

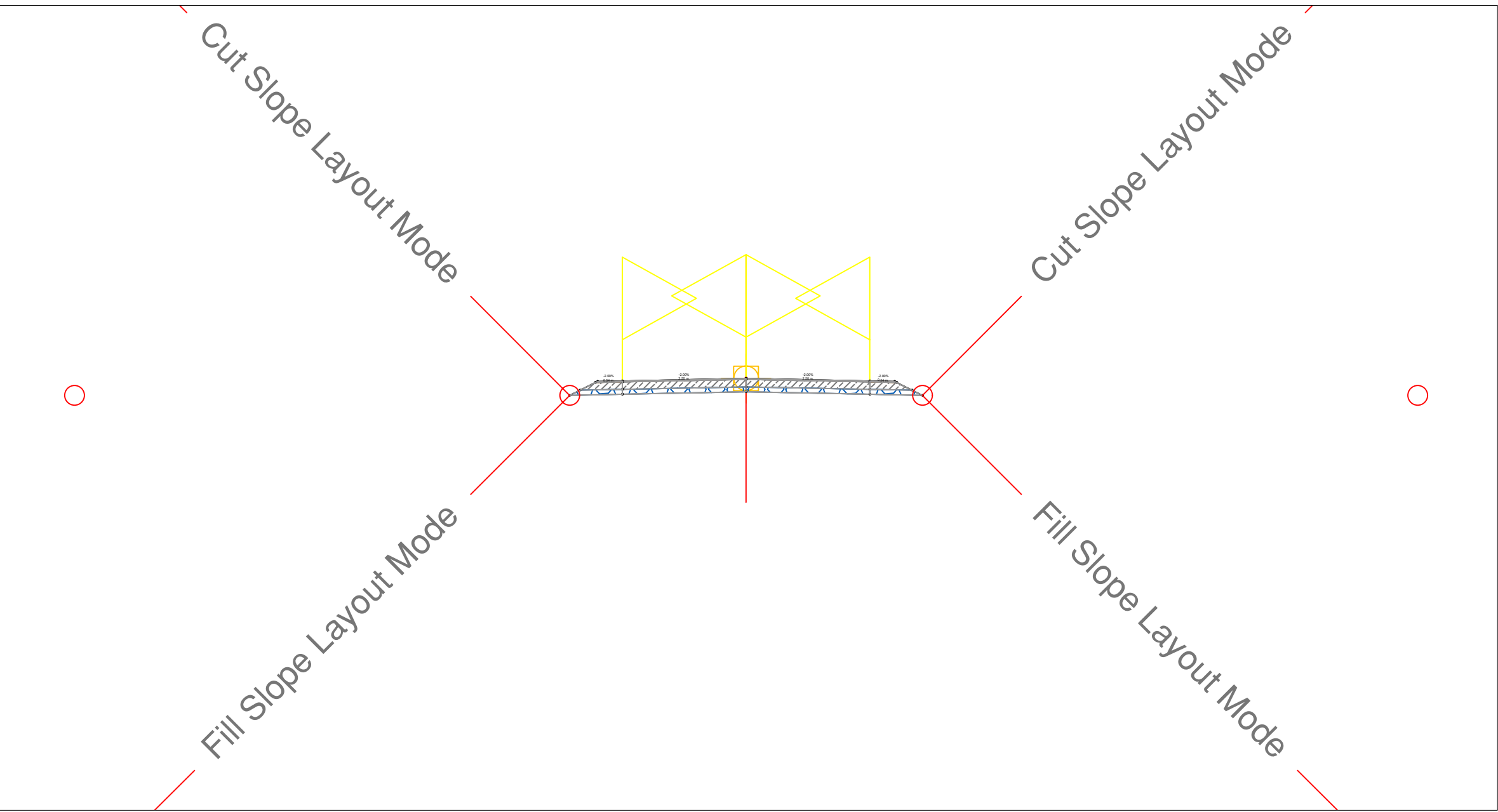
ALINEAMIENTO CAMINO LOCAL CARLAZO



ELEMENTOS DE CURVA											
Número	Radio	Delta	Tangente	Longitud	Externa	PC/TS/CS	PT/SC/ST	PI	Norte	Este	P(%)
L1				73.998							
S1				45.000		0+073.998	0+118.998	0+149.900	7624081.191	343617.468	
C1	50.000	63.435	30.901	55.357	8.778	0+118.998	0+174.355	0+149.900	7624081.191	343617.468	
S2				45.000		0+174.355	0+219.355				
S3				40.000		0+219.355	0+259.355				
C2	50.000	14.897	6.537	13.000	0.425	0+259.355	0+272.355	0+265.892	7624081.191	343617.468	
S4				45.000		0+272.355	0+317.355				
L2				56.769							
C3	114.447	23.034	23.319	46.009	2.352	0+374.124	0+420.133	0+397.443	7623956.749	343906.289	
L3				101.444							
C4	25.573	112.024	37.931	50.000	20.173	0+521.577	0+571.577	0+559.508	7623839.042	344018.604	
L4				18.780							
C5	23.622	121.276	41.987	50.000	24.554	0+590.357	0+640.357	0+632.345	7623802.656	343926.858	
L5				93.729							
C6	213.387	12.100	22.616	45.063	1.195	0+734.086	0+779.149	0+756.702	7623707.168	344053.155	
L6				48.093							
S5				40.000		0+827.242	0+867.242				
C7	50.000	11.233	4.917	9.802	0.241	0+867.242	0+877.045	0+872.159	7623628.446	344121.128	
S6				40.000		0+877.045	0+917.045				
L7				67.772							
S7				40.000		0+984.817	1+024.817				
C8	50.000	1.876	0.819	1.637	0.007	1+024.817	1+026.454	1+025.635	7623637.151	344272.839	
S8				40.000		1+026.454	1+066.454				
L8				56.265							
C9	50.000	33.528	15.061	29.258	2.219	1+122.719	1+151.978	1+137.781	7623586.176	344374.757	
L9				83.538							
C10	68.784	39.996	25.033	48.016	4.414	1+235.516	1+283.531	1+260.548	7623552.596	344497.641	
L10				265.614							
S9				40.000		1+549.145	1+589.145				
C11	50.000	24.050	10.651	20.987	1.122	1+589.145	1+610.133	1+599.796	7623302.147	344736.953	
S10				40.000		1+610.133	1+650.133				
L11				104.760							
C12	56.227	40.333	20.850	39.581	3.672	1+754.893	1+794.474	1+775.543	7623374.630	344902.989	
L12				38.122							
S11				45.000		1+832.596	1+877.596				
C13	50.000	57.960	27.693	50.580	7.157	1+877.596	1+928.175	1+905.288	7623487.578	344958.281	
S12				45.000		1+928.175	1+973.175				

L13				83.052							
C14	50.000	24.346	10.785	21.245	1.150	2+056.227	2+077.472	2+067.012	7623377.892	345103.272	
L14				99.596							
S13				45.000		2+177.069	2+222.069				
C15	50.000	9.392	4.107	8.196	0.168	2+222.069	2+230.265	2+226.176	7623225.602	345494.599	
S14				45.000		2+230.265	2+275.265				
S15				45.000		2+275.265	2+320.265				
C16	45.000	31.831	12.832	25.000	1.794	2+320.265	2+345.265	2+333.097	7623225.602	345494.599	
S16				45.000		2+345.265	2+390.265				
L15				141.392							
C17	50.000	20.495	9.039	17.885	0.810	2+531.657	2+549.541	2+540.696	7623224.927	345489.021	
L16				39.307							
C18	30.047	43.235	11.907	22.674	2.273	2+588.849	2+611.523	2+600.756	7623252.654	345542.516	
L17				36.994							
C19	50.000	37.572	17.008	32.788	2.814	2+648.516	2+681.304	2+665.524	7623234.668	345605.924	
L18				343.788							
C20	50.000	16.776	7.373	14.640	0.541	3+025.092	3+039.732	3+032.465	7623371.010	345947.916	
L19				125.040							
C21	100.000	94.187	107.588	164.387	46.885	3+164.773	3+329.160	3+272.361	7623520.454	346135.712	
L20				48.632							
S17				45.000		3+377.792	3+422.792				
C22	50.000	39.549	17.976	34.513	3.133	3+422.792	3+457.305	3+440.768	7623347.142	346254.048	
S18				45.000		3+457.305	3+502.305				
L21				158.411							
C23	100.000	28.736	25.617	50.155	3.229	3+660.716	3+710.871	3+686.332	7623479.889	346477.184	
L22				147.524							
C24	50.000	15.060	6.609	13.143	0.435	3+858.394	3+871.537	3+865.004	7623500.674	346655.704	
L23				160.962							
C25	37.742	90.375	37.990	59.532	15.809	4+032.499	4+092.031	4+070.489	7623576.895	346846.612	
L24				97.724							
C26	50.000	33.029	14.824	28.823	2.151	4+189.755	4+218.578	4+204.579	7623436.725	346901.513	
L25				91.115							
C27	50.000	18.150	7.986	15.839	0.634	4+309.693	4+325.532	4+317.679	7623370.435	346994.167	
L26				66.120							
C28	50.000	24.298	10.764	21.204	1.146	4+391.652	4+412.856	4+402.416	7623345.010	347075.140	
L27				67.737							
C29	80.000	27.891	19.866	38.944	2.430	4+480.593	4+519.536	4+500.458	7623279.536	347148.550	
L28				55.409							
C30	50.000	59.196	28.401	51.658	7.503	4+574.945	4+626.603	4+603.347	7623254.737	347249.216	
L29				82.770							

SECCION TRANSVERSAL



PLANO GENERAL GEOREFERENCIADO



"UNIVERSIDAD AUTONOMA
JUAN MISAEL SARACHO"



FACULTAD DE CIENCIAS Y TECNOLOGIA
CARRERA DE INGENIERIA CIVIL

PROYECTO DE GRADO II
CIV-502

DOCENTE: ING JHONNY ORGAS FERNANDEZ

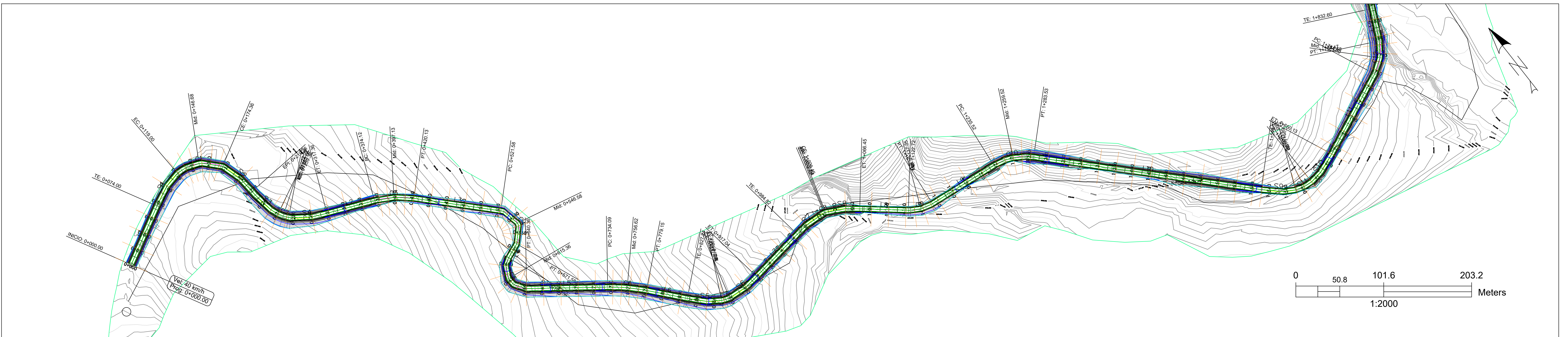
TEMA:
ANÁLISIS COMPARATIVO DEL DISEÑO GEOMÉTRICO
DE CARRETERAS UTILIZANDO SOFTWARE CIVIL 3D,
SIMCAR Y DG APLICADO AL TRAMO CARLAZO
0+000-5+000

ESTUDIANTE: CARLA CONDORI LLANOS

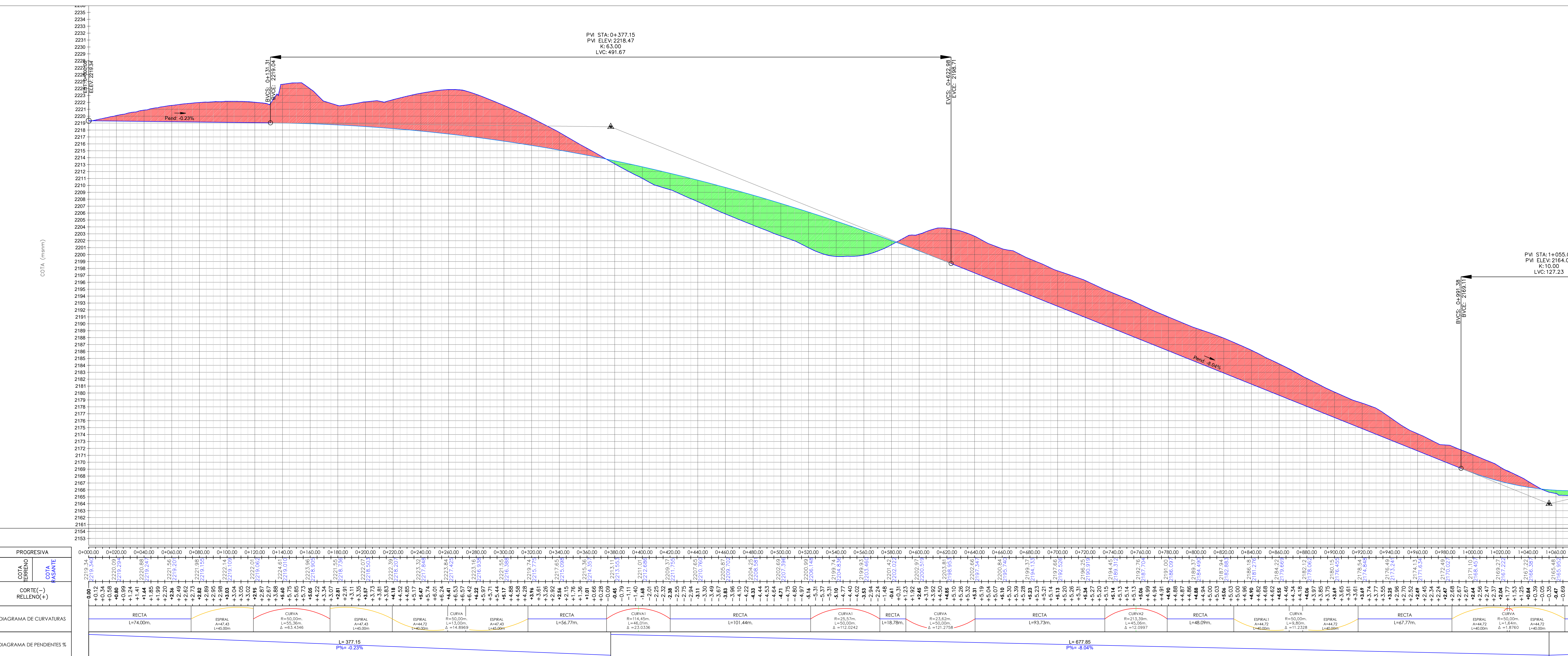
FECHA:20/11/2024
ESCALA: 1:5000

Lámina N°
1 / 7

VISTA EN PLANTA



PERFIL



This topographic map displays a proposed road alignment, likely for a highway or major road, through a hilly area. The alignment is shown as a green line with stationing markers. Key points along the alignment include:

- Station 1+000.00 (Min. 1+000.00)
- Station 1+200.00 (Min. 1+200.00)
- Station 1+400.00 (Min. 1+400.00)
- Station 1+600.00 (Min. 1+600.00)
- Station 1+800.00 (Min. 1+800.00)
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- Station 28+200.00 (Min. 28+200.00)



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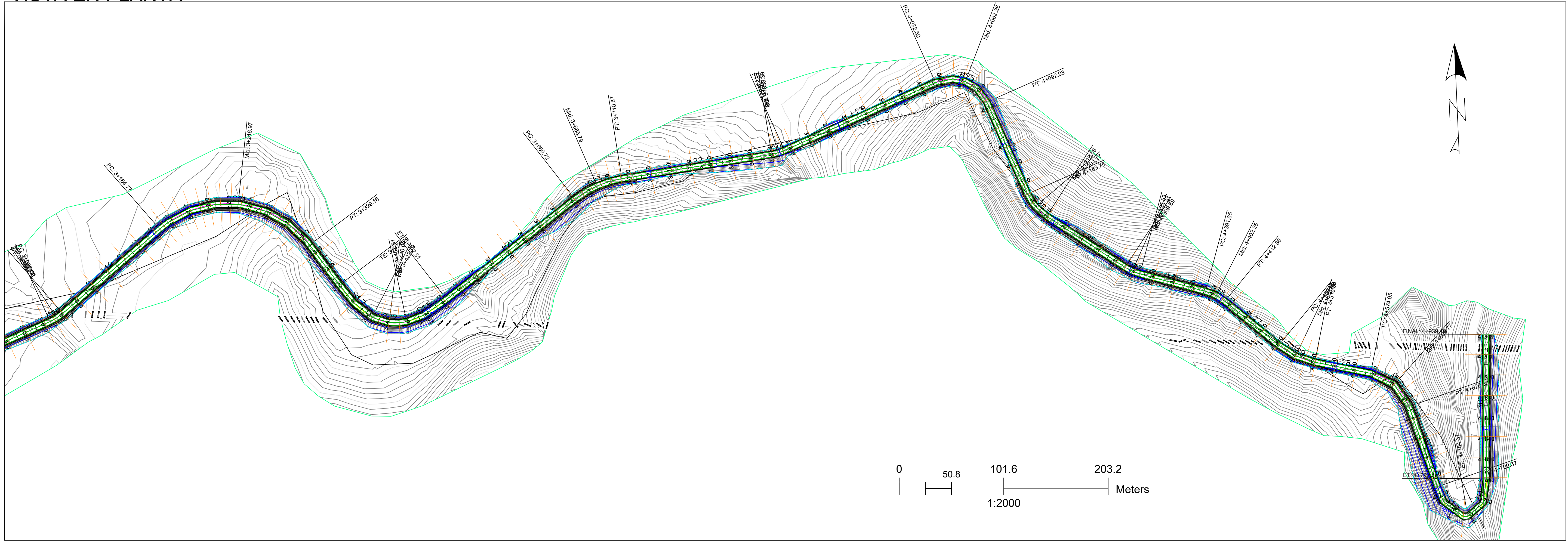
This is a detailed topographic map showing a proposed road alignment. The map features contour lines indicating elevation, with a green line representing the proposed road centerline and a blue line representing the existing road centerline. The alignment starts at station 0+000 and ends at station 0+200. Key points along the alignment include:

- Station 0+000: TE 2+777.07, EG 2+025.01, MG 2+228.17, CE 2+190.10, EP 2+100.15, PT 2+000.15, MG 2+000.15, PT 2+000.15, EG 2+000.15, CE 2+000.15.
- Station 0+100: PT 2+000.15, EG 2+000.15, CE 2+000.15.
- Station 0+200: PT 2+000.15, EG 2+000.15, CE 2+000.15.

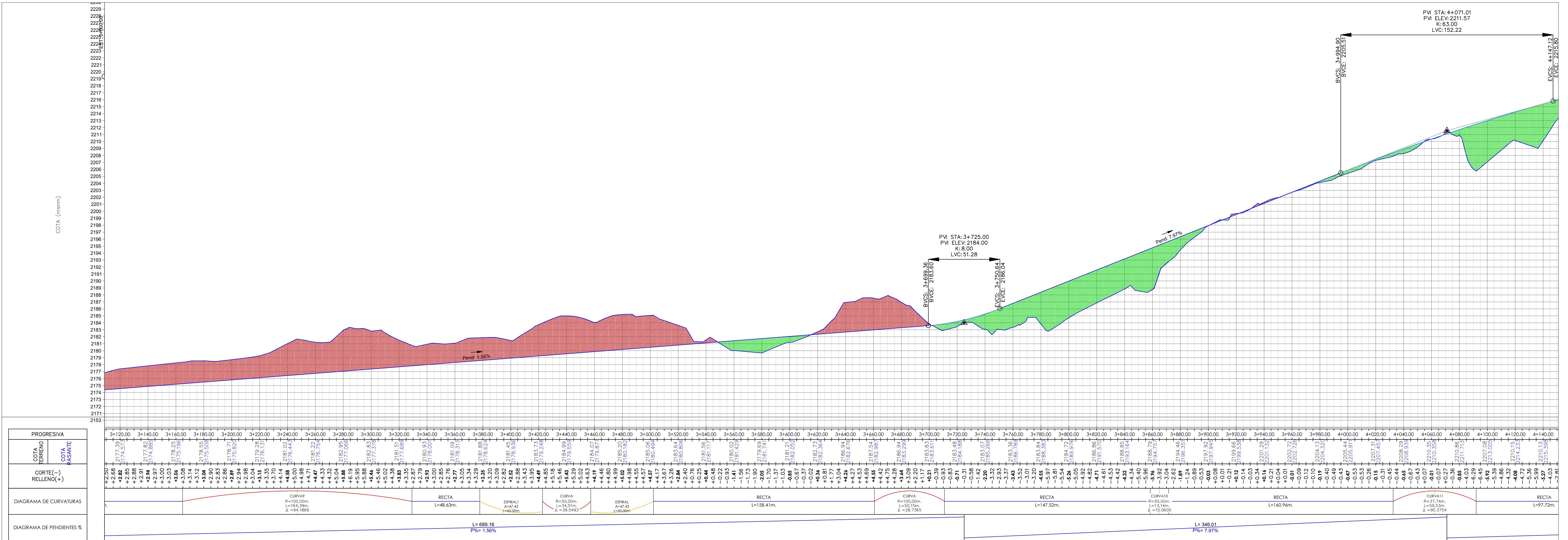
The map includes a scale bar at the bottom right, showing distances from 0 to 203.2 meters. A north arrow is located at the bottom right, pointing towards the top of the map. The map is titled 'Topographic Map' at the top left.

PROGRESIVA	COTA TERRENO	COTA ACOTADA
2+000	2173.34	2173.34
2+010	2173.34	2173.34
2+020	2173.34	2173.34
2+030	2173.34	2173.34
2+040	2173.34	2173.34
2+050	2173.34	2173.34
2+060	2173.34	2173.34
2+070	2173.34	2173.34
2+080	2173.34	2173.34
2+090	2173.34	2173.34
2+100	2173.34	2173.34
2+110	2173.34	2173.34
2+120	2173.34	2173.34
2+130	2173.34	2173.34
2+140	2173.34	2173.34
2+150	2173.34	2173.34
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2+170	2173.34	2173.34
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2+410	2173.34	2173.34
2+420	2173.34	2173.34
2+430	2173.34	2173.34
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2+490	2173.34	2173.34
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2+810	2173.34	2173.34
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2+890	2173.34	2173.34
2+900	2173.34	2173.34
2+910	2173.34	2173.34
2+920	2173.34	2173.34
2+930	2173.34	2173.34
2+940	2173.34	2173.34
2+950	2173.34	2173.34
2+960	2173.34	2173.34
2+970	2173.34	2173.34
2+9		

VISTA EN PLANTA



PERFIL



PLANOS BIMODALES- PLANTA PERFIL



"UNIVERSIDAD AUTONOMA
JUAN MISAEL SARACHO"



FACULTAD DE CIENCIAS Y TECNOLOGIA
CARRERA DE INGENIERIA CIVIL

PROYECTO DE GRADO II
CIV-502

DOCENTE: ING JHONNY ORGAS FERNANDEZ

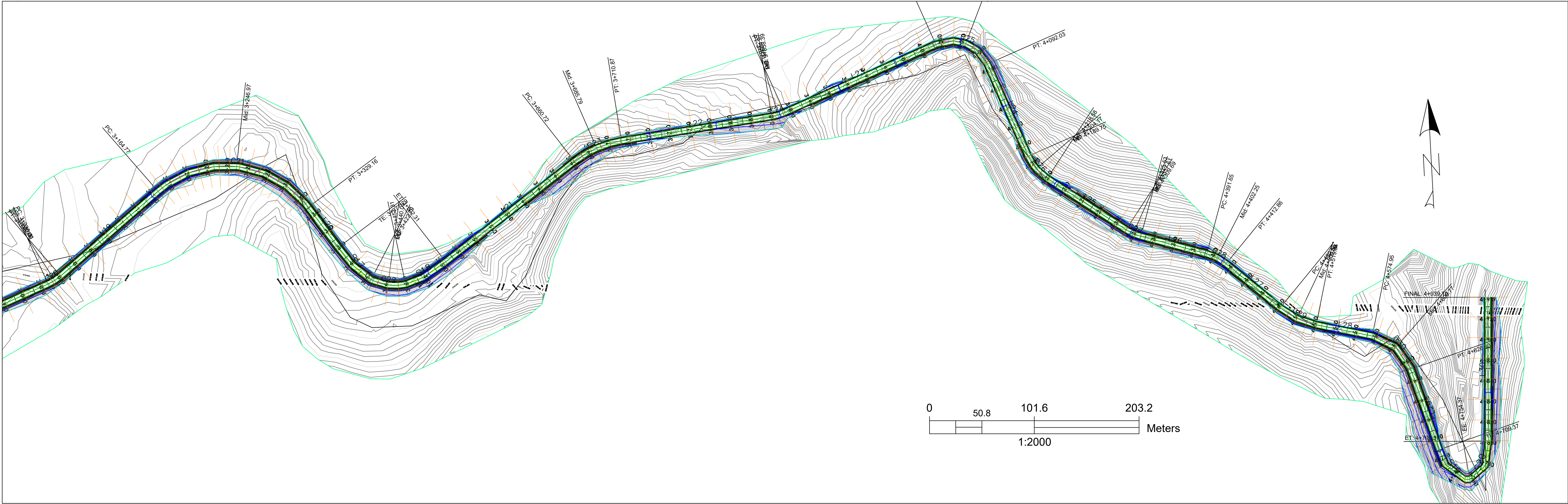
TEMA:
ANÁLISIS COMPARATIVO DEL DISEÑO GEOMÉTRICO
DE CARRETERAS UTILIZANDO SOFTWARE CIVIL 3D,
SIMCAR Y DG APLICADO AL TRAMO CARLAZO
0+000=5+000

ESTUDIANTE: CARLA CONDORI LLANOS

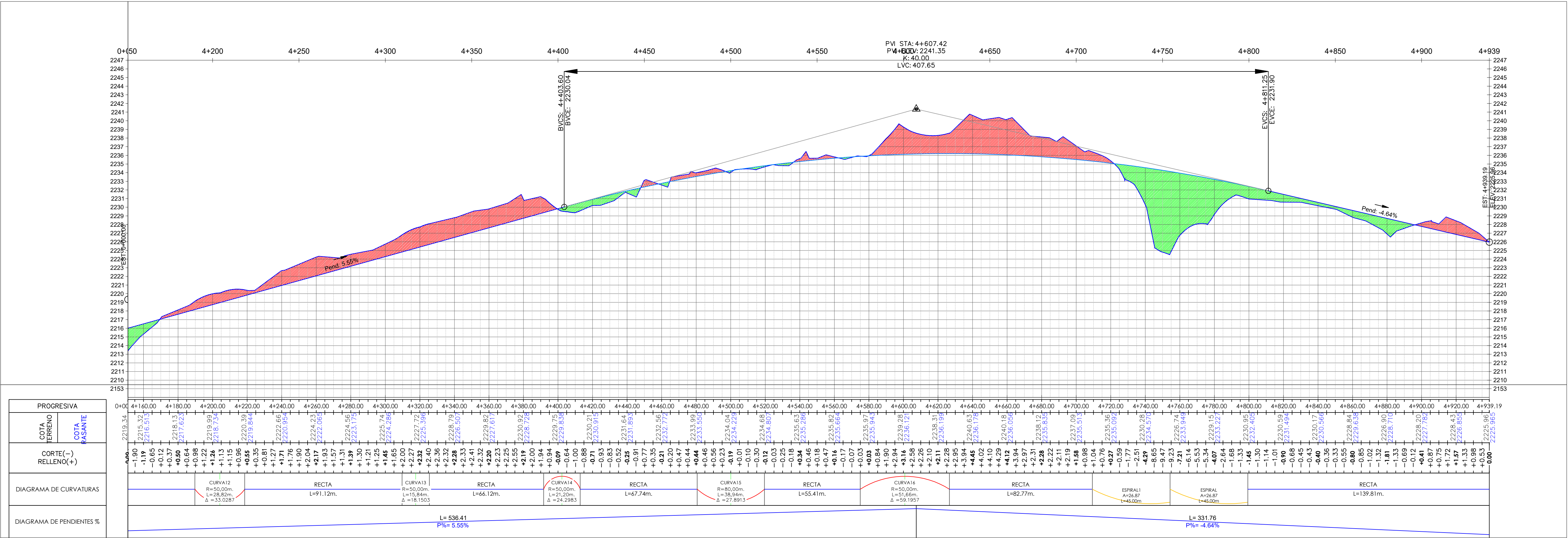
FECHA:20/11/2024
ESCALA: 1:2000

Lámina N°
5/7

VISTA EN PLANTA



PERFIL



PLANOS BIMODALES- PLANTA PERFIL



"UNIVERSIDAD AUTONOMA
JUAN MISAEL SARACHO"



FACULTAD DE CIENCIAS Y TECNOLOGIA
CARRERA DE INGENIERIA CIVIL

PROYECTO DE GRADO II
CIV-502

DOCENTE: ING JHONNY ORGAS FERNANDEZ

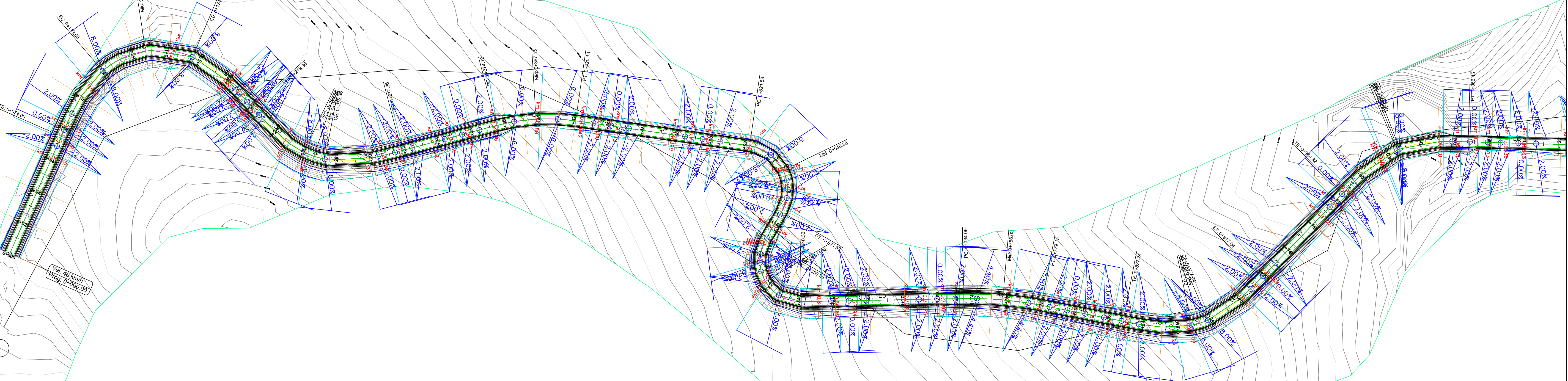
TEMA:
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SIMCAR Y DG APLICADO AL TRAMO CARLAZO
0+000-5+000

ESTUDIANTE: CARLA CONDORI LLANOS

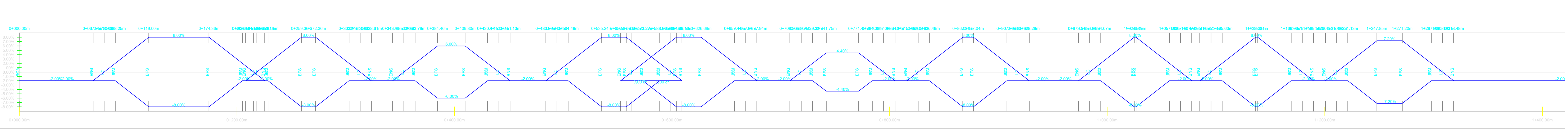
FECHA: 20/11/2024
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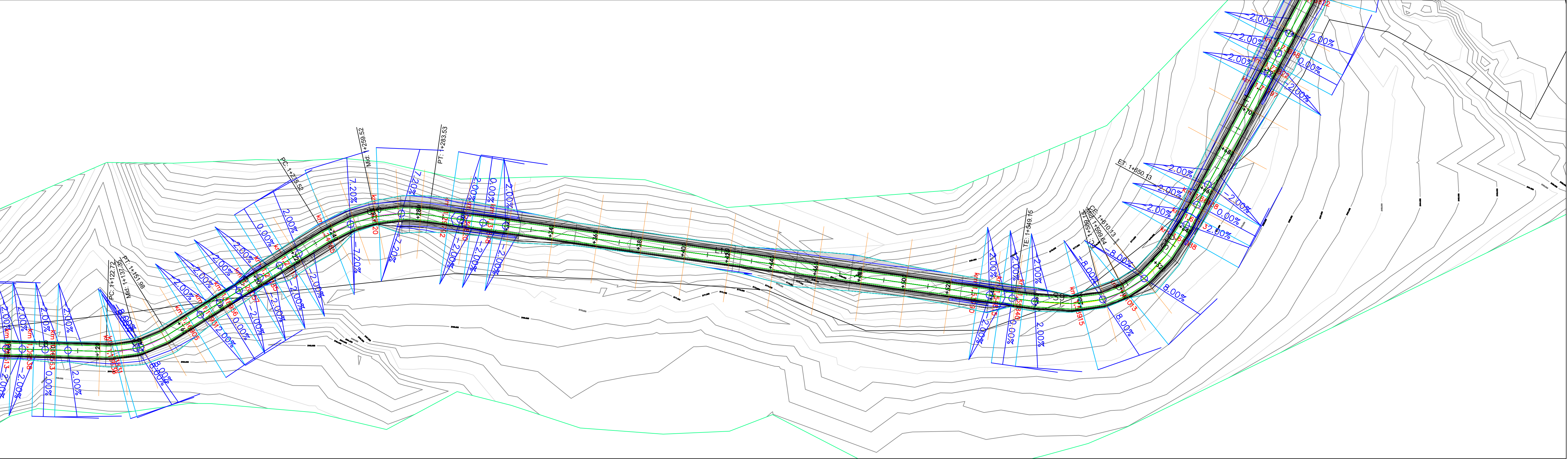
VISTA EN PLANTA PROG 0+000 - 1+120.00



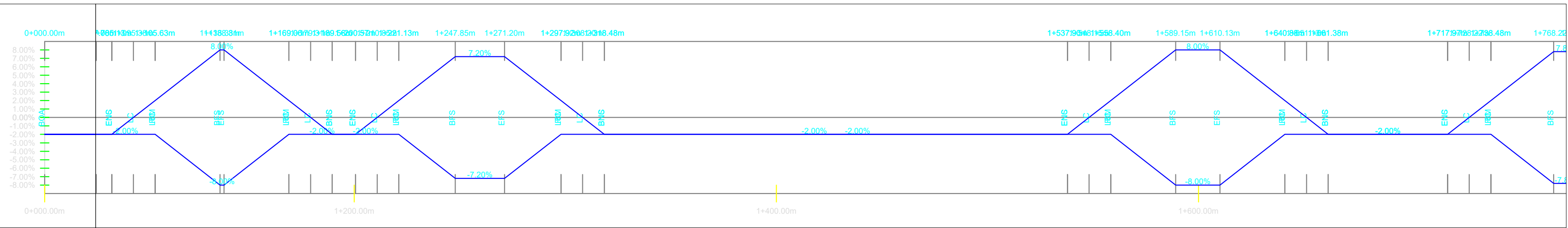
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VISTA EN PLANTA PROG 1+120.00 - 1+740.00



PERALTE PROG 1+120.00 - 1+740.00



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FACULTAD DE CIENCIAS Y TECNOLOGIA
CARRERA DE INGENIERIA CIVIL

PROYECTO DE GRADO II
CIV-502

DOCENTE: ING JHONNY ORGAS FERNANDEZ

TEMA:
ANÁLISIS COMPARATIVO DEL DISEÑO GEOMÉTRICO
DE CARRETERAS UTILIZANDO SOFTWARE CIVIL 3D,
SIMCAR Y DG APLICADO AL TRAMO CARLAZO
0+000-5+000

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PLANOS BIMODALES- PLANTA PERFIL

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SECCIONES TRANSVERSALES



PLANOS BIMODALES- PLANTA PERFIL



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