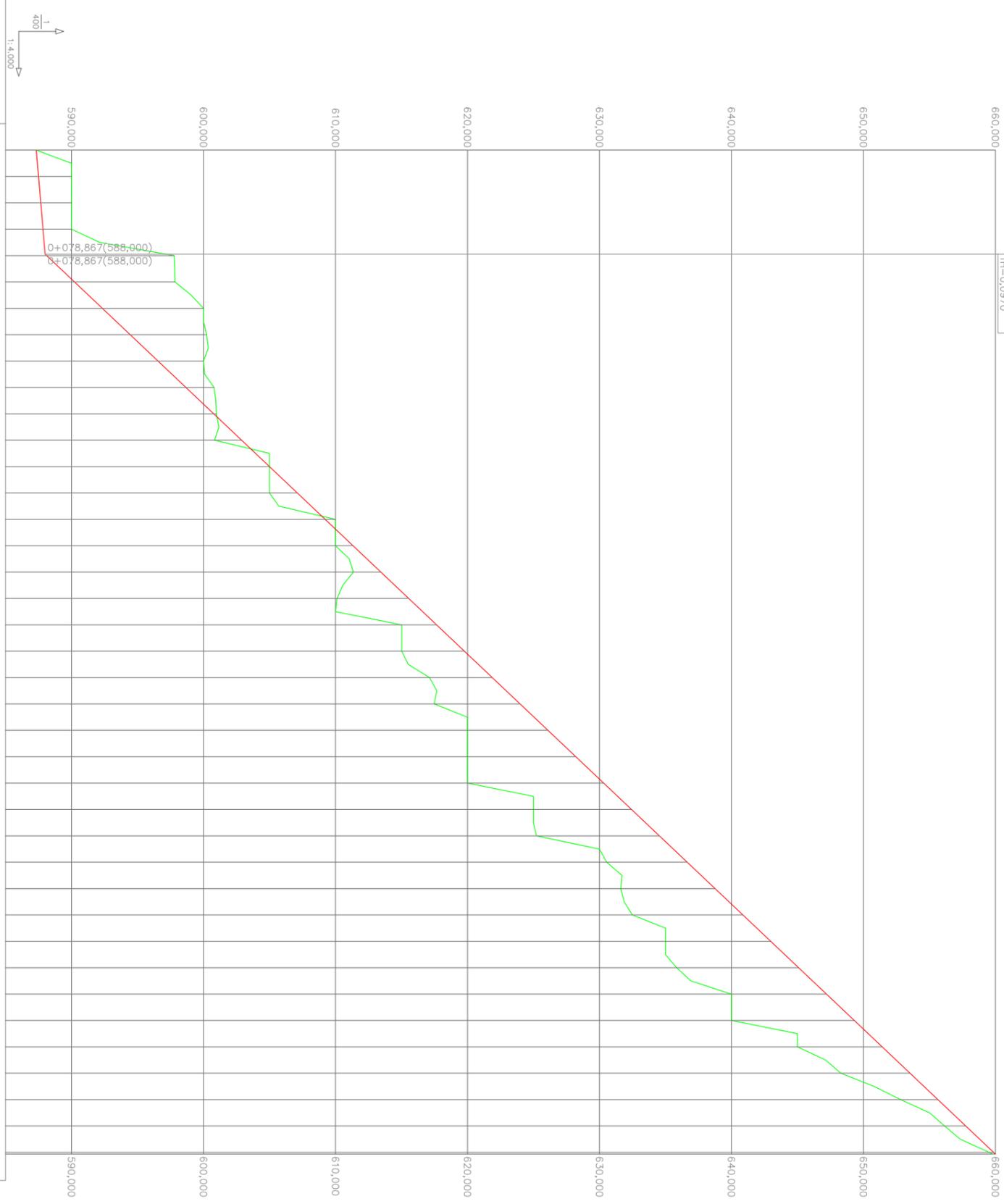




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 B=0,000  
 TH=0,0970



KILOMETRAJE	GRADIENTES Y PENDIENTES	
	RASANTE	TERRENO
0+000	587,333	587,333
20,000	590,000	587,502
40,000	590,000	587,671
60,000	590,000	587,840
80,000	597,776	588,119
100,000	597,838	590,230
120,000	600,000	592,340
140,000	600,235	594,450
160,000	600,000	596,560
180,000	600,800	598,670
200,000	600,969	600,780
220,000	600,845	602,890
240,000	605,000	605,000
260,000	605,000	607,110
280,000	609,999	609,220
300,000	609,999	611,330
320,000	611,357	613,440
340,000	610,125	615,550
360,000	615,015	617,660
380,000	615,015	619,771
400,000	617,130	621,881
420,000	617,477	623,991
440,000	619,999	626,101
460,000	619,999	628,211
480,000	619,999	630,321
500,000	624,999	632,431
520,000	625,225	634,541
540,000	630,547	636,651
560,000	631,613	638,761
580,000	632,492	640,871
600,000	635,000	642,981
620,000	635,848	645,091
640,000	639,999	647,201
660,000	639,999	649,312
680,000	644,999	651,422
700,000	648,291	653,532
720,000	652,826	655,642
740,000	656,146	657,752
760,000	659,537	659,862



EL INGENIERO AUTOR  
 JULIO RODRIGUEZ MARQUEZ  
 INGENIERO DE CAMINOS CC. Y PP.

ESCALAS  
 LINEA A-3  
 ORIGINALES

GRAFICAS

TERMINO MUNICIPAL  
 TEROR

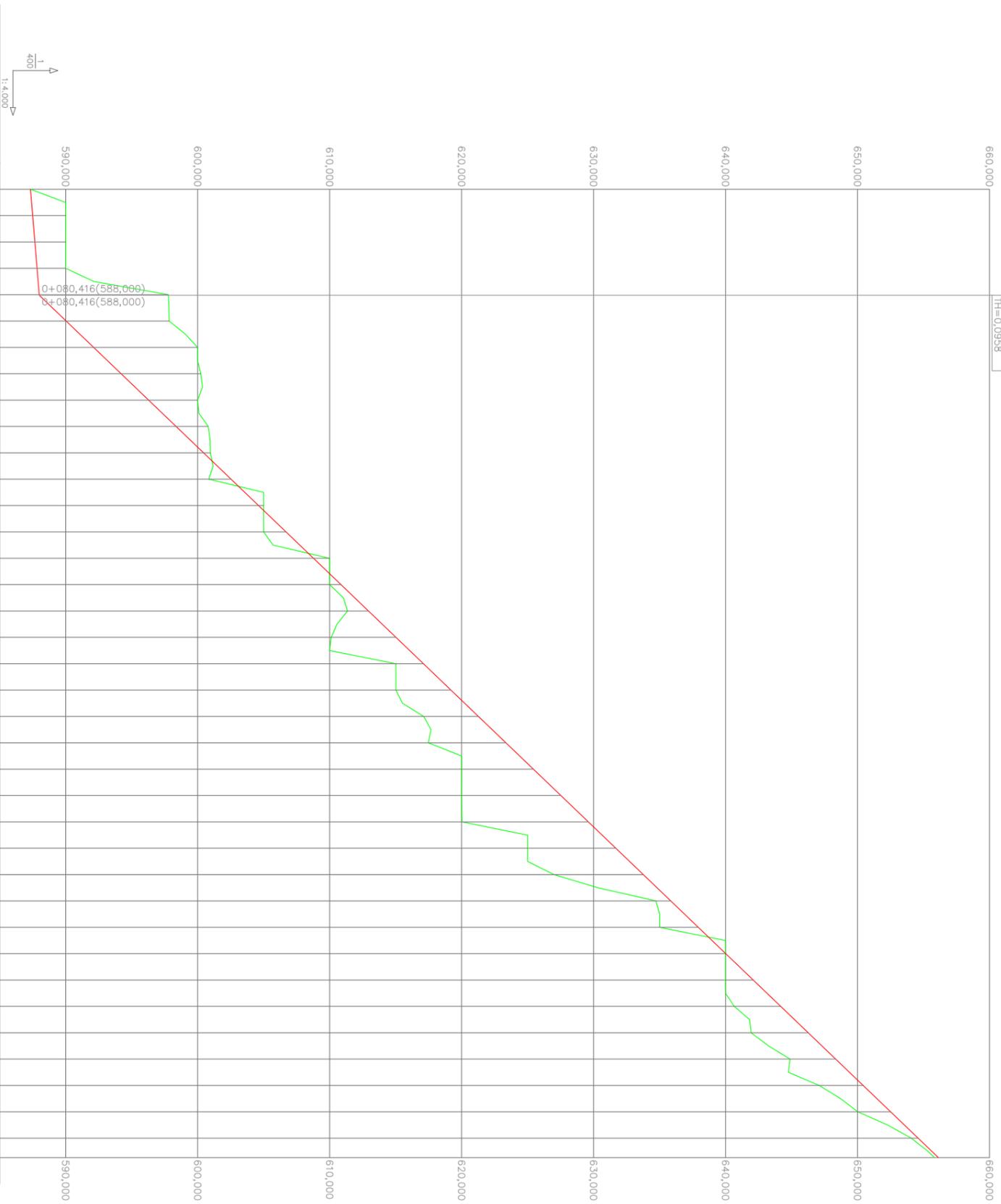
TITULO  
 ESTUDIO DE TRAZADO  
 VARIANTE GC-21  
 A SU PASO POR EL T.M. DE TEROR

DESIGNACION  
 ALTERNATIVA 1

PLANO Nº

FECHA  
 DICIEMBRE 2010  
 HOJA.....DE.....

PK=+080,416  
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 LV=0  
 B=0,000  
 TH=0,09558



KILOMETRAJE	GRADIENTES Y PENDIENTES	
	RASANTE	TERRENO
0+000	587,333	587,333
20,000	590,000	587,499
40,000	590,000	587,665
60,000	590,000	587,831
80,000	597,776	587,997
100,000	597,838	590,039
120,000	600,000	592,122
140,000	600,235	594,204
160,000	600,000	596,287
180,000	600,800	598,369
200,000	600,969	600,452
220,000	600,845	602,534
240,000	605,000	604,617
260,000	605,000	606,699
280,000	609,999	608,782
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320,000	611,357	612,947
340,000	610,125	615,029
360,000	615,015	617,112
380,000	615,015	619,194
400,000	617,130	621,277
420,000	617,477	623,359
440,000	619,999	625,442
460,000	619,999	627,524
480,000	620,039	629,607
500,000	624,999	631,690
520,000	627,013	633,772
540,000	634,731	635,855
560,000	635,000	637,937
580,000	639,999	640,020
600,000	639,999	642,102
620,000	640,663	644,185
640,000	641,930	646,267
660,000	644,892	648,350
680,000	647,100	650,432
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720,000	654,078	654,597
734,711	656,129	656,679

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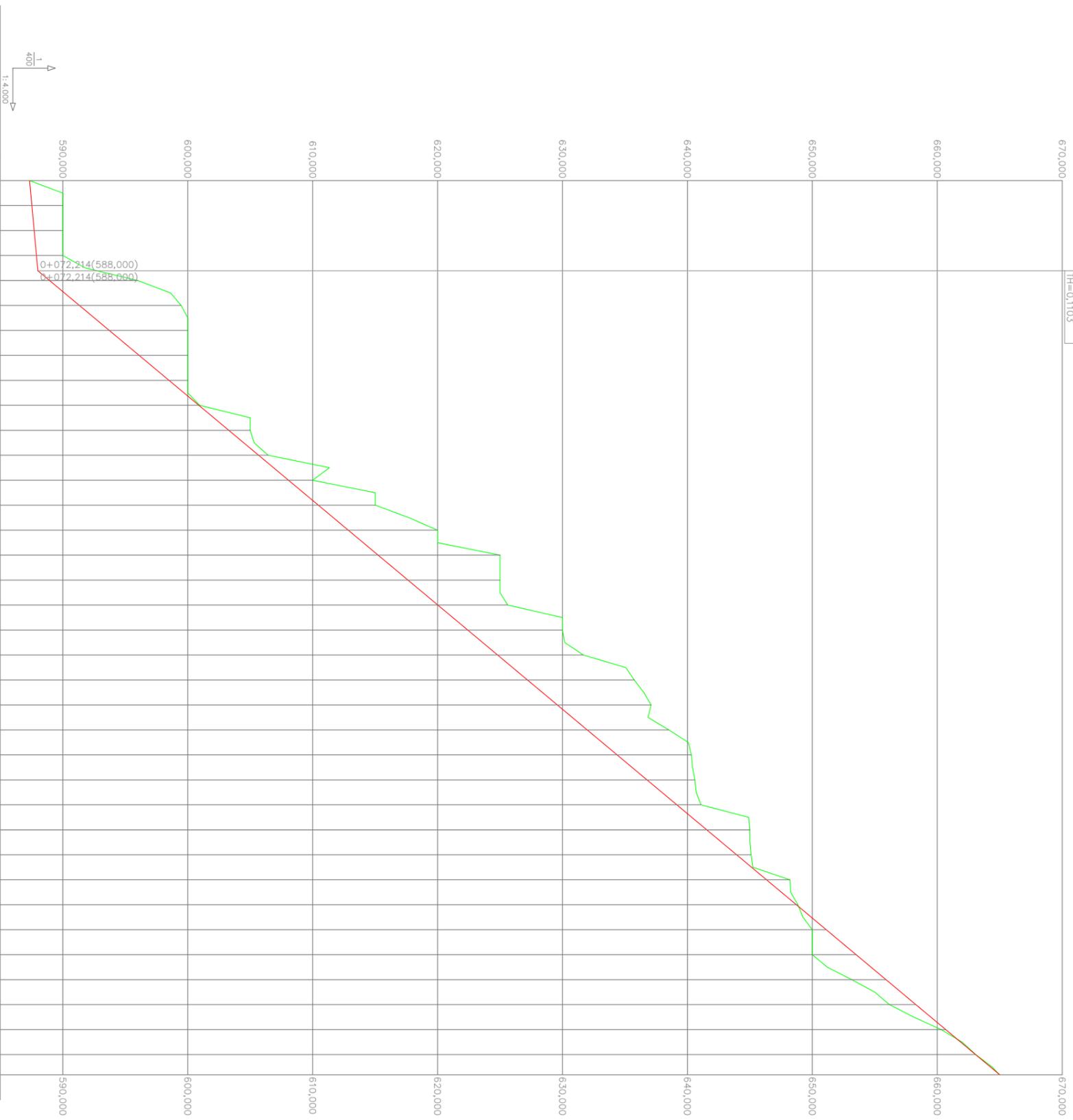
GRADIENTES Y PENDIENTES

0,91%

9,50%

KILOMETRAJE	COTAS		GRADIENTES Y PENDIENTES
	TERRENO	RASANTE	
0+000	587,333	587,333	0,91%
20,000	590,000	587,514	
40,000	590,000	587,696	
60,000	590,000	587,877	
80,000	597,776	588,615	
100,000	597,838	590,515	
120,000	600,000	592,416	
140,000	600,235	594,316	
160,000	600,000	596,216	
180,000	600,800	598,116	
200,000	600,971	600,017	9,50%
220,000	600,849	601,917	
240,000	605,000	603,817	
260,000	605,000	605,718	
280,000	609,999	607,618	
300,000	609,999	609,518	
320,000	611,584	611,418	
340,000	611,821	613,319	
360,000	615,015	615,219	
380,000	615,015	617,119	
400,000	622,459	619,019	
420,000	628,477	620,920	
440,000	631,784	622,820	
460,000	634,163	624,720	
480,000	634,767	626,621	
500,000	634,999	628,521	
520,000	635,146	630,421	
540,000	635,151	632,321	
560,000	636,379	634,222	
580,000	636,650	636,122	
600,000	636,945	638,022	
620,000	640,121	639,922	
640,000	640,449	641,823	
660,000	640,778	643,723	
680,000	644,944	645,623	
700,000	645,033	647,524	
720,000	645,291	649,424	
740,000	648,415	651,324	
760,000	650,000	653,224	
780,000	649,999	655,125	
800,000	651,590	657,025	
820,000	655,185	658,925	
840,000	658,801	660,825	
860,000	662,222	662,726	
880,000	664,652	664,626	
900,000	666,000	666,526	
920,000	667,000	668,426	
940,000	668,000	670,326	
960,000	669,000	672,226	
980,000	670,000	674,126	
1000,000	671,000	676,026	
1020,000	672,000	677,926	
1040,000	673,000	679,826	
1060,000	674,000	681,726	
1080,000	675,000	683,626	
1100,000	676,000	685,526	
1120,000	677,000	687,426	
1140,000	678,000	689,326	
1160,000	679,000	691,226	
1180,000	680,000	693,126	
1200,000	681,000	695,026	
1220,000	682,000	696,926	
1240,000	683,000	698,826	
1260,000	684,000	700,726	
1280,000	685,000	702,626	
1300,000	686,000	704,526	
1320,000	687,000	706,426	
1340,000	688,000	708,326	
1360,000	689,000	710,226	
1380,000	690,000	712,126	
1400,000	691,000	714,026	
1420,000	692,000	715,926	
1440,000	693,000	717,826	
1460,000	694,000	719,726	
1480,000	695,000	721,626	
1500,000	696,000	723,526	
1520,000	697,000	725,426	
1540,000	698,000	727,326	
1560,000	699,000	729,226	
1580,000	700,000	731,126	
1600,000	701,000	733,026	
1620,000	702,000	734,926	
1640,000	703,000	736,826	
1660,000	704,000	738,726	
1680,000	705,000	740,626	
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1760,000	709,000	748,226	
1780,000	710,000	750,126	
1800,000	711,000	752,026	
1820,000	712,000	753,926	
1840,000	713,000	755,826	
1860,000	714,000	757,726	
1880,000	715,000	759,626	
1900,000	716,000	761,526	
1920,000	717,000	763,426	
1940,000	718,000	765,326	
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1980,000	720,000	769,126	
2000,000	721,000	771,026	
2020,000	722,000	772,926	
2040,000	723,000	774,826	
2060,000	724,000	776,726	
2080,000	725,000	778,626	
2100,000	726,000	780,526	
2120,000	727,000	782,426	
2140,000	728,000	784,326	
2160,000	729,000	786,226	
2180,000	730,000	788,126	
2200,000	731,000	790,026	
2220,000	732,000	791,926	
2240,000	733,000	793,826	
2260,000	734,000	795,726	
2280,000	735,000	797,626	
2300,000	736,000	799,526	
2320,000	737,000	801,426	
2340,000	738,000	803,326	
2360,000	739,000	805,226	
2380,000	740,000	807,126	
2400,000	741,000	809,026	
2420,000	742,000	810,926	
2440,000	743,000	812,826	
2460,000	744,000	814,726	
2480,000	745,000	816,626	
2500,000	746,000	818,526	
2520,000	747,000	820,426	
2540,000	748,000	822,326	
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2680,000	755,000	835,626	
2700,000	756,000	837,526	
2720,000	757,000	839,426	
2740,000	758,000	841,326	
2760,000	759,000	843,226	
2780,000	760,000	845,126	
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2840,000	763,000	850,826	
2860,000	764,000	852,726	
2880,000	765,000	854,626	
2900,000	766,000	856,526	
2920,000	767,000	858,426	
2940,000	768,000	860,326	
2960,000	769,000	862,226	
2980,000	770,000	864,126	
3000,000	771,000	866,026	
3020,000	772,000	867,926	
3040,000	773,000	869,826	
3060,000	774,000	871,726	
3080,000	775,000	873,626	
3100,000	776,000	875,526	
3120,000	777,000	877,426	
3140,000	778,000	879,326	
3160,000	779,000	881,226	
3180,000	780,000	883,126	
3200,000	781,000	885,026	
3220,000	782,000	886,926	
3240,000	783,000	888,826	
3260,000	784,000	890,726	
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3380,000	790,000	902,126	
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3480,000	795,000	911,626	
3500,000	796,000	913,526	
3520,000	797,000	915,426	
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3860,000	814,000	947,726	
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3900,000	816,000	951,526	
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4140,000	828,000	974,326	
4160,000	829,000	976,226	
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4200,000	831,000	980,026	
4220,000	832,000	981,926	
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4260,000	834,000	985,726	
4280,000	835,000	987,626	
4300,000	836,000	989,526	
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4380,000	840,000	997,126	
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4680,000	855,000	1025,626	
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5080,000	875,000	1063,626	
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5280,000	885,000	1082,626	
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5580,000	900,000	1111,126	
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5620,000	902,000	1114,926	
5640,00			

PK=0+072,214  
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 B=0,000  
 TH=0,1103



GRADIENTES Y PENDIENTES		COTAS		DISTANCIAS ACUMULADAS KILOMETRAJE
		RASANTE	TERRENO	
0,922%		587,333	587,333	0+000
		587,518	590,000	20,000
		587,702	590,000	40,000
		587,887	590,000	60,000
		588,931	596,006	80,000
		591,323	599,467	100,000
		593,714	600,000	120,000
		596,106	600,000	140,000
		598,497	600,000	160,000
		600,889	600,953	180,000
		603,281	605,000	200,000
		605,672	606,430	220,000
		608,064	609,999	240,000
		610,456	615,015	260,000
		612,847	619,999	280,000
		615,239	624,999	300,000
		617,630	624,999	320,000
		620,022	625,616	340,000
		622,414	630,000	360,000
		624,805	631,664	380,000
	11,96%	627,197	635,744	400,000
		629,588	637,090	420,000
		631,980	638,519	440,000
		634,372	640,309	460,000
		636,763	640,604	480,000
		639,155	641,089	500,000
		641,547	644,999	520,000
		643,938	645,089	540,000
		646,330	648,202	560,000
		648,721	648,839	580,000
		651,113	649,999	600,000
		653,505	649,999	620,000
		655,896	653,156	640,000
		658,288	656,166	660,000
		660,680	660,314	680,000
		663,071	663,075	700,000
		665,000	716,130	0+700/716,130



EL INGENIERO AUTOR  
 JULIO RODRIGUEZ MARQUEZ  
 INGENIERO DE CAMINOS CC. Y PP.

ESCALAS  
 LINEA A-3  
 ORIGINALES

GRAFICAS

TERMINO MUNICIPAL  
 TEROR

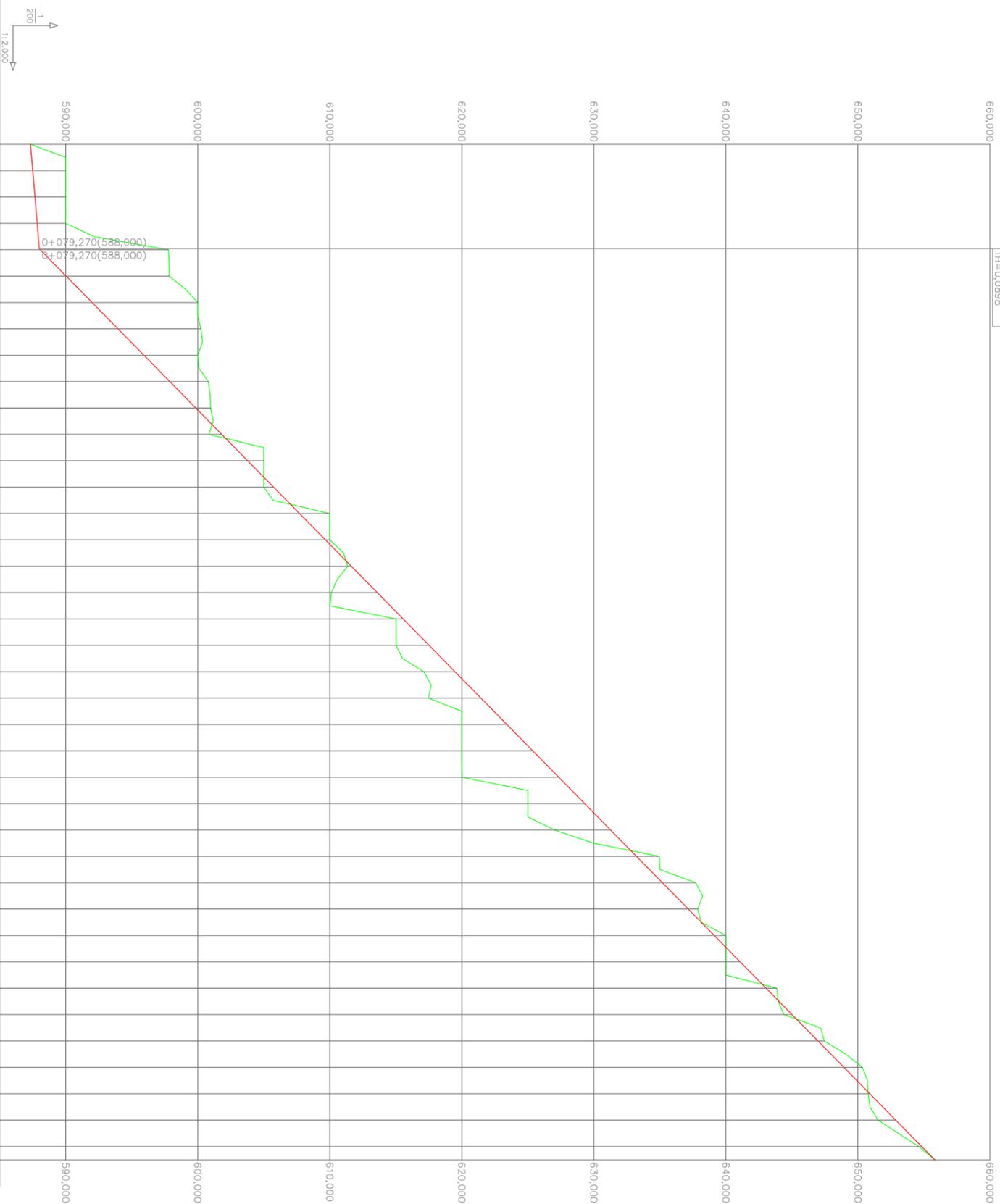
TITULO  
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 VARIANTE GC-21  
 A SU PASO POR EL T.M. DE TEROR

DESIGNACION  
 ALTERNATIVA 4

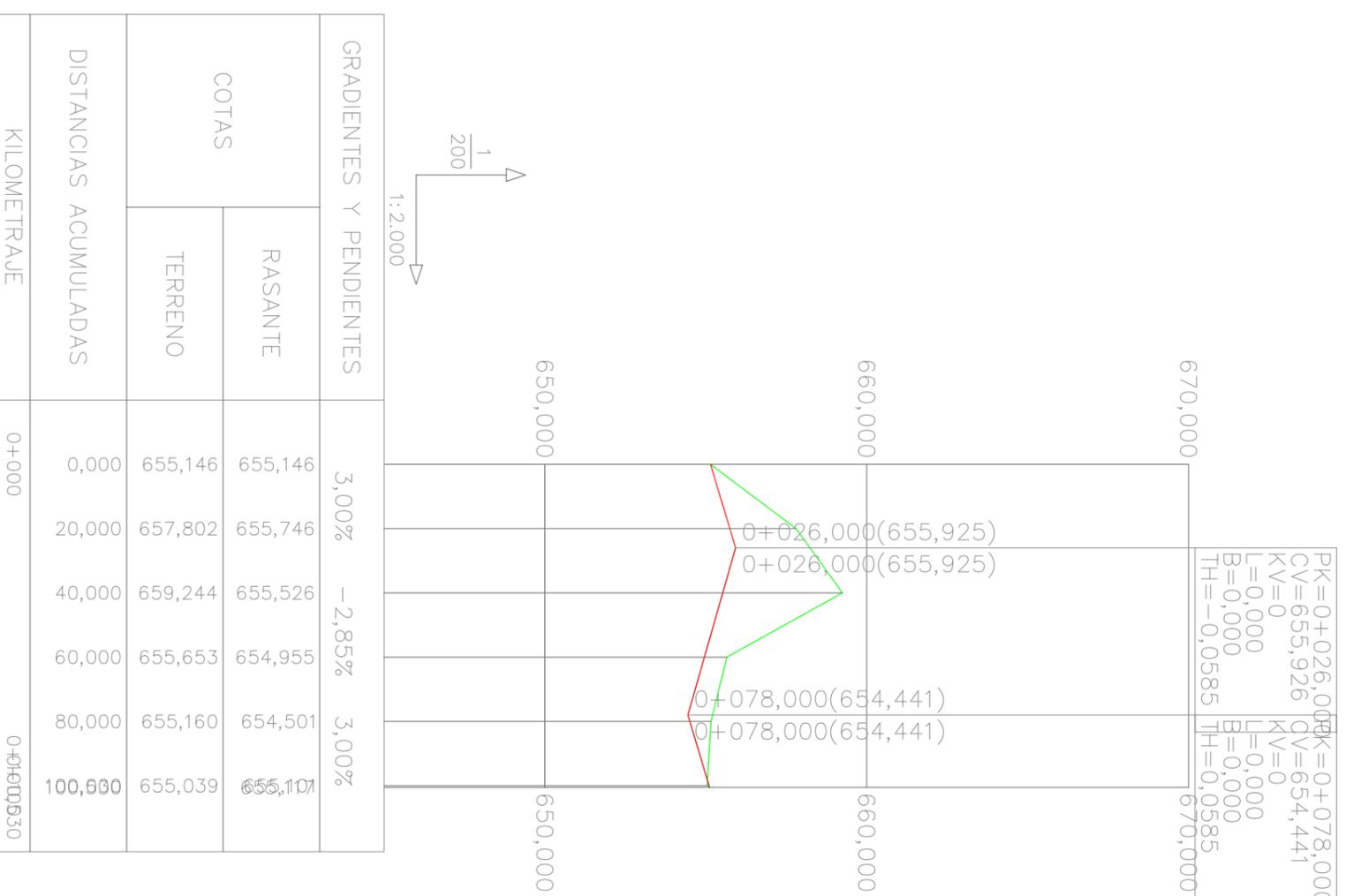
PLANO Nº

FECHA  
 DICIEMBRE 2010  
 HOJA.....DE.....

PK=0+079,270  
 KV=0,000  
 L=388,000  
 B=0,000  
 TH=0,08998



KILOMETRAJE	GRADIENTES Y PENDIENTES	
	RASANTE	TERRENO
0+000	587,333	587,333
20,000	590,000	587,501
40,000	590,000	587,670
60,000	590,000	587,838
80,000	597,775	588,072
100,000	597,838	590,035
120,000	600,000	591,999
140,000	600,235	593,962
160,000	600,000	595,926
180,000	600,800	597,889
200,000	600,969	599,853
220,000	600,845	601,816
240,000	605,000	603,780
260,000	605,000	605,743
280,000	609,999	607,707
300,000	609,999	609,670
320,000	611,357	611,634
340,000	610,125	613,597
360,000	615,015	615,561
380,000	615,015	617,524
400,000	617,130	619,488
420,000	617,477	621,452
440,000	619,999	623,415
460,000	619,999	625,379
480,000	620,039	627,342
500,000	624,999	629,306
520,000	627,015	631,269
540,000	634,961	633,233
560,000	637,722	635,196
580,000	637,864	637,160
600,000	639,999	639,123
620,000	639,999	641,087
640,000	643,852	643,050
660,000	644,377	645,014
680,000	647,462	646,977
700,000	650,335	648,941
720,000	650,780	650,904
740,000	651,527	652,868
760,000	654,614	654,831
770,191		655,832



COTAS	GRADIENTES Y PENDIENTES	
	RASANTE	TERRENO
0,000	655,146	655,146
20,000	657,802	655,746
40,000	659,244	655,526
60,000	655,653	654,955
80,000	655,160	654,501
100,000	655,039	655,107

DISTANCIAS ACUMULADAS	GRADIENTES Y PENDIENTES
0,000	3,00%
20,000	-2,85%
40,000	3,00%
60,000	
80,000	
100,000	

KILOMETRAJE	DISTANCIAS ACUMULADAS
0+000	0,000
0+100,000	100,000