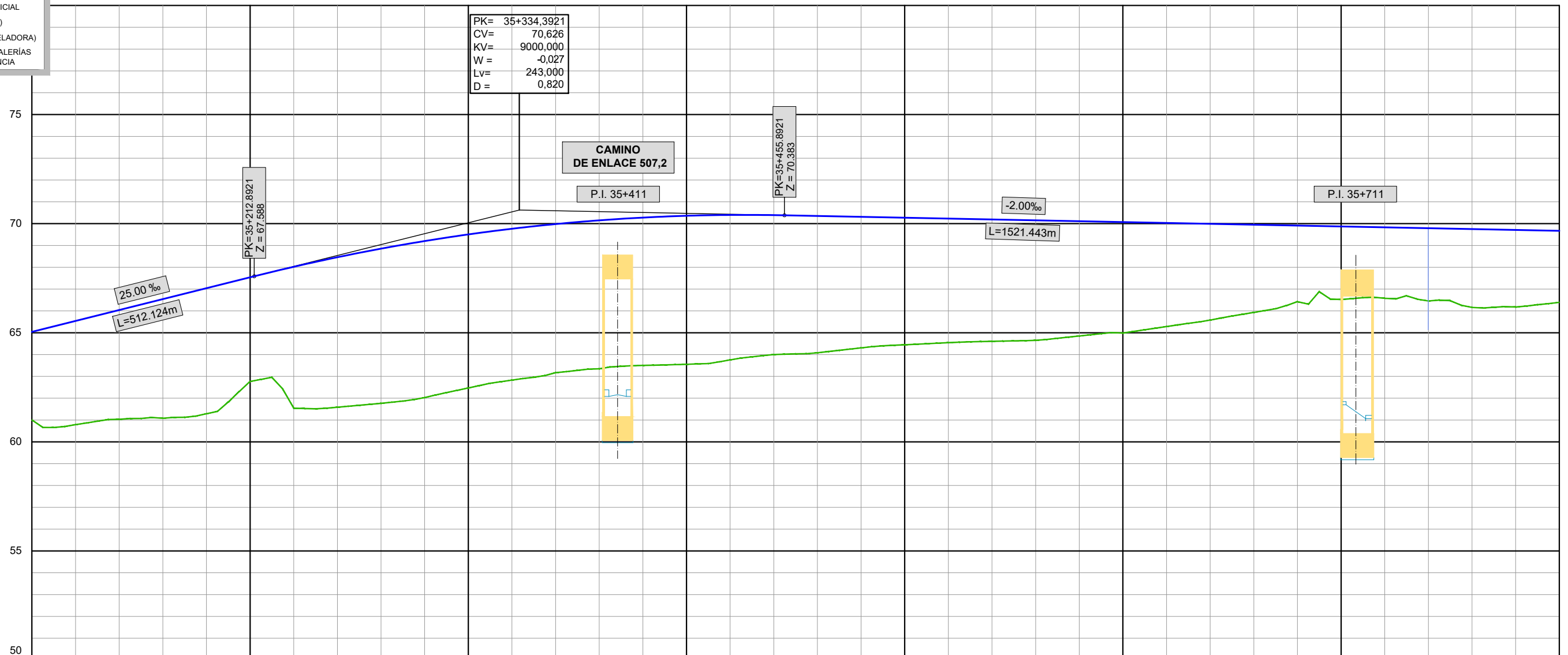


P.K. ABSOLUTO		P.K. RELATIVO																																								
34+411		506+300																																								
34+511		506+400																																								
34+611		506+500																																								
34+711		506+600																																								
34+811		506+700																																								
34+911		506+800																																								
35+011		506+900																																								
35+111		507+000																																								
ORDENADAS	COTA DE CABEZA DE CARRIL	51.537	51.637	51.737	51.837	51.937	52.037	52.142	52.287	52.477	52.711	52.989	53.312	53.679	54.090	54.546	55.041	55.541	56.041	56.541	57.041	57.541	58.041	58.541	59.041	59.541	60.041	60.541	61.041	61.541	62.041	62.541	63.041	63.541	64.041	64.541	65.041					
	TERRENO	50.105	49.960	50.642	51.403	52.125	52.590	53.758	53.103	53.543	53.747	53.984	54.318	54.434	54.486	54.919	55.091	55.230	56.493	54.000	54.000	54.000	54.000	54.000	58.190	58.837	58.748	58.851	59.036	59.264	59.536	59.854	60.073	60.444	60.762	60.161	61.007					
COTAS ROJAS	DESMONTE					0.188	0.563	1.615	0.816	1.066	1.037	0.995	1.006	0.756	0.396	0.372	0.050		0.452																							
	TERRAPLÉN	1.432	1.677	1.095	0.434													0.311	2.541	3.041	3.541	4.041	4.541	0.851	0.704	1.293	1.690	2.005	2.278	2.505	2.688	2.968	3.097	3.279	4.380	4.034						
DIAGRAMA DE CURVATURAS		R=1300.000 D=301.084										A=522.494 D=210.000										R=4300.000 D=586.843																				
DIAGRAMA DE PERALTES	150 100 50 0	Pl:135,00mm										34+647.5313										34+857.5313										506+956.585 PD:70,00mm										
TÉRMINO MUNICIPAL		34+647.5313										34+857.5313										506+956.585																				

TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

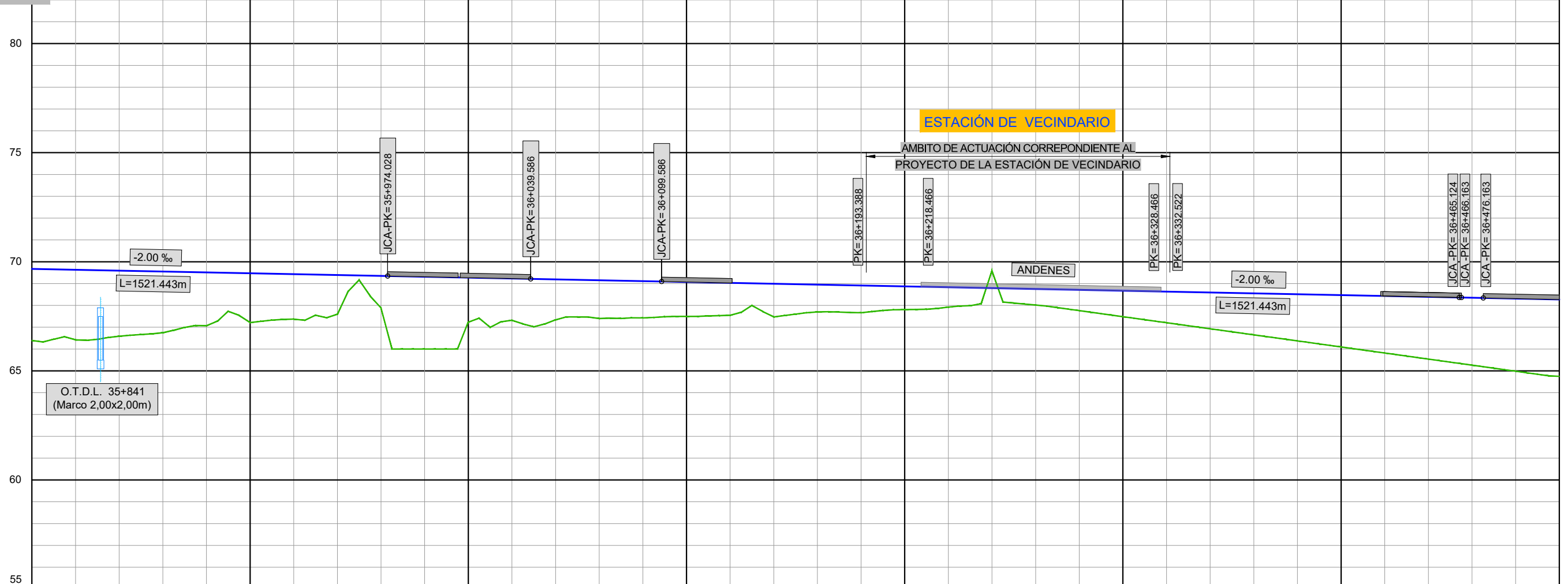


P.K. ABSOLUTO		P.K. RELATIVO	
35+111		507+000	
35+211		507+100	
35+311		507+200	
35+411		507+300	
35+511		507+400	
35+611		507+500	
35+711		507+600	
35+811		507+700	

ORDENADAS	COTA DE CABEZA DE CARRIL																																				
		65.041	65.541	66.041	66.541	67.041	67.541	68.023	68.480	68.854	69.202	69.506	69.766	69.982	70.152	70.279	70.361	70.398	70.391	70.353	70.313	70.273	70.233	70.193	70.153	70.113	70.073	70.033	69.993	69.953	69.913	69.873	69.833	69.793	69.753	69.713	69.673
COTAS ROJAS	TERRENO																																				
		61.007	60.787	61.033	61.080	61.290	62.768	61.542	61.586	61.765	62.030	62.471	62.830	63.170	63.347	63.504	63.554	63.756	64.002	64.083	64.306	64.448	64.546	64.608	64.652	64.853	64.987	65.285	65.580	65.933	66.426	66.523	66.580	66.458	66.161	66.180	66.394
COTAS ROJAS	DESMONTE																																				
COTAS ROJAS	TERRAPLÉN																																				
		4.034	4.754	5.008	5.461	5.751	4.773	6.481	6.874	7.088	7.172	7.036	6.936	6.811	6.805	6.775	6.807	6.642	6.390	6.269	6.007	5.825	5.686	5.585	5.501	5.260	5.086	4.748	4.413	4.020	3.487	3.350	3.253	3.335	3.592	3.533	3.279
DIAGRAMA DE CURVATURAS		R=4300.000 D=586.843																										A=950.263 D=210.000									
DIAGRAMA DE PERALTES		PD:70,00mm																																			
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA																										35+654.375									

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

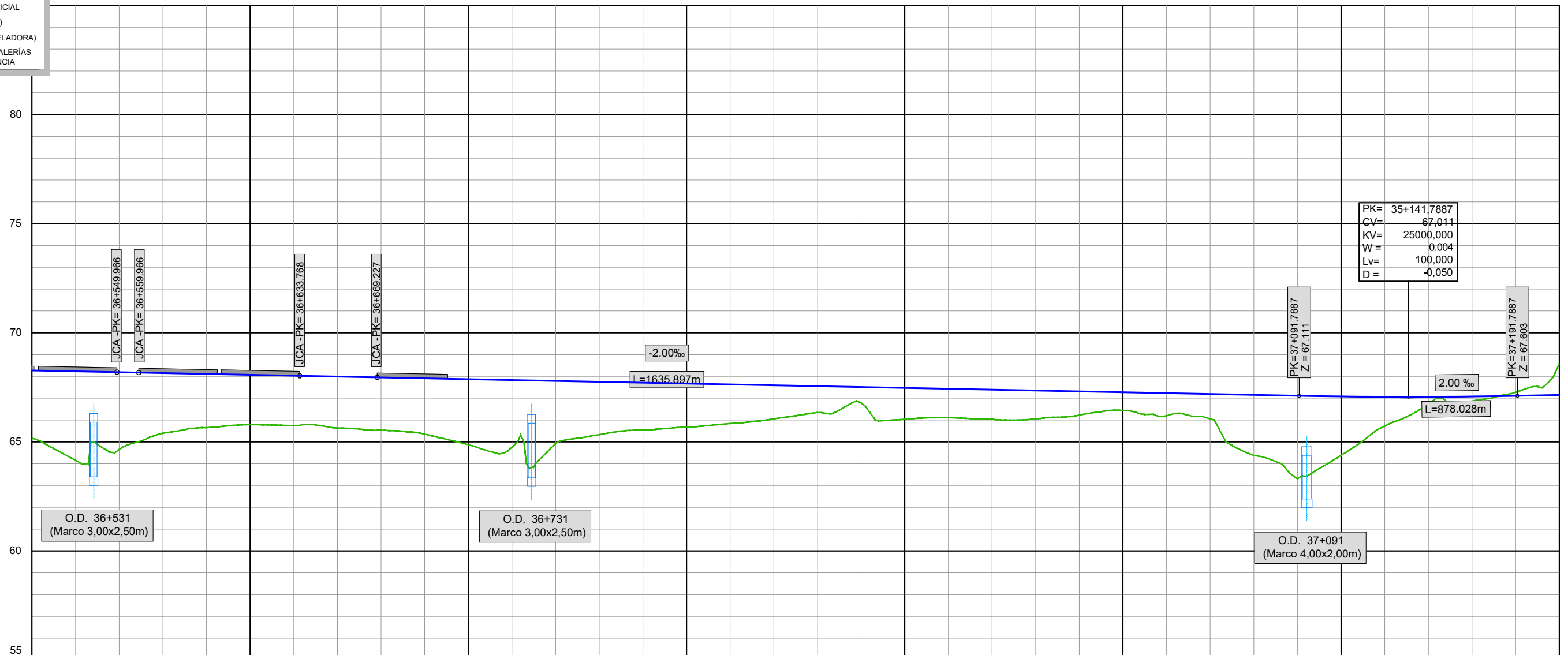


	P.K. ABSOLUTO	P.K. RELATIVO
ORDENADAS	35+811 507+700	35+911 507+800
	36+011 507+900	36+111 508+000
	36+211 508+100	36+311 508+200
	36+411 508+300	36+511 508+400
COTA DE CABEZA DE CARRIL	69.673	69.633
	69.593	69.563
	69.513	69.473
	69.433	69.393
	69.353	69.313
	69.273	69.233
	69.193	69.153
	69.073	69.033
	68.993	68.953
	68.873	68.833
	68.793	68.753
	68.673	68.633
	68.553	68.513
	68.433	68.393
	68.313	68.273
	68.193	68.153
	68.073	68.033
	67.953	67.913
	67.833	67.793
	67.713	67.673
	67.553	67.513
	67.433	67.393
	67.313	67.273
	67.153	67.113
	67.033	66.993
	66.873	66.833
	66.713	66.673
	66.553	66.513
	66.433	66.393
	66.313	66.273
	66.153	66.113
	66.033	65.993
	65.873	65.833
	65.713	65.673
	65.553	65.513
	65.433	65.393
	65.313	65.273
	65.153	65.113
	65.033	64.993
	64.873	64.833
	64.713	64.673
	64.553	64.513
	64.433	64.393
	64.313	64.273
	64.153	64.113
	64.033	63.993
	63.873	63.833
	63.713	63.673
	63.553	63.513
	63.433	63.393
	63.313	63.273
	63.153	63.113
	63.033	62.993
	62.873	62.833
	62.713	62.673
	62.553	62.513
	62.433	62.393
	62.313	62.273
	62.153	62.113
	62.033	61.993
	61.873	61.833
	61.713	61.673
	61.553	61.513
	61.433	61.393
	61.313	61.273
	61.153	61.113
	61.033	60.993
	60.873	60.833
	60.713	60.673
	60.553	60.513
	60.433	60.393
	60.313	60.273
	60.153	60.113
	60.033	60.033
DESMONTE		
TERRAPLÉN	3.279	3.210
	3.006	2.806
	2.442	2.261
	2.061	1.798
	1.471	1.313
	3.313	2.041
	1.913	1.854
	1.753	1.686
	1.578	1.521
	1.485	1.253
	1.521	1.248
	1.253	1.065
	1.248	0.911
	1.065	0.735
	0.911	0.952
	0.735	1.190
	0.952	1.427
	1.190	1.664
	1.427	1.902
	1.664	2.139
	1.902	2.377
	2.139	2.615
	2.377	2.853
	2.615	3.091
	2.853	3.329
	3.091	3.525
	3.329	
	3.525	
DIAGRAMA DE CURVATURAS	A=950.263 D=210.000	DSIHP-G-UIC60-250-0,11-CC-I-TC
		DSIHP-G-UIC60-250-0,11-CC-I-TC
		DSIHP-G-UIC60-250-0,11-CC-D-TC
		DSIHP-G-UIC60-250-0,11-CC-I-TC
		RECTA L=1163.238
		DSIHP-G/GL-UIC60-318-0,09-CR-D-TC
		DSIHP-G/GL-UIC60-318-0,09-CR-I-TC
		DSIHP-G/GL-UIC60-318-0,09-CR-I-TC
DIAGRAMA DE PERALTES	150 100 50 0	
TÉRMINO MUNICIPAL	35+864.375	35+864.375

TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO
36+511		508+400
36+611		508+500
36+711		508+600
36+811		508+700
36+911		508+800
37+011		508+900
37+111		509+000
37+211		509+100

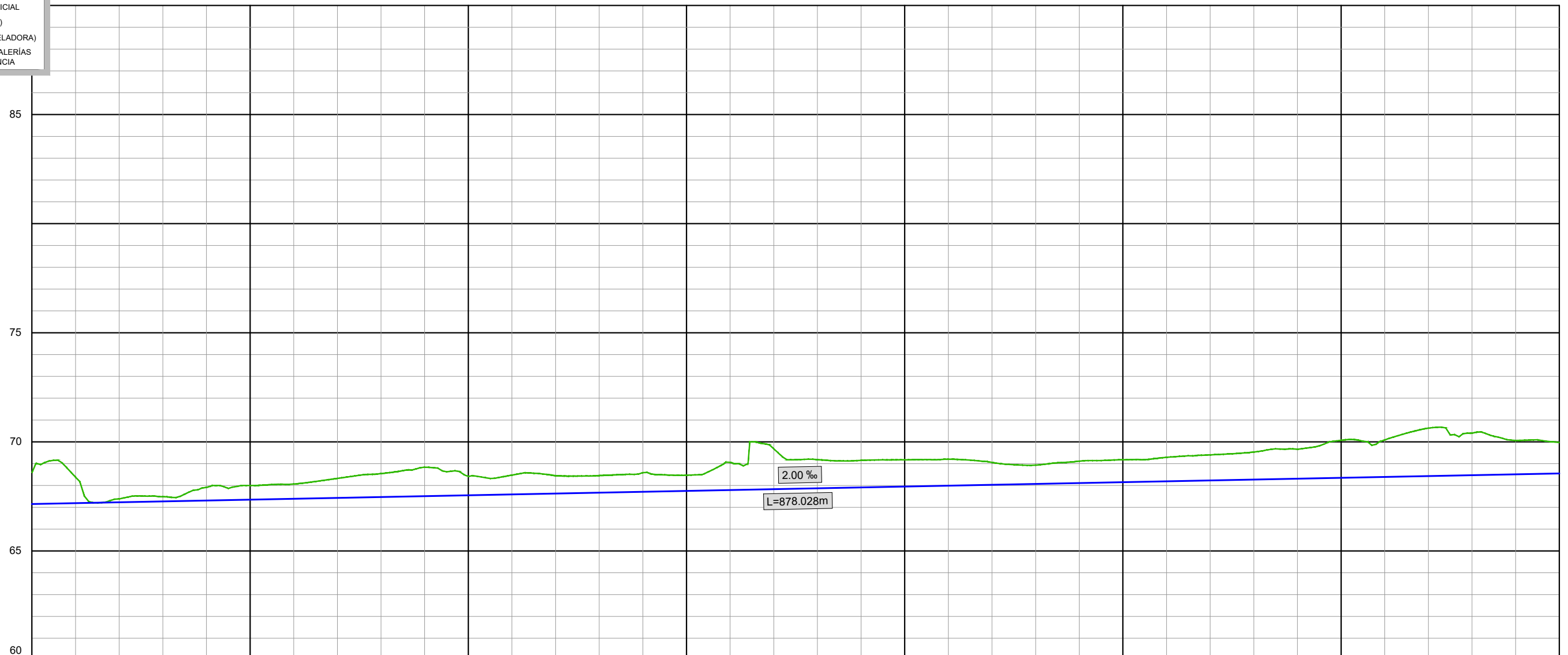
ORDENADAS	
COTA DE CABEZA DE CARRIL	68,273, 68,233, 68,193, 68,153, 68,113, 68,073, 68,033, 67,993, 67,953, 67,913, 67,873, 67,833, 67,793, 67,753, 67,713, 67,673, 67,633, 67,593, 67,553, 67,513, 67,473, 67,433, 67,393, 67,353, 67,313, 67,273, 67,233, 67,193, 67,153, 67,113, 67,080, 67,064, 67,063, 67,078, 67,110, 67,150
TERRENO	65,175, 64,154, 64,654, 65,396, 65,649, 65,788, 65,741, 65,635, 65,534, 65,353, 64,869, 64,750, 64,918, 65,332, 65,544, 65,678, 65,842, 66,052, 66,348, 66,788, 66,037, 66,110, 66,036, 66,050, 66,226, 66,441, 66,194, 66,055, 64,374, 63,304, 64,384, 65,725, 66,737, 66,865, 67,274, 68,590

COTAS ROJAS	
DESMONTE	
TERRAPLÉN	3,097, 4,079, 3,539, 2,757, 2,464, 2,284, 2,291, 2,358, 2,419, 2,560, 3,004, 3,083, 2,874, 2,421, 2,169, 1,995, 1,791, 1,541, 1,205, 0,724, 1,436, 1,323, 1,356, 1,303, 1,087, 0,832, 1,038, 1,138, 2,779, 3,808, 2,696, 1,339, 0,326, 0,213, -0,164, -1,440

DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES
DSIH-G/CL-UIC60-318-0,09-CR-I-TC, DSIH-G/CL-UIC60-318-0,09-CR-D-TC, DSIH-G/CL-UIC60-318-0,09-CR-D-TC, RECTA L=1163.238, A=614.817, D=210.000	150, 100, 50, 0

TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA

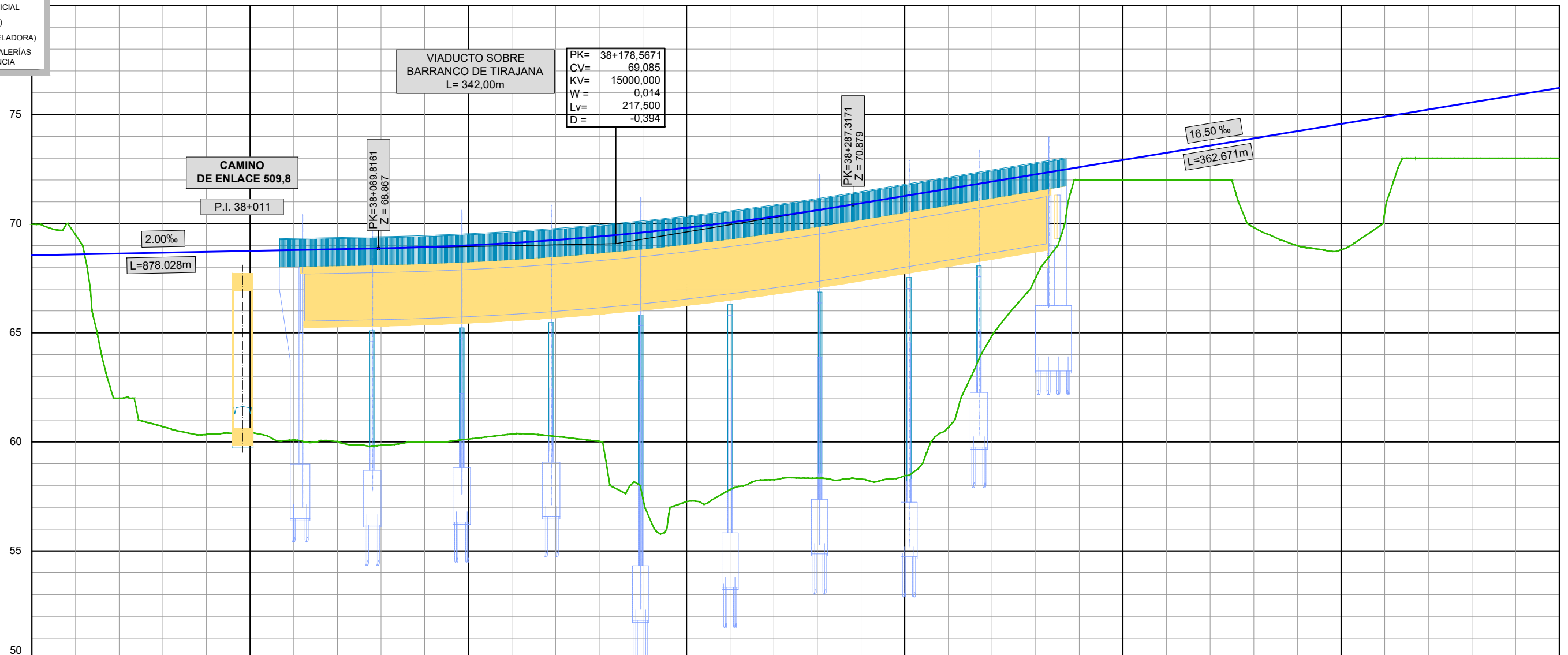
LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO																																																
37+211		37+311																																																
509+100		509+200																																																
37+411		37+511																																																
509+300		509+400																																																
37+611		37+711																																																
509+500		509+600																																																
37+811		37+911																																																
509+700		509+800																																																
ORDENADAS	COTA DE CABEZA DE CARRIL	67,150	67,190	67,230	67,270	67,310	67,350	67,390	67,430	67,470	67,510	67,550	67,590	67,630	67,670	67,710	67,750	67,790	67,830	67,870	67,910	67,950	67,990	68,030	68,070	68,110	68,150	68,190	68,230	68,270	68,310	68,350	68,390	68,430	68,470	68,510	68,550													
	TERRENO	68,590	68,385	67,385	67,482	67,912	68,000	68,065	68,324	68,547	68,837	68,414	68,476	68,450	68,454	68,588	68,471	69,060	69,682	69,187	69,150	69,177	69,203	69,057	68,932	69,114	69,180	69,290	69,402	69,534	69,661	70,074	70,091	70,627	70,401	70,065	69,970													
COTAS ROJAS	DESMONTE	-1,440	-1,195	-0,155	-0,213	-0,603	-0,650	-0,676	-0,895	-1,077	-1,327	-0,865	-0,886	-0,821	-0,785	-0,879	-0,721	-1,271	-1,852	-1,317	-1,241	-1,228	-1,214	-1,028	-0,863	-1,004	-1,031	-1,101	-1,173	-1,265	-1,352	-1,724	-1,701	-2,198	-1,932	-1,555	-1,421													
	TERRAPLÉN																																																	
DIAGRAMA DE CURVATURAS	A=614.817																	R=1800.000																	A=614.817															
	D=210.000																	D=567.184																	D=210.000															
DIAGRAMA DE PERALTES	150																	37+237.625																	37+804.8125															
	100																	PI:115,00mm																																
TÉRMINO MUNICIPAL	50																	509+126,665																	509+693,849															
	0																	TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA																																

LEYENDA

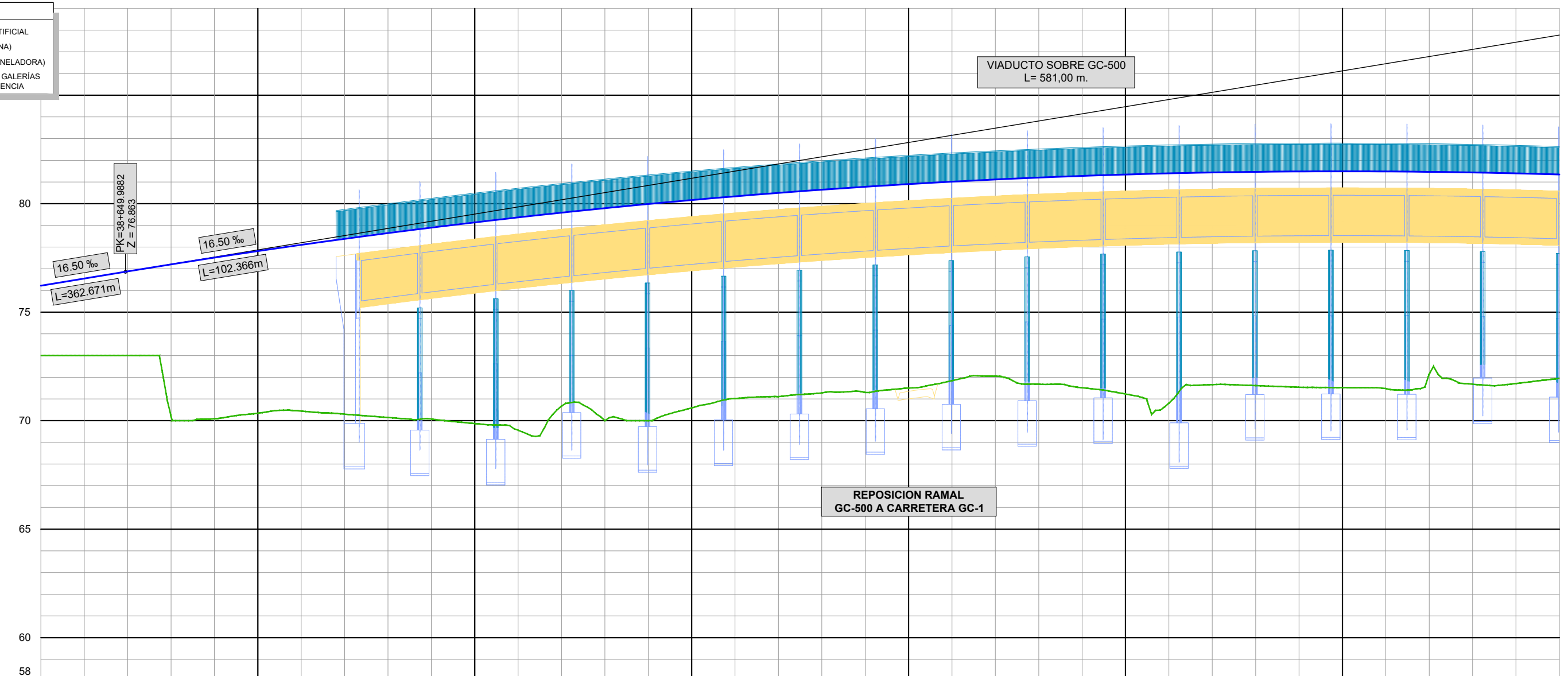
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO																																												
37+911		509+800																																												
38+011		509+900																																												
38+111		510+000																																												
38+211		510+100																																												
38+311		510+200																																												
38+411		510+300																																												
38+511		510+400																																												
38+611		510+500																																												
ORDENADAS	COTA DE CABEZA DE CARRIL	68,550	68,590	68,630	68,670	68,710	68,750	68,790	68,830	68,870	68,925	69,006	69,114	69,249	69,411	69,599	69,814	70,056	70,324	70,619	70,940	71,270	71,600	71,930	72,260	72,590	72,920	73,250	73,580	73,910	74,240	74,570	74,900	75,230	75,560	75,890	76,220									
	TERRENO	69,970	69,493	62,000	60,693	60,339	60,415	60,081	60,018	59,840	60,000	60,127	60,361	60,251	60,020	57,415	57,263	57,816	58,263	58,336	58,296	58,457	60,650	64,862	67,512	72,000	72,000	72,000	72,000	73,910	69,823	68,990	68,801	70,518	73,000	73,000	73,000	73,000	73,000	73,000	73,000					
COTAS ROJAS	DESMONTE	-1,421	-0,903																																											
	TERRAPLÉN			6,630	7,976	8,371	8,334	8,709	8,812	9,030	8,925	8,879	8,754	8,998	9,391	12,185	12,551	12,239	12,061	12,283	12,644	12,812	10,949	7,068	4,748	0,590	0,920	1,250	1,580	4,086	5,250	5,769	4,382	2,230	2,560	2,890	3,220									
DIAGRAMA DE CURVATURAS		A=614,817 D=210,000		RECTA L=410,169																									A=522,494 D=210,000																	
DIAGRAMA DE PERALTES		38+014.8126																											38+424.9686																	
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE S. LUCÍA DE TIRAJANA																									TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA																			

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



	P.K. ABSOLUTO	P.K. RELATIVO	ORDENADAS	COTAS ROJAS	DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
	38+611	510+500	76,220	3,220	A=522.494 D=210.000	38+634.9685	TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA
	38+711	510+600	77,815	7,472			
	38+811	510+700	79,368	9,809	R=1300.000 D=471.312		
	38+911	510+800	80,168	9,582			
	39+011	510+900	80,903	9,400			
	39+111	511+000	81,344	10,116	A=522.494 D=210.000	39+106.2813	
	39+211	511+100	81,486	9,967			
	39+311	511+200	81,344	9,401			



VICEPRESIDENCIA
CONSEJERÍA DE
OBRAS PÚBLICAS,
INFRAESTRUCTURAS,
TRANSPORTES
Y MOVILIDAD

TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco TGC TRANSPORTE DE GRAN CANARIA

ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:100
Numérica Gráfica

FECHA
JULIO 2022

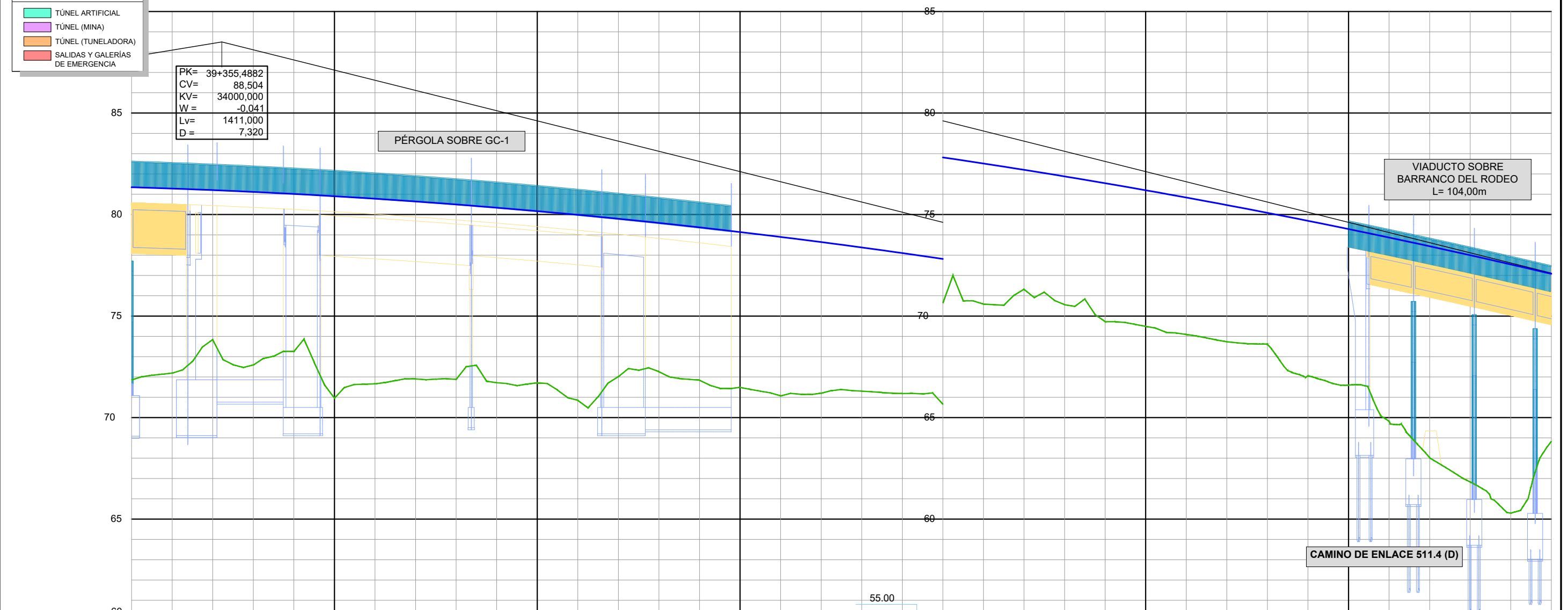
TÍTULO DEL PLANO
TRAZADO
PERFILES LONGITUDINALES

Nº DE PLANO
5
Hoja 59 de 84

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

PK= 39+355,4882
 CV= 88,504
 KV= 34000,000
 W= -0,041
 Lv= 1411,000
 D= 7,320



P.K. ABSOLUTO		P.K. RELATIVO	
39+311	511+200	39+411	511+300
39+511	511+400	39+611	511+500
39+711	511+600	39+811	511+700
39+911	511+800	40+011	511+900

ORDENADAS	COTA DE CABEZA DE CARRIL		TERRENO	
	81.344	81.280	71.855	71.855
81.203	81.115	72.191	72.191	
81.015	80.903	73.840	73.840	
80.780	80.644	72.590	72.590	
80.497	80.338	73.254	73.254	
80.168	79.985	70.956	70.956	
79.791	79.791	71.660	71.660	
79.585	79.368	71.906	71.906	
79.138	78.897	71.881	71.881	
78.897	78.644	71.715	71.715	
78.644	78.380	71.710	71.710	
78.380	78.103	70.853	70.853	
77.815	77.515	72.013	72.013	
77.515	77.203	72.263	72.263	
77.203	76.879	71.844	71.844	
76.879	76.544	71.488	71.488	
76.544	76.197	71.071	71.071	
76.197	75.838	71.201	71.201	
75.838	75.468	71.300	71.300	
75.468	75.085	71.184	71.184	
75.085	74.691	70.651	70.651	
74.691	74.285	70.588	70.588	
74.285	73.868	71.320	71.320	
73.868	73.438	70.561	70.561	
73.438	63.026	69.723	69.723	
72.997	61.826	69.492	69.492	
72.544	60.293	69.092	69.092	
72.079	63.712	68.733	68.733	
		68.618	68.618	
		67.093	67.093	
		66.603	66.603	
		64.846	64.846	
		63.026	63.026	
		61.826	61.826	
		60.293	60.293	
		55.00	55.00	
		5.367	5.367	

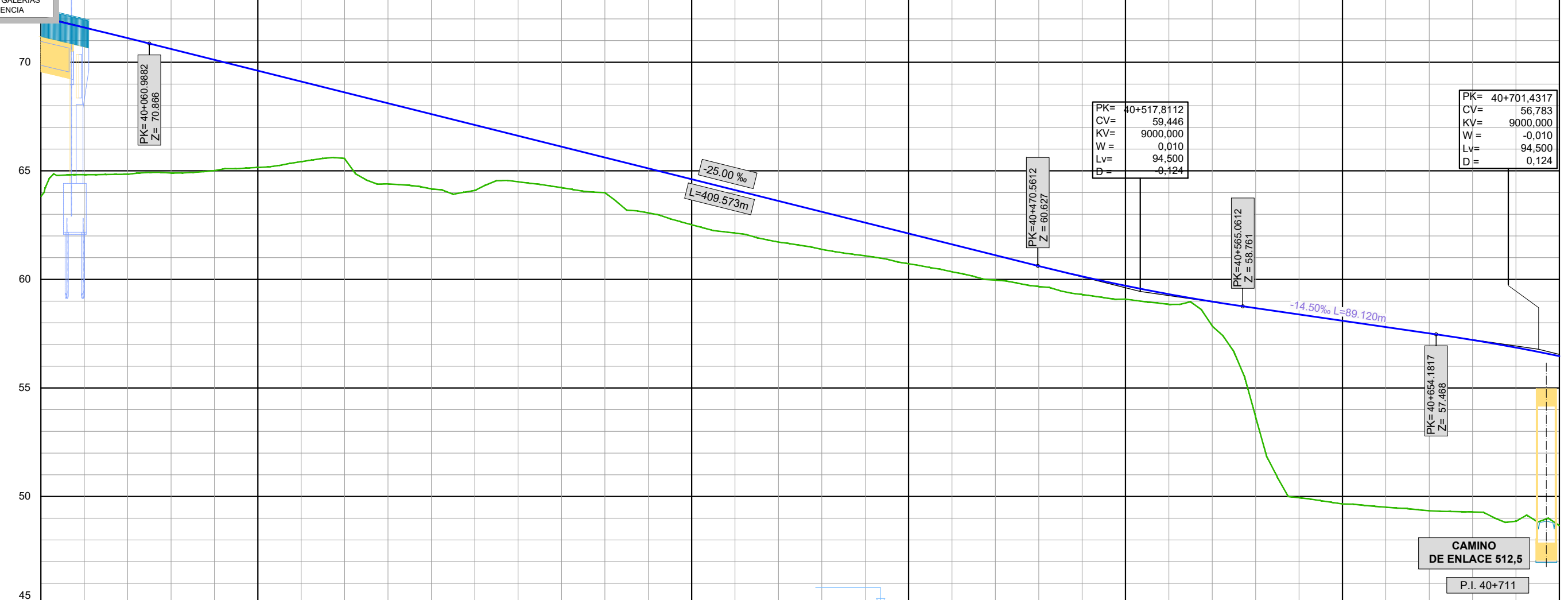
COTAS ROJAS	DESMONTE		TERRAPLÉN	
	9.489	9.089	9.489	9.489
7.363	8.525	9.089	9.089	
7.761	7.761	7.363	7.363	
9.947	9.119	8.525	8.525	
8.739	8.616	7.761	7.761	
8.623	8.458	9.947	9.947	
9.132	9.132	8.739	8.739	
7.778	7.323	8.623	8.623	
7.523	7.523	9.132	9.132	
7.651	7.826	7.778	7.778	
7.826	7.443	7.523	7.523	
7.443	7.079	7.651	7.651	
7.079	6.919	7.826	7.826	
6.919	7.164	7.443	7.443	
7.164	6.927	7.079	7.079	
6.927	5.883	6.919	6.919	
5.883	6.318	7.164	7.164	
6.318	6.821	6.927	6.927	
6.821	6.705	5.883	5.883	
6.705	6.746	6.318	6.318	
6.746	6.735	6.821	6.821	
6.735	6.468	6.705	6.705	
6.468	7.598	6.746	6.746	
7.598	7.683	6.735	6.735	
7.683	9.021	6.468	6.468	
9.021	10.412	7.598	7.598	
10.412	11.171	7.683	7.683	
11.171	12.251	9.021	9.021	
12.251	8.367	10.412	10.412	
8.367		11.171	11.171	
		12.251	12.251	
		8.367	8.367	

DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
A=522.494 D=210.000	150 100 50 0	39+316.2811
A=522.494 D=210.000		39+526.2811
R=1300.000 D=714.715		
		TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA

LEYENDA

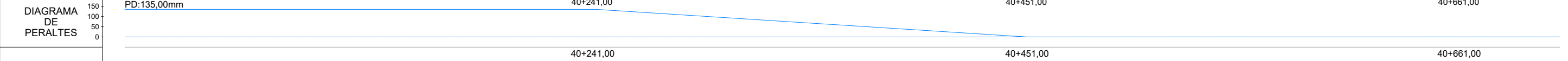
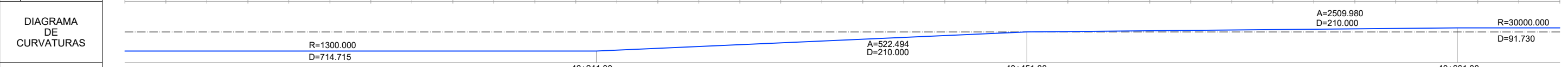
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

VIADUCTO SOBRE BARRANCO DEL RODEO
L= 104,00m



P.K. ABSOLUTO	40+011	40+111	40+211	40+311	40+411	40+511	40+611	40+711
P.K. RELATIVO	511+900	512+000	512+100	512+200	512+300	512+400	512+500	512+600

ORDENADAS	COTA DE CABEZA DE CARRIL																																								
	72,079	71,603	71,115	70,616	70,116	69,616	69,116	68,616	68,116	67,616	67,116	66,616	66,116	65,616	65,116	64,616	64,116	63,616	63,116	62,616	62,116	61,616	61,116	60,616	60,139	59,707	59,319	58,976	58,675	58,385	58,095	57,805	57,515	57,209	56,859	56,465					
COTAS ROJAS	TERRENO																																								
	63,712	64,825	64,842	64,901	65,014	65,157	65,424	65,568	64,400	64,168	64,093	64,497	64,227	63,998	63,064	62,513	62,134	61,719	61,382	61,086	60,720	60,349	59,969	59,670	59,302	58,990	58,848	57,847	53,667	49,945	49,654	49,506	49,343	49,287	48,859	48,655					
	DESMONTE																																								
	TERRAPLÉN																																								
	8,367	6,778	6,272	5,715	5,103	4,459	3,693	3,048	3,717	3,448	3,023	2,119	1,889	1,618	2,052	2,103	1,982	1,898	1,734	1,530	1,396	1,267	1,147	0,946	0,838	0,617	0,471	1,128	5,008	8,440	8,440	8,299	8,172	7,922	8,000	7,810					



TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA



TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco TGC TRANSPORTES DE GRAN CANARIA

ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:100
Numérica Gráfica

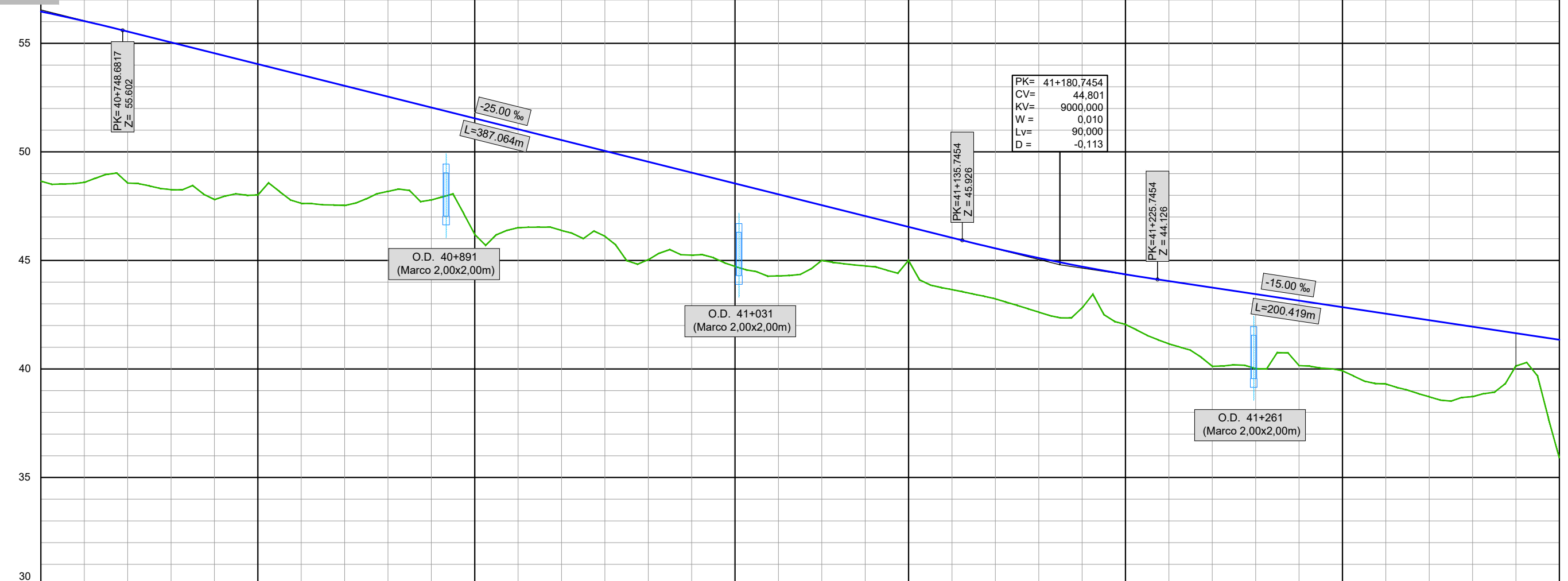
FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO PERFILES LONGITUDINALES

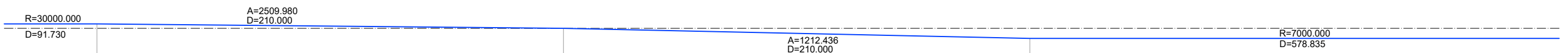
Nº DE PLANO
5
Hoja 61 de 84

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



	P.K. ABSOLUTO	P.K. RELATIVO	ORDENADAS	COTAS ROJAS	DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES	TÉRMINO MUNICIPAL
	40+711	512+600	56.465	7.810	R=30000.000	150	40+752.7189
			56.027	7.432	D=91.730	100	
			55.544	6.980		50	
			55.044	6.784		0	
			54.544	6.741			
	40+811	512+700	54.044	6.031	A=2509.980		
			53.544	5.914	D=210.000		
			53.044	5.515			
			52.544	4.363			
			52.044	4.259			
			51.544	5.346			
			51.044	4.538			
			50.544	4.164			
			50.044	3.932			
			49.544	4.511			
	41+011	512+900	49.044	3.802	A=1212.436		
			48.544	3.823	D=210.000		
			48.044	3.758			
			47.544	2.544			
			47.044	2.297			
			46.544	1.544			
			46.044	2.390			
			45.557	2.324			
			45.113	2.495			
			44.714	1.899			
			44.359	2.310			
	41+211	513+100	44.047	2.890			
			43.747	3.624			
			43.447	3.430			
			43.147	2.991			
			42.847	2.928			
			42.547	3.237			
			42.247	3.528			
			41.947	3.222			
			41.647	1.507			
	41+411	513+300	41.347	5.451			

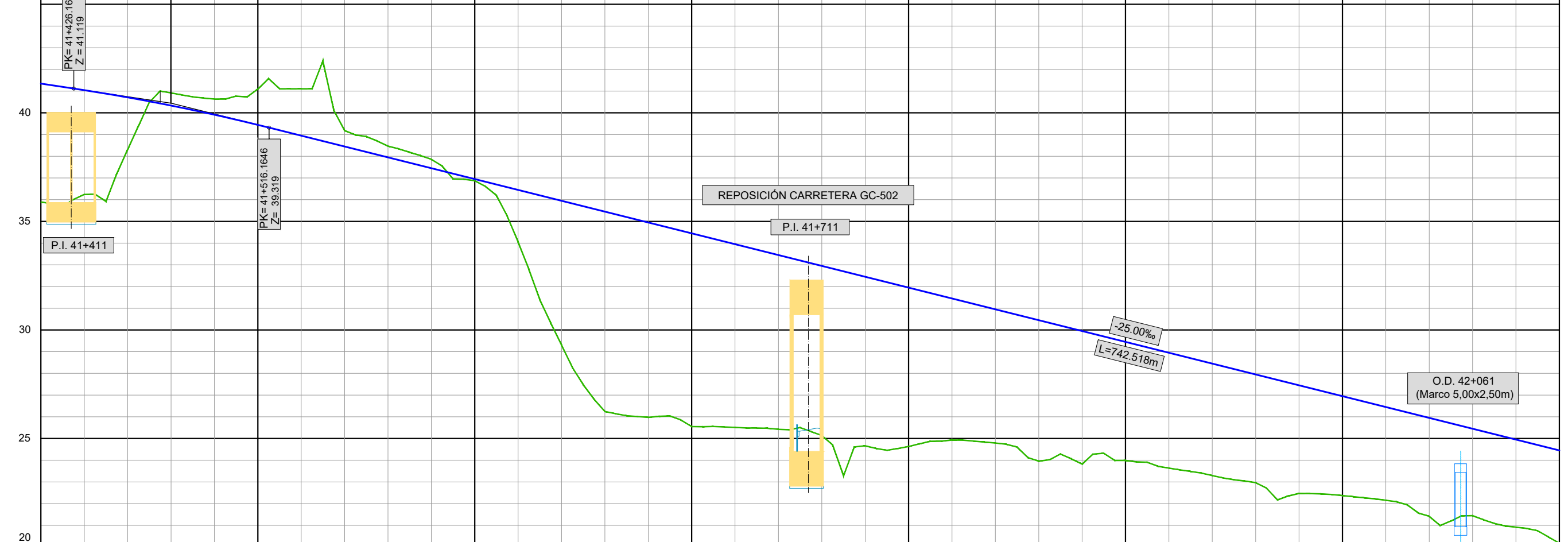


TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

PK= 41+471,1646
 CV= 40,444
 KV= 9000,000
 W = -0,010
 LV= 90,000
 D = 0,113



P.K. ABSOLUTO		P.K. RELATIVO	
41+411	513+300	41+511	513+400
41+611	513+500	41+711	513+600
41+811	513+700	41+911	513+800
42+011	513+900	42+111	514+000

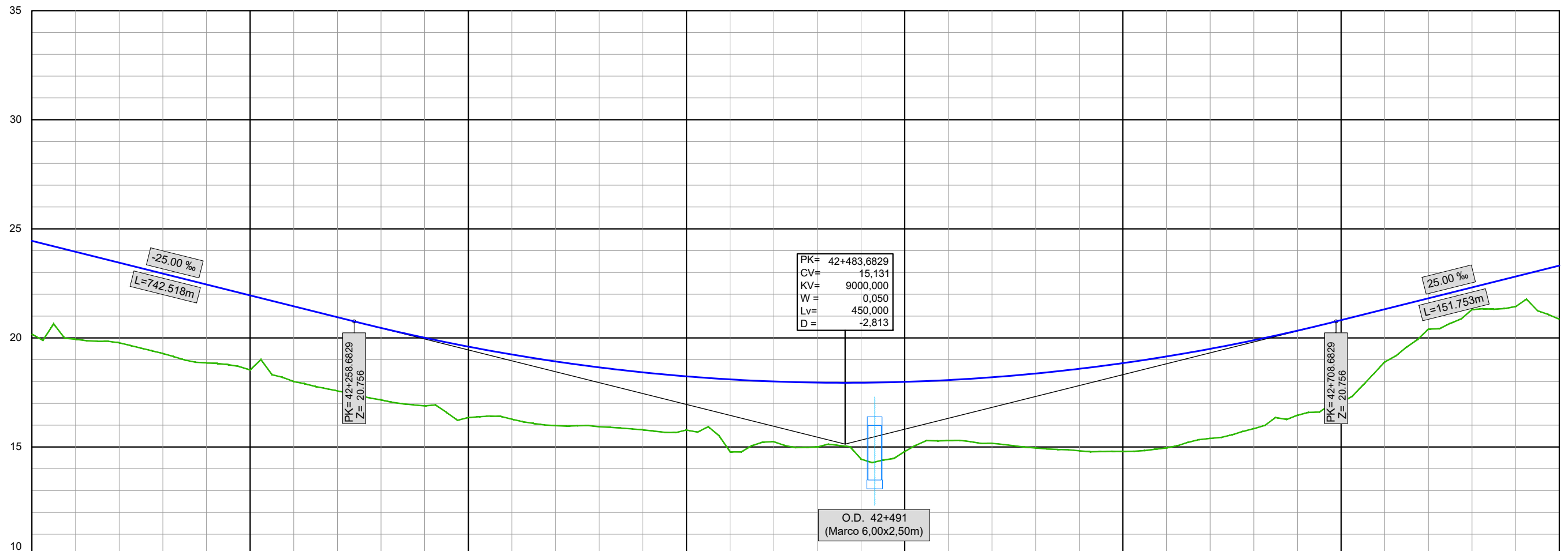
ORDENADAS	COTA DE CABEZA DE CARRIL	TERRENO	DESMONTE	TERRAPLÉN
1	41.347	35.896		5.451
2	41.045	36.241		4.804
3	40.712	38.313		2.399
4	40.335	40.917	0.582	
5	39.913	40.636	0.722	
6	39.447	41.095	1.648	
7	38.948	41.110	2.162	
8	38.448	39.186	0.737	
9	37.948	38.468	0.519	
10	37.448	37.860	0.412	
11	36.948	36.878		0.071
12	36.448	34.051		2.397
13	35.948	29.309		6.639
14	35.448	26.242		9.206
15	34.948	25.972		8.976
16	34.448	25.548		8.900
17	33.948	25.511		8.437
18	33.448	25.421		8.027
19	32.948	25.135		7.814
20	32.448	24.662		7.787
21	31.948	24.631		7.318
22	31.448	24.928		6.520
23	30.948	24.790		6.158
24	30.448	23.954		6.495
25	29.948	23.819		6.129
26	29.448	23.988		5.460
27	28.948	23.636		5.312
28	28.448	23.293		5.155
29	27.948	22.968		4.981
30	27.448	22.470		4.979
31	26.948	22.369		4.579
32	26.448	22.154		4.295
33	25.948	21.418		4.531
34	25.448	21.444		4.005
35	24.948	20.914		4.034
36	24.448	20.175		4.273

DIAGRAMA DE CURVATURAS: R=7000.000, D=578.835; A=1212.436, D=210.000; RECTA L=833.374

DIAGRAMA DE PERALTES: PD:40,00mm

TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO	P.K. RELATIVO
42+111	514+000
42+211	514+100
42+311	514+200
42+411	514+300
42+511	514+400
42+611	514+500
42+711	514+600
42+811	514+700

ORDENADAS	COTA DE CABEZA DE CARRIL	TERRENO
	24.448	20.175
	23.948	19.938
	23.448	19.778
	22.948	19.284
	22.448	18.855
	21.948	18.529
	21.448	17.998
	20.948	17.570
	20.457	17.159
	20.006	16.884
	19.600	16.347
	19.239	16.271
	18.922	15.978
	18.649	15.928
	18.421	15.785
	18.237	15.777
	18.098	14.776
	18.003	15.243
	17.953	15.000
	17.947	14.446
	17.985	14.791
	18.088	15.292
	18.196	15.168
	18.367	14.954
	18.584	14.826
	18.844	14.794
	19.149	14.959
	19.499	15.391
	19.893	15.839
	20.332	16.452
	20.814	17.032
	21.314	18.900
	21.814	20.403
	22.314	21.297
	22.814	21.435
	23.314	20.854

COTAS ROJAS	DESMONTE	TERRAPLÉN
		4.273
		4.010
		3.671
		3.664
		3.594
		3.420
		3.450
		3.378
		3.298
		3.122
		3.253
		2.968
		2.944
		2.722
		2.636
		2.460
		3.322
		2.760
		2.952
		3.500
		3.194
		2.776
		3.027
		3.414
		3.758
		4.050
		4.191
		4.108
		4.054
		3.879
		3.782
		2.414
		1.411
		1.017
		1.379
		2.460

DIAGRAMA DE CURVATURAS	RECTA	L=833.374	A=916.515	D=210.000

DIAGRAMA DE PERALTES	42+794.9369

TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA



TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco **TGC** TRANSPORTES DE GRAN CANARIA

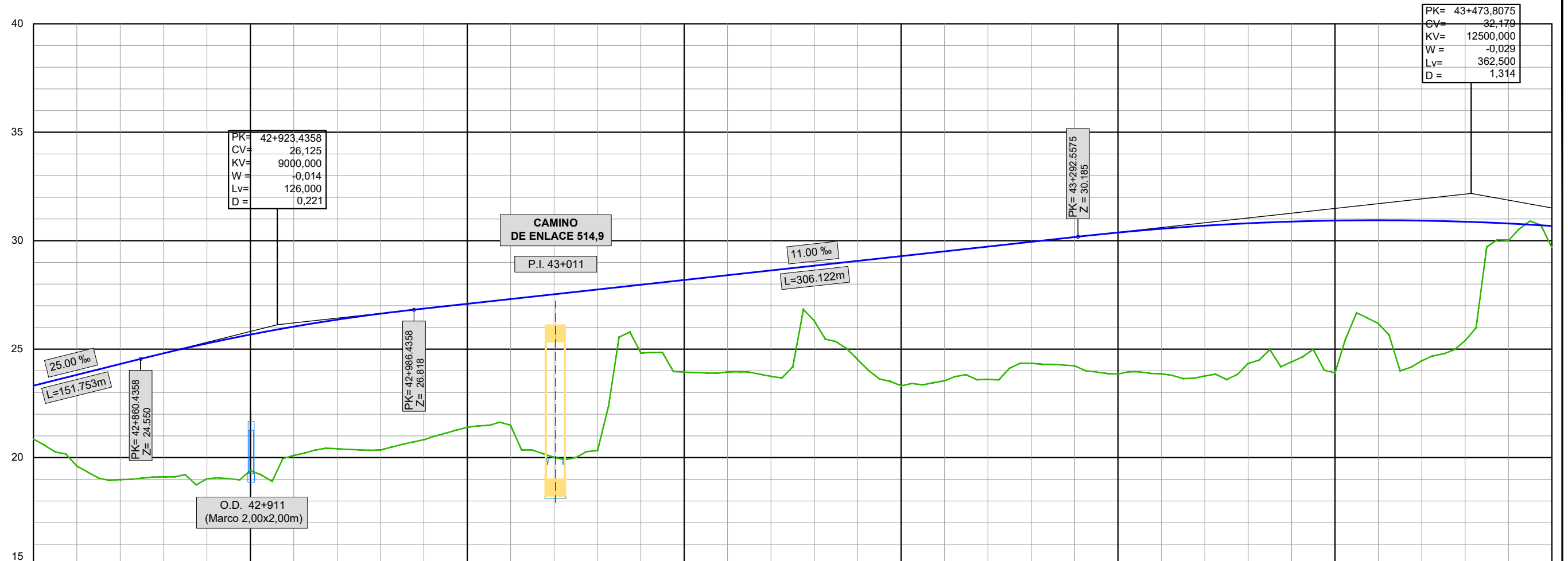
ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:100
Numérica Gráfica

FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO PERFILES LONGITUDINALES

Nº DE PLANO
5
Hoja 64 de 84

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA







P.K. ABSOLUTO		P.K. RELATIVO	
42+811	514+700	42+911	514+800
43+011	514+900	43+111	515+000
43+211	515+100	43+311	515+200
43+411	515+300	43+511	515+400

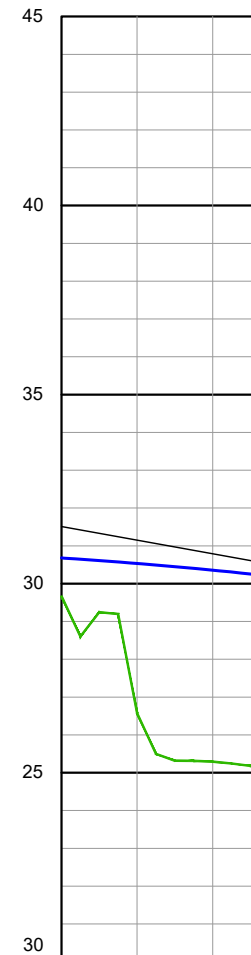
ORDENADAS	COTA DE CABEZA DE CARRIL	TERRENO
23.314	23.314	20.854
23.814	23.814	19.612
24.314	24.314	18.984
24.808	24.808	19.111
25.262	25.262	19.021
25.672	25.672	19.400
26.038	26.038	20.097
26.359	26.359	20.409
26.635	26.635	20.352
26.868	26.868	20.823
27.088	27.088	21.395
27.308	27.308	21.490
27.528	27.528	20.009
27.748	27.748	20.318
27.968	27.968	24.816
28.188	28.188	23.938
28.408	28.408	23.946
28.628	28.628	23.744
28.848	28.848	26.300
29.068	29.068	24.509
29.288	29.288	23.312
29.508	29.508	23.541
29.728	29.728	23.603
29.948	29.948	24.348
30.168	30.168	24.232
30.375	30.375	23.854
30.549	30.549	23.861
30.692	30.692	23.762
30.802	30.802	24.341
30.881	30.881	24.413
30.927	30.927	23.906
30.942	30.942	26.183
30.924	30.924	24.463
30.875	30.875	25.390
30.793	30.793	30.018
30.680	30.680	29.674

COTAS ROJAS	DESMONTE	TERRAPLÉN
2.460		2.460
4.203		4.203
5.330		5.330
5.697		5.697
6.242		6.242
6.272		6.272
5.940		5.940
5.949		5.949
6.283		6.283
6.046		6.046
5.693		5.693
5.818		5.818
7.520		7.520
7.430		7.430
3.152		3.152
4.250		4.250
4.462		4.462
4.884		4.884
2.548		2.548
4.559		4.559
5.976		5.976
5.967		5.967
6.125		6.125
5.600		5.600
5.937		5.937
6.521		6.521
6.688		6.688
6.929		6.929
6.461		6.461
6.468		6.468
7.021		7.021
4.759		4.759
6.461		6.461
5.485		5.485
0.775		0.775
1.006		1.006

DIAGRAMA DE CURVATURAS	DIAGRAMA DE PERALTES
A=916.515 D=210.000	33+004.9375 PI:25.00mm
R=4000.000 D=556.557	43+004.9375

TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		43+511	43+561.70
P.K. RELATIVO		515+450.540	515+450.54
ORDENADAS	COTA DE CABEZA DE CARRIL	30.680	30.534
	TERRENO	29.674	26.572
COTAS ROJAS	DESMONTE		
	TERRAPLÉN	1.006	3.962
DIAGRAMA DE CURVATURAS		R=4000.000 D=556.557	
DIAGRAMA DE PERALTES		Pl:25.00mm	
TÉRMINO MUNICIPAL		TÉRMINO MUNICIPAL DE S. BARTOLOMÉ DE TIRAJANA	

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA

FIN TRAMO 5 - INICIO TRAMO 6

TRAMO 5 TRAMO 6

PK Relativo 515+450,539 / 600+000,000

PK Absoluto 43+561,577

X: 451562,676

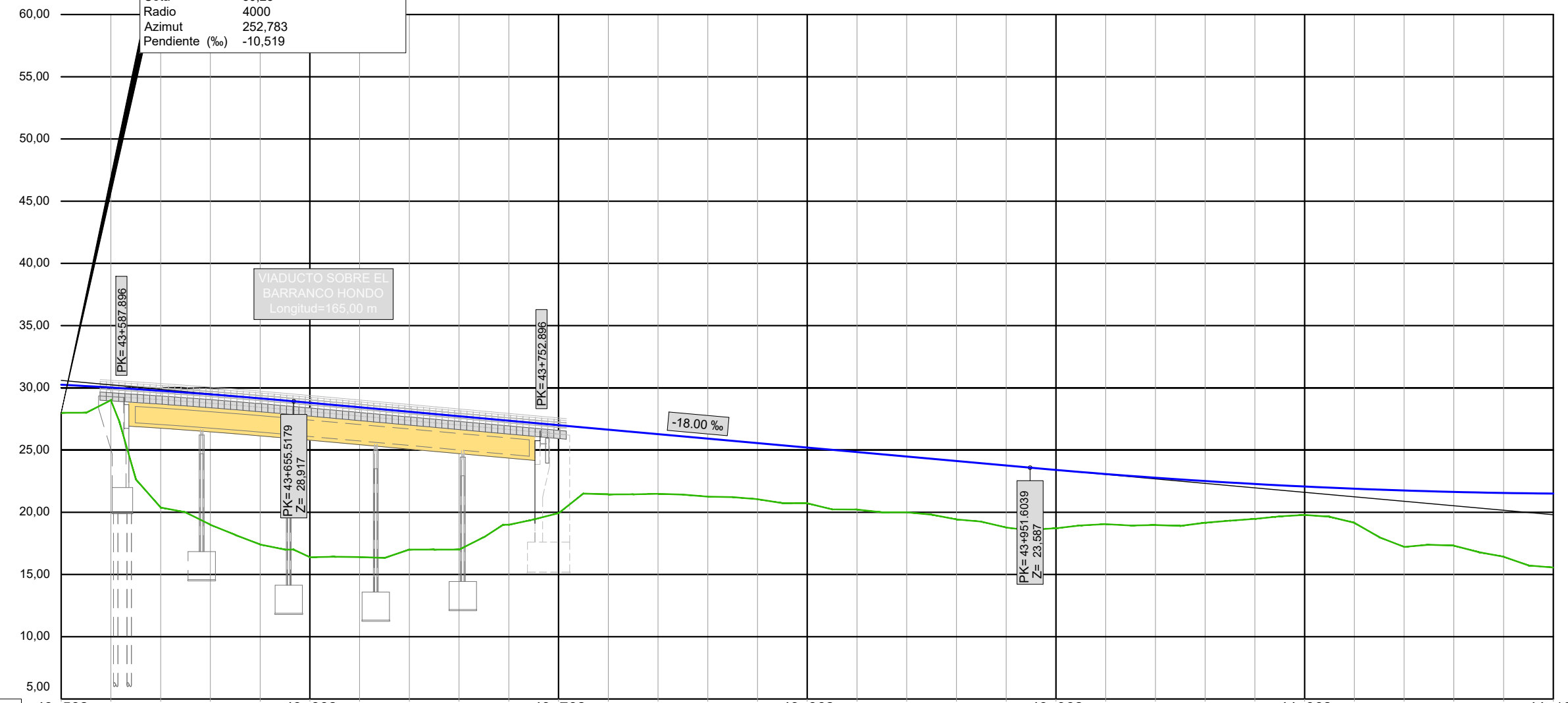
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Cota 30,25

Radio 4000

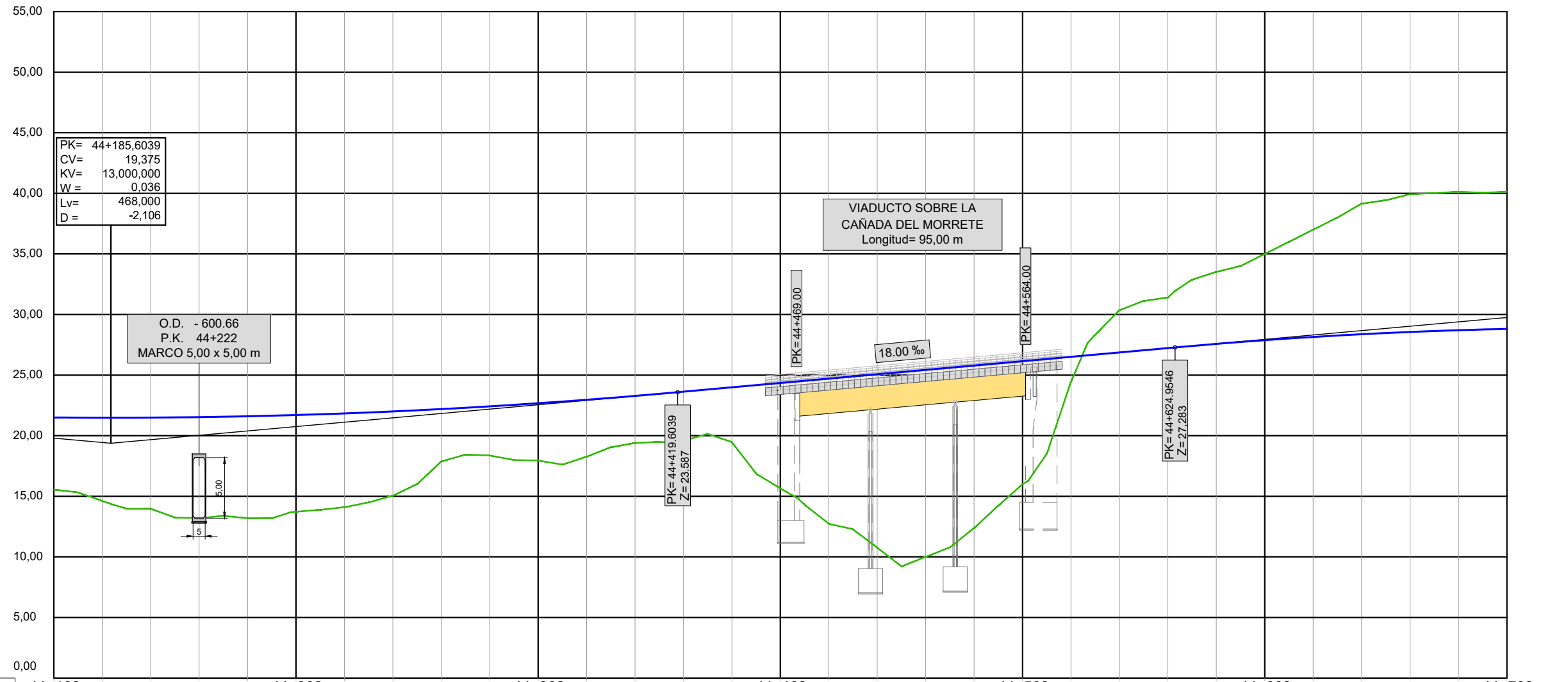
Azimut 252,783

Pendiente (%) -10,519



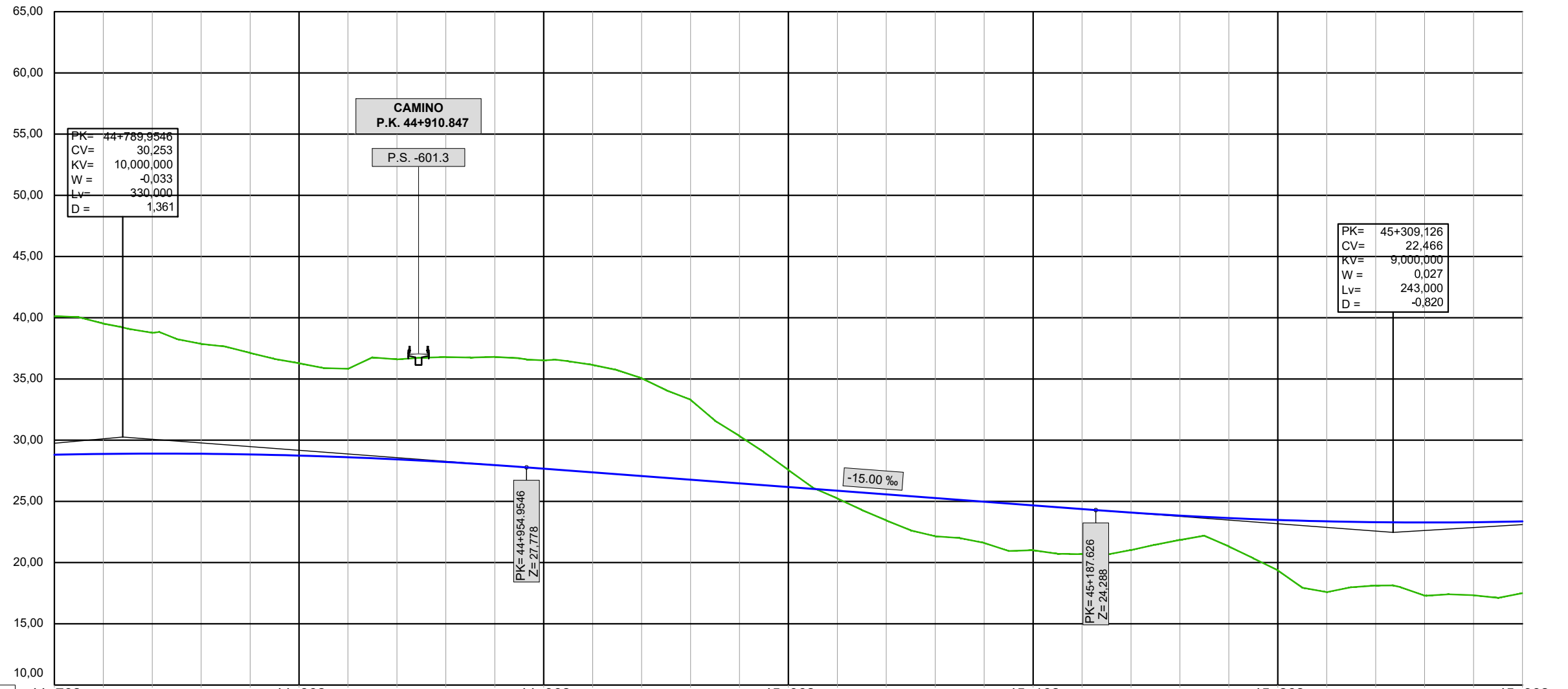
P.K. ABSOLUTO		43+562	43+662	43+762	43+862	43+962	44+062	44+162																										
P.K. RELATIVO		600+000	600+100	600+200	600+300	600+400	600+500	600+600																										
DISTANCIAS	AL ORIGEN	0,000	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000	260,000	280,000	300,000	320,000	340,000	360,000	380,000	400,000	420,000	440,000	460,000	480,000	500,000	520,000	540,000	560,000	580,000	600,000		
	PARCIALES	0,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
ORDENADAS	COTA CARRIL (HILO BAJO)	30,250	30,024	29,765	29,475	29,153	28,800	28,440	28,080	27,720	27,360	27,000	26,640	26,280	25,920	25,560	25,200	24,840	24,480	24,120	23,760	23,404	23,076	22,778	22,511	22,274	22,069	21,894	21,750	21,637	21,554	21,503		
	TERRENO	28,000	29,000	20,385	19,000	17,410	16,389	16,399	17,000	17,000	19,000	19,925	21,438	21,484	21,256	21,053	20,727	20,219	20,000	19,425	18,775	18,715	19,044	18,973	19,161	19,471	19,787	19,159	17,218	17,317	16,431	15,558		
COTAS ROMAS	DESMONTE	2,25	1,02	9,38	10,48	11,74	12,41	12,04	11,08	10,72	8,36	7,08	5,20	4,80	4,66	4,51	4,47	4,62	4,48	4,70	4,99	4,69	4,03	3,80	3,35	2,80	2,28	2,73	4,53	4,32	5,12	5,94		
	TERRAPLEN																																	
ACUERDOS VERTICALES				R=4.000		A=917						RECTA		A=597																				
DIAGRAMA DE CURVATURAS																																		
DIAGRAMA DE PERALTES		HILO DERECHO		h=20mm		43+739.795		43+949.7946		44+050.0472		h=0mm																						

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		44+162																				44+262																				44+362																				44+462																				44+562																				44+662																				44+762																																																											
P.K. RELATIVO		600+600																				600+700																				600+800																				600+900																				601+000																				601+100																				601+200																																																											
DISTANCIAS	AL ORIGEN	600,000	620,000	640,000	660,000	680,000	700,000	720,000	740,000	760,000	780,000	800,000	820,000	840,000	860,000	880,000	900,000	920,000	940,000	960,000	980,000	0,000	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000																																																																																																																																																					
	PARCIALES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000																																																																																																																																																				
ORDENADAS	COTA CARRIL (HILO BAJO)	-21,503	-21,482	-21,481	-21,532	-21,603	-21,706	-21,839	-22,002	-22,197	-22,422	-22,678	-22,965	-23,282	-23,630	-23,990	-24,350	-24,710	-25,070	-25,430	-25,790	-26,150	-26,510	-26,870	-27,230	-27,576	-27,882	-28,148	-28,373	-28,559	-28,705	-28,811																																																																																																																																																					
	TERRENO	15,558	14,612	13,974	13,191	13,186	13,723	14,098	15,055	17,872	18,372	17,948	18,268	19,400	19,587	19,469	15,648	12,729	10,761	10,000	12,376	15,992	24,445	30,354	41,17	53,515	71,2	85,37	98,151	113,7	114,3																																																																																																																																																						
COTAS ROMAS	DESMONTE	-5,94	-6,87	-7,52	-8,34	-8,42	-7,98	-7,74	-6,95	-4,32	-4,05	-4,73	-4,70	-3,88	-4,419,6039	-4,52	-8,70	-11,98	-14,31	-15,43	-13,41	-10,16	-2,07	-3,48	-4,17	-5,94	-7,12	-8,85	-10,78	-11,37	-11,43																																																																																																																																																						
	TERRAPLEN	-5,94	-6,87	-7,52	-8,34	-8,42	-7,98	-7,74	-6,95	-4,32	-4,05	-4,73	-4,70	-3,88	-4,419,6039	-4,52	-8,70	-11,98	-14,31	-15,43	-13,41	-10,16	-2,07	-3,48	-4,17	-5,94	-7,12	-8,85	-10,78	-11,37	-11,43																																																																																																																																																						
ACUERDOS VERTICALES		A=597																				R=1.700																																																																																																																																																															
DIAGRAMA DE CURVATURAS																																																																																																																																																																																					
DIAGRAMA DE PERALTES		HILO DERECHO																				44+260.0472																				h=100mm																																																																																																																																											

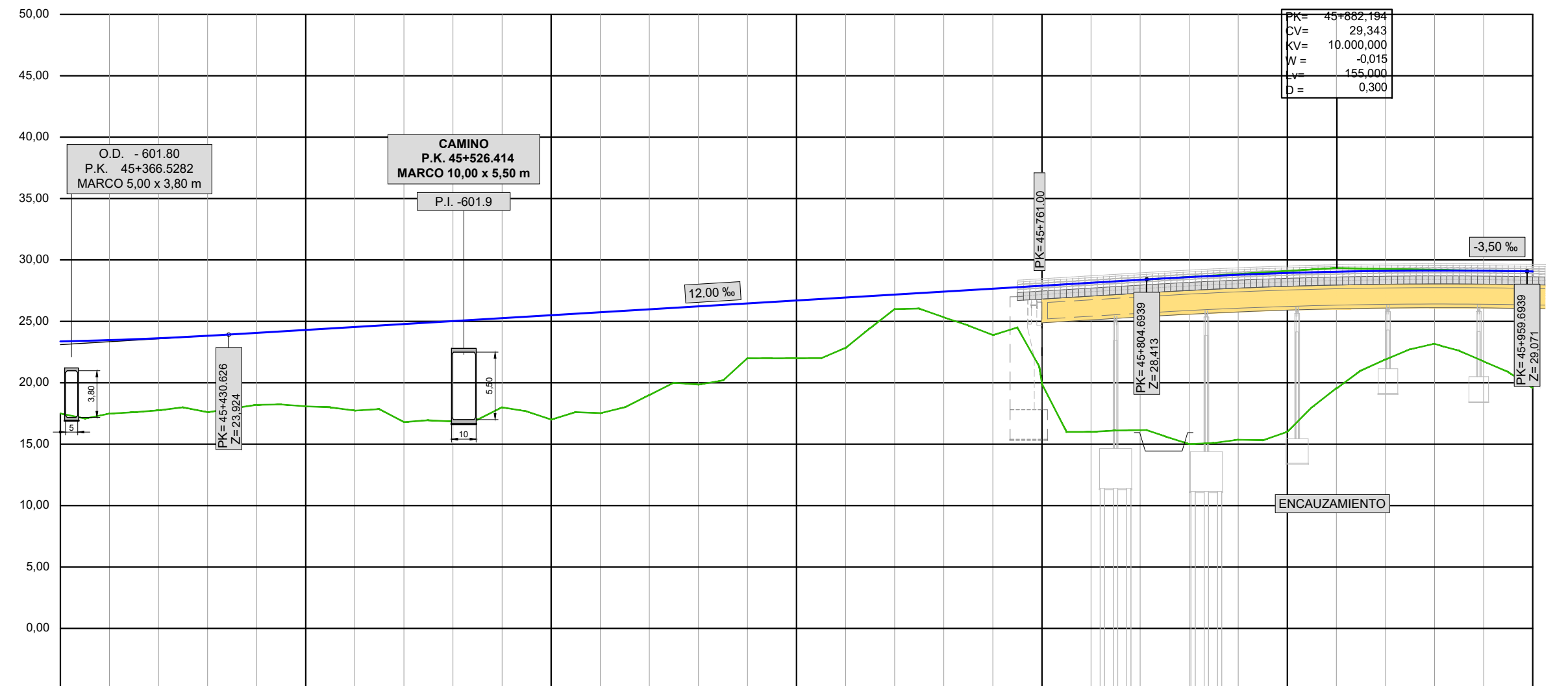
LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		44+762		44+862		44+962		45+062		45+162		45+262		45+362																							
P.K. RELATIVO		601+200		601+300		601+400		601+500		601+600		601+700		601+800																							
DISTANCIAS	AL ORIGEN	-200,000	-220,000	-240,000	-260,000	-280,000	-300,000	-320,000	-340,000	-360,000	-380,000	-400,000	-420,000	-440,000	-460,000	-480,000	-500,000	-520,000	-540,000	-560,000	-580,000	-600,000	-620,000	-640,000	-660,000	-680,000	-700,000	-720,000	-740,000	-760,000	-780,000	-800,000					
	PARCIALES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	
ORDENADAS	COTA CARRIL (HILO BAJO)	-28,811	-28,877	-28,903	-28,889	-28,835	-28,741	-28,607	-28,433	-28,218	-27,964	-27,673	-27,373	-27,073	-26,773	-26,473	-26,173	-25,873	-25,573	-25,273	-24,973	-24,673	-24,373	-24,084	-23,838	-23,637	-23,480	-23,368	-23,300	-23,276	-23,287	-23,362					
	TERRENO	-11,33	-10,65	-9,87	-8,98	-8,29	-7,54	-7,23	-8,17	-8,57	-8,83	-8,84	-8,78	-7,99	-6,53	-3,87	-1,39	-0,63	2,13	3,12	3,36	3,66	3,69	3,06	-1,99	2,32	-4,11	-5,78	-5,17	-5,98	-5,96	-5,86					
COTAS ROMAS	DESMONTE	-11,33	-10,65	-9,87	-8,98	-8,29	-7,54	-7,23	-8,17	-8,57	-8,83	-8,84	-8,78	-7,99	-6,53	-3,87	-1,39	-0,63	2,13	3,12	3,36	3,66	3,69	3,06	-1,99	2,32	-4,11	-5,78	-5,17	-5,98	-5,96	-5,86					
	TERRAPLEN	-11,33	-10,65	-9,87	-8,98	-8,29	-7,54	-7,23	-8,17	-8,57	-8,83	-8,84	-8,78	-7,99	-6,53	-3,87	-1,39	-0,63	2,13	3,12	3,36	3,66	3,69	3,06	-1,99	2,32	-4,11	-5,78	-5,17	-5,98	-5,96	-5,86					
ACUERDOS VERTICALES		R=1.700		A=597		RECTA																															
DIAGRAMA DE CURVATURAS																																					
DIAGRAMA DE PERALTES		HILO DERECHO		h=100mm		44+966.9049		45+176.9049		h=0mm																											
		IZQUIERDO																																			

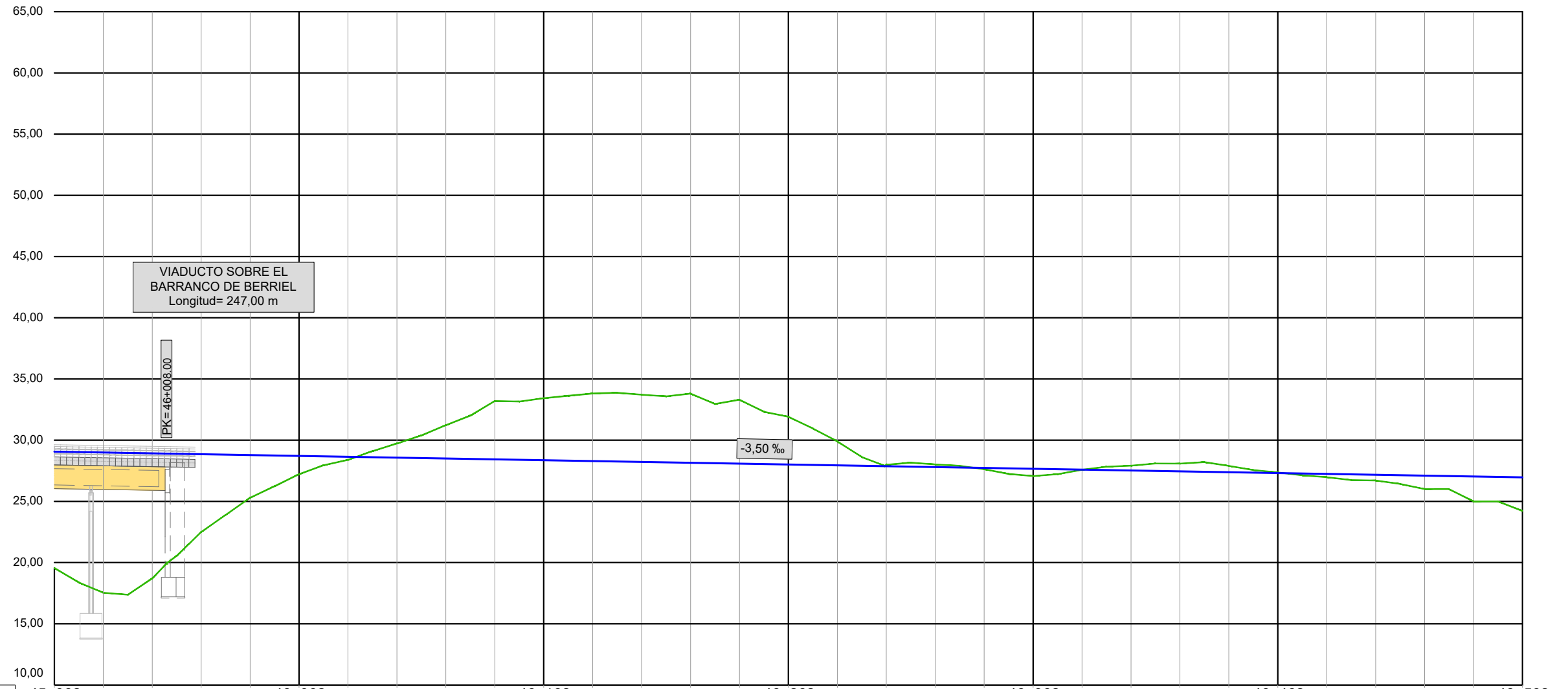
LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

VIADUCTO SOBRE EL BARRANCO DE BERRIEL
Longitud= 247,00 m



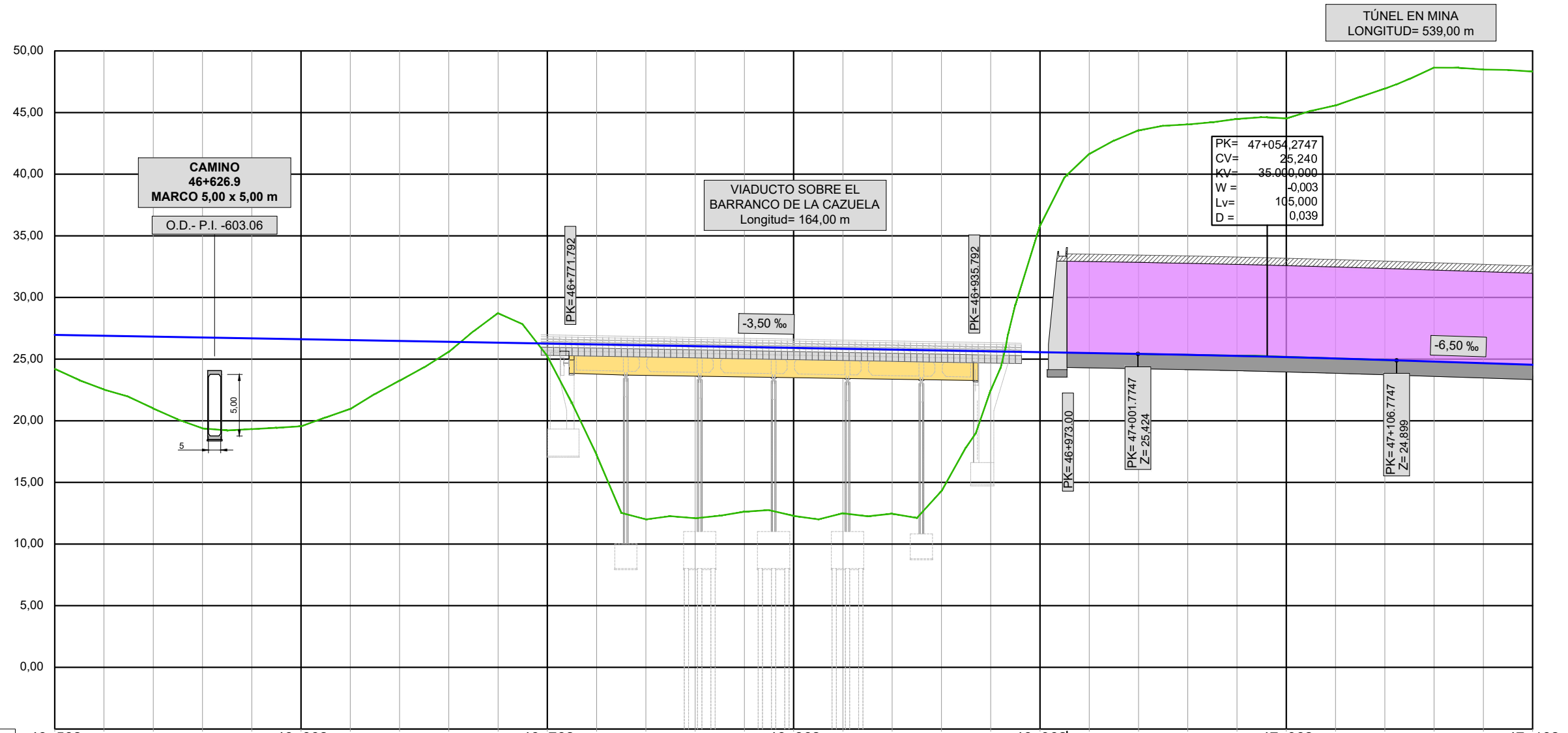
P.K. ABSOLUTO		45+362		45+462		45+562		45+662		45+762		45+862		45+962																			
P.K. RELATIVO		601+800		601+900		602+000		602+100		602+200		602+300		602+400																			
DISTANCIAS	AL ORIGEN	0,000	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000	260,000	280,000	300,000	320,000	340,000	360,000	380,000	400,000											
	PARCIALES	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000	260,000	280,000	300,000	320,000	340,000	360,000	380,000	400,000												
ORDENADAS	COTA CARRIL (HILO BAJO)	23,362	23,472	23,626	23,824	24,060	24,300	24,540	24,780	25,020	25,260	25,500	25,740	25,980	26,220	26,460	26,700	26,940	27,180	27,420	27,660	27,900	28,140	28,380	28,605	28,791	28,936	29,042	29,107	29,132	29,118	29,063	
	TERRENO	17,502	17,484	17,754	17,600	18,202	18,081	17,731	16,796	16,837	18,000	17,000	17,518	19,000	19,850	22,000	22,000	22,841	26,000	25,330	23,885	19,913	16,000	16,140	16,140	15,000	15,362	16,000	19,552	21,900	23,175	21,739	19,561
COTAS ROMAS	DESMONTE	5,86	5,99	5,87	6,22	5,86	6,22	6,81	7,98	8,18	7,26	8,50	8,22	6,98	6,37	4,46	4,70	4,10	1,18	2,09	3,78	7,99	12,14	16,000	16,140	15,000	15,362	16,000	19,552	21,900	23,175	21,739	19,561
	TERRAPLEN	5,86	5,99	5,87	6,22	5,86	6,22	6,81	7,98	8,18	7,26	8,50	8,22	6,98	6,37	4,46	4,70	4,10	1,18	2,09	3,78	7,99	12,14	16,000	16,140	15,000	15,362	16,000	19,552	21,900	23,175	21,739	19,561
ACUERDOS VERTICALES				45+430.626 23,824																				45+804.6939 28,413								45+959.6939 29,071	
DIAGRAMA DE CURVATURAS		RECTA																															
DIAGRAMA DE PERALTES	HILO DERECHO	h=0mm																															
	IZQUIERDO	h=0mm																															

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		45+962	46+062				46+162				46+262				46+362				46+462				46+562												
P.K. RELATIVO		602+400	602+500				602+600				602+700				602+800				602+900				603+000												
DISTANCIAS	AL ORIGEN	400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000	900.000	920.000	940.000	960.000	980.000	0.000			
	PARCIALES	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000		
ORDENADAS	COTA CARRIL (HILO BAJO)	29,063	28,983	28,923	28,853	28,783	28,713	28,643	28,573	28,503	28,433	28,363	28,293	28,223	28,153	28,083	28,013	27,943	27,873	27,803	27,733	27,663	27,593	27,523	27,453	27,383	27,313	27,243	27,173	27,103	27,033	26,963			
	TERRENO	19,561	17,533	18,707	22,494	25,294	27,223	28,389	29,726	31,224	33,196	33,428	33,812	33,713	33,801	33,306	31,912	29,901	27,987	28,017	27,627	27,069	27,579	27,913	28,083	27,896	27,366	26,973	26,706	26,000	25,000	24,217			
COTAS ROMAS	DESMONTE	9.50	11.46	10.22	6.36	3.49	1.49	0.25	1.15	2.72	4.76	5.06	5.52	5.49	5.65	5.22	3.90	1.96	0.11	0.21	0.11	0.59	0.01	0.39	0.63	0.51	0.05	0.27	0.47	1.10	2.03				
	TERRAPLEN																																		
ACUERDOS VERTICALES		RECTA																																	
DIAGRAMA DE CURVATURAS		<div style="display: flex; justify-content: space-between;"> <div>A=648 46+091.4073</div> <div>R=2.000 46+301.4073</div> </div>																																	
DIAGRAMA DE PERALTES	HILO DERECHO	h=0mm																																	
	IZQUIERDO	h=100mm																																	

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		46+562	46+662	46+762	46+862	46+962	47+062	47+162																											
P.K. RELATIVO		603+000	603+100	603+200	603+300	603+400	603+500	603+600																											
DISTANCIAS	AL ORIGEN	0,000	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000	260,000	280,000	300,000	320,000	340,000	360,000	380,000	400,000	420,000	440,000	460,000	480,000	500,000	520,000	540,000	560,000	580,000	600,000			
	PARCIALES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	
ORDENADAS	COTA CARRIL (HILO BAJO)	24,217	26,983	26,883	26,823	26,753	26,683	26,613	26,543	26,473	26,403	26,333	26,263	26,193	26,123	26,053	25,983	25,913	25,843	25,773	25,703	25,633	25,563	25,493	25,423	25,348	25,260	25,162	25,051	24,930	24,800	24,670	24,540		
	TERRENO	24,217	22,532	21,000	19,382	19,324	19,554	20,959	23,252	25,591	28,240	30,986	33,822	36,745	39,754	42,846	46,020	49,275	52,710	56,324	60,116	64,094	68,256	72,602	77,132	81,845	86,741	91,819	97,080	102,624	108,451	114,561	120,954	127,631	
COTAS ROMAS	DESMONTE	-2,75	-4,36	-5,82	-7,37	-7,36	-7,06	-5,58	-3,22	-0,81	2,40	8,96	14,12	18,96	23,48	27,67	31,53	35,06	38,26	41,12	43,64	45,82	47,66	49,16	50,32	51,14	51,62	51,76	51,56	51,02	50,14	48,92	47,36		
	TERRAPLEN	-2,75	-4,36	-5,82	-7,37	-7,36	-7,06	-5,58	-3,22	-0,81	2,40	8,96	14,12	18,96	23,48	27,67	31,53	35,06	38,26	41,12	43,64	45,82	47,66	49,16	50,32	51,14	51,62	51,76	51,56	51,02	50,14	48,92	47,36		
ACUERDOS VERTICALES																																			
DIAGRAMA DE CURVATURAS																																			
DIAGRAMA DE PERALTES																																			

R=2.000
h=100mm



VICEPRESIDENCIA
CONSEJERÍA DE
OBRAS PÚBLICAS,
INFRAESTRUCTURAS,
TRANSPORTES
Y MOVILIDAD

TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco **TGC** TRANSPORTES DE GRAN CANARIA

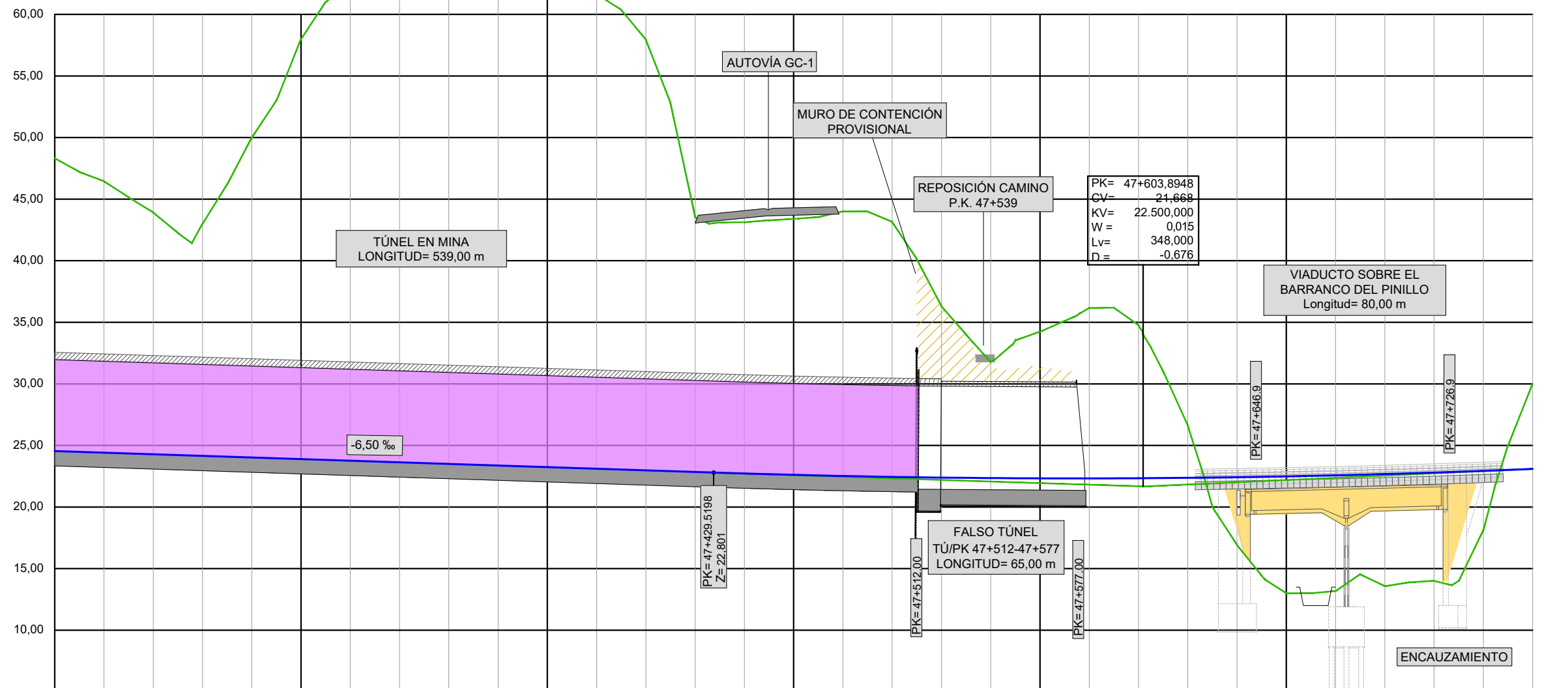
ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:200
Numérica Gráfica

FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO PERFILES LONGITUDINALES

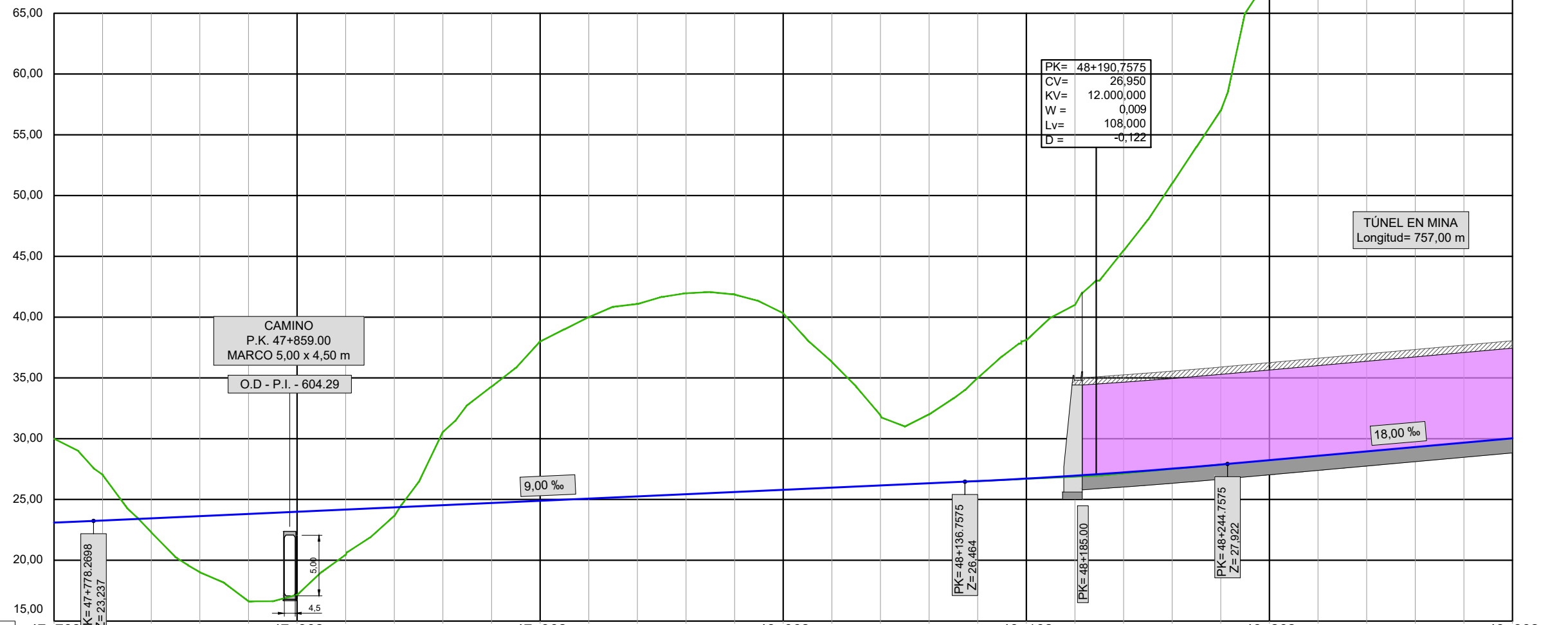
Nº DE PLANO
5
Hoja 72 de 84

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		47+162		47+262		47+362		47+462		47+562		47+662		47+762	
P.K. RELATIVO		603+600		603+700		603+800		603+900		604+000		604+100		604+200	
DISTANCIAS	AL ORIGEN	600,000	620,000	640,000	660,000	680,000	700,000	720,000	740,000	760,000	780,000	800,000	820,000	840,000	860,000
	PARCIALES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
ORDENADAS	COTA CARRIL (HILO BAJO)	24,540	24,410	24,280	24,150	24,020	23,890	23,760	23,630	23,500	23,370	23,240	23,110	22,980	22,850
	TERRENO	23,78	22,04	19,64	18,85	25,98	34,11	38,87	39,91	40,42	39,99	39,77	38,54	34,97	20,69
COTAS ROMAS	DESMONTE	48,324	46,451	43,918	43,000	50,000	58,000	62,625	63,537	63,922	63,361	63,009	61,649	57,946	43,638
	TERRAPLEN	23,78	22,04	19,64	18,85	25,98	34,11	38,87	39,91	40,42	39,99	39,77	38,54	34,97	20,69
ACUERDOS VERTICALES		<p>47+429,5198 Z=22,801</p> <p>47+512,00</p> <p>47+577,00</p>													
DIAGRAMA DE CURVATURAS		<p>RECTA</p> <p>A=648</p> <p>R=2.000</p> <p>47+217.5965</p> <p>47+427.5965</p> <p>47+607.1153</p>													
DIAGRAMA DE PERALTES		<p>HILO DERECHO</p> <p>h=100mm</p> <p>h=0mm</p> <p>IZQUIERDO</p>													

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		P.K. RELATIVO	
DISTANCIAS	AL ORIGEN	604+200	604+800
	PARCIALES	20,000	20,000
ORDENADAS	COTA CARRIL (HILO BAJO)	23,097	30,032
	TERRENO	30,006	82,357
COTAS ROMAS	DESMONTE	-6,91	-52,32
	TERRAPLEN	23,097	30,032
ACUERDOS VERTICALES			
DIAGRAMA DE CURVATURAS			
A=648 R=2.000			
47+817.1153			
h=100mm			
DIAGRAMA DE PERALTES			
HILO DERECHO	---		
IZQUIERDO	---		

PK= 48+190,7575
 CV= 26,950
 KV= 12.000,000
 W= 0,009
 LV= 108,000
 D= -0,122

TÚNEL EN MINA
 Longitud= 757,00 m

CAMINO
 P.K. 47+859.00
 MARCO 5,00 x 4,50 m
 O.D - P.I. - 604.29

9,00 ‰

18,00 ‰

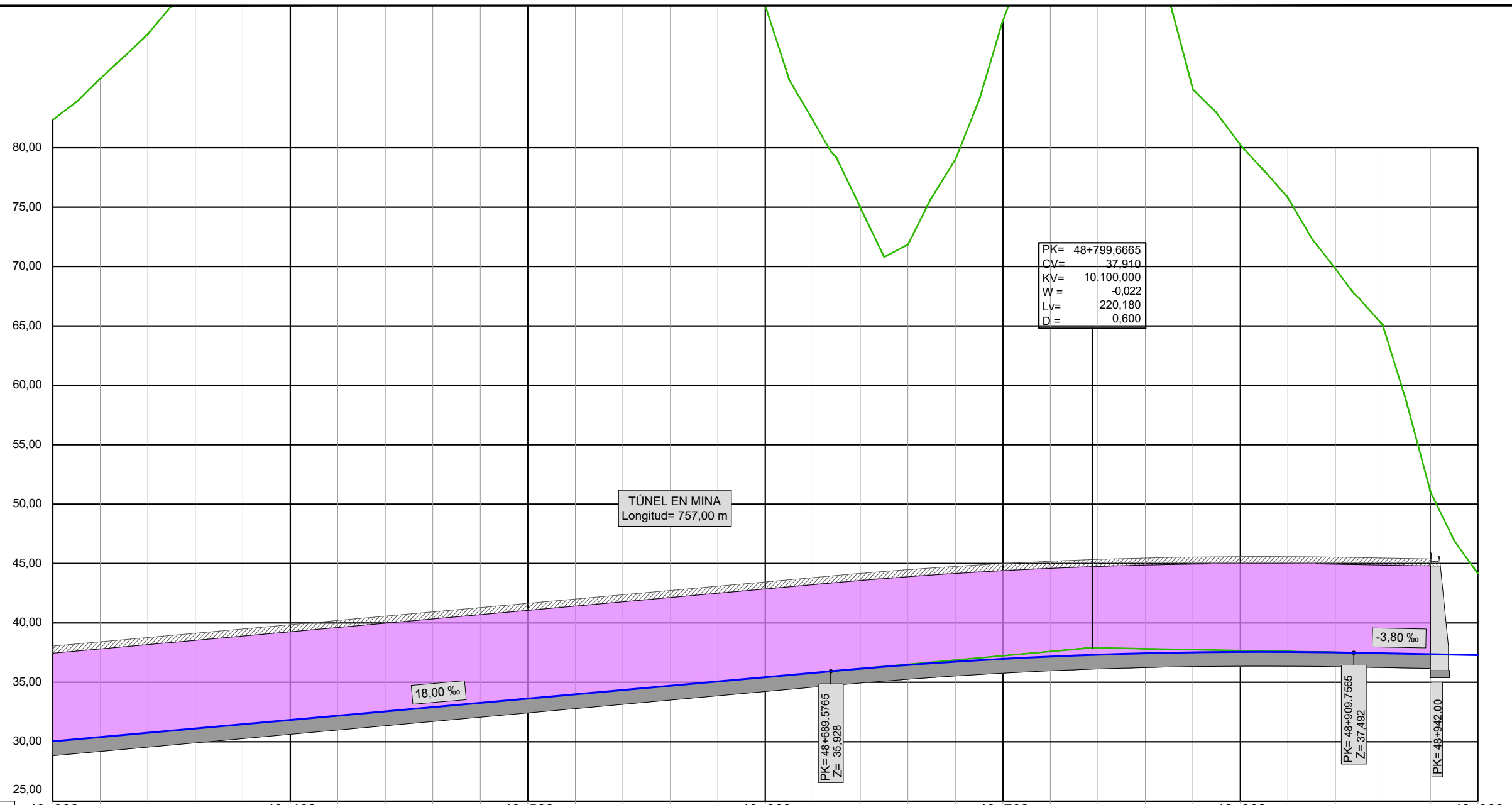
PK= 48+136,7575
 Z= 26,464

PK= 48+185,00

PK= 48+244,7575
 Z= 27,922

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K. ABSOLUTO		48+362		48+462		48+562		48+662		48+762		48+862		48+962	
P.K. RELATIVO		604+800		604+900		605+000		605+100		605+200		605+300		605+400	
DISTANCIAS	AL ORIGEN	-800,000	-820,000	-840,000	-860,000	-880,000	-900,000	-920,000	-940,000	-960,000	-980,000	-1000,000	-1020,000	-1040,000	-1060,000
	PARCIALES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
ORDENADAS	COTA CARRIL (HILO BAJO)	-30,032	-30,392	-30,752	-31,112	-31,472	-31,832	-32,192	-32,552	-32,912	-33,272	-33,632	-33,992	-34,352	-34,712
	TERRENO	52,32	55,42	58,78	63,16	66,87	68,17	67,81	68,07	67,72	67,69	67,47	67,34	67,08	66,52
COTAS ROMAS	DESMONTE	82,357	85,810	89,546	94,270	98,338	100,000	100,000	100,630	101,236	101,960	101,102	101,328	101,429	101,236
	TERRAPLEN	-30,032	-30,392	-30,752	-31,112	-31,472	-31,832	-32,192	-32,552	-32,912	-33,272	-33,632	-33,992	-34,352	-34,712
ACUERDOS VERTICALES		R=2.000		A=648		RECTA									
DIAGRAMA DE CURVATURAS		48+415.3558		48+625.3558											
DIAGRAMA DE PERALTES	HILO DERECHO	h=100mm													
	IZQUIERDO	h=0mm													



VICEPRESIDENCIA
CONSEJERÍA DE
OBRAS PÚBLICAS,
INFRAESTRUCTURAS,
TRANSPORTES
Y MOVILIDAD

TÍTULO
TRAMITACIÓN AMBIENTAL DE LA INFRAESTRUCTURA FERROVIARIA ENTRE LAS PALMAS DE GRAN CANARIA Y MASPALOMAS Y ELEMENTOS ASOCIADOS. FASE B

AUTOR
ineco TGC TRANSPORTES DE GRAN CANARIA

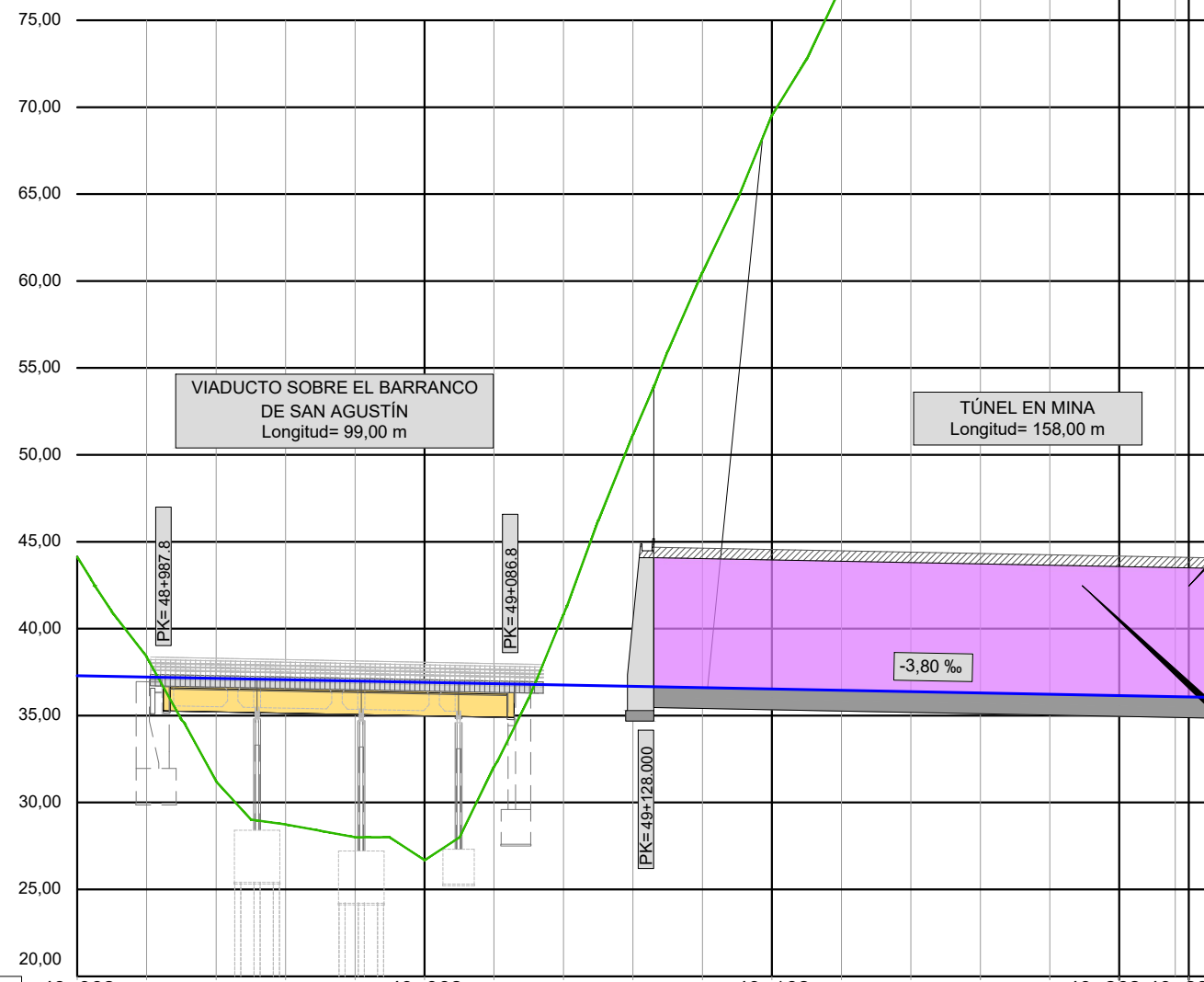
ESCALA ORIGINAL EN UNE A-3
EH 1:1000
EV 1:200
Numérica Gráfica

FECHA
JULIO 2022

TÍTULO DEL PLANO
TRAZADO
PERFILES LONGITUDINALES

Nº DE PLANO
5
Hoja 75 de 84

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

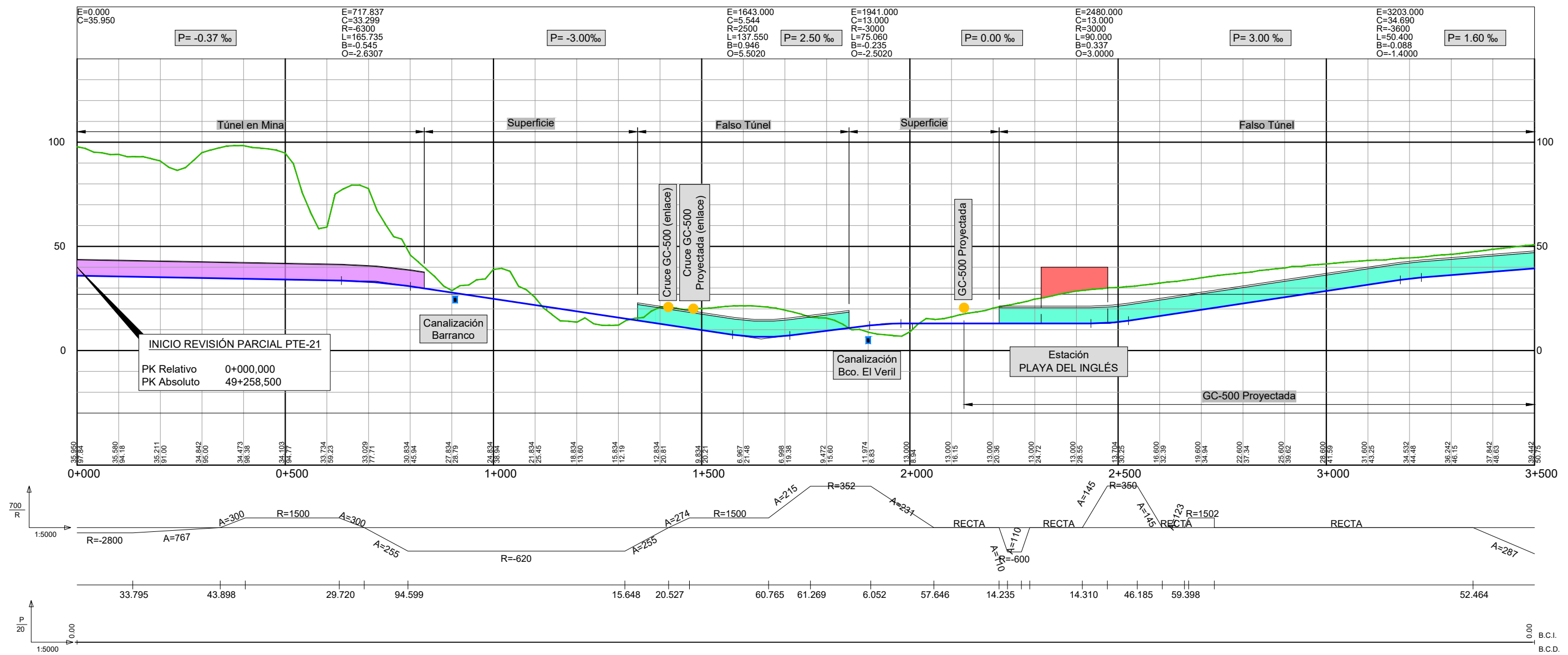


FIN TRAMO 6	
PK Relativo	605+724,450
PK Absoluto	49+286,145
X:	446397,862
Y:	3072540,917
Cota	36,0602
Radio	2800
Azimut	278,4312
Pendiente (‰)	-3,8

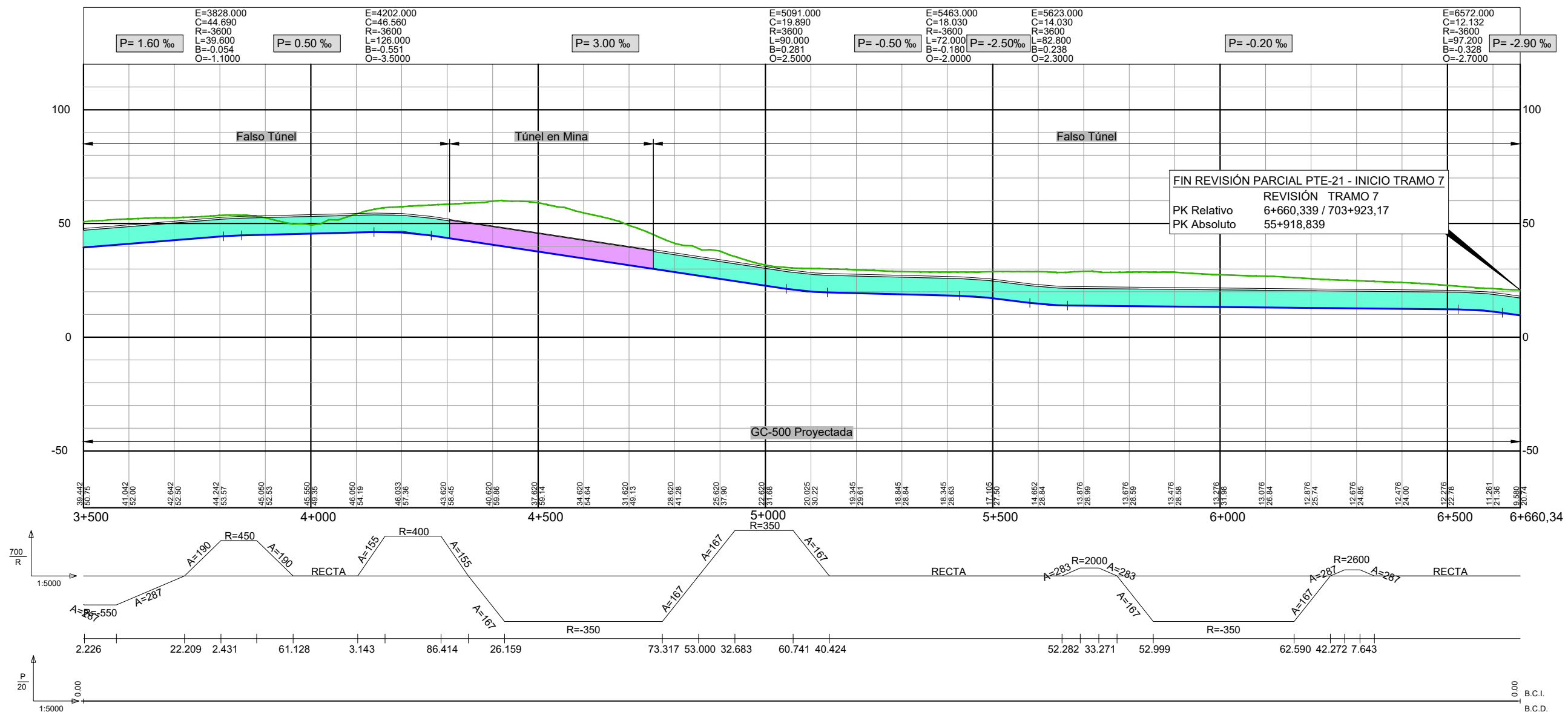
INICIO REVISIÓN PARCIAL PTE-21	
PK Relativo	0+000,000
PK Absoluto	49+258,500

P.K. ABSOLUTO		48+962	49+062	49+162	49+262	49+286.145
P.K. RELATIVO		605+400	605+500	605+600	605+700	605+724.45
DISTANCIAS	AL ORIGEN	400.000	420.000	440.000	460.000	480.000
	PARCIALES	20.000	20.000	20.000	20.000	20.000
ORDENADAS	COTA CARRIL (HILO BAJO)	37,293	37,217	37,141	37,065	36,989
	TERRENO	44,147	38,391	31,220	28,739	28,000
COTAS ROMAS	DESMONTE	6,85	1,17	5,92	8,33	8,99
	TERRAPLEN					
ACUERDOS VERTICALES						
DIAGRAMA DE CURVATURAS						
RECTA						
A=767 49+046.5395						
R=2.800 49+256.5395						
DIAGRAMA DE PERALTES						
HILO DERECHO						
IZQUIERDO						
h=0mm						
h=40mm						

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

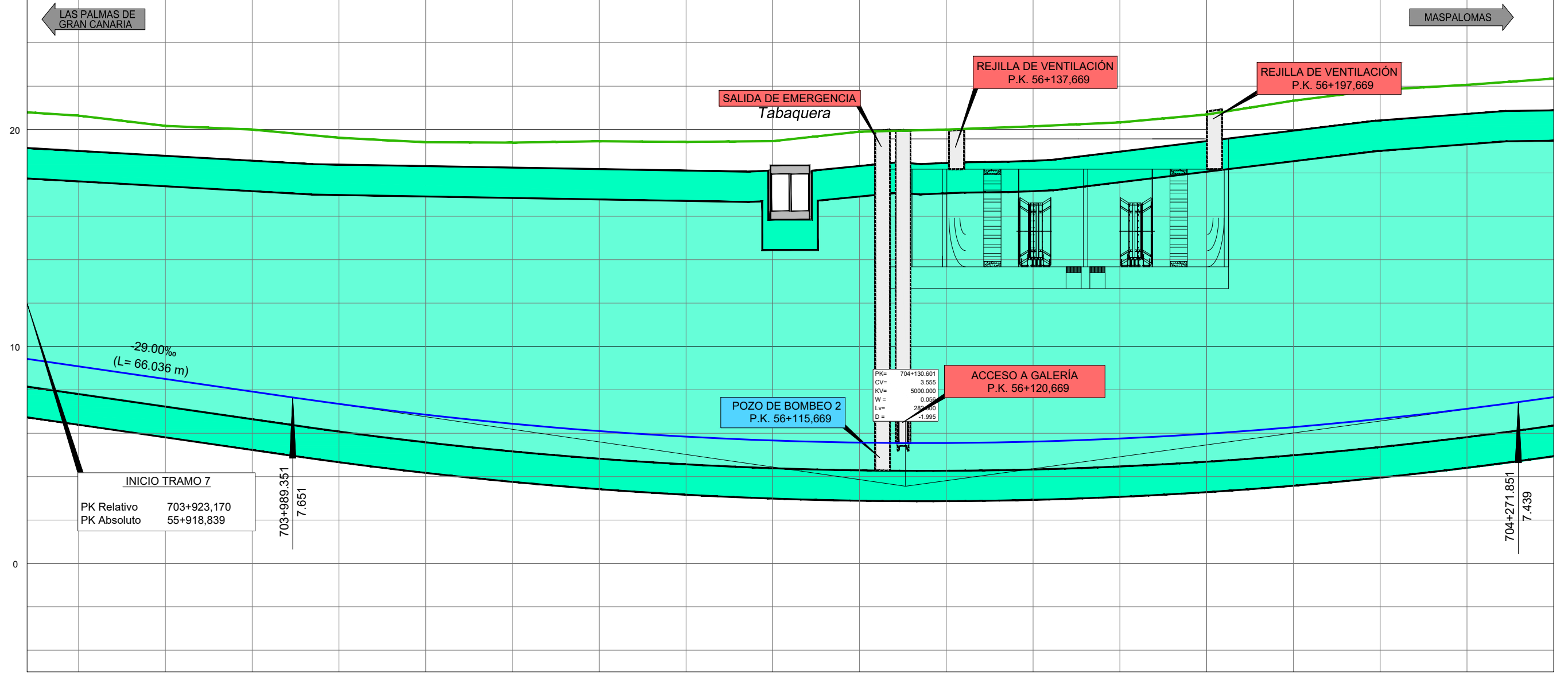


LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



LEYENDA

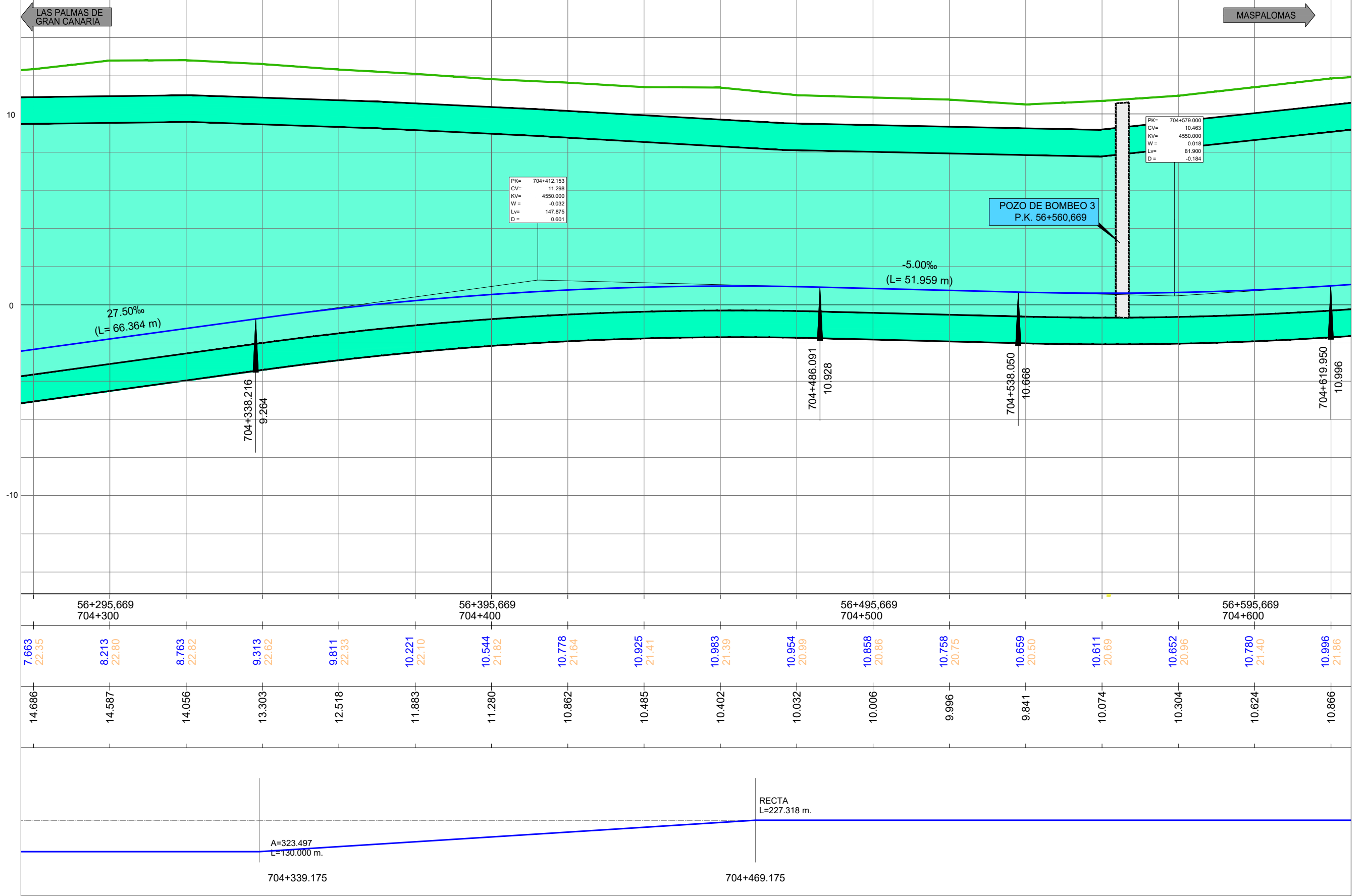
- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



P.K.	COTAS		DIAGRAMA DE CURVATURAS
	RASANTE	TERRENO	
55+918,839	9.082	20.64	11.559
703+923,17	8.502	20.17	11.667
55+995,669	7.922	20.00	12.078
704+000	7.354	19.62	12.269
	6.856	19.42	12.559
	6.439	19.40	12.960
	6.101	19.46	13.361
	5.844	19.43	13.586
56+095,669	5.667	19.47	13.801
704+100	5.569	19.90	14.332
	5.552	20.00	14.448
	5.614	20.15	14.535
	5.757	20.33	14.573
56+195,669	5.980	20.69	14.713
704+200	6.282	21.33	15.049
	6.665	21.83	15.166
	7.127	22.06	14.934
	7.663		14.686
			7.439

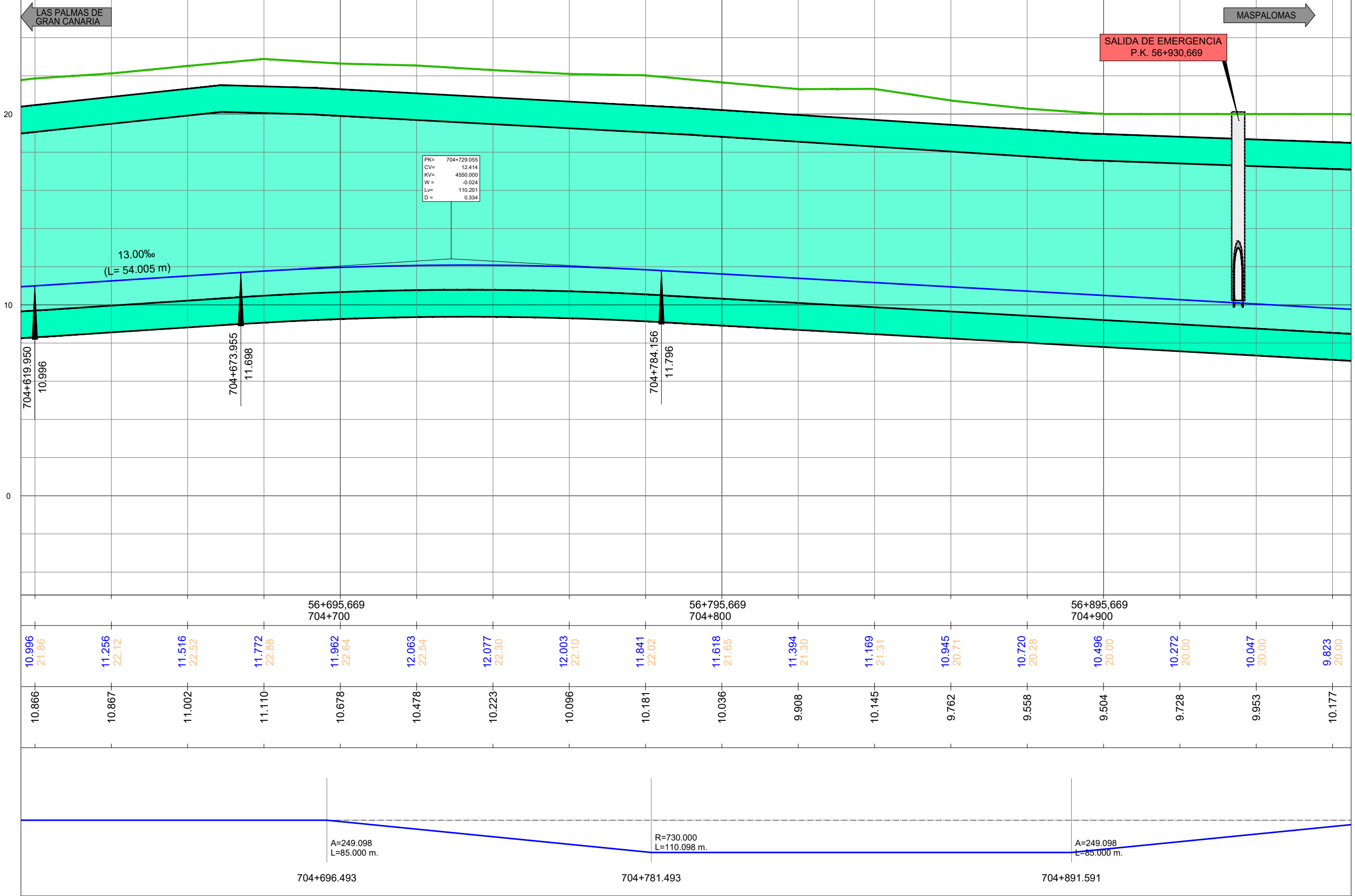
Stationing	Curve Data
703+999.952	A=323.497, L=130.000 m.
704+129.952	R=805.000

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



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

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA

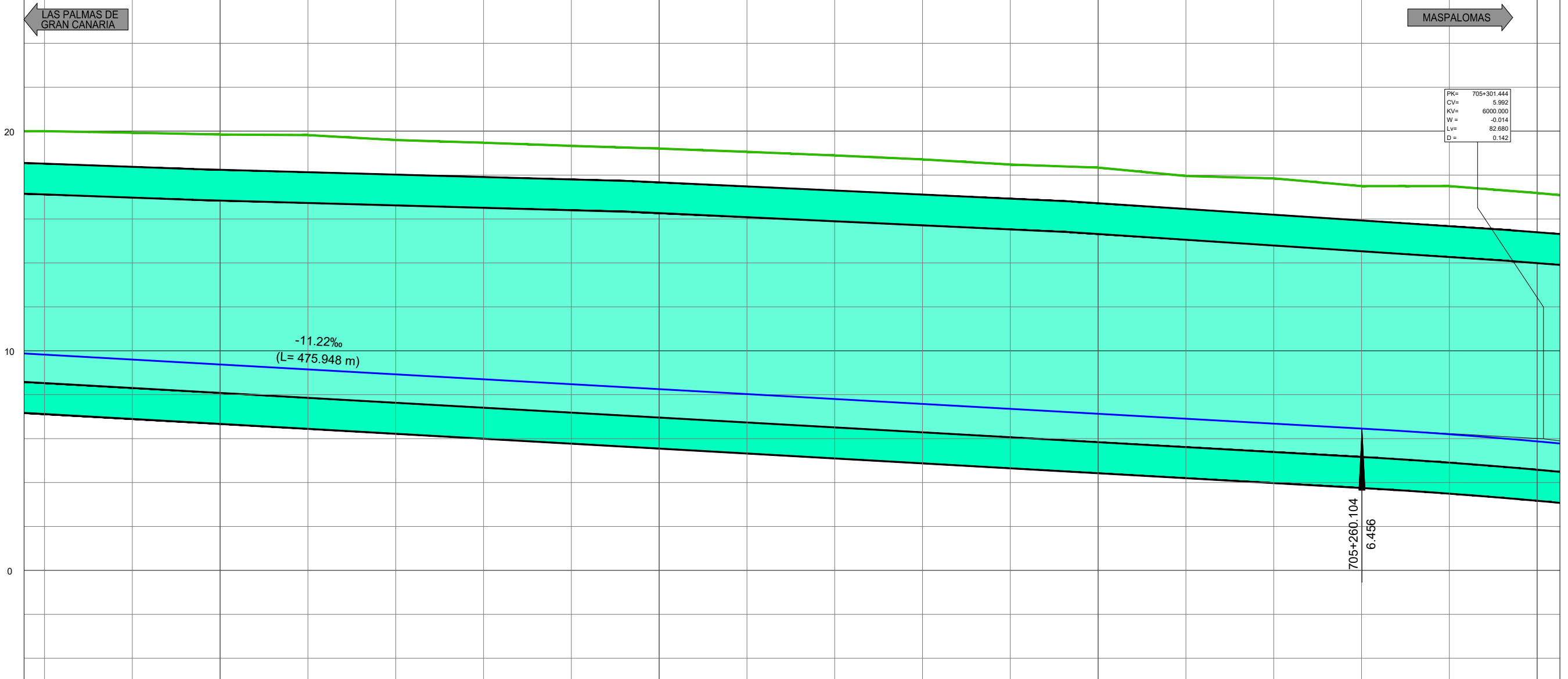


P.K.	
COTAS RASANTE	COTAS FERRENO
COTA ROJA (DESMONTE)	COTA AZUL (TERRAPLEN)
DIAGRAMA DE CURVATURAS	

P.K.	COTAS RASANTE	COTAS FERRENO	COTA ROJA (DESMONTE)	COTA AZUL (TERRAPLEN)	DIAGRAMA DE CURVATURAS
704+619,950	10,996	21,86	10,866	10,866	
704+673,955	11,256	22,12	10,867	10,867	
704+673,955	11,516	22,52	11,002	11,002	
704+673,955	11,772	22,88	11,110	11,110	
56+695,669 704+700	11,962	22,64	10,678	10,678	A=249,098 L=85,000 m.
704+784,156	12,063	22,54	10,478	10,478	
704+784,156	12,077	22,30	10,223	10,223	
704+784,156	12,003	22,10	10,096	10,096	
704+784,156	11,841	22,02	10,181	10,181	R=730,000 L=110,098 m.
56+795,669 704+800	11,618	21,65	10,036	10,036	
704+800	11,394	21,30	9,908	9,908	
704+800	11,169	21,31	10,145	10,145	
704+800	10,945	20,71	9,762	9,762	
704+800	10,720	20,28	9,558	9,558	
56+895,669 704+900	10,496	20,00	9,504	9,504	A=249,098 L=85,000 m.
704+900	10,272	20,00	9,728	9,728	
704+900	10,047	20,00	9,953	9,953	
704+900	9,823	20,00	10,177	10,177	

LEYENDA

- TÚNEL ARTIFICIAL
- TÚNEL (MINA)
- TÚNEL (TUNELADORA)
- SALIDAS Y GALERÍAS DE EMERGENCIA



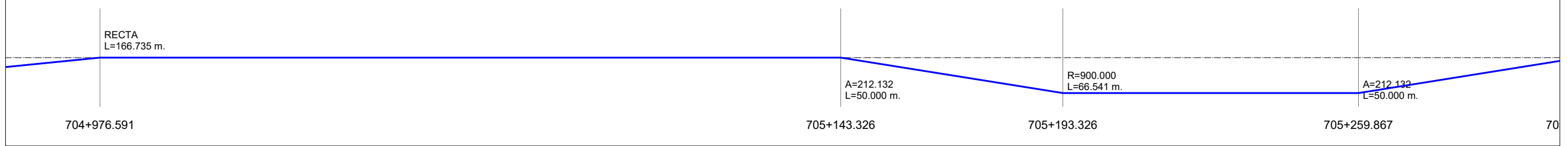
PK=	705+301.444
CV=	5.992
KV=	6000.000
W=	-0.014
Lv=	82.680
D=	0.142

-11.22‰
(L= 475.948 m)

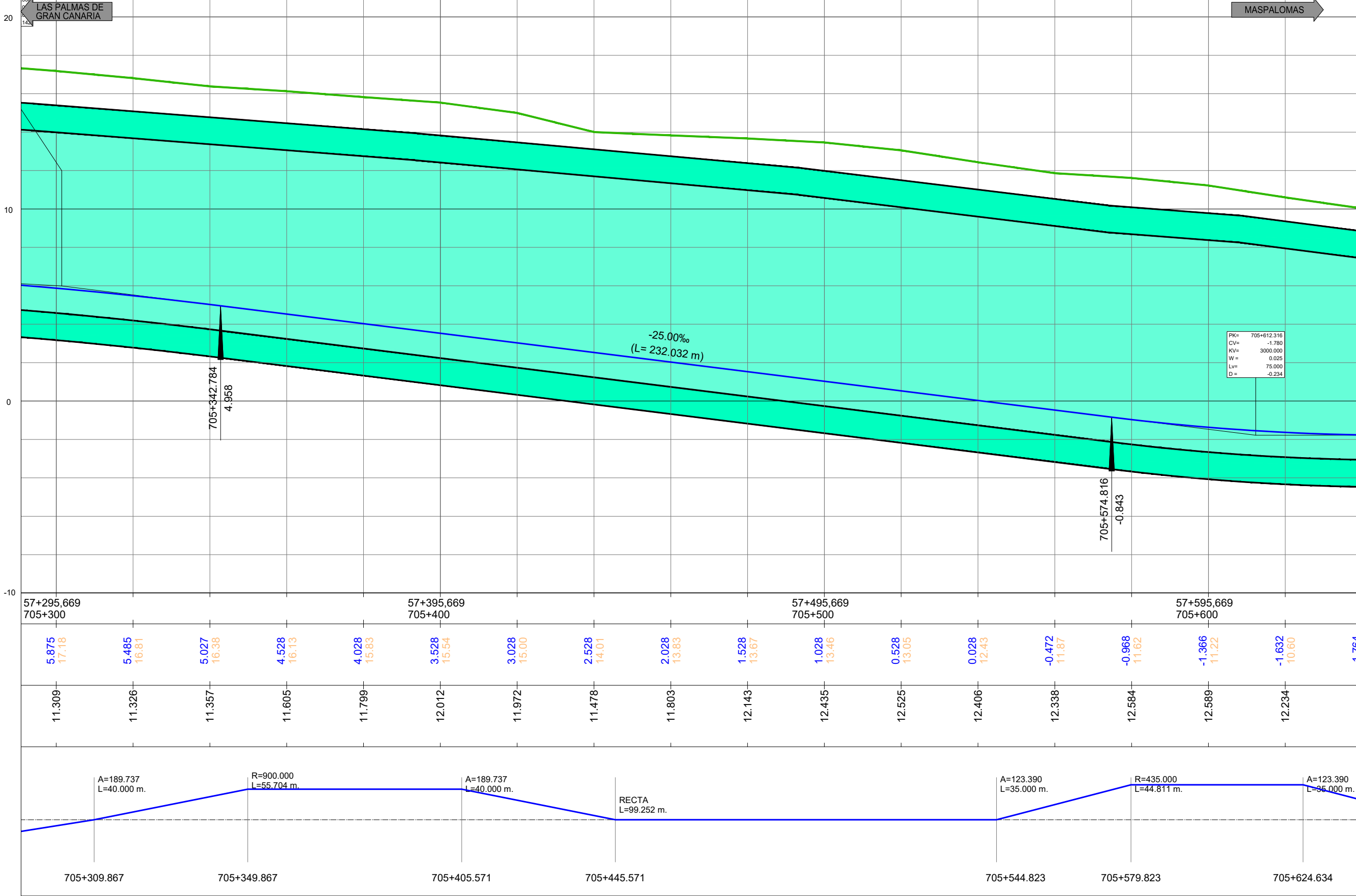
705+260.104
6.456

P.K.	
COTAS	RASANTE / TERRENO
COTA ROJA (DESMONTE) / (TERRAPLEN)	
DIAGRAMA DE CURVATURAS	

56+995,669 705+000	57+095,669 705+100	57+195,669 705+200	57+295,669 705+300
9.823 20.00	9.598 19.93	9.374 19.85	9.150 19.82
8.925 19.60	8.701 19.47	8.476 19.33	8.252 19.21
8.028 19.06	7.803 18.90	7.579 18.72	7.354 18.48
7.130 18.34	6.906 17.96	6.681 17.85	6.457 17.50
6.199 17.50	5.875 17.18		
10.177	10.330	10.474	10.673
10.671	10.772	10.854	10.956
11.031	11.093	11.136	11.125
11.211	11.054	11.167	11.043
11.301	11.309		



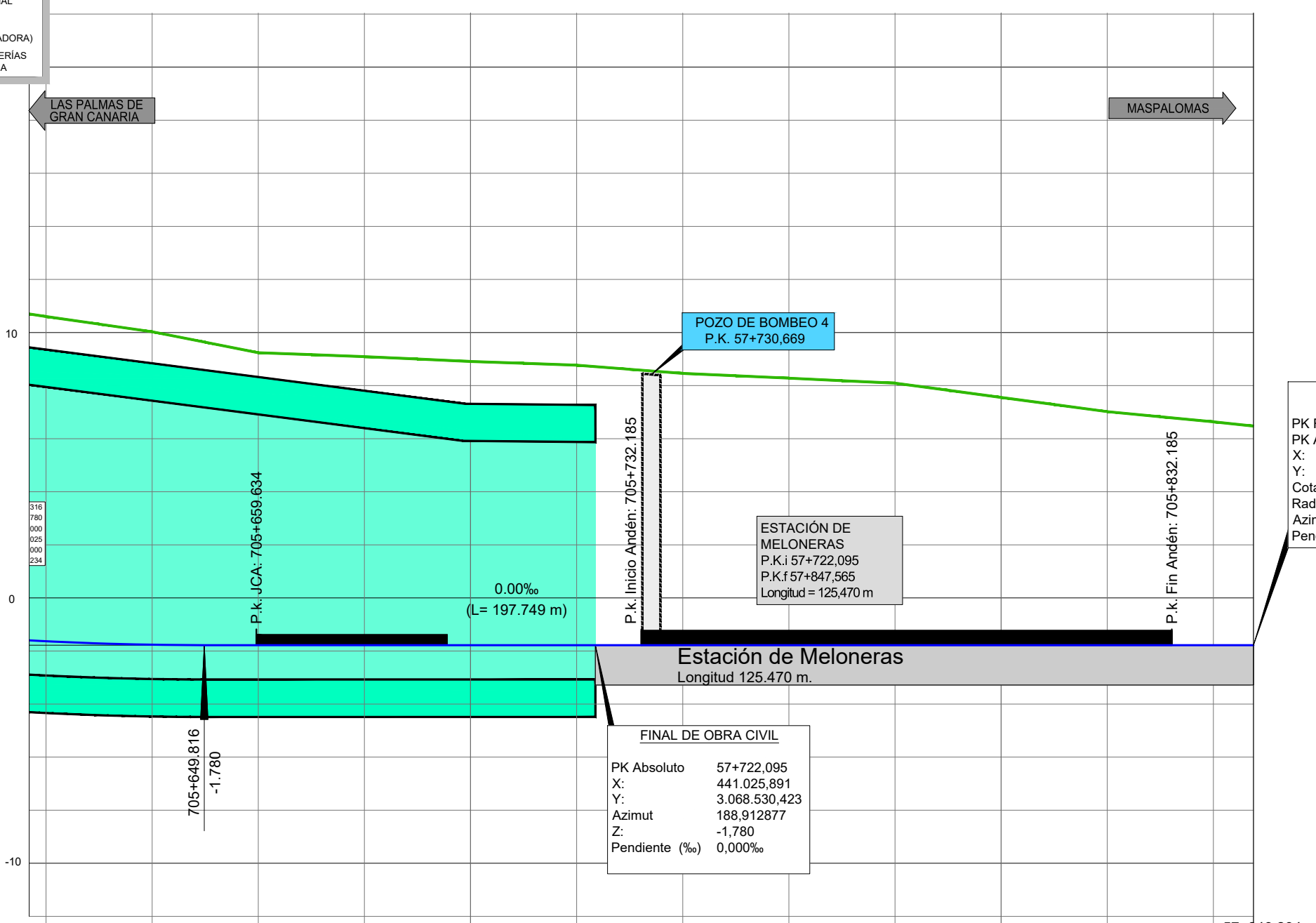
LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



PK=	705+612.316
CV=	-1.780
KV=	3000.000
W=	0.025
LV=	75.000
D=	-0.234

P.K.	
COTAS	RASANTE / TERRENO
COTA ROJA (DESMONTE) / TERRAPLEN	
DIAGRAMA DE CURVATURAS	

LEYENDA	
	TÚNEL ARTIFICIAL
	TÚNEL (MINA)
	TÚNEL (TUNELADORA)
	SALIDAS Y GALERÍAS DE EMERGENCIA



FIN TRAMO 7	
PK Relativo	705+847,565
PK Absoluto	57+843,2339
X:	441051,819
Y:	3068406,137
Cota	-1,78
Radio	0,000
Azimut	188,912877
Pendiente (%)	0,000

FINAL DE OBRA CIVIL	
PK Absoluto	57+722,095
X:	441.025,891
Y:	3.068.530,423
Azimut	188,912877
Z:	-1,780
Pendiente (%)	0,000‰

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

P.K.	COTAS RASANTE	COTAS TERRENO	COTA ROJA (DESMONTE) (TERRAPLEN)	DIAGRAMA DE CURVATURAS
705+624.634	-1.632	10.60	12.234	A=123.390 L=35.000 m.
705+649.816	-1.764	10.03	11.792	
705+659.634	-1.780	9.24	11.020	RECTA L=187.930 m.
705+700	-1.780	9.09	10.872	
705+732.185	-1.780	8.91	10.688	
705+770	-1.780	8.77	10.550	
705+800	-1.780	8.46	10.239	
705+832.185	-1.780	8.28	10.060	
705+847.565	-1.780	8.09	9.872	
705+847.565	-1.780	7.56	9.335	
705+847.565	-1.780	7.02	8.799	
705+847.565	-1.780	6.64	8.415	
705+847.565	-1.780	6.46	8.256	