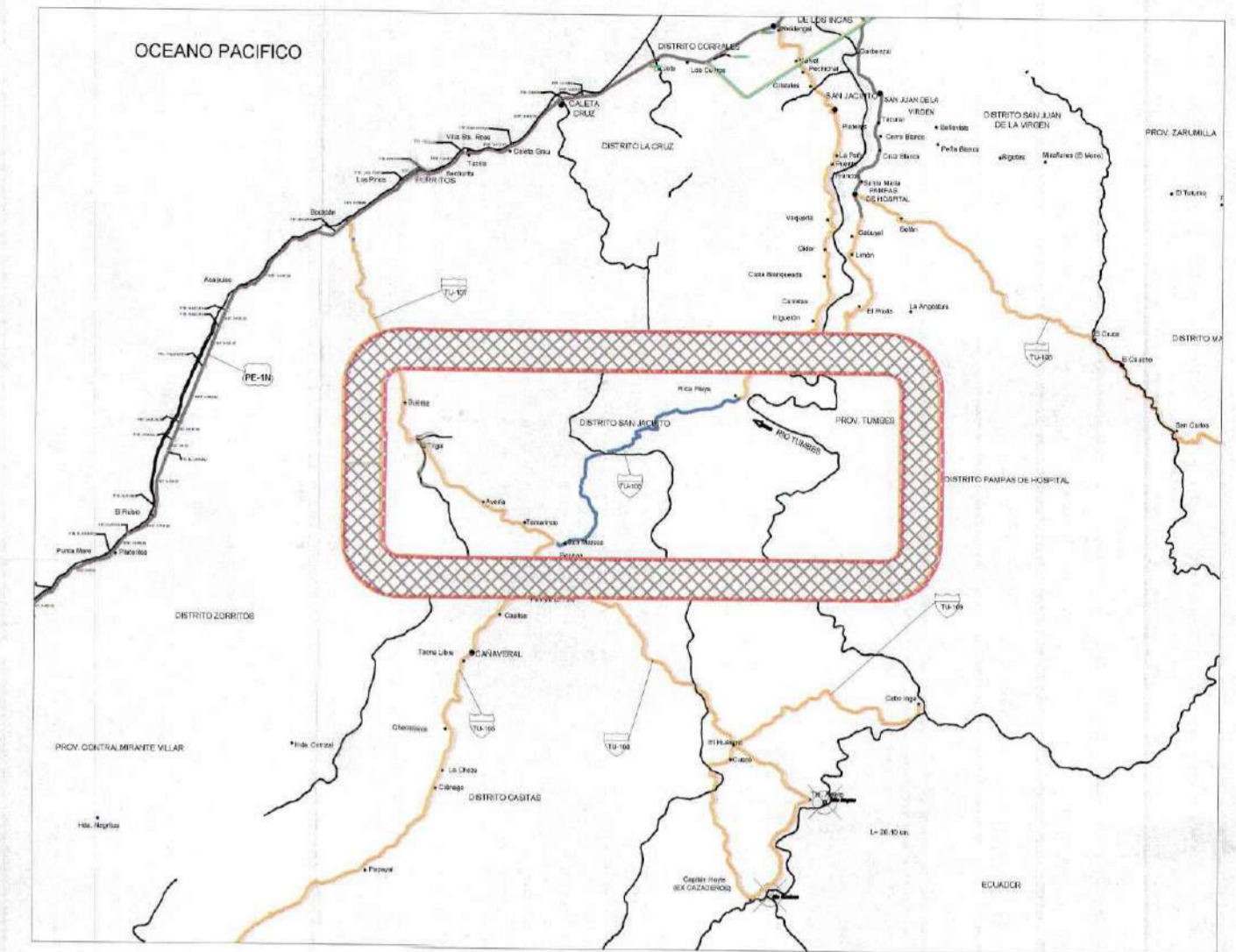
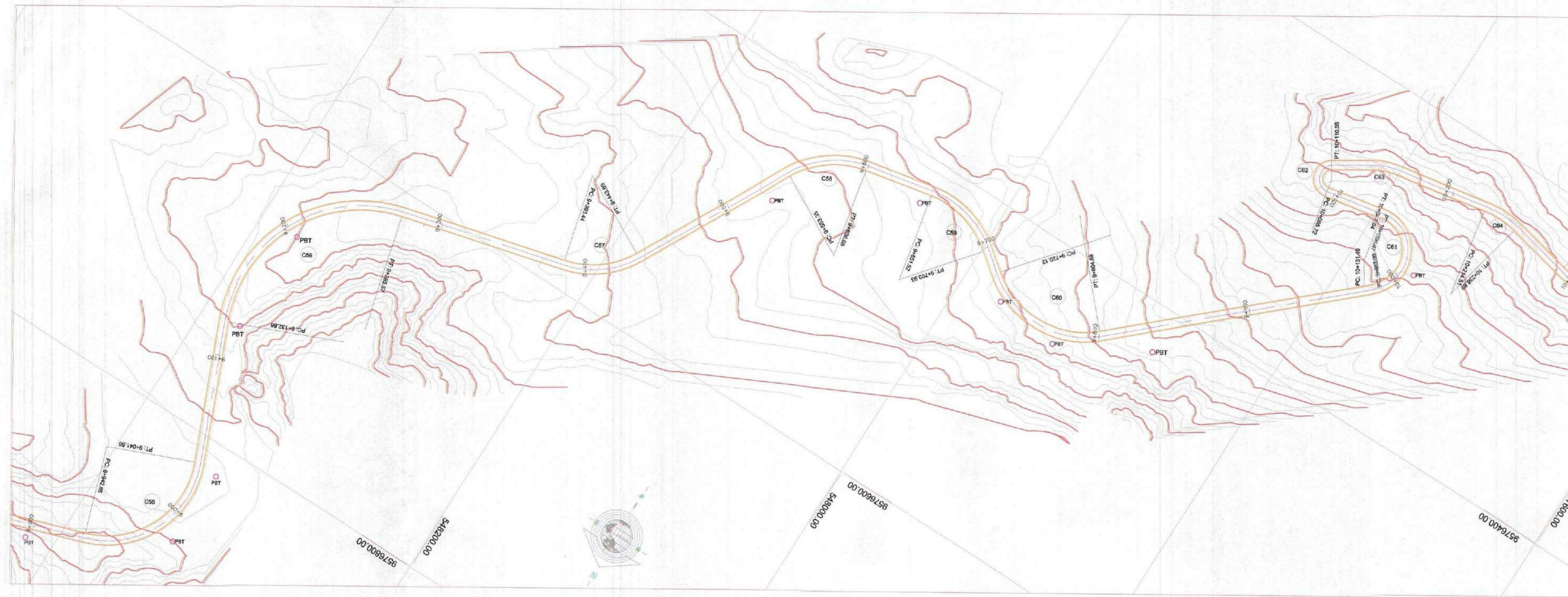


PLANO EN PLANTA

ESCALA=1/2000

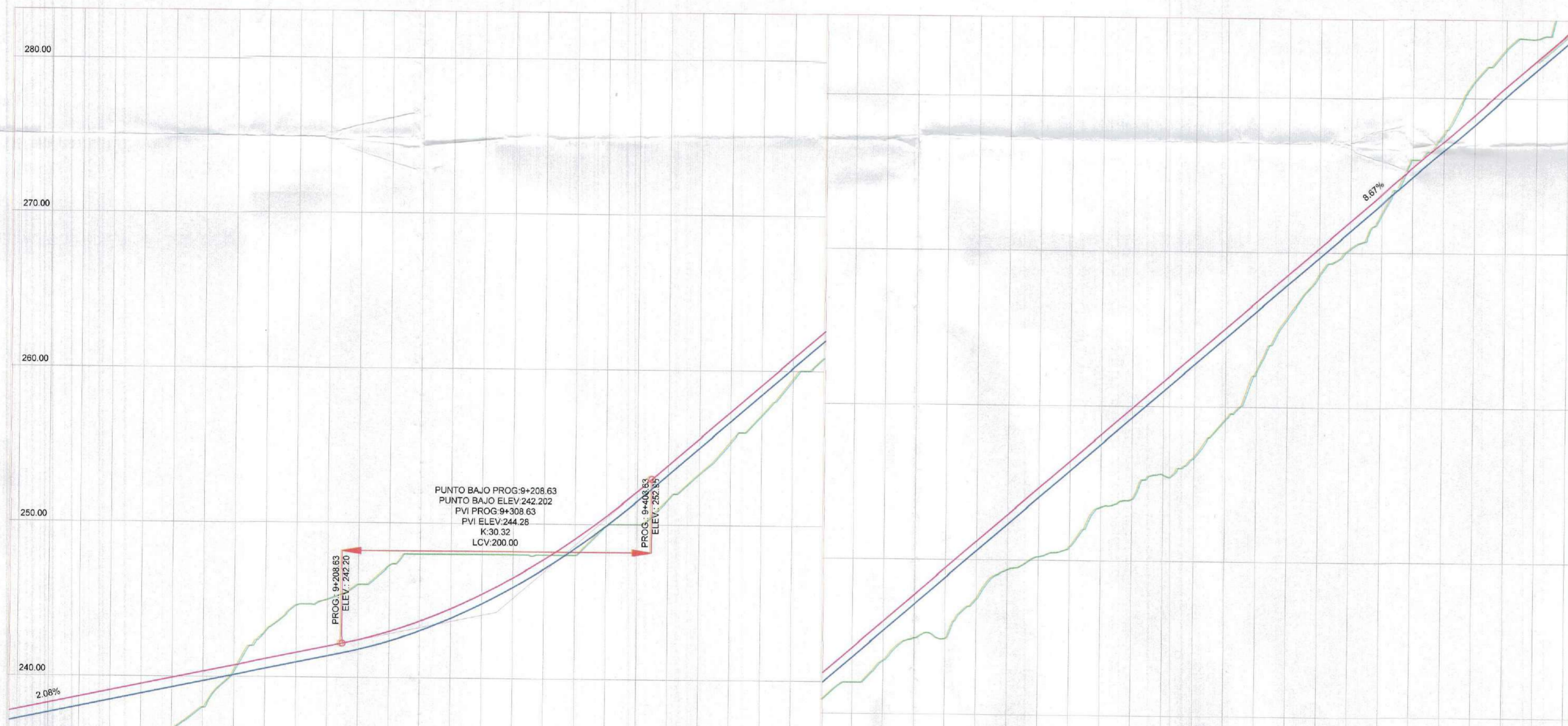


UBICACIÓN

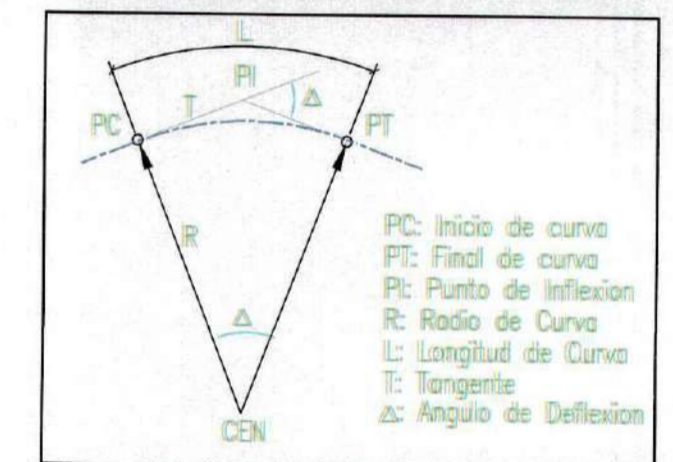
ESC.: 1/20000

LEYENDA

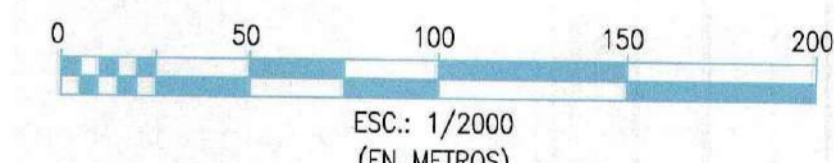
PC	Punto de comienzo
PI	punto de intersección
PT	Punto de termino
	Curva de Nivel
	B.M.
(CN*)	Numero de curva



ELEMENTOS DE CURVA CIRCULAR



Nº	ANGULO	R	T	L	C	E	P	Sa	LONGITUD DE TRANSICION
00.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
01.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
02.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
03.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
04.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
05.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
06.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
07.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
08.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
09.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
10.00	15.00	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00



ALTIMETRIA	COTA			PENDIENTE	ALINEAMIENTO
	PROGRESIVAS	TERRENO	RASANTE		
5.05	237.24	237.87	232.19	2.08%	0.00
7.06	237.66	232.26	230.60	2.08%	6.70
8.81	238.07	232.70	231.27	2.08%	
5.72	238.49	233.11	232.77	2.08%	
4.04	238.91	233.53	234.87	2.08%	
2.73	239.32	233.95	235.99	2.08%	
1.74	239.74	234.36	238.00	2.08%	
0.34	240.15	240.78	240.48	2.08%	
2.42	240.57	241.19	242.98	2.08%	
3.86	240.98	241.61	244.65	2.08%	
3.65	241.40	242.02	246.04	2.08%	
4.17	241.83	242.46	246.00	2.08%	
4.90	242.25	243.02	247.29	2.08%	
4.82	242.68	243.70	248.00	2.08%	
4.10	243.10	244.52	248.00	2.08%	
3.15	243.50	245.48	248.00	2.08%	
2.08	243.90	246.56	248.00	2.08%	
0.88	244.30	247.78	248.00	2.08%	
0.50	244.70	249.12	248.00	2.08%	
0.05	245.10	250.50	248.00	2.08%	
1.59	245.50	252.00	250.00	2.08%	
1.62	245.90	253.50	251.70	2.08%	
1.72	246.30	255.00	253.32	2.08%	
1.36	246.70	256.50	255.42	2.08%	
1.35	247.10	258.00	257.17	2.08%	
0.77	247.50	259.50	258.46	2.08%	
1.11	247.90	261.00	260.87	2.08%	
1.72	248.30	262.50	262.00	2.08%	
1.99	248.70	264.00	263.46	2.08%	
2.28	249.10	265.50	265.00	2.08%	
4.01	249.50	267.00	266.51	2.08%	
3.14	249.90	268.50	268.00	2.08%	
3.01	250.30	270.00	269.50	2.08%	
3.50	250.70	271.50	271.00	2.08%	
4.95	251.10	273.00	272.50	2.08%	
4.14	251.50	274.50	274.00	2.08%	
5.33	251.90	276.00	275.50	2.08%	
5.63	252.30	277.50	276.76	2.08%	
6.04	252.70	279.00	277.76	2.08%	
5.31	253.10	280.50	278.50	2.08%	
3.86	253.50	282.00	279.22	2.08%	
2.15	253.90	283.50	280.00	2.08%	
1.13	254.30	285.00	280.74	2.08%	
1.17	254.70	286.50	281.50	2.08%	
0.87	255.10	288.00	282.24	2.08%	
1.08	255.50	289.50	283.00	2.08%	
1.12	255.90	291.00	283.76	2.08%	
2.72	256.30	292.50	284.50	2.08%	
3.03	256.70	294.00	285.24	2.08%	
1.84	257.10	295.50	286.00	2.08%	
3.35	257.50	297.00	286.76	2.08%	

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

GOBIERNO REGIONAL TUMBES

GOBIERNO REGIONAL GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional: ING. WILMER DIOS BENITES
Gerencia General: ING. WILMER CORDOVA LOPEZ
Asesor Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE

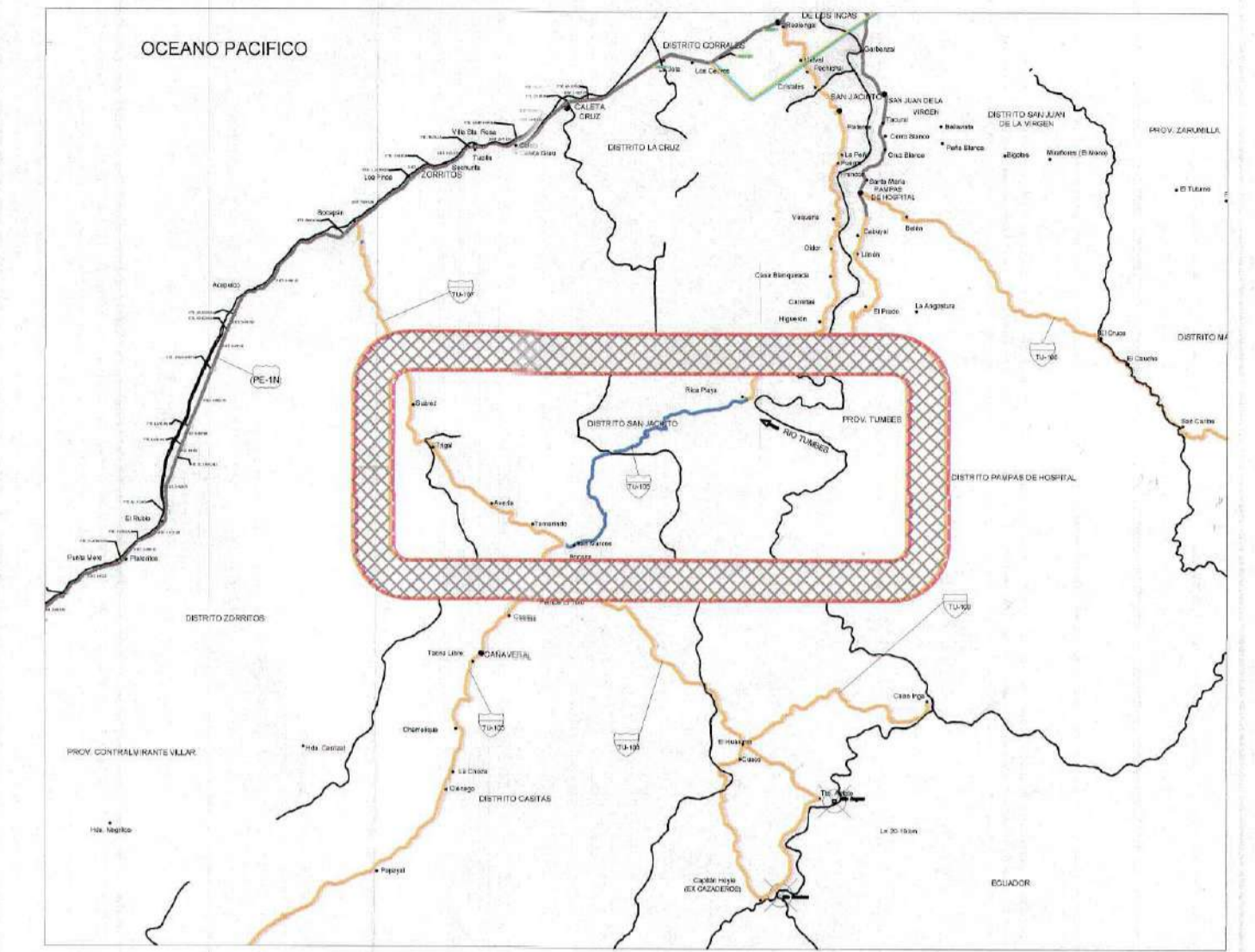
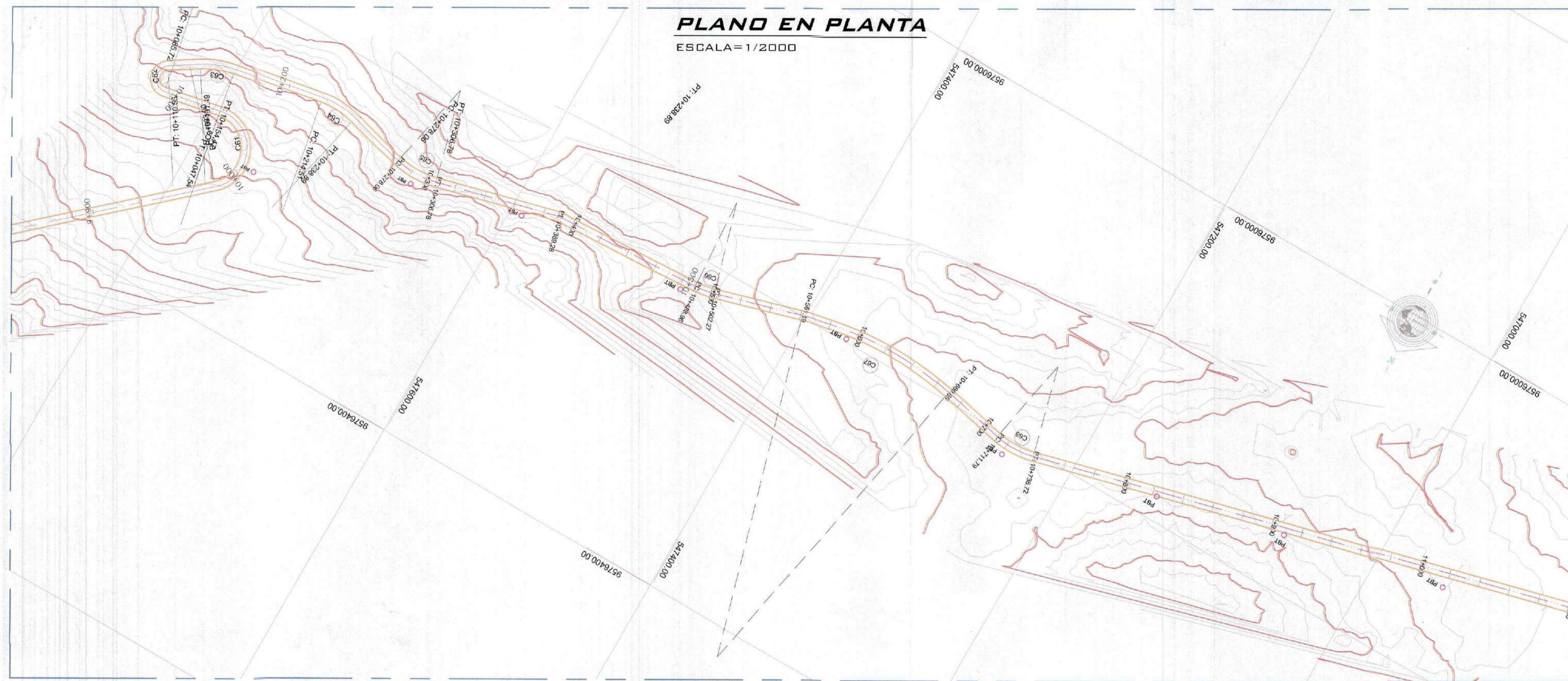
Proyecto: "REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

Plano: **PLANTA PERFIL LONGITUDINAL**
Prog: 9+000 - 10+000

DATUM: DATUM WUG 84
Topografía: TUMBES
Departamento: TUMBES
Provincia: SAN JACINTO
Distrito: CASITAS

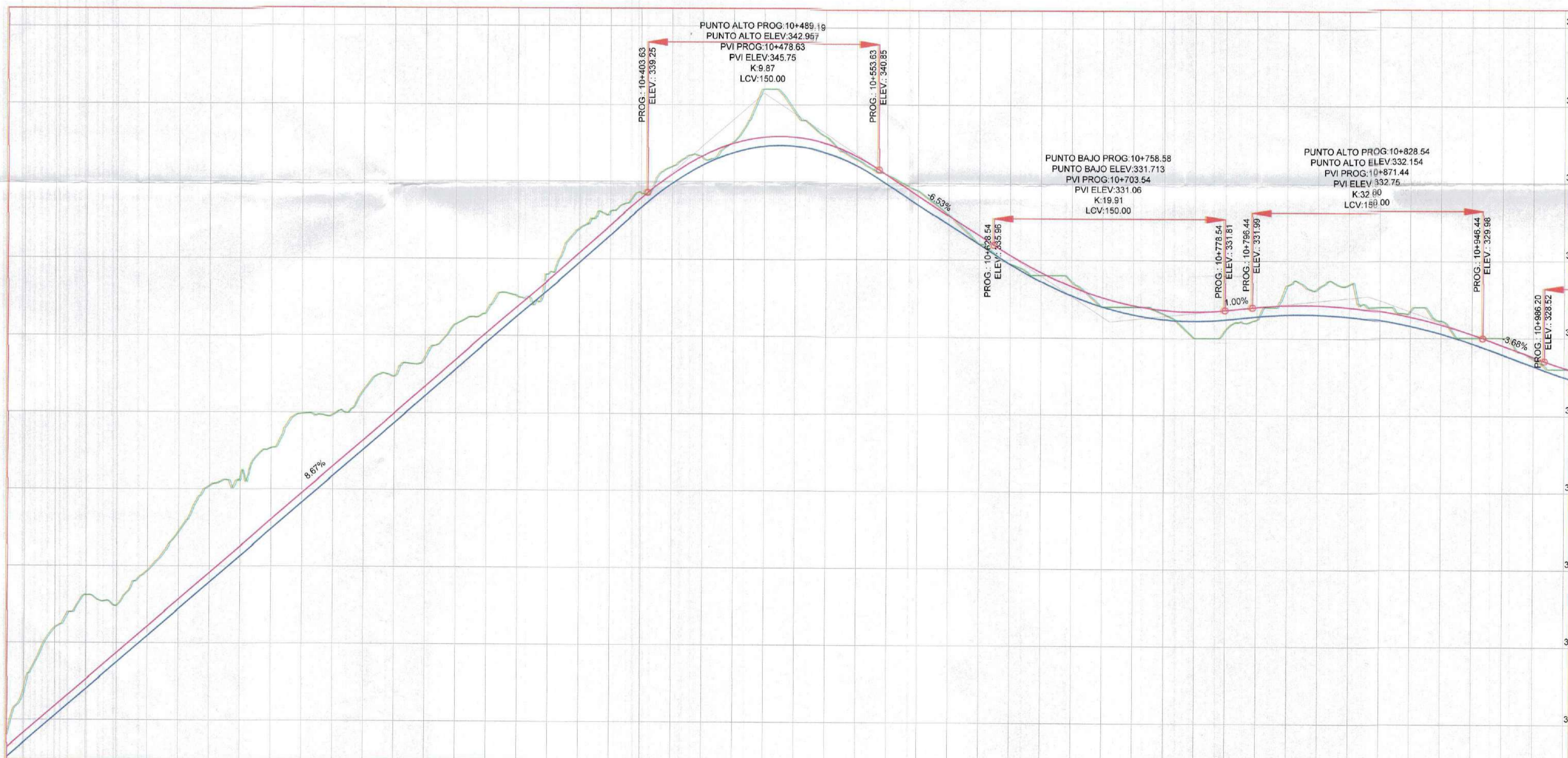
Proyectado: ERICK F. LEON HEREDIA
Escala: INDICADA
Fecha: 2023

Diseño Civil: ERICK F. LEON HEREDIA
Lamina N°: P.PL-21

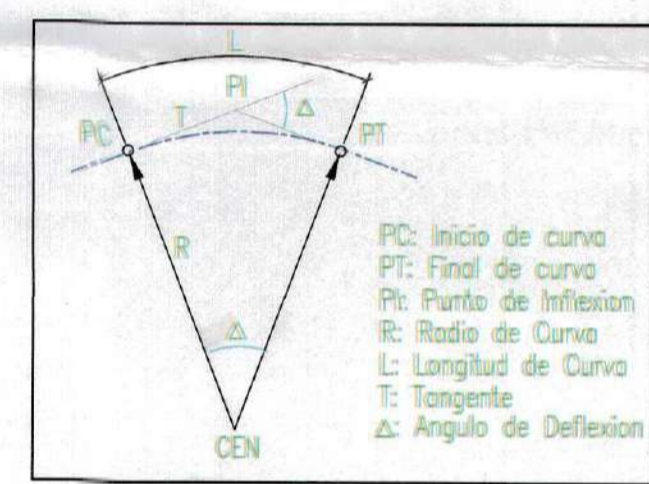


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN	Numero de curva



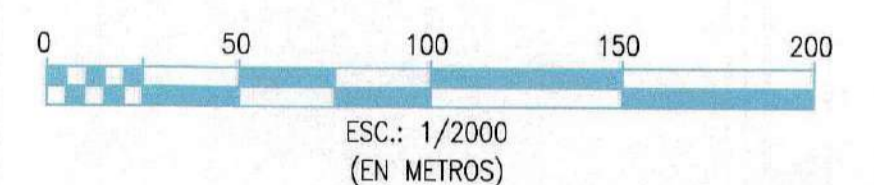
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 92

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINISTR. DOCUMENTARIA
FOLIO N° 92

N°	PROG.	GRA.	MAN.	SEG.	R	T	L	C	E	F	P	SI	LONGITUD DE TRANSICION	
					m	m	m	m	m	m	m		L1	L2
01.00	148.00	45.00	43.00	23.85	88.84	84.53	47.87	67.46	10.18	28.03	1.30	5.00	70.00	73.00
02.00	198.00	20.00	21.00	1.17	47.82	24.84	17.65	39.48	7.21	78.02	2.32	5.00	180.00	200.00
03.00	21.00	95.00	30.00	80.00	11.63	22.98	22.84	1.72	11.46	9.90	5.00	5.00	28.73	33.73
04.00	23.00	17.00	15.00	80.00	12.08	24.38	24.72	1.76	1.23	11.46	9.90	5.00	28.73	33.73
05.00	22.00	25.00	47.00	65.00	14.84	28.72	29.45	1.70	1.73	11.46	9.90	5.00	28.73	33.73
06.00	12.00	42.00	28.00	50.00	6.88	13.31	13.38	0.37	0.37	11.46	9.90	5.00	28.73	33.73
07.00	12.00	12.00	37.00	228.00	55.29	139.48	197.42	5.84	18.48	2.38	0.43	7.00	10.00	17.00
08.00	25.00	42.00	38.00	65.00	13.70	26.93	26.70	1.54	1.50	11.46	9.90	5.00	28.73	33.73



ESC.: 1/2000
(EN METROS)

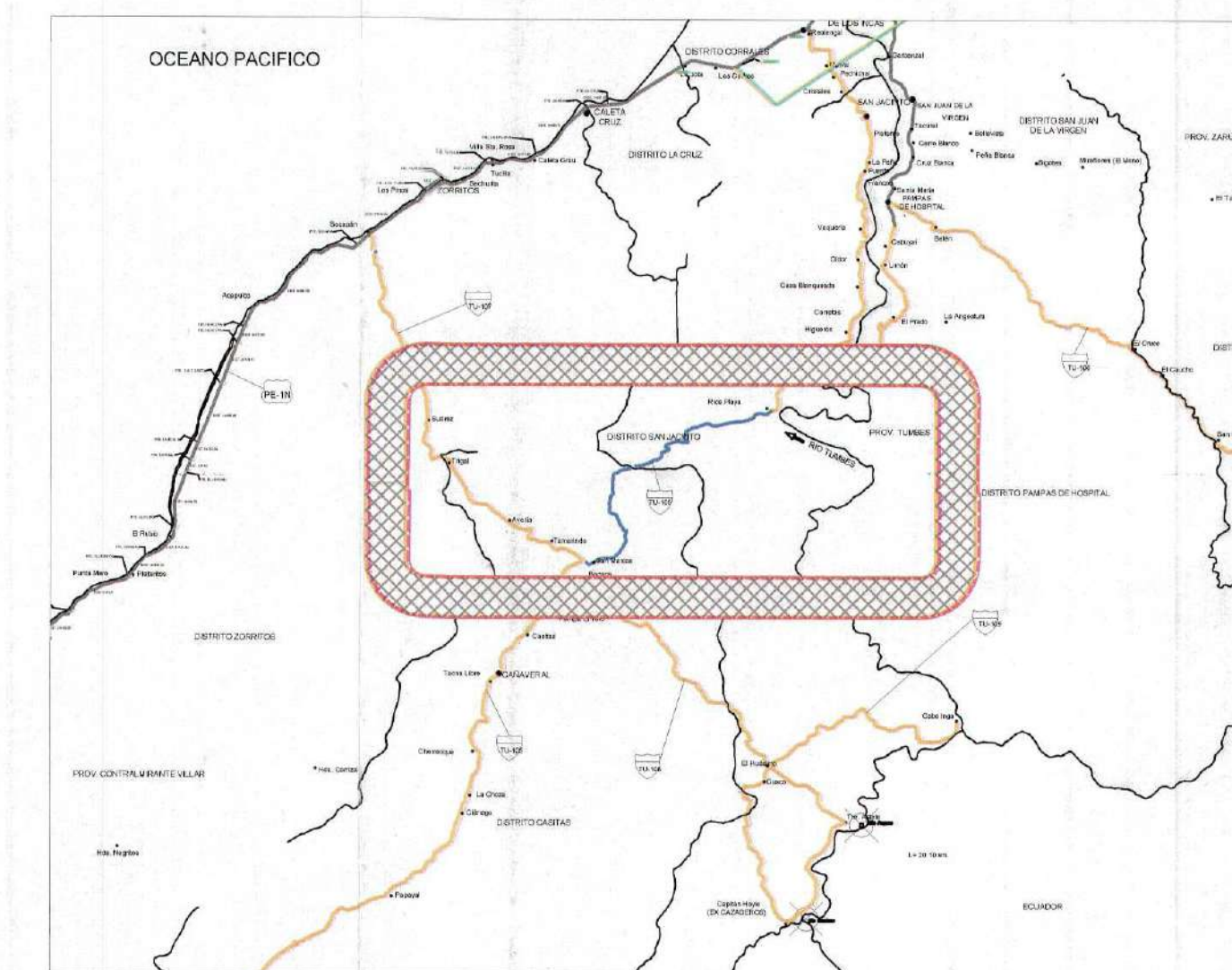
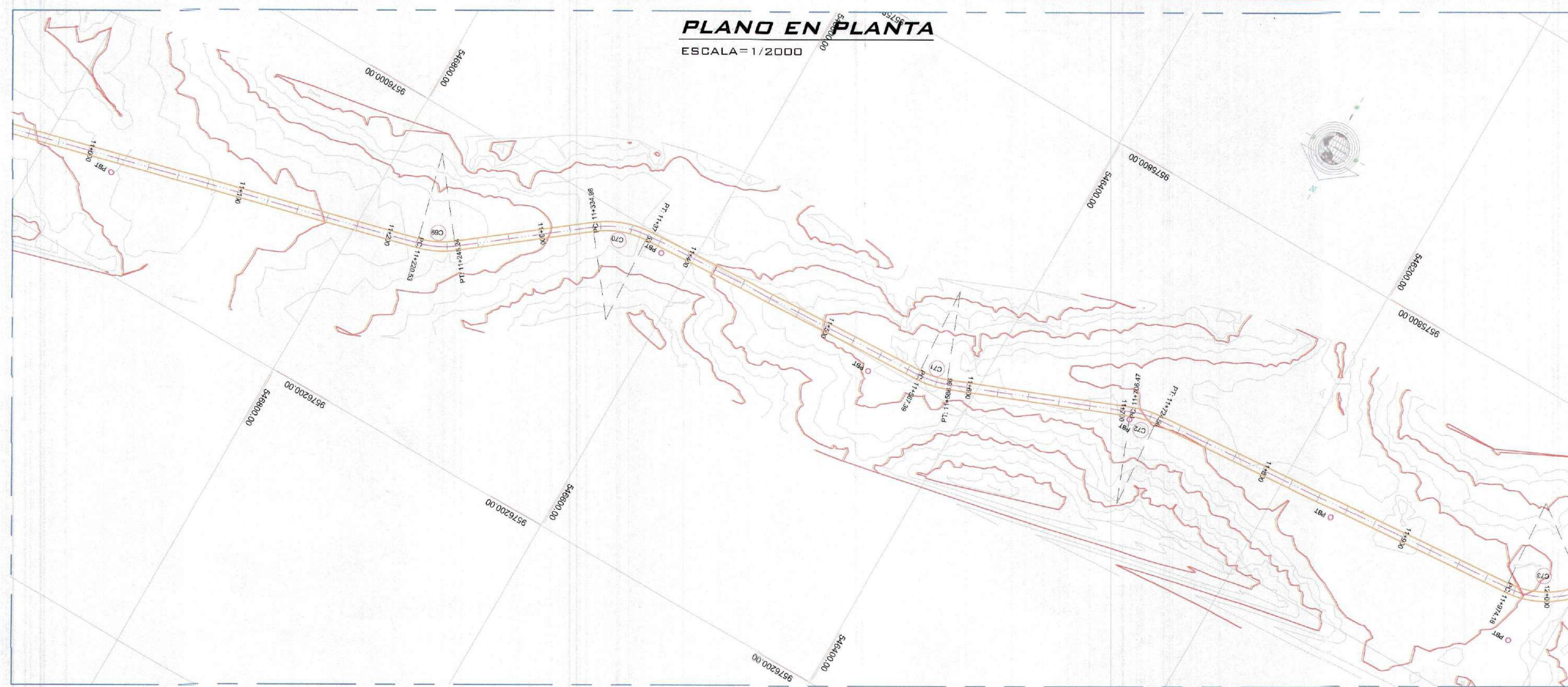
PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

PROGRESIVAS	COTA DE TERRENO	CORTE	ALTIMETRIA	PENDIENTE	ALINEAMIENTO
1.04	301.88	302.51	303.82	8.67%	R=24.85 L=64.54
3.98	303.52	304.24	307.18	8.67%	R=8.97 L=24.83
5.67	305.35	305.98	311.02	8.67%	R=60.00 L=22.98
6.01	307.08	307.71	313.08	8.67%	R=60.00 L=24.39
3.64	308.82	309.44	312.46	8.67%	R=60.00 L=28.72
4.18	310.55	311.18	314.73	8.67%	R=60.00 L=13.31
4.98	312.25	312.91	317.26	8.67%	R=226.93 L=106.45
6.21	314.02	314.85	320.23	8.67%	R=60.00 L=26.93
5.18	315.78	316.38	320.91	8.67%	
5.20	317.49	318.12	322.70	8.67%	
5.70	319.23	319.85	324.53	8.67%	
3.93	320.95	321.59	324.88	8.67%	
3.80	322.70	323.32	326.50	8.67%	
2.84	324.43	325.05	327.38	8.67%	
2.45	326.17	326.79	328.62	8.67%	
2.85	327.90	328.52	330.75	8.67%	
2.04	329.64	330.26	331.67	8.67%	
1.16	331.37	331.99	332.53	8.67%	
0.95	333.11	333.73	334.06	8.67%	
2.10	334.84	335.46	336.94	8.67%	
1.43	336.57	337.20	338.01	8.67%	
0.87	338.31	338.93	339.18	8.67%	
1.07	339.91	340.53	340.88	8.67%	
0.38	341.12	341.73	341.50	8.67%	
0.68	341.91	342.53	342.60	8.67%	
3.69	342.31	342.91	346.00	8.67%	
2.17	342.30	342.90	344.47	8.67%	
0.59	341.68	342.46	342.87	8.67%	
0.42	341.05	341.85	341.47	8.67%	
0.64	339.84	340.44	340.48	8.67%	
0.93	338.54	339.13	339.46	8.67%	
0.65	337.23	337.82	337.88	8.67%	
0.07	335.93	336.52	336.00	8.67%	
0.06	334.65	335.24	334.71	8.67%	
0.44	333.36	333.95	334.00	8.67%	
0.87	332.07	332.66	333.54	8.67%	
0.02	331.96	332.56	332.00	8.67%	
0.51	331.48	332.08	332.00	8.67%	
0.31	331.20	331.80	331.81	8.67%	
331.11	331.71	330.00	10+760.00		
331.22	331.85	330.00	10+780.00		
331.42	332.00	331.21	10+800.00		
1.69	331.54	332.14	333.43	8.67%	
1.74	331.53	332.13	333.27	8.67%	
2.09	331.40	332.00	333.46	8.67%	
0.86	331.14	331.74	332.00	8.67%	
1.06	330.76	331.36	331.81	8.67%	
0.86	330.25	330.86	331.11	8.67%	
0.59	329.61	330.21	330.00	8.67%	
1.12	328.88	329.48	330.00	8.67%	
0.46	328.15	328.75	328.61	8.67%	
0.54	327.48	328.08	328.00	8.67%	

GOBIERNO REGIONAL TUMBES

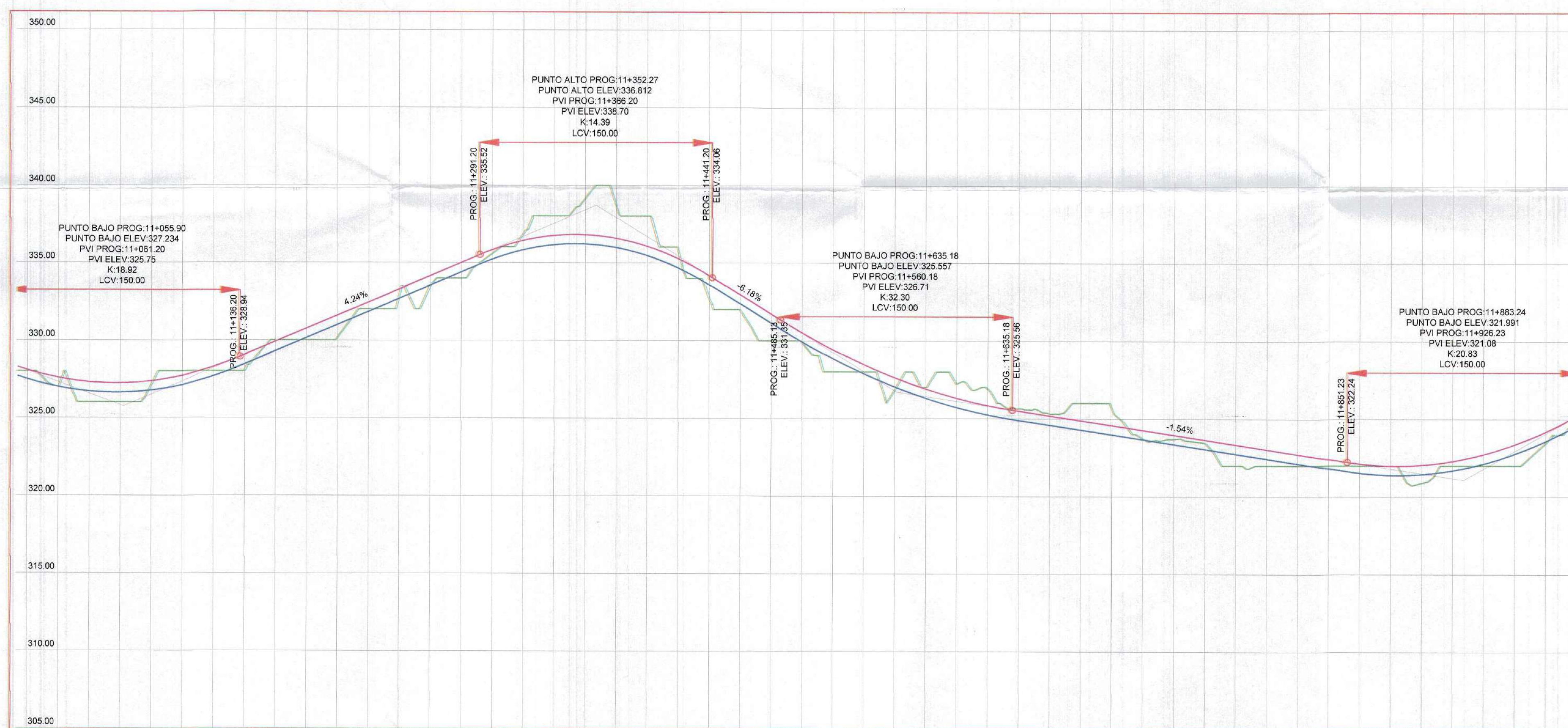
GERENCIA REGIONAL DE INFRAESTRUCTURA

<p>Proyecto: "REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"</p> <p>Plan: PLANTA PERFIL LONGITUDINAL Prog: 10+000 - 11+000</p> <p>Fecha: _____</p> <p>Escala: _____</p> <p>Indicada: _____</p> <p>Provincia: TUMBES</p> <p>DATUM: DATUM WUG 84</p>	<p>Presidencia Regional: ING. WILMER DIOS BENITES</p> <p>Gerencia General: DR. HAROLD BURGOS HERRERA</p> <p>Gerencia de Estudios: ING. WILMER CORDOVA LOPEZ</p> <p>Aprobado por Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE</p> <p>Proyectista: ERICK F. LEON HEREDIA</p> <p>Indicada: ERICK F. LEON HEREDIA</p> <p>Provincia: TUMBES</p> <p>DISTRICTO: SAN JACINTO CASITAS</p> <p>Hoja: _____</p> <p>Lamina: P.PL-22</p>
--	--

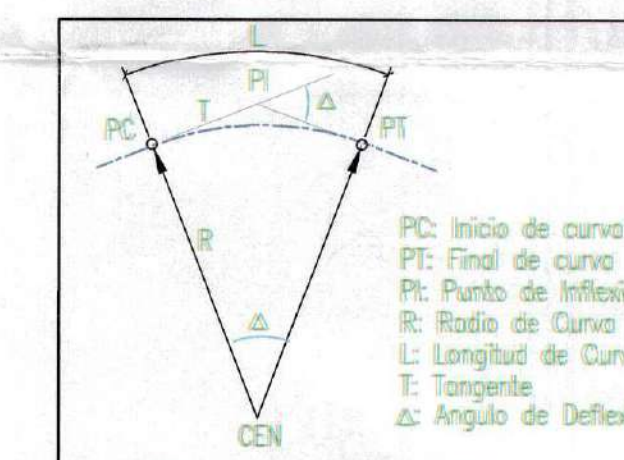


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN	Numero de curva



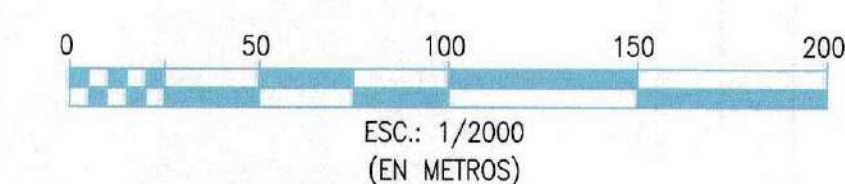
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 031

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINI. DOCUMENTARIA
FOLIO N° 91

N°	ANGULO I	R	T	Lc	C	E	F	P	SA	LONGITUD DE TRANSICION
GR	MIN	SEG	m	m	m	m	m	m	m	Ls
60.00	29.60	26.00	47.00	90.00	19.90	24.74	24.54	3.26	1.57	11.49
75.00	34.90	34.00	2.00	85.00	15.80	26.50	35.50	3.89	2.79	11.49
75.00	18.00	35.00	11.00	50.00	30.00	18.40	10.00	3.00	0.79	11.49
75.00	17.00	35.00	25.00	60.00	31.11	18.00	10.00	3.00	0.68	11.49
75.00	48.00	38.00	58.00	80.00	27.34	11.31	46.76	3.84	5.43	11.49



PROGRESIVAS	COTA DE TERRENO	CORTE	ALTURA	PENDIENTE	ALINEAMIENTO
11+000.00	326.06	RASANTE	0.54	S=4.24% L=154.99	R=60.00 L=24.71
11+020.00	326.99	SUB-RASANTE	0.02		
11+040.00	326.00		3.06	LCV=150.00	R=60.00 L=36.55
11+060.00	326.00		3.06		
11+080.00	327.21		0.43	LCV=150.00	R=60.00 L=19.46
11+100.00	327.75		0.86		
11+120.00	328.00		0.29	S=-6.18% L=43.99	R=60.00 L=18.09
11+140.00	328.09		3.28		
11+160.00	329.95		0.67	LCV=150.00	R=60.00 L=18.09
11+180.00	330.00		3.30		
11+200.00	330.22		3.31	LCV=150.00	R=60.00 L=18.09
11+220.00	332.48		0.12		
11+240.00	333.07		0.34	LCV=150.00	R=60.00 L=18.09
11+260.00	335.19		3.33		
11+280.00	334.00		3.54	LCV=150.00	R=60.00 L=18.09
11+300.00	335.61		0.36		
11+320.00	336.04		1.10	LCV=150.00	R=60.00 L=18.09
11+340.00	336.94		1.85		
11+360.00	338.76		3.03	LCV=150.00	R=60.00 L=18.09
11+380.00	339.19		2.56		
11+400.00	339.51		2.58	LCV=150.00	R=60.00 L=18.09
11+420.00	339.22		0.93		
11+440.00	332.55		3.33	LCV=150.00	R=60.00 L=18.09
11+460.00	332.60		3.32		
11+480.00	331.67		3.31	LCV=150.00	R=60.00 L=18.09
11+500.00	329.81		3.29		
11+520.00	328.00		3.28	LCV=150.00	R=60.00 L=18.09
11+540.00	328.42		0.17		
11+560.00	325.18		3.26	LCV=150.00	R=60.00 L=18.09
11+580.00	325.93		0.71		
11+600.00	325.55		1.54	LCV=150.00	R=60.00 L=18.09
11+620.00	325.29		1.62		
11+640.00	325.64		0.76	LCV=150.00	R=60.00 L=18.09
11+660.00	325.30		0.73		
11+680.00	324.87		1.73	LCV=150.00	R=60.00 L=18.09
11+700.00	324.96		1.59		
11+720.00	323.66		0.03	LCV=150.00	R=60.00 L=18.09
11+740.00	323.25		0.35		
11+760.00	323.95		0.37	LCV=150.00	R=60.00 L=18.09
11+780.00	323.84		3.22		
11+800.00	323.33		3.22	LCV=150.00	R=60.00 L=18.09
11+820.00	323.02		3.22		
11+840.00	322.72		3.22	LCV=150.00	R=60.00 L=18.09
11+860.00	322.41		0.19		
11+880.00	322.12		0.48	LCV=150.00	R=60.00 L=18.09
11+900.00	321.99		0.61		
11+920.00	322.06		3.21	LCV=150.00	R=60.00 L=18.09
11+940.00	322.32		0.29		
11+960.00	322.76		3.22	LCV=150.00	R=60.00 L=18.09
11+980.00	322.41		3.22		
12+000.00	324.24		0.45		

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000



GOBIERNO REGIONAL TUMBES

GOBIERNO REGIONAL
GERENCIA REGIONAL DE INFRAESTRUCTURA

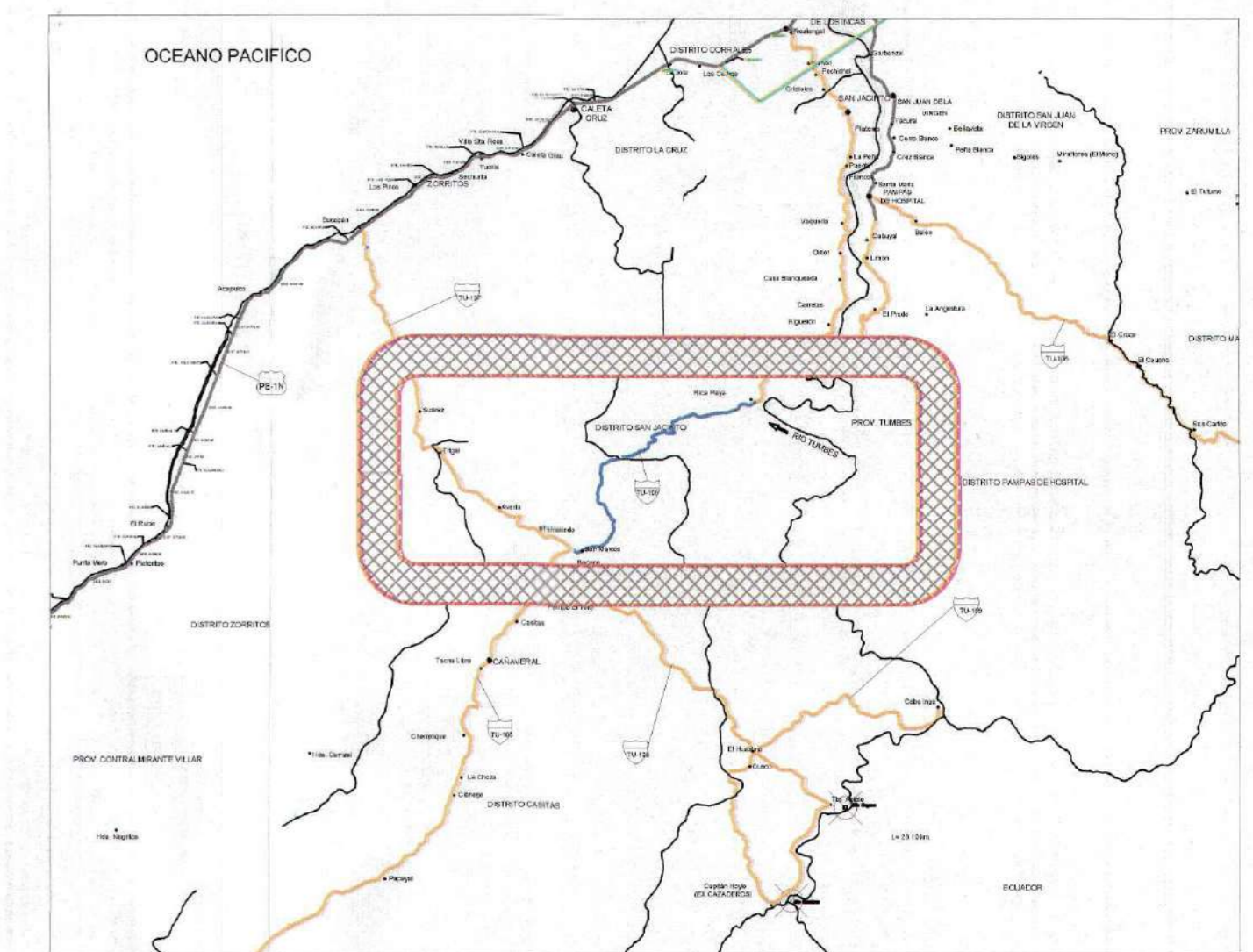
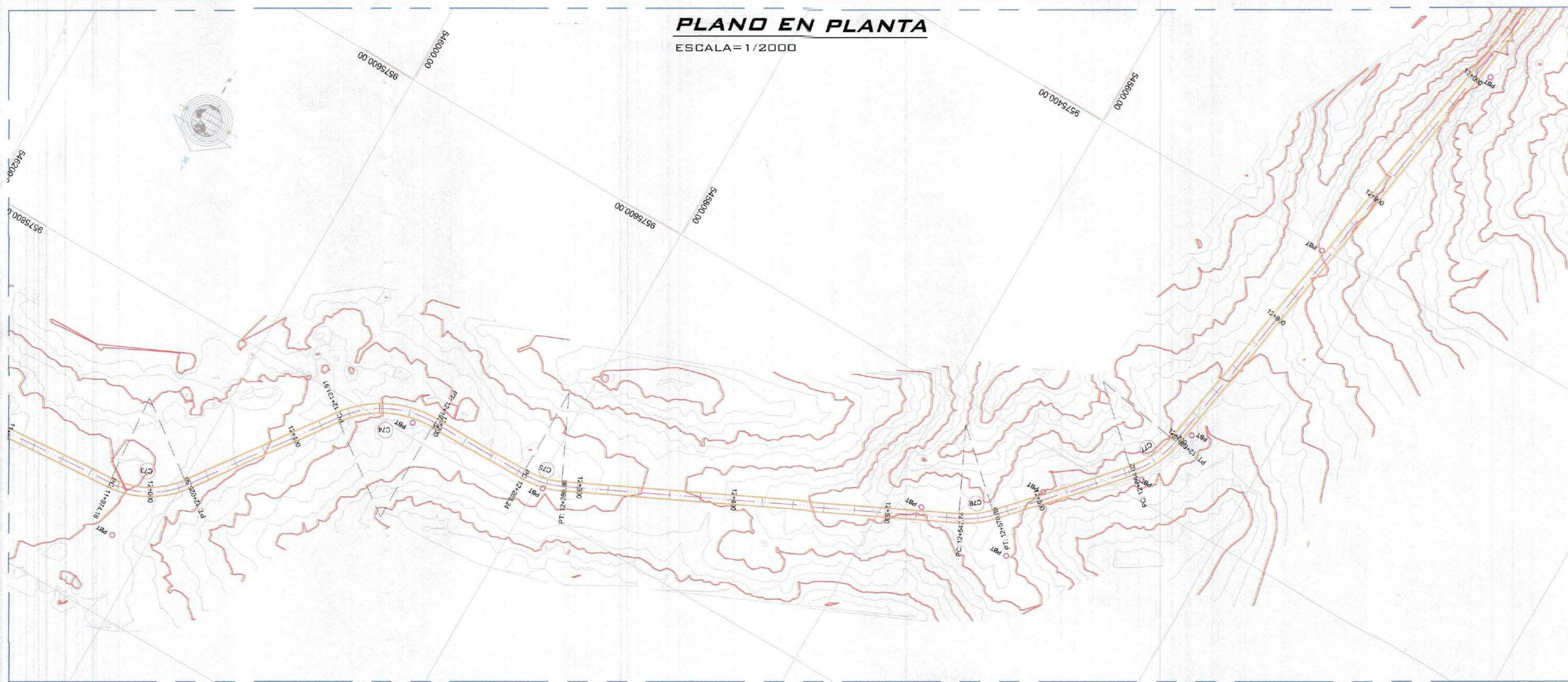
Presidente Regional: **ING. WILMER DIOS BENITES**
Gerencia General: **DR. HAROLD BURGOS HERRERA**

Proyecto: **'REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS'**
Aprobado por Gerencia de Estudios: **ING. FREDY R. SALAZAR CHONATE**

Plan: **PLANTA PERFIL LONGITUDINAL Prog: 11+000 - 12+000**

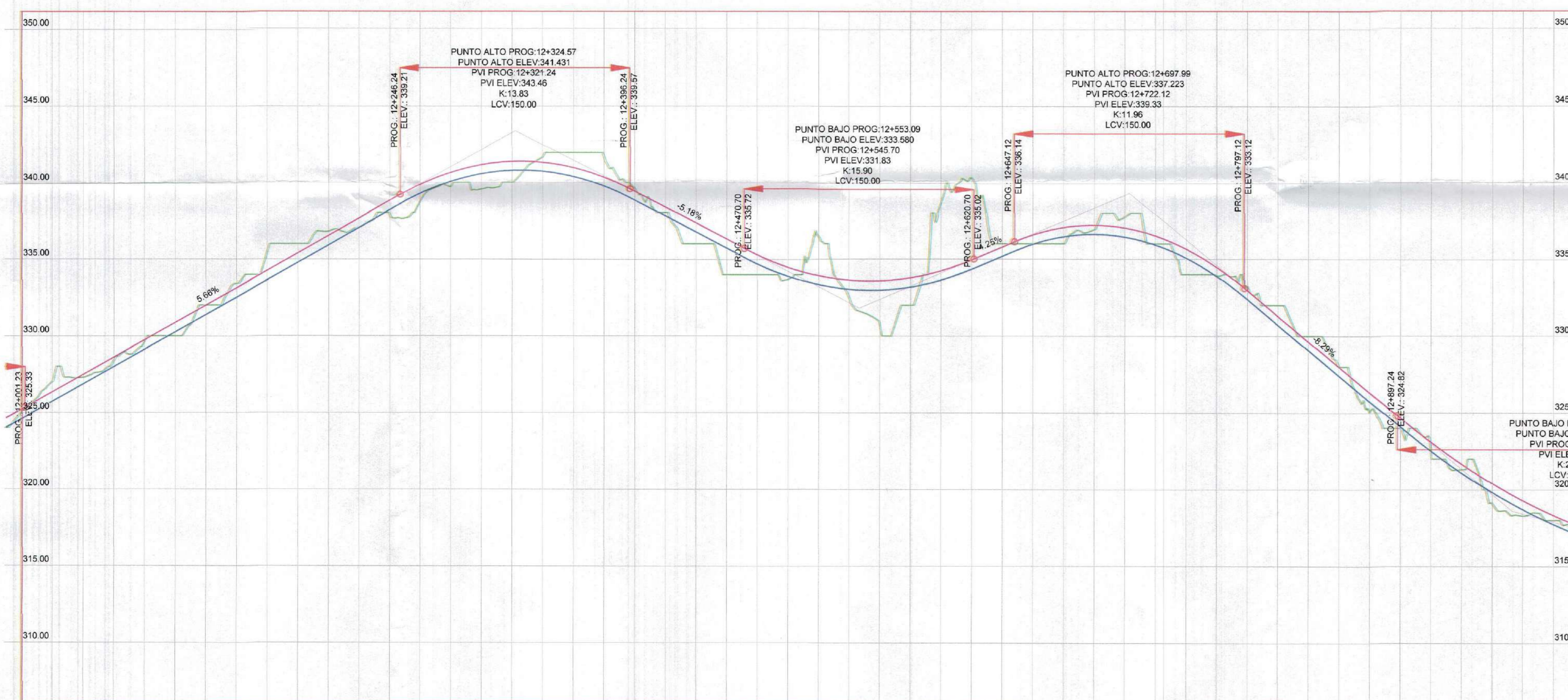
DATUM: **DATUM WUG 84** Topografía: **TUMBES** Departamento: **TUMBES** Provincia: **TUMBES** Distrito: **SAN JACINTO CASITAS**

Diseño: **ING. FREDY R. SALAZAR CHONATE**
Escala: **INDICADA**
Lamina N°: **P.PL-23**

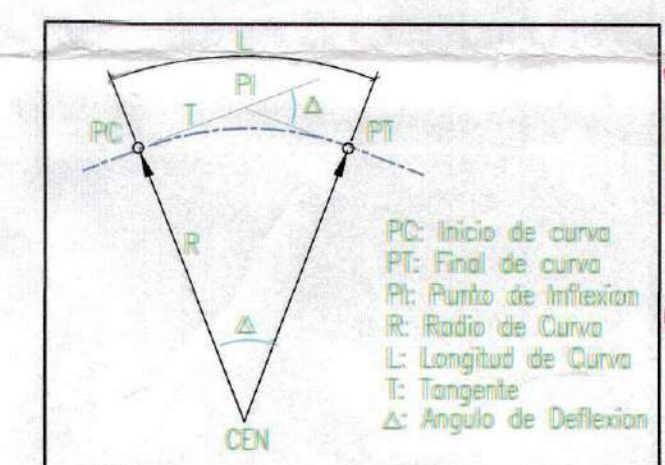


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
	Numero de curva



ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 040

GOBIERNO REGIONAL TUMBES
REG. GENERAL DOCUMENTARIA
ADMINISTR. DOCUMENTARIA
FOLIO N° 13

N°	ANGULO	R	T	Lc	C	E	F	P	64	LONGITUD DE TRANSICION
73.00	48.00	50.00	50.00	40.00	27.34	50.51	49.75	5.84	5.46	11.40
74.00	69.00	20.00	69.00	70.22	30.51	65.45	62.00	6.38	7.46	9.72
75.00	28.00	28.00	28.00	60.00	18.64	28.45	28.41	1.21	1.47	11.40
76.00	72.00	41.00	72.00	60.00	19.52	24.54	22.00	1.15	-1.11	11.40
77.00	32.00	41.00	21.00	60.00	17.60	34.82	33.77	2.53	2.42	11.40



PROGRESIVAS	COTA DE TERRENO	RASANTE	SUB-RASANTE	PENDIENTE	ALINEAMIENTO
12+000.00	325.10	325.26	325.10	S=5.68%	R=60.00
12+010.00	326.40	326.40	326.40	L=245.01	L=51.31
12+020.00	327.13	327.13	327.13		
12+030.00	327.28	327.28	327.28		
12+040.00	328.05	328.05	328.05		
12+050.00	328.74	328.74	328.74		
12+060.00	330.00	330.00	330.00		
12+070.00	331.44	332.06	332.00		
12+080.00	332.98	333.19	333.41		
12+090.00	333.71	334.33	335.63		
12+100.00	334.84	335.46	336.00		
12+110.00	335.98	336.59	336.81		
12+120.00	337.11	337.73	337.10		
12+130.00	338.24	338.86	337.72		
12+140.00	339.31	339.92	338.81		
12+150.00	340.10	340.71	339.75		
12+160.00	340.60	341.21	339.65		
12+170.00	340.92	341.42	340.00		
12+180.00	340.74	341.24	341.82		
12+190.00	340.36	340.86	342.00		
12+200.00	339.72	340.32	341.55		
12+210.00	338.78	339.38	339.55		
12+220.00	337.75	338.34	338.00		
12+230.00	336.71	337.31	336.00		
12+240.00	335.67	336.27	334.00		
12+250.00	334.66	335.26	334.00		
12+260.00	333.67	334.27	333.70		
12+270.00	333.32	333.92	338.40		
12+280.00	333.03	333.63	332.36		
12+290.00	332.86	333.50	330.52		
12+300.00	332.80	333.51	332.00		
12+310.00	332.85	333.56	332.00		
12+320.00	332.99	333.70	332.00		
12+330.00	333.30	333.99	332.00		
12+340.00	333.86	334.55	332.00		
12+350.00	334.57	335.26	340.30		
12+360.00	335.42	336.11	338.00		
12+370.00	336.41	337.10	336.00		
12+380.00	337.52	338.21	335.00		
12+390.00	338.82	339.51	333.92		
12+400.00	340.29	340.98	333.04		
12+410.00	341.91	342.60	332.00		
12+420.00	343.57	344.27	332.00		
12+430.00	345.26	345.94	330.00		
12+440.00	346.97	347.61	328.00		
12+450.00	348.68	349.25	325.10		
12+460.00	350.38	350.88	322.00		
12+470.00	352.07	352.47	319.00		
12+480.00	353.74	353.84	316.00		
12+490.00	355.38	355.38	313.00		
12+500.00	356.99	356.99	310.00		

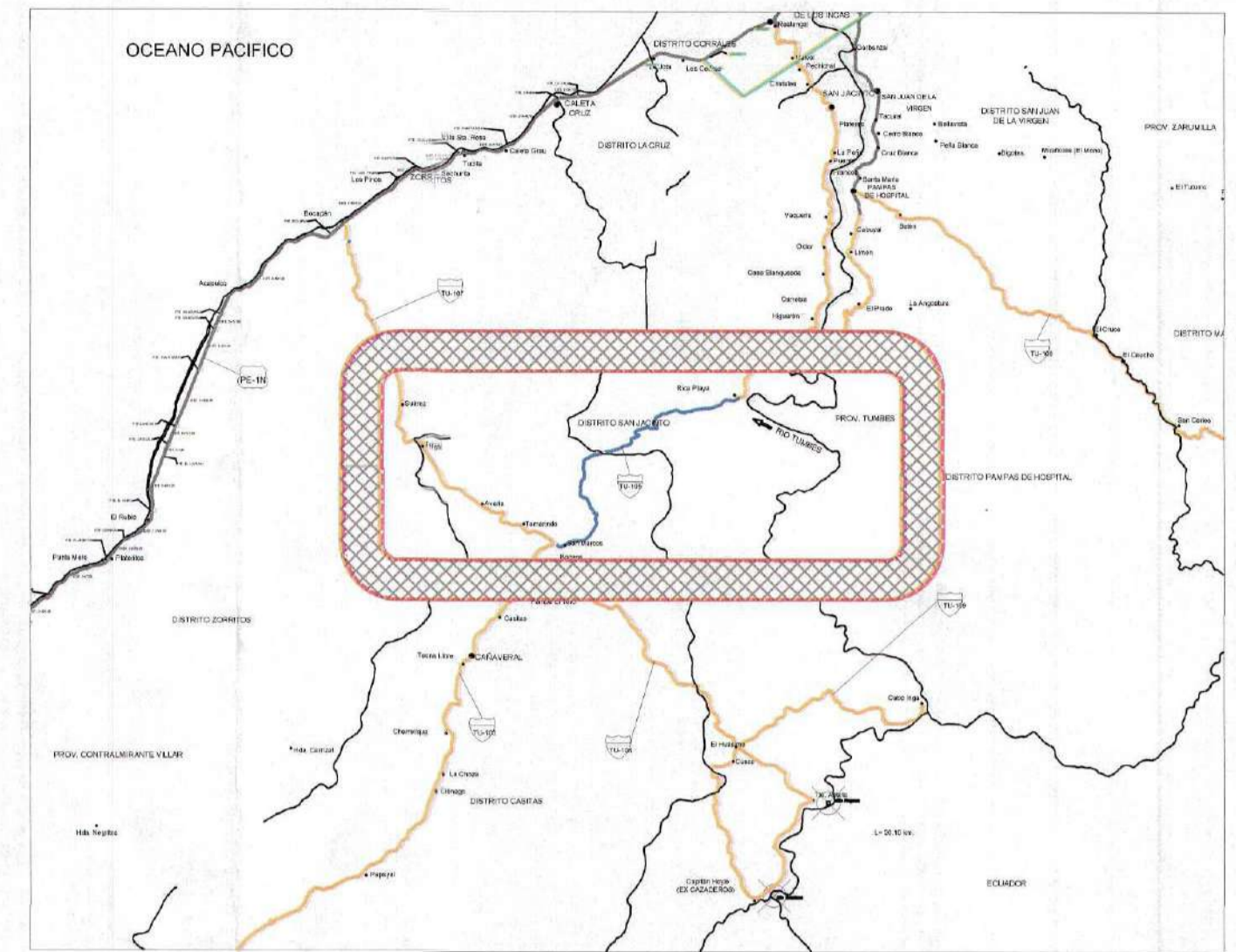
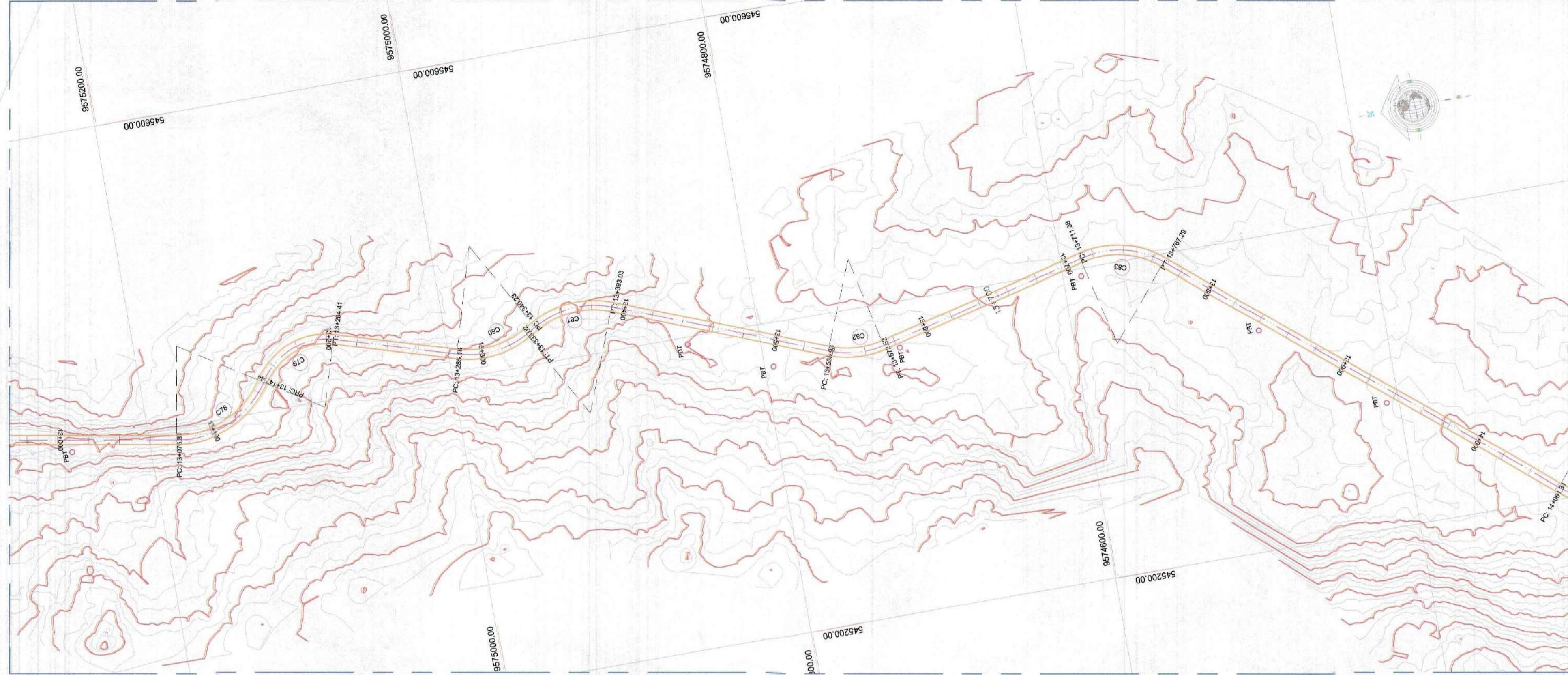
PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

GOBIERNO REGIONAL TUMBES

GERENCIA REGIONAL DE INFRAESTRUCTURA

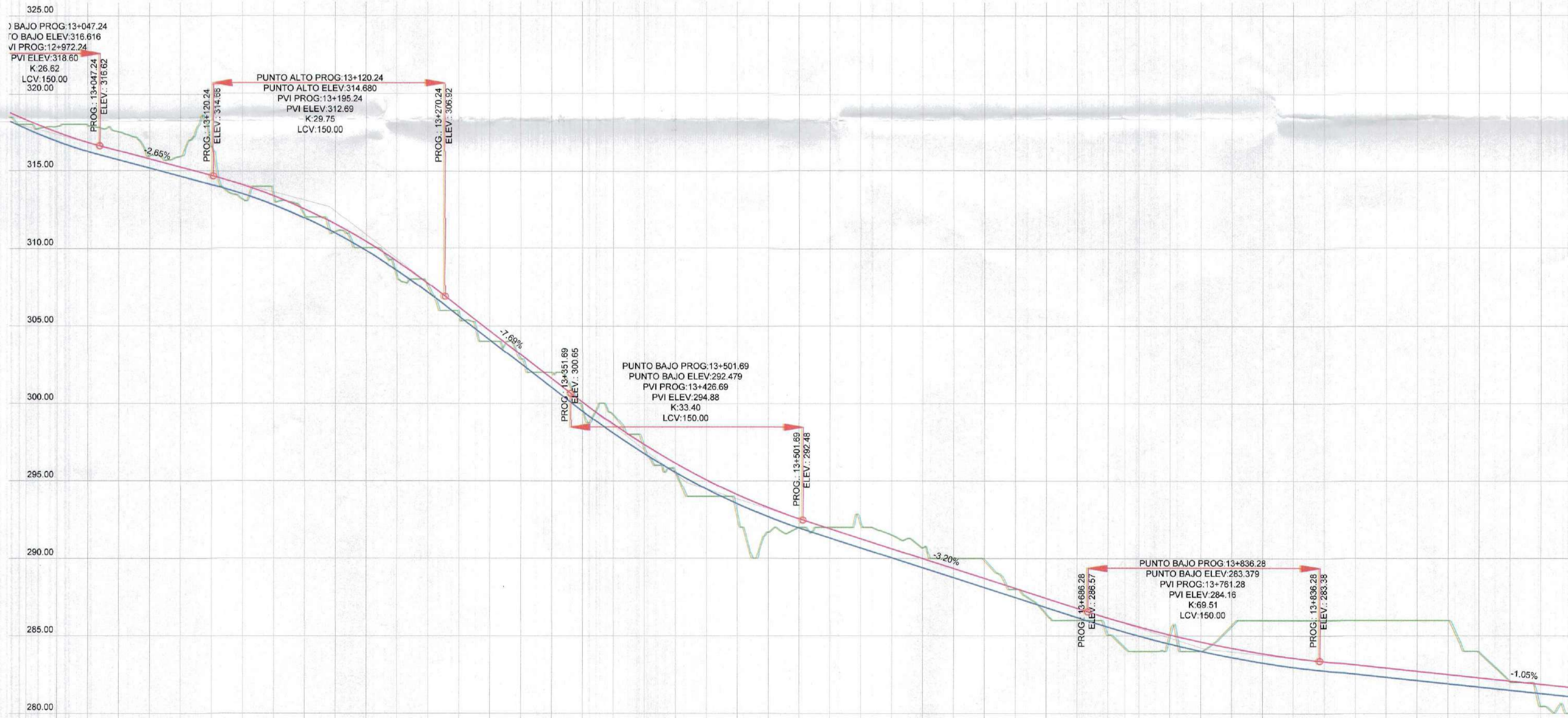
<p>Presidente Regional: ING. WILMER DIOS BENITES</p> <p>Gerencia General: DR. HAROLD BURGOS HERRERA</p> <p>VPM Gerencia Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ</p> <p>Aprobado sub Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE</p>	<p>Proyecto: "REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"</p> <p>Plan: PLANTA PERFIL LONGITUDINAL Prog: 12+000 - 13+000</p> <p>CATUM: DATUM WUG 84</p>	<p>Proyectista: ERICK F. LEON HEREDIA</p> <p>Escala: INDICADA</p> <p>Provincia: TUMBES</p> <p>Departamento: TUMBES</p> <p>Distrito: SAN JACINTO CASITAS</p>	<p>Dibujo Cas: P.PL-24</p>
--	--	--	---------------------------------------

PLANO EN PLANTA
ESCALA= 1/2000

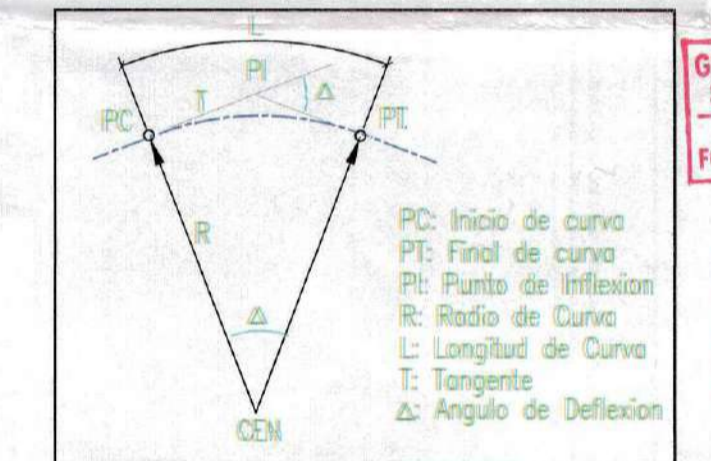


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN*	Numero de curva



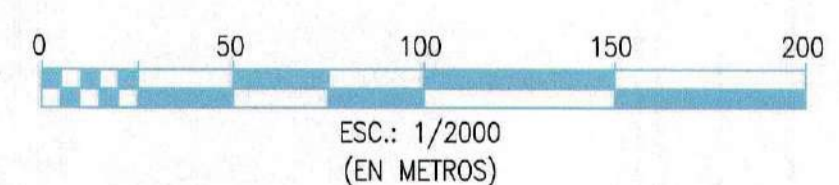
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 029

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINIST. DOCUMENTARIA
FOLIO N° 89

N°	GRA	MIN	SEG	R	T	U	C	E	F	P	SA	LONGITUD DE TRANSICION
				m	m	m	m	m	m	m	m	L1
78.00	47.00	28.00	31.00	90.00	40.04	79.65	99.92	12.14	10.05	11.49	0.00	29.72
79.00	14.00	0.00	14.00	44.00	33.20	38.67	53.08	11.10	8.90	15.73	0.00	39.23
80.00	54.00	22.00	3.00	80.00	39.29	42.96	49.93	5.11	4.71	11.49	0.00	28.71
81.00	50.00	25.00	2.00	90.00	38.24	52.10	51.11	6.92	5.71	11.49	0.00	23.22
82.00	35.00	2.00	33.00	95.00	18.92	39.65	35.32	2.24	2.12	11.49	0.00	29.73
83.00	33.00	23.00	45.00	95.00	30.11	59.92	63.81	7.18	6.45	11.49	0.00	28.73



PROGRESIVAS	COTA DE TERRENO	CORTE	ALTIMETRIA	RELLENO	PENDIENTE	ALINEAMIENTO
0.31	317.69	319.29	318.00	13+020.00		
0.99	316.88	317.49	317.87	13+020.00		
1.67	316.22	316.82	317.89	13+040.00		
1.82	315.68	316.28	317.50	13+050.00		
0.85	315.15	315.75	316.00	13+080.00		
1.32	314.62	315.22	315.94	13+100.00		
2.39	314.09	314.69	316.45	13+120.00		
313.48	314.09	313.13	13+140.00			
0.49	312.76	313.36	313.25	13+160.00		
0.17	311.90	312.49	312.06	13+180.00		
0.16	310.90	311.50	311.08	13+200.00		
0.23	309.77	310.36	310.00	13+220.00		
309.50	309.09	308.07	13+240.00			
0.40	307.10	307.69	307.50	13+260.00		
0.04	305.58	306.17	305.62	13+280.00		
304.04	304.63	304.00	13+300.00			
0.37	302.50	303.09	302.87	13+320.00		
1.00	300.96	301.55	301.97	13+340.00		
0.06	299.43	300.02	299.49	13+360.00		
1.19	298.00	298.59	299.20	13+380.00		
0.25	296.69	297.28	296.96	13+400.00		
295.50	296.10	295.47	13+420.00			
294.43	295.03	294.00	13+440.00			
293.48	294.08	292.56	13+460.00			
292.65	293.24	291.88	13+480.00			
0.06	291.94	292.53	292.00	13+500.00		
0.71	291.29	291.89	292.00	13+520.00		
1.45	290.65	291.25	292.11	13+540.00		
1.47	290.01	290.61	291.48	13+560.00		
1.32	289.37	289.97	290.85	13+580.00		
1.27	288.73	289.33	290.00	13+600.00		
1.76	288.09	288.69	289.85	13+620.00		
0.55	287.45	288.05	288.00	13+640.00		
286.81	287.41	286.36	13+660.00			
286.17	286.77	286.00	13+680.00			
285.54	286.14	285.05	13+700.00			
284.97	285.57	284.00	13+720.00			
0.74	284.45	285.05	285.19	13+740.00		
0.01	283.89	284.50	284.00	13+760.00		
2.10	283.35	284.20	283.70	13+780.00		
2.75	282.75	283.85	283.00	13+800.00		
3.03	282.57	283.57	282.00	13+820.00		
3.26	282.74	283.34	282.00	13+840.00		
3.47	282.53	283.13	282.00	13+860.00		
3.68	282.32	282.92	282.00	13+880.00		
3.89	282.11	282.71	282.00	13+900.00		
4.10	281.90	282.50	282.00	13+920.00		
2.19	281.69	282.29	282.88	13+940.00		
0.52	281.48	282.09	282.00	13+960.00		
281.27	281.86	280.44	13+980.00			
281.06	281.67	280.00	14+000.00			

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

GOBIERNO REGIONAL TUMBES
GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional:
ING. WILMER DIOS BENITES
Gerencia General:
DR. HAROLD BURGOS HERRERA

Proyecto:
"REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOGANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

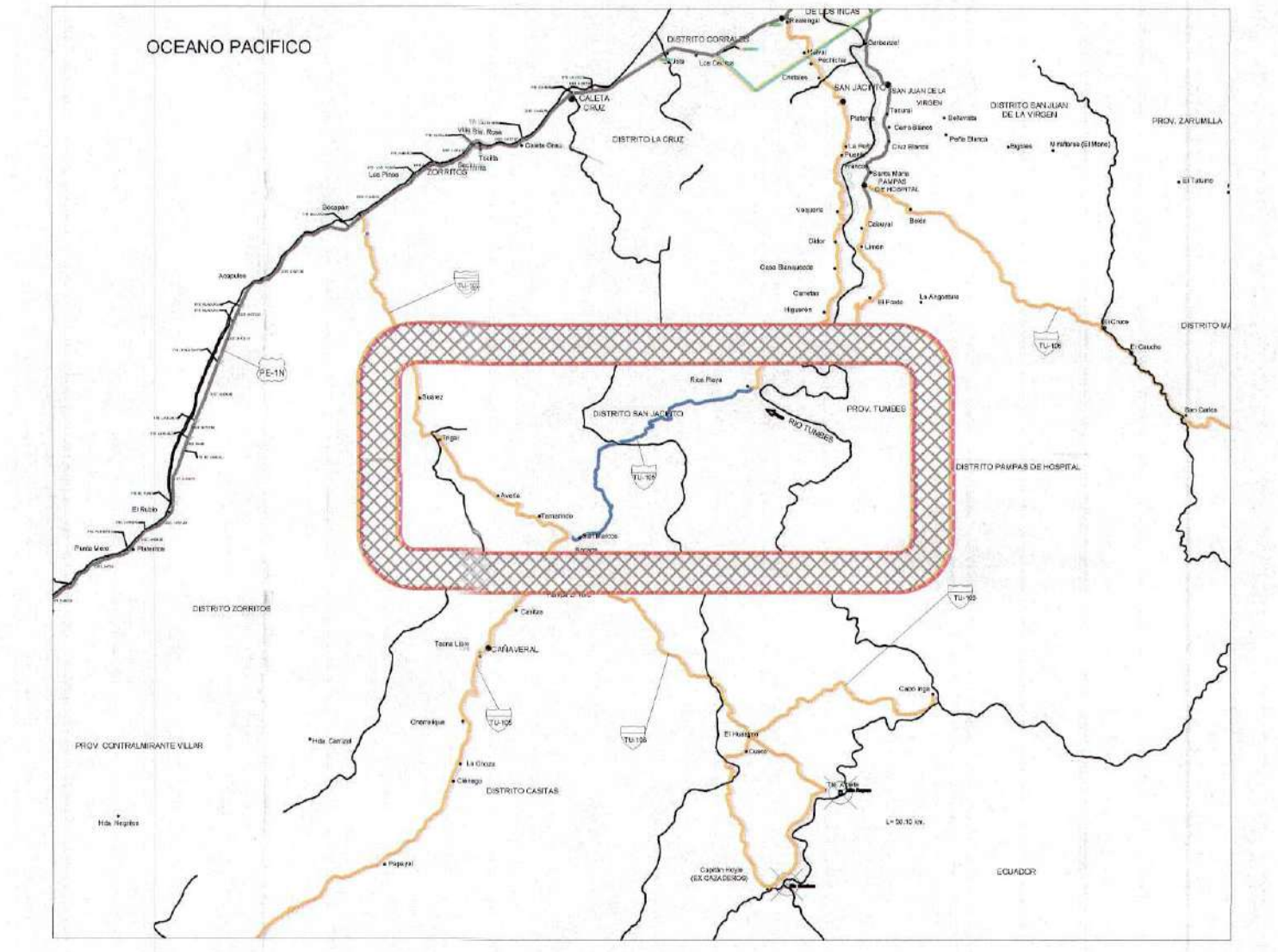
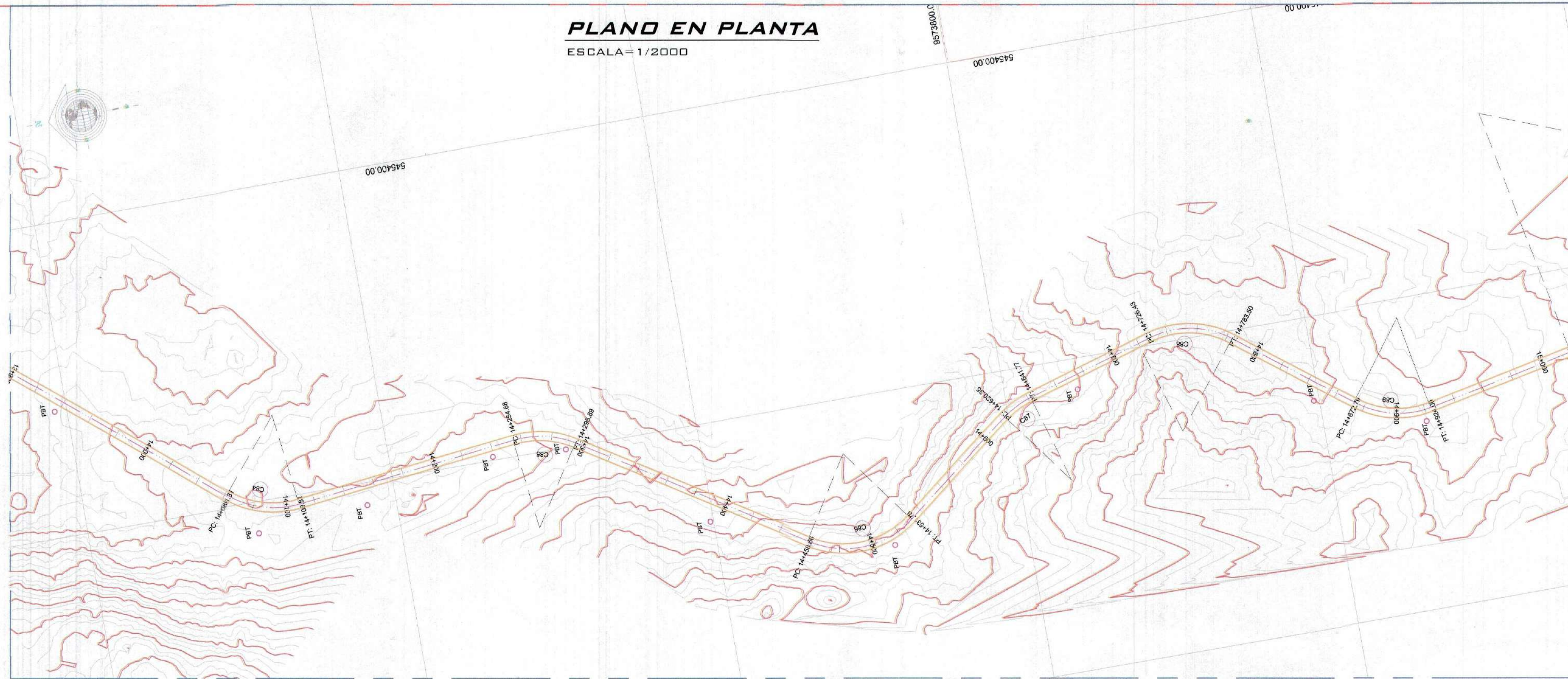
Proyectista:
ING. FREDY R. SALAZAR CHONATE

Plano:
PLANTA PERFIL LONGITUDINAL
Prog: 13+000 - 14+000

Proyectista:
ERICK F. LEON HEREDIA
Escala:
INDICADA
Fecha:
Lamina N°:
P.L-25

Provincia:
TUMBES
Departamento:
TUMBES
Topografía:
DATUM WUG 84

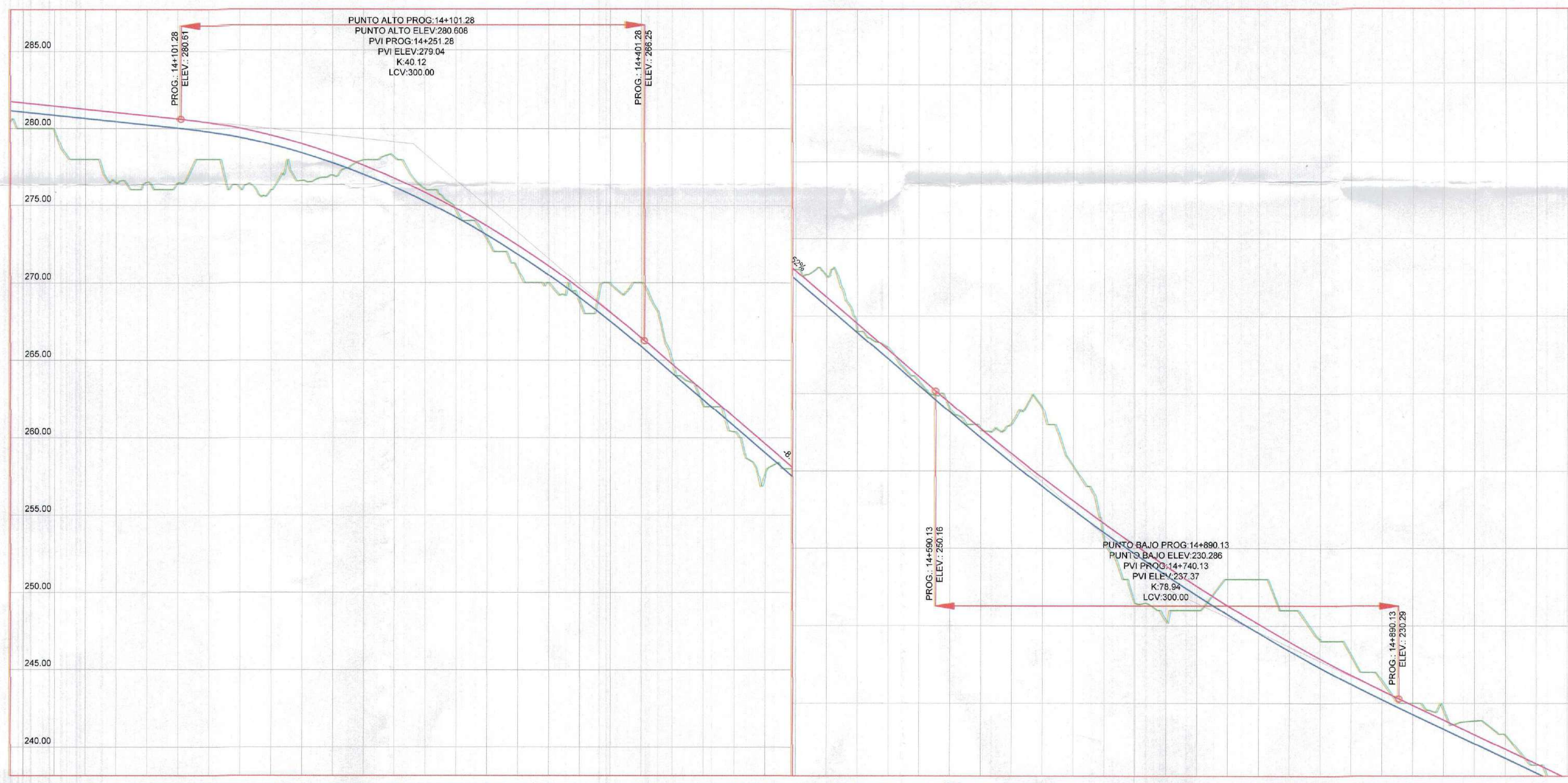
PLANO EN PLANTA
ESCALA=1/2000



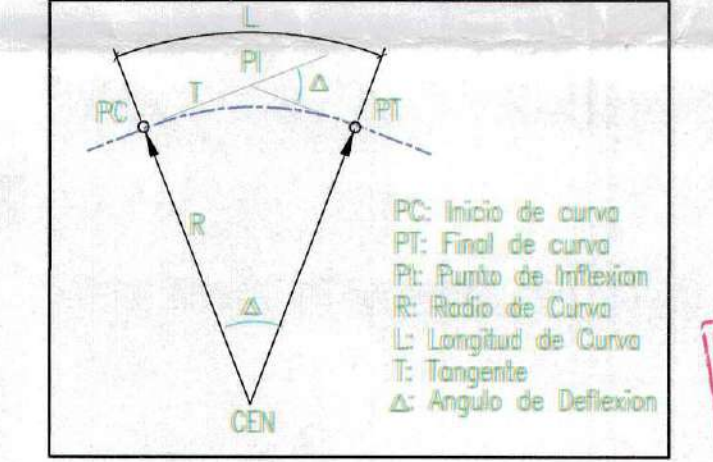
UBICACION
ESC.: 1/20000

LEYENDA

PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN	Numero de curva



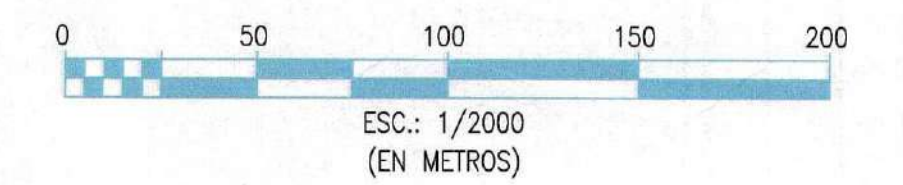
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N.º 038

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINISTR. DOCUMENTARIA
FOLIO N.º 8

ST	GR	ANGULO	MIN	SEG	R	T	L	C	E	F	P	Sa	LONGITUD DE TRANSICION
		GRA			m	m	m	m	m	(%)	m	m	Lp
14+00	48.00	11.00	41.00	00.00	23.00	48.50	47.10	2.20	4.63	11.49	0.90	5.00	28.73
14+05	38.00	21.00	3.00	00.00	20.40	51.21	40.40	3.72	3.60	11.49	0.90	5.00	28.73
14+10	69.00	49.00	21.00	00.00	41.87	73.12	66.68	13.17	10.80	11.49	0.90	5.00	28.73
14+15	53.00	27.00	28.00	00.00	30.80	21.42	21.31	1.92	0.90	11.49	0.90	5.00	28.73
14+20	44.00	20.00	15.00	00.00	20.92	17.00	14.95	7.49	0.90	11.49	0.90	5.00	28.73
14+25	48.00	24.00	2.00	00.00	27.98	51.21	49.67	5.91	6.38	11.49	0.90	5.00	28.73



ESC.: 1/2000
(EN METROS)

PROGRESIVAS	COTA DE TERRENO	CORTE	ALTURA	PENDIENTE	ALINEAMIENTO
281.00	281.67	280.00	14+000.00		
280.80	281.48	279.77	14+200.00		
280.65	281.25	278.00	14+400.00		
280.44	281.04	276.43	14+600.00		
280.23	280.83	276.52	14+800.00		
280.02	280.62	276.48	14+1000.00		
279.77	280.37	276.00	14+1200.00		
279.45	280.02	276.06	14+1400.00		
278.98	279.56	276.00	14+1600.00		
278.41	279.01	276.64	14+1800.00		
277.76	278.36	276.98	14+2000.00		
0.89	277.01	277.61	278.00	14+2200.00	
1.97	276.16	276.76	276.13	14+2400.00	
0.83	276.21	276.61	276.04	14+2600.00	
0.41	274.16	274.76	274.57	14+2800.00	
273.02	273.61	272.75	14+3000.00		
271.77	272.36	270.73	14+3200.00		
270.45	271.01	269.92	14+3400.00		
268.97	269.56	268.65	14+3600.00		
2.42	267.42	268.01	269.84	14+3800.00	
4.23	265.77	266.36	270.00	14+4000.00	
0.89	264.07	264.66	264.76	14+4200.00	
262.37	262.95	262.00	14+4400.00		
260.66	261.24	260.38	14+4600.00		
258.96	259.54	257.71	14+4800.00		
0.75	257.29	257.84	268.00	14+5000.00	
1.94	255.55	256.13	257.48	14+5200.00	
0.16	253.84	254.43	254.00	14+5400.00	
0.75	252.14	252.73	252.88	14+5600.00	
0.29	250.43	251.02	250.72	14+5800.00	
0.21	248.73	249.32	248.94	14+6000.00	
0.92	247.03	247.62	247.60	14+6200.00	
2.64	245.32	245.91	248.11	14+6400.00	
5.05	243.62	244.21	248.67	14+6600.00	
2.82	241.92	242.51	245.24	14+6800.00	
240.97	241.55	240.45	14+7000.00		
239.56	240.15	238.44	14+7200.00		
238.21	238.81	236.27	14+7400.00		
236.91	237.51	236.00	14+7600.00		
2.34	235.65	236.26	238.00	14+7800.00	
3.54	234.46	235.06	238.00	14+8000.00	
2.68	233.32	233.91	236.00	14+8200.00	
1.78	232.22	232.81	234.00	14+8400.00	
1.85	231.17	231.77	233.02	14+8600.00	
1.19	230.16	230.77	231.37	14+8800.00	
0.78	229.22	229.82	230.00	14+9000.00	
1.16	228.26	228.86	229.45	14+9200.00	
1.52	227.34	227.93	228.05	14+9400.00	
1.50	226.39	226.99	227.69	14+9600.00	
0.55	225.45	226.04	226.00	14+9800.00	
224.50	225.10	223.25	15+0000.00		

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

GOBIERNO REGIONAL TUMBES

GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional: ING. WILMER DIOS BENTES
Gerencia General: DR. HAROLD BURGOS HERRERA

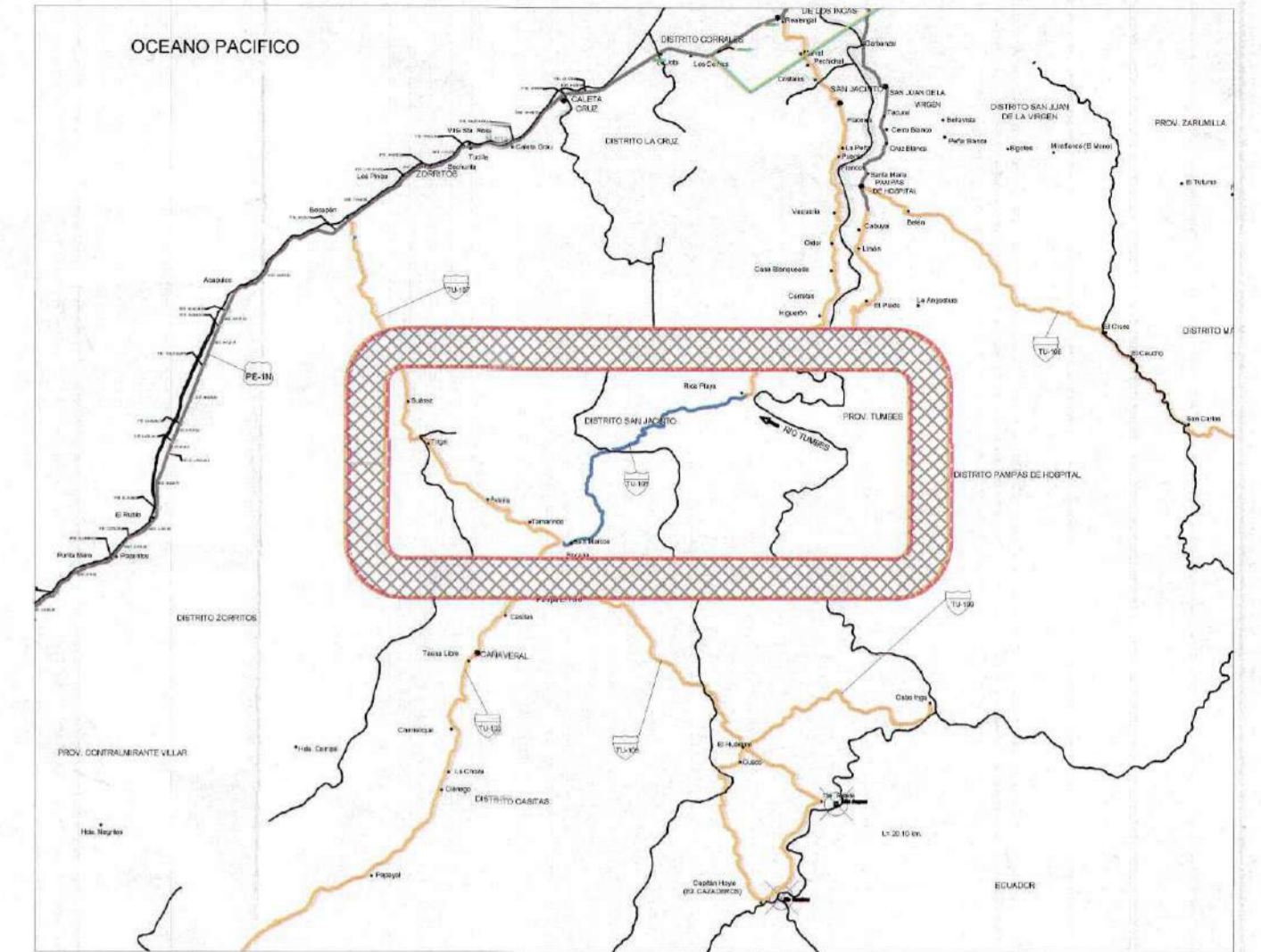
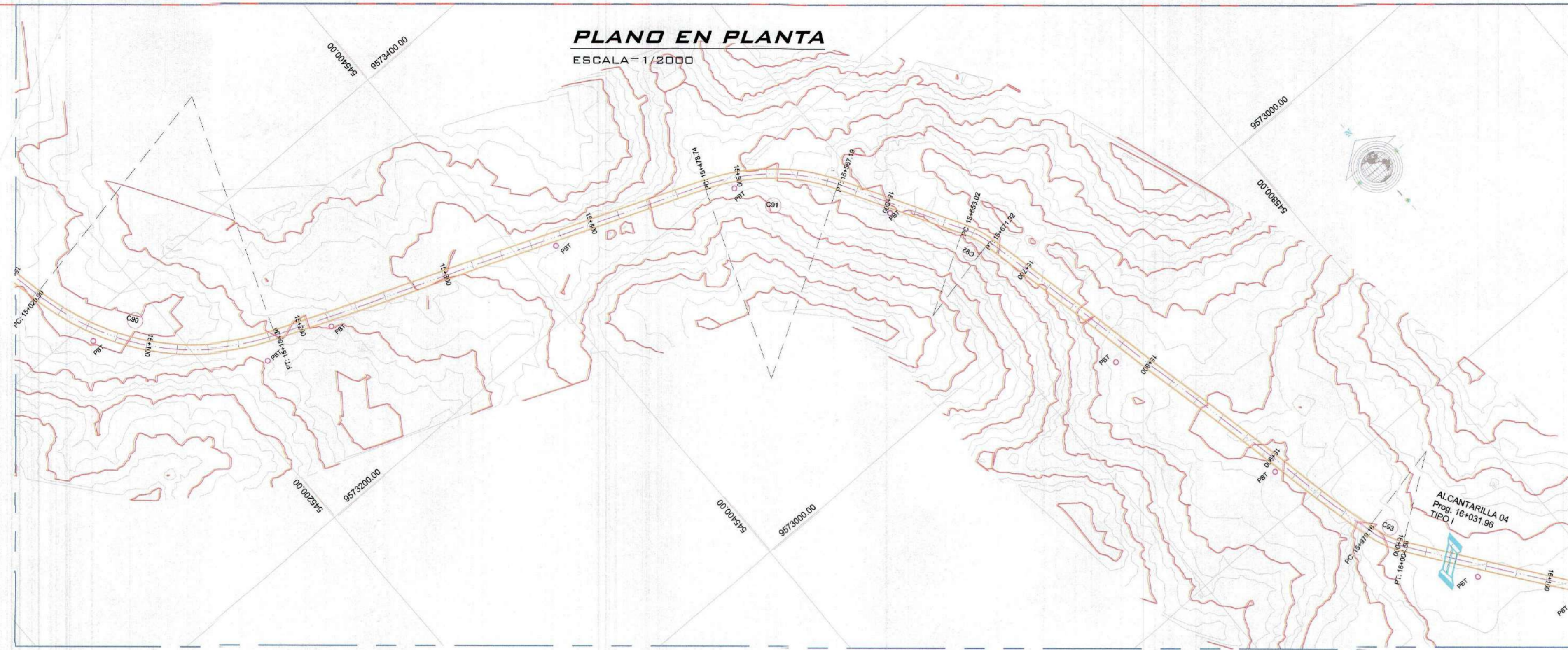
Proyecto: "REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

Plano: **PLANTA PERFIL LONGITUDINAL**
Prog: 14+000 - 15+000

Proyectista: ERICK F. LEON HEREDIA
Escala: INDICADA
Fecha: 2014

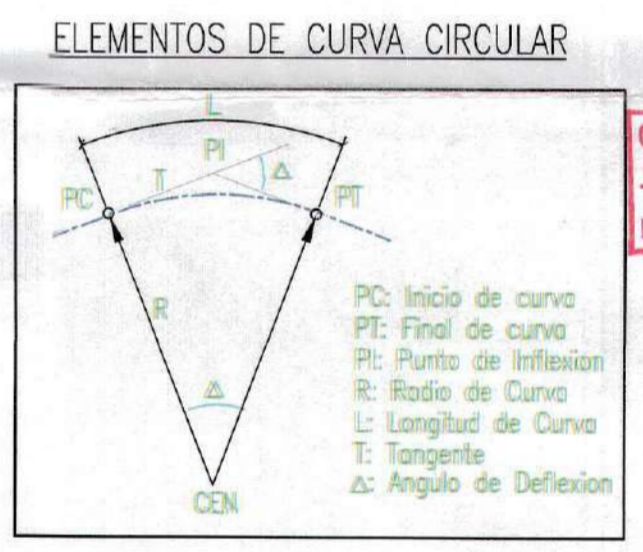
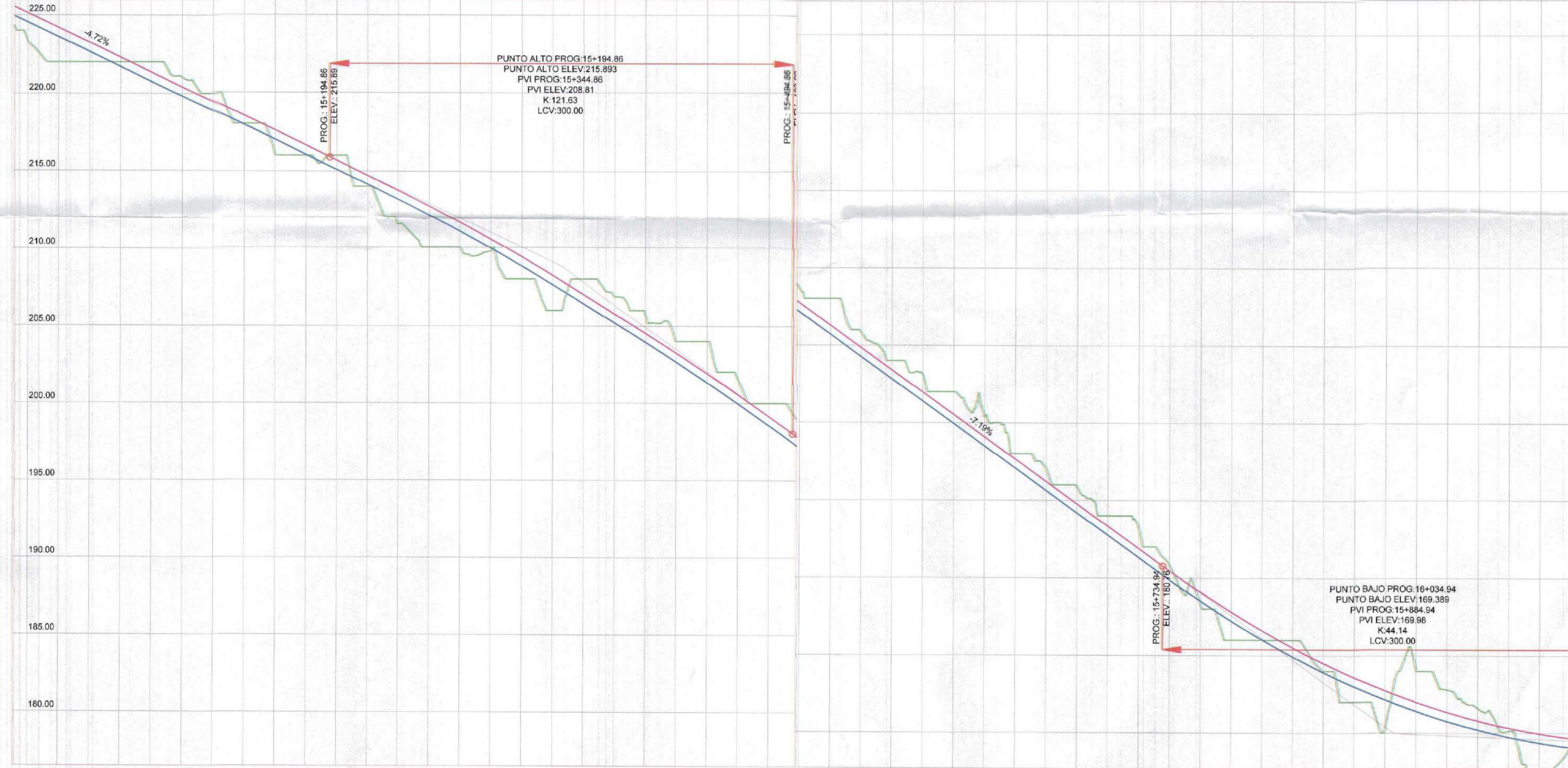
Diseño Civil: ING. FREDY R. SALAZAR CHONATE
Lamina N.º: P.PL-26

DATUM: DATUM WUG 84
Topografía: TUMBES
Departamento: TUMBES
Provincia: SAN JACINTO
CANTON: CASITAS



LEYENDA

PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN	Numero de curva



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 037

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINIST. DOCUMENTARIA
FOLIO N°...

N°	ANGULO Y	R	T	L	C	E	F	Sa	LONGITUD DE TRANSICION							
GRA	MIN	SEG	m	m	m	m	m	m	L1							
01.00	57.02	24.00	28.00	163.24	86.23	163.36	156.61	22.84	20.04	4.53	6.40	7.90	14.95	21.35		
02.00	28.00	15.00	18.00	102.46	51.23	102.46	98.65	146.61	2.74	7.51	5.09	6.60	7.90	24.82		
03.00	18.00	3.00	15.00	60.00	30.00	60.00	59.99	118.53	3.75	6.74	1.49	6.99	6.90	28.72	32.73	
04.00	24.00	15.00	15.00	69.99	34.99	69.99	69.99	125.41	25.22	1.37	1.34	11.48	0.90	3.00	28.72	33.73

PROGRESIVAS	COTA DE TERRENO	CORTE	ALINEAMIENTO
224.90	225.10	223.25	15+000.00
223.56	224.15	222.00	15+020.00
222.81	223.21	222.00	15+040.00
221.67	222.26	222.00	15+060.00
220.72	221.32	222.00	15+080.00
219.78	220.37	221.00	15+100.00
218.83	219.43	220.00	15+120.00
217.89	218.49	219.00	15+140.00
216.94	217.54	218.00	15+160.00
216.00	216.60	217.00	15+180.00
215.05	215.65	216.00	15+200.00
214.08	214.68	215.00	15+220.00
213.09	213.69	214.00	15+240.00
212.05	212.64	213.00	15+260.00
210.98	211.57	209.89	15+280.00
209.88	210.47	209.78	15+300.00
208.75	209.34	209.00	15+320.00
207.58	208.17	208.00	15+340.00
206.36	206.97	208.00	15+360.00
205.15	205.74	206.87	15+380.00
203.88	204.47	205.53	15+400.00
202.58	203.18	204.00	15+420.00
201.25	201.84	203.00	15+440.00
199.89	200.46	201.43	15+460.00
198.49	199.08	200.00	15+480.00
197.06	197.65	198.56	15+500.00
195.63	196.22	198.00	15+520.00
194.19	194.78	195.75	15+540.00
192.75	193.34	194.00	15+560.00
191.31	191.90	193.01	15+580.00
189.87	190.46	192.00	15+600.00
188.44	189.03	190.39	15+620.00
187.00	187.59	188.00	15+640.00
185.56	186.15	186.97	15+660.00
184.12	184.71	185.77	15+680.00
182.68	183.27	184.00	15+700.00
181.25	181.84	183.01	15+720.00
179.81	180.40	181.74	15+740.00
178.44	179.03	178.14	15+760.00
177.06	177.75	176.00	15+780.00
175.67	176.36	175.00	15+800.00
174.27	175.00	174.00	15+820.00
172.86	173.66	173.00	15+840.00
171.44	172.34	172.00	15+860.00
170.02	171.04	171.00	15+880.00
168.59	169.76	170.00	15+900.00
167.16	168.51	169.00	15+920.00
165.72	167.28	168.00	15+940.00
164.28	166.08	167.00	15+960.00
162.84	164.90	166.00	15+980.00
161.40	163.74	165.00	16+000.00

PERFIL LONGITUDINAL
ESCALA H-V = 1/2000

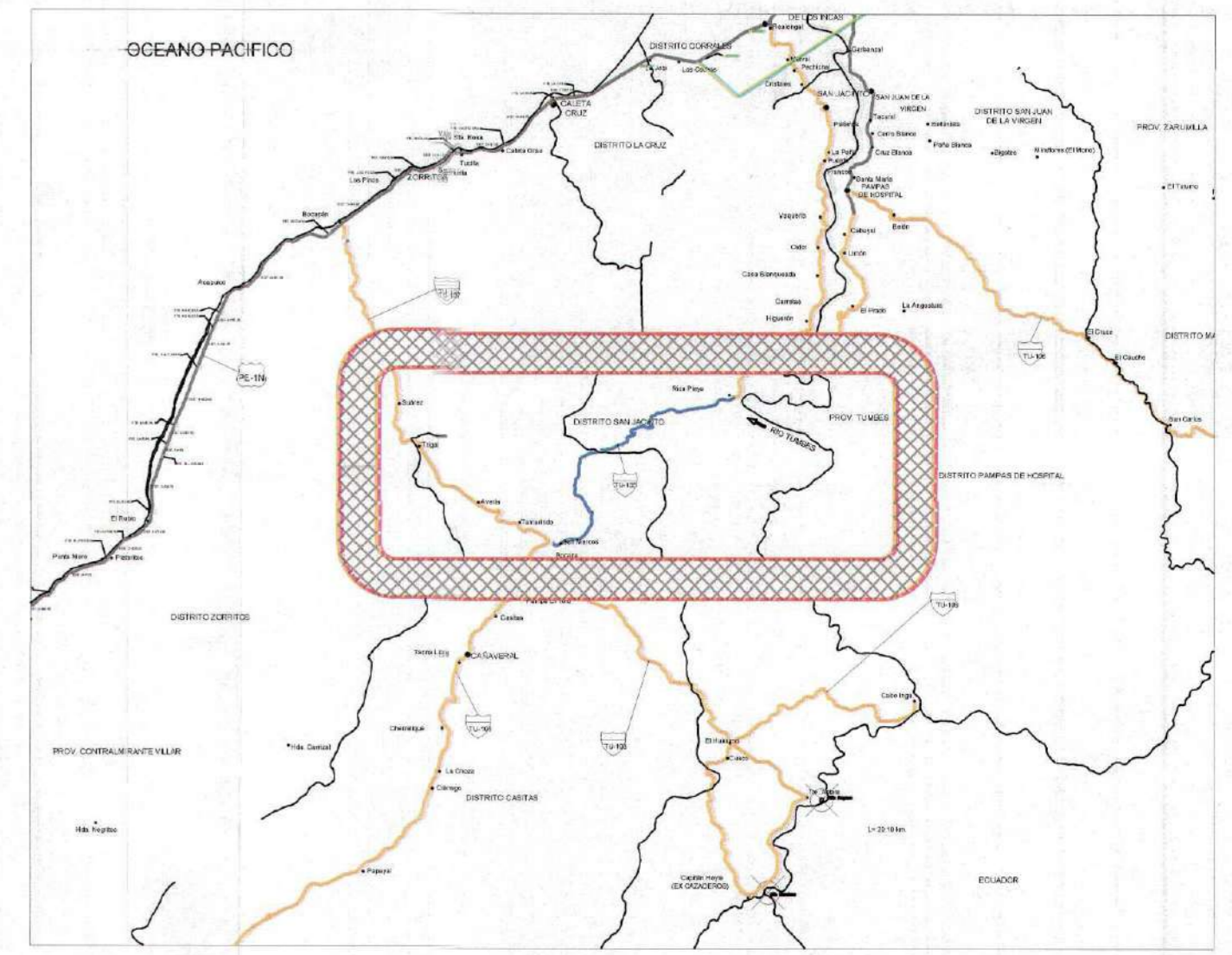
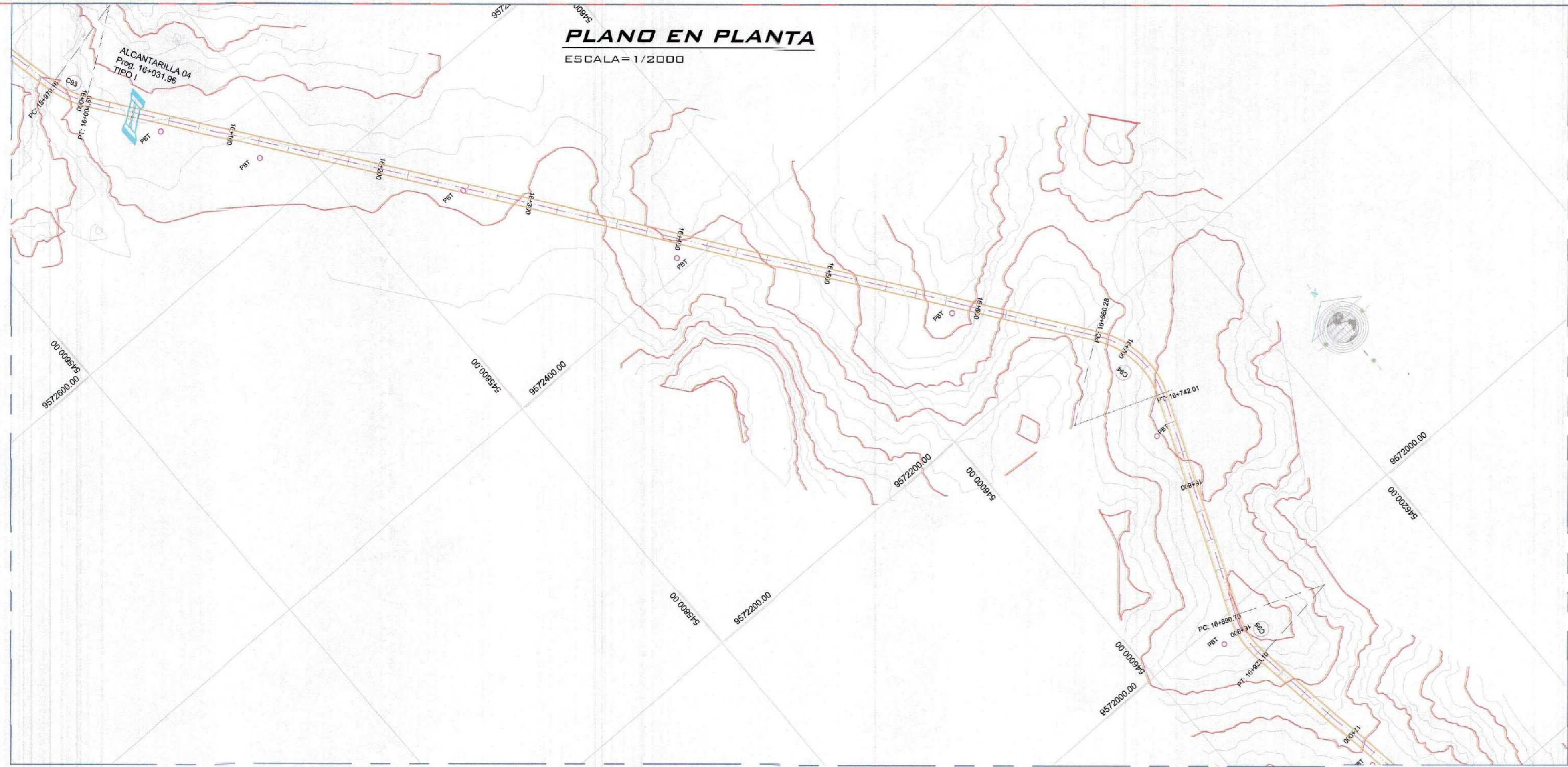
Erick Fernando León Heredia
INGENIERO CIVIL
 Reg. CIP 212975

GOBIERNO REGIONAL TUMBES

GERENCIA REGIONAL DE INFRAESTRUCTURA

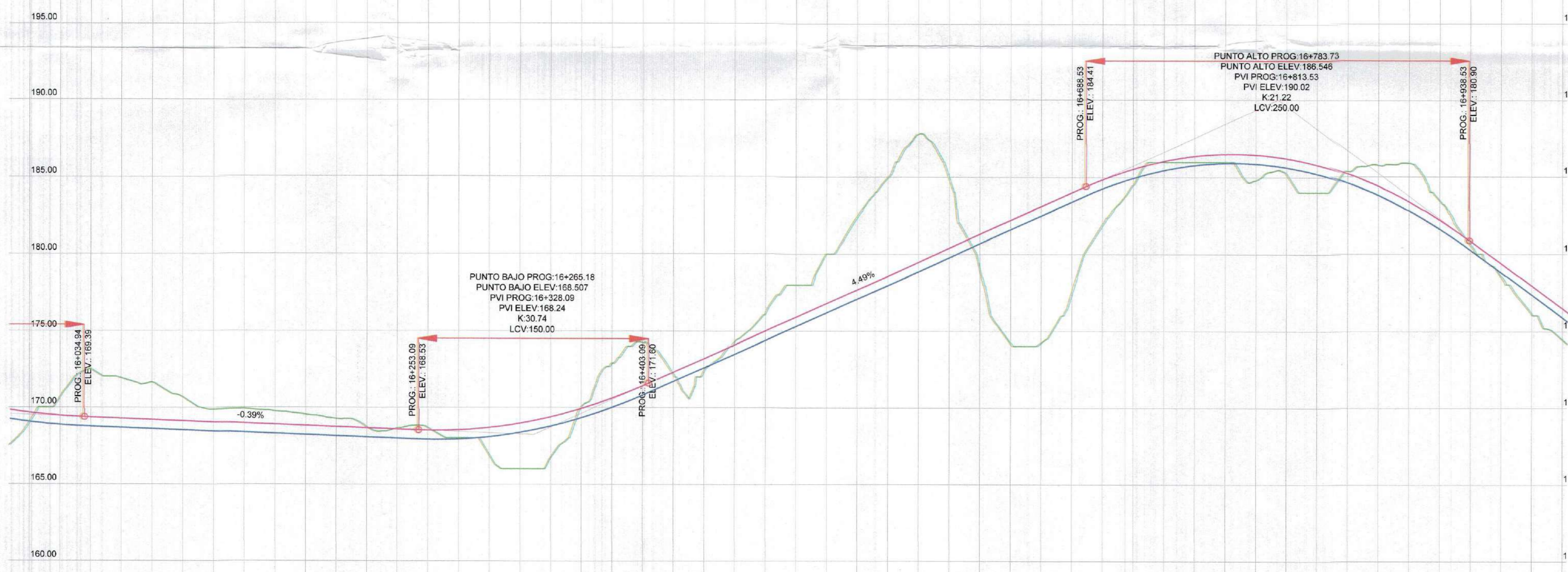
Presidente Regional:
ING. WILMER DIOS BENITES
 Gerencia General:
DR. HAROLD BURGOS HERRERA
 VSP Gerencia Regional de Infraestructura:
ING. WILMER CORDOVA LOPEZ
 Aprobado sub Gerencia de Estudios:
ING. FREDY R. SALAZAR CHONATE

Proyecto: **"REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"**
 Plan: **PLANTA PERFIL LONGITUDINAL Prog: 15+000 - 16+000**
 Fecha: **INDICADA**
 Lugar: **SAN JACINTO CASITAS**
 Proyecto: **ERICK F. LEON HEREDIA**
 Fecha: **INDICADA**
 Lugar: **SAN JACINTO CASITAS**
 Dibujo: **P.PL-27**

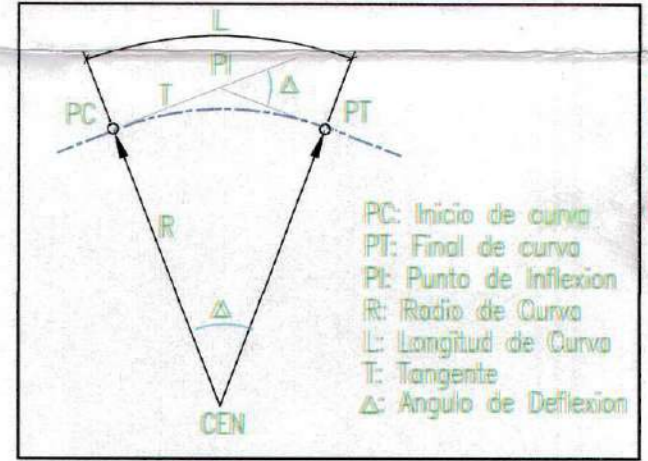


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
	Numero de curva



ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 036

GOBIERNO REGIONAL TUMBES
SECRETARIA REGIONAL ADMINISTRATIVA
FOLIO N° 86

N°	ANGULO	R	T	L	C	E	P	S ₁	LONGITUD DE TRANSICION
01	2.86	365	18	17	17	17	17	17	17
02	24.00	15.23	41.00	87.00	25.41	25.32	1.97	1.94	11.46
03	28.00	27.73	3.00	65.00	23.91	61.73	56.05	8.62	7.77
04	30.00	31.00	28.50	69.00	16.50	30.32	31.93	2.24	2.16
05	30.00	31.00	28.50	69.00	16.50	30.32	31.93	2.24	2.16
06	30.00	31.00	28.50	69.00	16.50	30.32	31.93	2.24	2.16

ESC.: 1/2000
(EN METROS)

PROGRESIVAS	COTA DE TERRENO	RASANTE	SUB-RASANTE	CORTE	RELLENO	PENDIENTE	ALINEAMIENTO
0+00	168.11	169.06	169.06	0.05		-0.39%	60.00
0+25	168.24	169.24	169.24	1.00			25.41
0+50	168.50	169.50	169.50	1.00			
0+75	168.75	169.75	169.75	1.00			
1+00	169.00	170.00	170.00	1.00			
1+25	169.25	170.25	170.25	1.00			
1+50	169.50	170.50	170.50	1.00			
1+75	169.75	170.75	170.75	1.00			
2+00	170.00	171.00	171.00	1.00			
2+25	170.25	171.25	171.25	1.00			
2+50	170.50	171.50	171.50	1.00			
2+75	170.75	171.75	171.75	1.00			
3+00	171.00	172.00	172.00	1.00			
3+25	171.25	172.25	172.25	1.00			
3+50	171.50	172.50	172.50	1.00			
3+75	171.75	172.75	172.75	1.00			
4+00	172.00	173.00	173.00	1.00			
4+25	172.25	173.25	173.25	1.00			
4+50	172.50	173.50	173.50	1.00			
4+75	172.75	173.75	173.75	1.00			
5+00	173.00	174.00	174.00	1.00			
5+25	173.25	174.25	174.25	1.00			
5+50	173.50	174.50	174.50	1.00			
5+75	173.75	174.75	174.75	1.00			
6+00	174.00	175.00	175.00	1.00			
6+25	174.25	175.25	175.25	1.00			
6+50	174.50	175.50	175.50	1.00			
6+75	174.75	175.75	175.75	1.00			
7+00	175.00	176.00	176.00	1.00			
7+25	175.25	176.25	176.25	1.00			
7+50	175.50	176.50	176.50	1.00			
7+75	175.75	176.75	176.75	1.00			
8+00	176.00	177.00	177.00	1.00			
8+25	176.25	177.25	177.25	1.00			
8+50	176.50	177.50	177.50	1.00			
8+75	176.75	177.75	177.75	1.00			
9+00	177.00	178.00	178.00	1.00			
9+25	177.25	178.25	178.25	1.00			
9+50	177.50	178.50	178.50	1.00			
9+75	177.75	178.75	178.75	1.00			
10+00	178.00	179.00	179.00	1.00			

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000



GOBIERNO REGIONAL TUMBES

GOBIERNO REGIONAL
GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional:
ING. WILMER DIOS BENITES

Gerencia General:
DR. HAROLD BURGOS HERRERA

Vicerrector Gerencia Regional de Infraestructura:
ING. WILMER CORDOVA LOPEZ

Aprobado Sub Gerencia de Estudios:
ING. FREDY R. SALAZAR CHONATE

Proyectorista:
ERICK F. LEON HEREDIA

Elaborador:
INDICADA

Provincia:
TUMBES

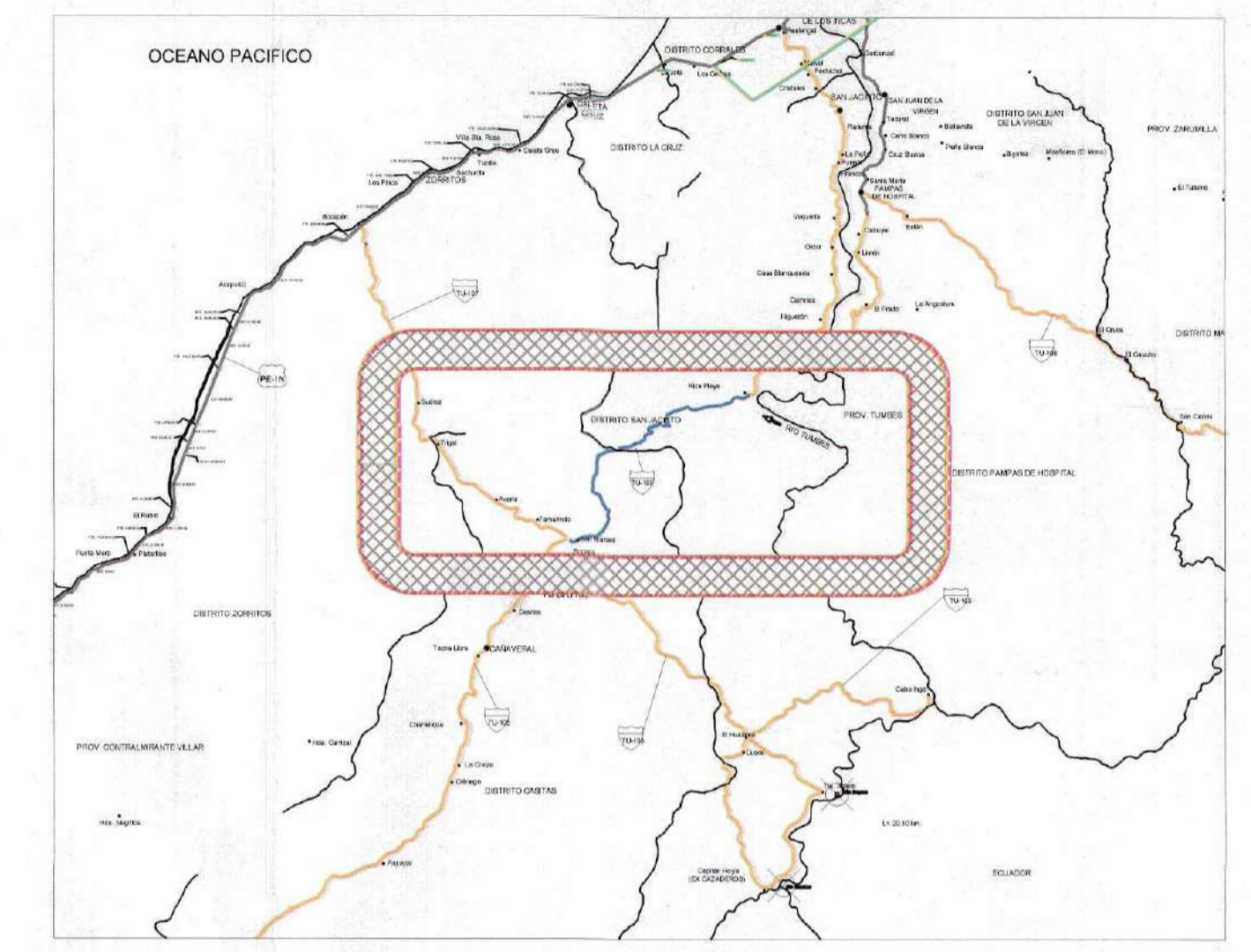
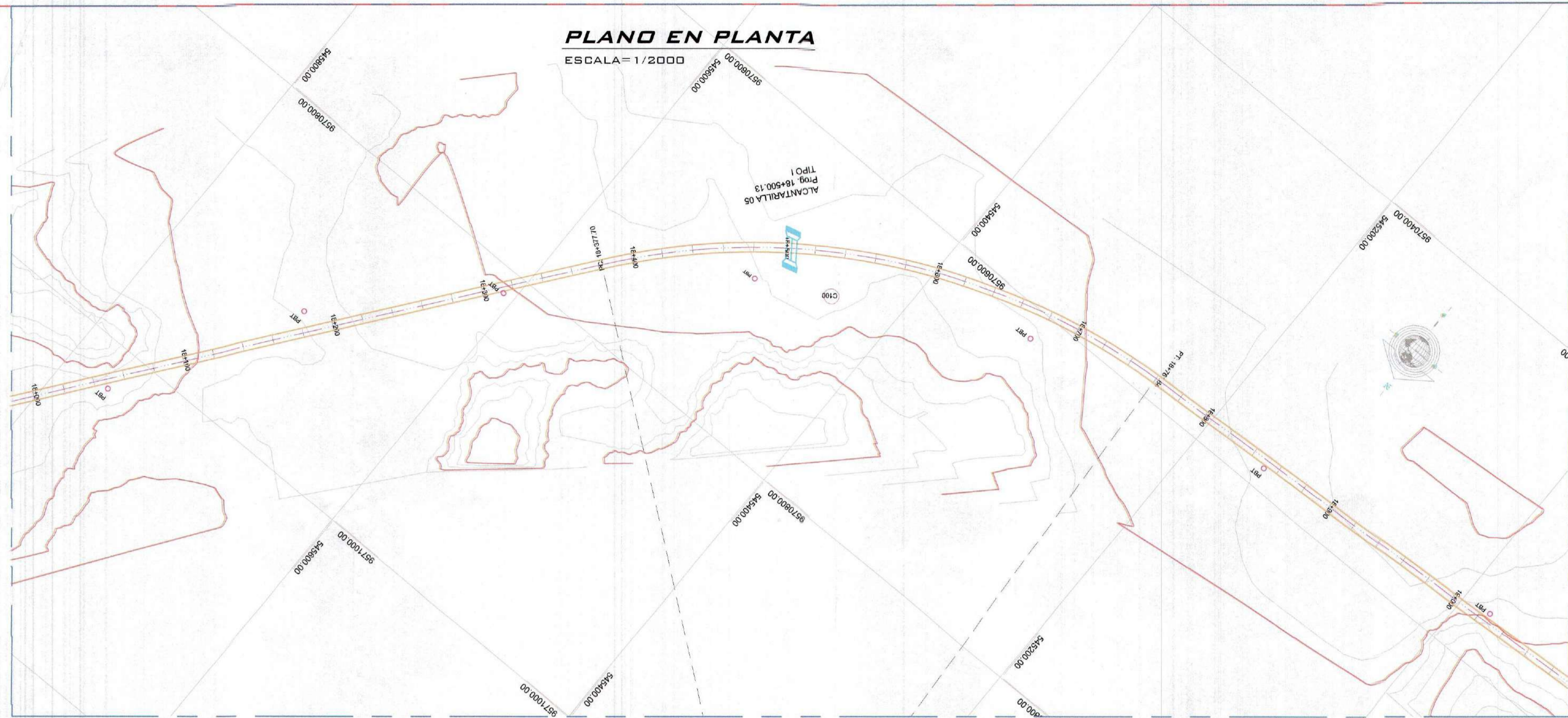
DISTRICTO:
SAN JACINTO CASITAS

DATUM
DATUM WUG 84

Proyecto:
"REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

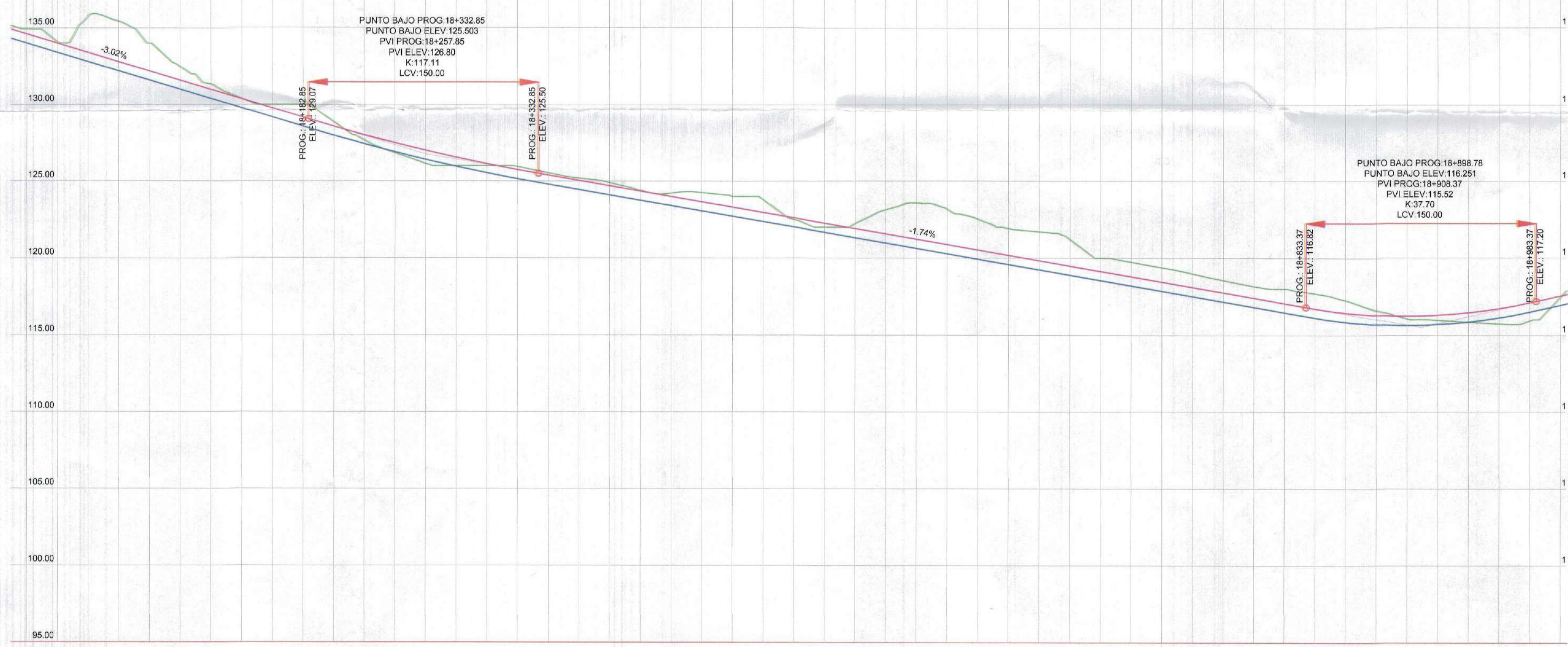
Plan:
PLANTA PERFIL LONGITUDINAL
Prog: 16+000 - 17+000

Hoja:
P.L-28

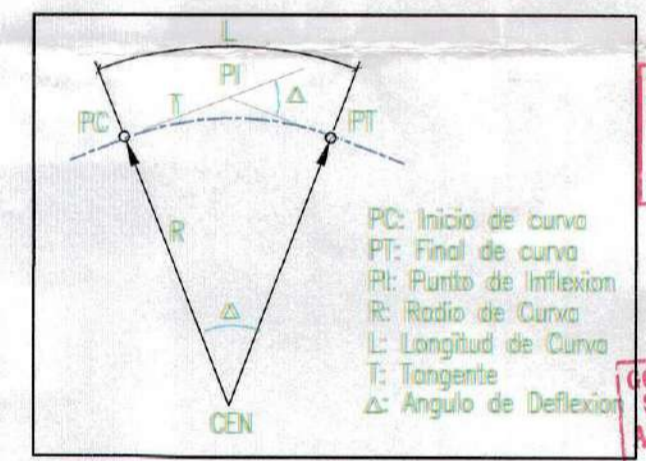


UBICACION
ESC.: 1/20000

LEYENDA	
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN'	Numero de curva



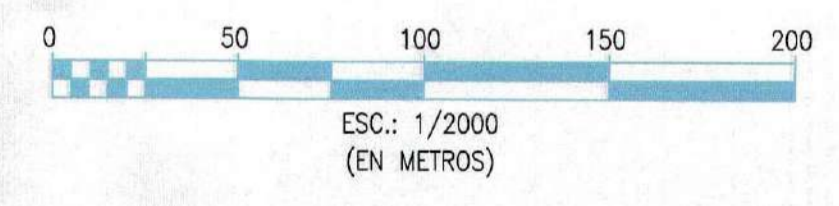
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 034

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINIST. DOCUMENTARIA
FOLIO N° 84

N°	CRS	ANGULO	R	T	L	C	E	F	P	SA	LONGITUD DE TRANSICION	
1	2	3	4	5	6	7	8	9	10	11	12	
100.00	48.00	15.00	49.00	446.39	204.75	383.93	372.21	44.72	30.61	1.36	0.30	7.00
											4.78	11.78



ALTURA	CORTE	COTA DE TERRENO	
		RASANTE	SUB-RASANTE
0.54		133.86	134.56
0.57		133.38	133.98
3.04		132.76	133.37
3.24		132.17	132.77
2.43		131.57	132.17
1.47		130.97	131.56
0.95		130.38	130.96
0.81		129.79	130.36
0.64		129.16	129.76
1.45		128.55	129.15
0.85		127.95	128.54
0.24		127.41	128.00
		126.86	127.48
		126.30	126.96
0.05		125.64	126.25
0.48		125.02	125.60
0.80		124.38	124.93
0.74		123.74	124.29
0.48		123.09	123.64
0.25		122.44	122.99
0.94		121.79	122.34
2.18		121.13	121.68
2.86		120.47	121.02
2.86		120.27	120.87
2.58		119.82	120.52
2.33		119.57	120.27
2.47		119.22	119.92
2.29		118.88	119.58
1.47		118.53	119.23
1.55		118.18	118.88
1.53		117.84	118.54
1.48		117.49	118.19
1.40		117.14	117.84
1.35		116.80	117.49
1.55		116.45	117.15
1.58		116.11	116.81
1.39		115.85	116.55
0.87		115.69	116.39
0.39		115.65	116.35
0.25		115.70	116.31
		115.87	116.48
		116.14	116.75
		116.52	117.13
0.54		116.96	117.57

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000

GOBIERNO REGIONAL TUMBES

GERENCIA REGIONAL DE INFRAESTRUCTURA

Proyecto: "REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

Plan: PLANTA PERFIL LONGITUDINAL Prog: 18+000 - 19+000

Fecha: 2018

Datos: DATUM WUG 84

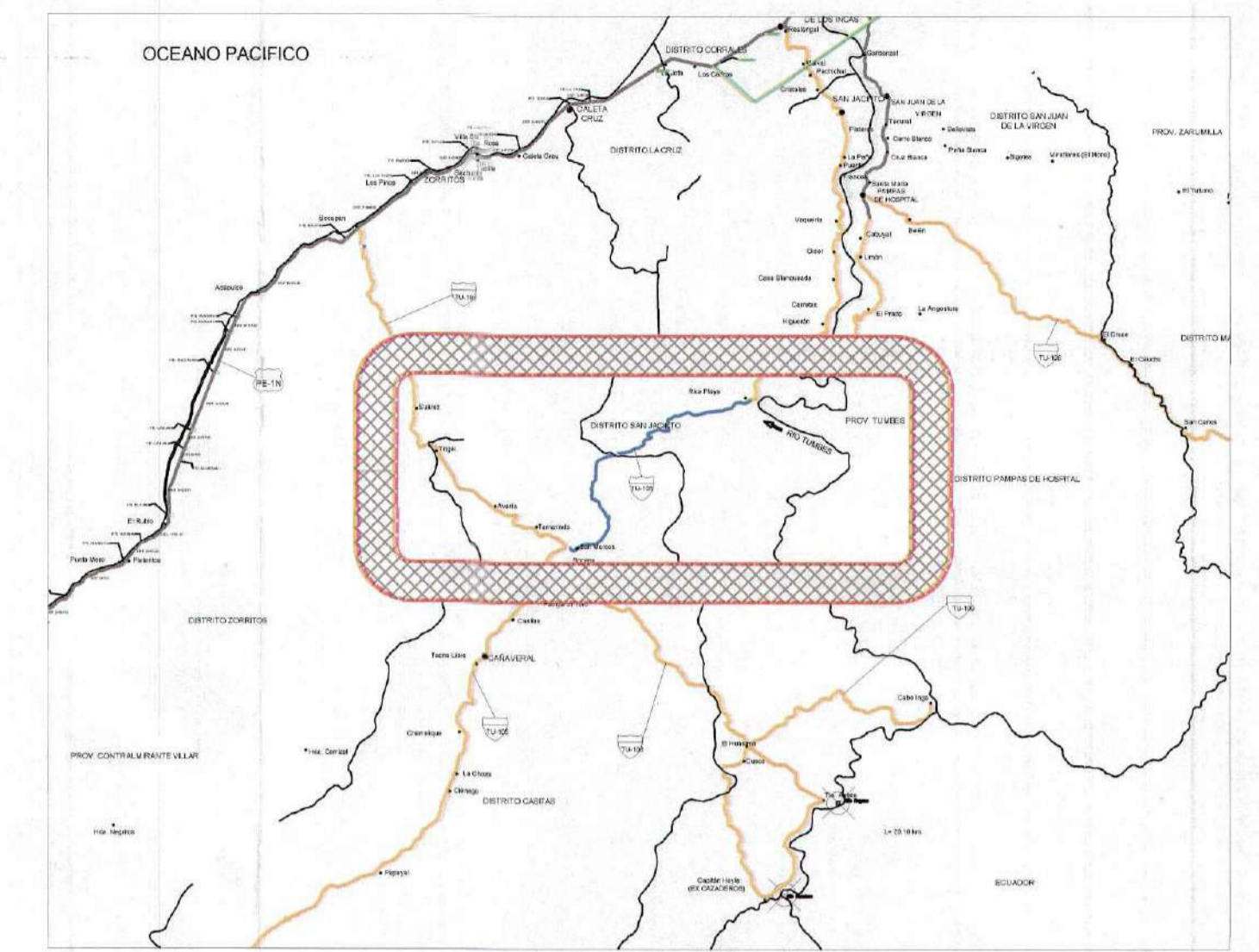
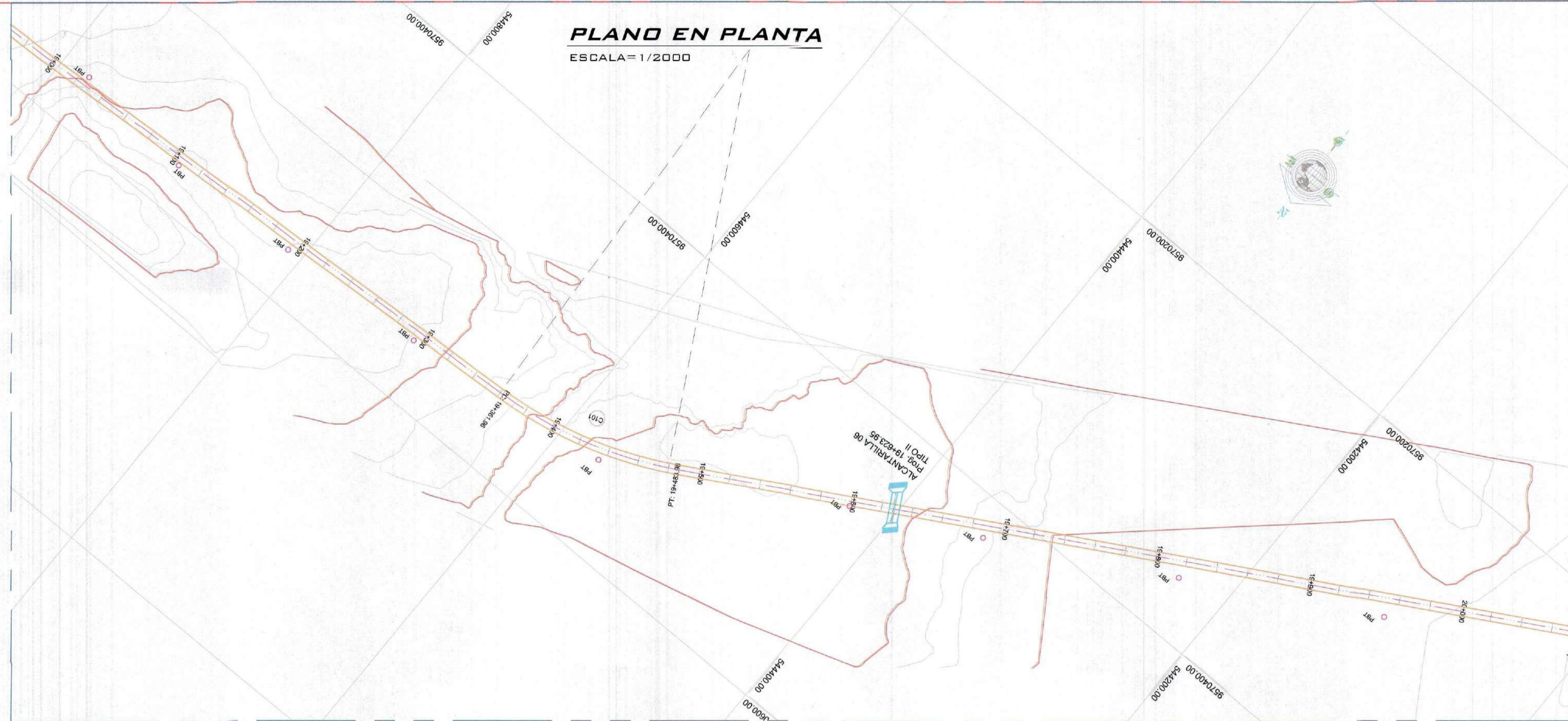
Proyectista: ERICK F. LEON HEREDIA

Indicada: INGENIERIA CIVIL

Provincia: TUMBES

Districto: SAN JACINTO CASITAS

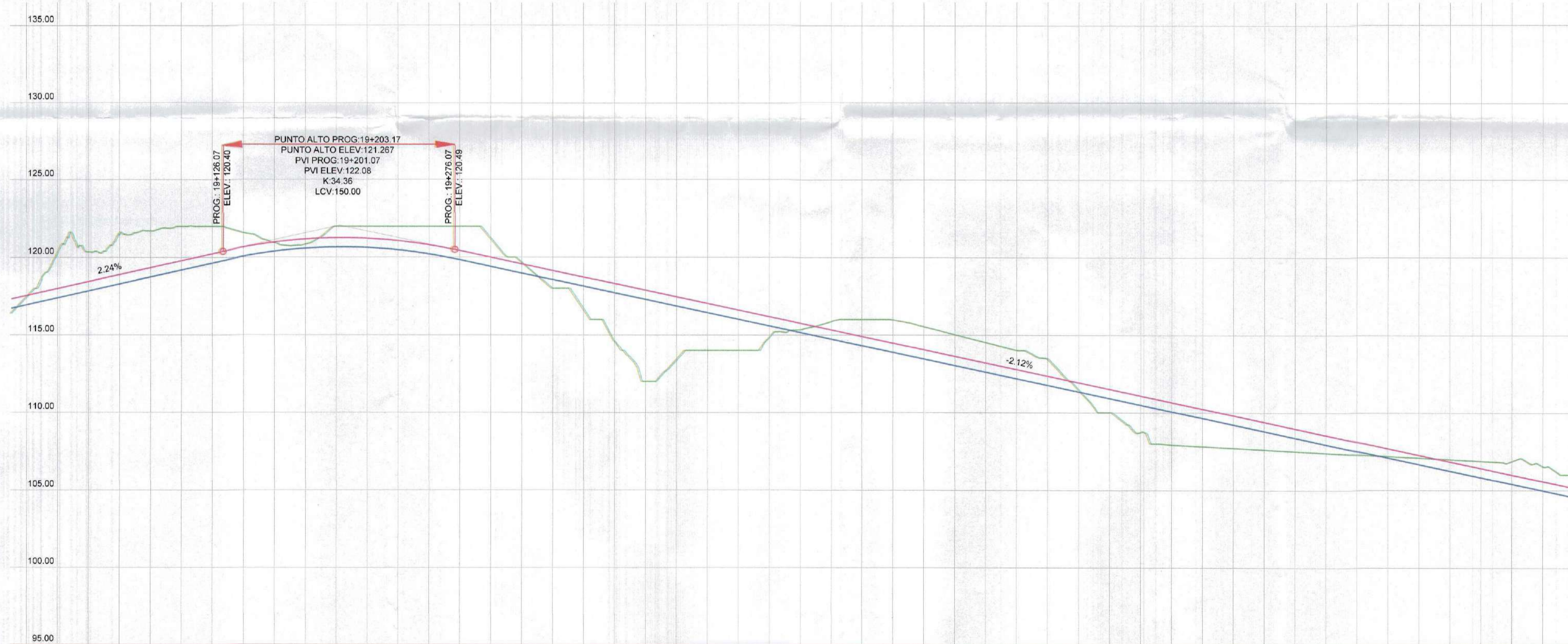
Hoja: P.PL-30



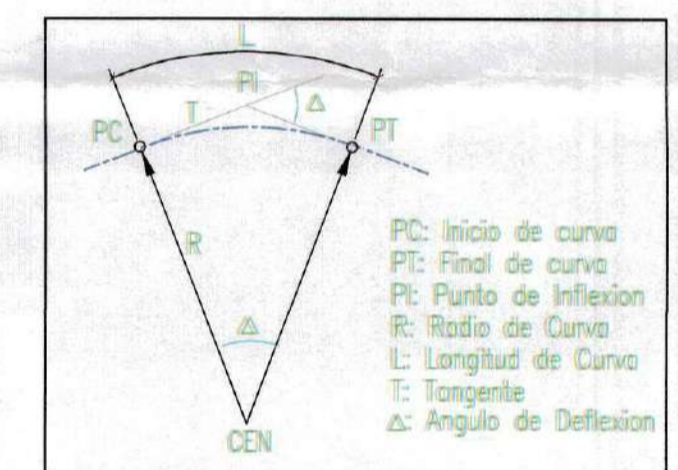
UBICACION
ESC.: 1/20000

LEYENDA

PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
	Numero de curva



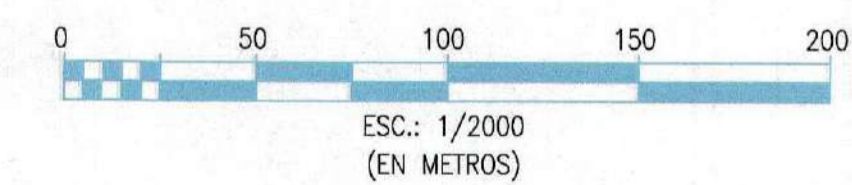
ELEMENTOS DE CURVA CIRCULAR



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 033

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINISTR. DOCUMENTARIA
FOLIO N° 3

N°	ANGULO	R	T	L	C	E	F	P	SA	LONGITUD DE TRANSICION				
1	2	3	4	5	6	7	8	9	10	11				
01.00	24.30	5.00	24.00	207.50	62.98	122.02	120.91	7.10	8.90	2.41	9.30	7.99	9.44	10.44



PROGRESIVAS	COTA DE TERRENO	RASANTE	SUB-RASANTE	CORTE	RELLENO	PENDIENTE	ALINEAMIENTO
19+000.00	116.96	117.57	117.50	0.54		S=2.24% L=142.70	R=267.90 L=122.02
19+050.00	117.41	118.02	120.42	3.01			
19+100.00	117.86	118.47	120.35	2.49			
19+150.00	118.31	118.92	121.65	3.34			
19+200.00	118.76	119.37	121.71	2.95			
19+250.00	119.21	119.82	122.00	2.79			
19+300.00	119.66	120.27	122.00	2.34			
19+350.00	120.08	120.69	121.58	1.50			
19+400.00	120.39	121.00	120.92	0.53			
19+450.00	120.68	121.19	120.85	0.27			
19+500.00	120.95	121.27	122.00	1.34			
19+550.00	121.23	122.00	19+220.00	1.38			
19+600.00	121.47	122.00	19+250.00	1.55			
19+650.00	121.69	121.80	19+280.00	1.81			
19+700.00	121.81	120.41	19+280.00	2.19			
19+750.00	121.99	119.99	121.14	1.76			
19+800.00	122.06	119.56	119.52	0.86			
19+850.00	122.08	119.14	118.00	118.54			
19+900.00	122.09	118.71	116.56	118.11			
19+950.00	122.10	118.28	114.54	117.69			
20+000.00	122.11	117.85	112.00	117.26			
20+050.00	122.12	117.44	113.47	116.84			
20+100.00	122.13	117.02	114.00	116.41			
20+150.00	122.14	116.59	114.00	115.99			
20+200.00	122.15	116.17	114.91	115.57			
20+250.00	122.16	115.74	115.34	115.14			
20+300.00	122.17	115.32	115.88	114.72			
20+350.00	122.18	114.89	115.00	114.29			
20+400.00	122.19	114.47	115.06	113.87			
20+450.00	122.20	114.05	115.52	113.44			
20+500.00	122.21	113.62	115.01	113.02			
20+550.00	122.22	113.20	114.51	112.60			
20+600.00	122.23	112.77	114.01	112.17			
20+650.00	122.24	112.35	113.41	111.75			
20+700.00	122.25	111.92	111.41	111.32			
20+750.00	122.26	111.50	111.00	110.90			
20+800.00	122.27	111.08	107.75	110.47			
20+850.00	122.28	110.65	107.92	110.05			
20+900.00	122.29	110.23	107.82	109.63			
20+950.00	122.30	109.80	107.71	109.20			
21+000.00	122.31	109.38	107.61	108.78			
21+050.00	122.32	108.95	107.50	108.35			
21+100.00	122.33	108.53	107.40	107.93			
21+150.00	122.34	108.10	107.29	107.50			
21+200.00	122.35	107.68	107.19	107.08			
21+250.00	122.36	107.26	107.08	106.66			
21+300.00	122.37	106.83	106.96	106.23			
21+350.00	122.38	106.41	106.87	105.81			
21+400.00	122.39	105.98	106.88	105.38			
21+450.00	122.40	105.56	106.81	104.96			
21+500.00	122.41	105.13	106.84	104.53			

PERFIL LONGITUDINAL
ESCALA H-V= 1/2000



Erick Fernando León Herrera
INGENIERO CIVIL
Reg. CIP 212975

GOBIERNO REGIONAL TUMBES

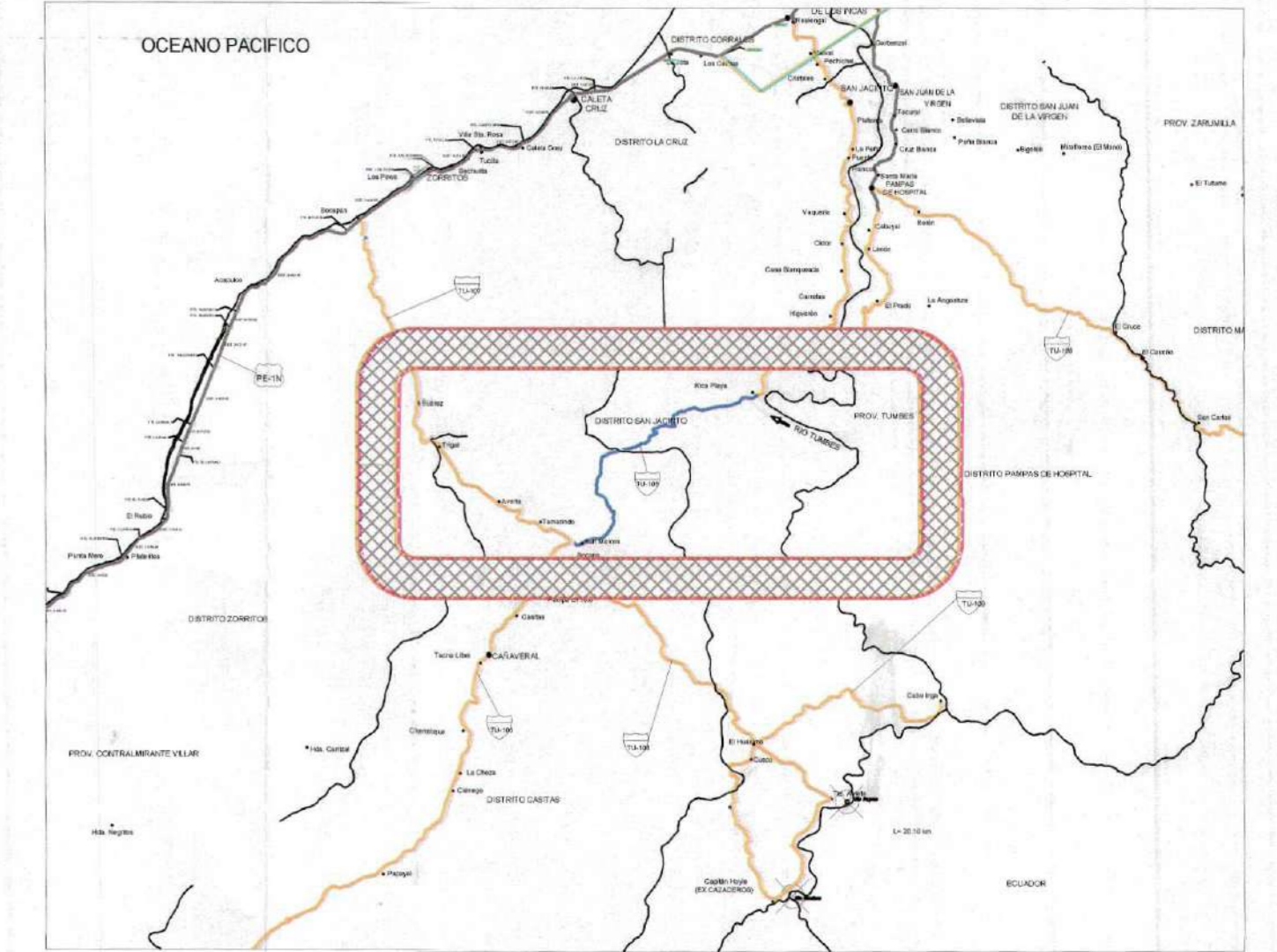
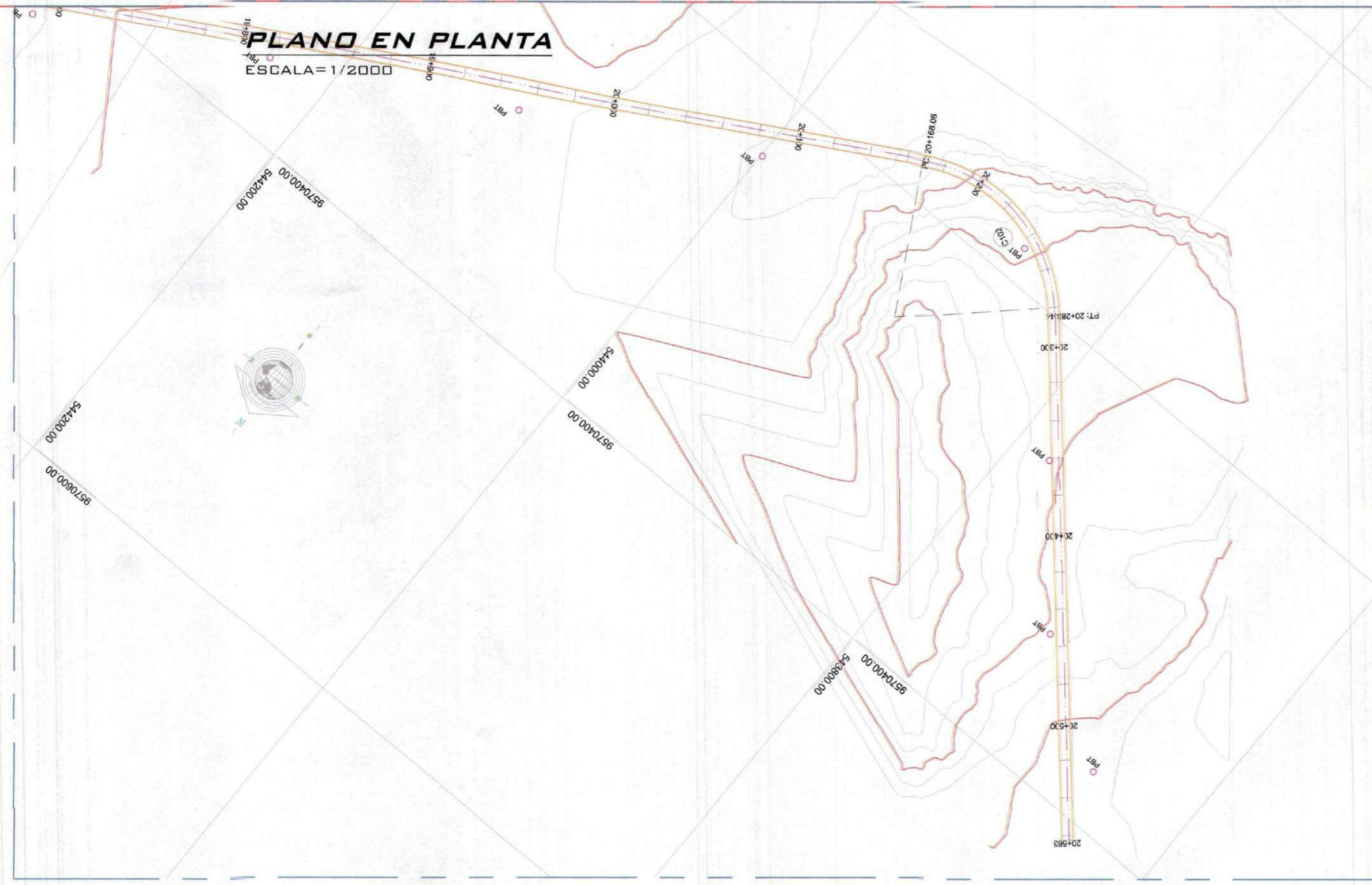
GOBIERNO REGIONAL GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional: ING. WILMER DIOS BENITES
Gerencia General: DR. HAROLD BURGOS HERRERA
VºP Gerencia Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ
Aprobado y esbo Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE

Proyectista: ERICK F. LEON HEREDIA
Escala: INDICADA
Fecha: []
Lamina N°: []

PLANTA PERFIL LONGITUDINAL
Prog: 19+000 - 20+000

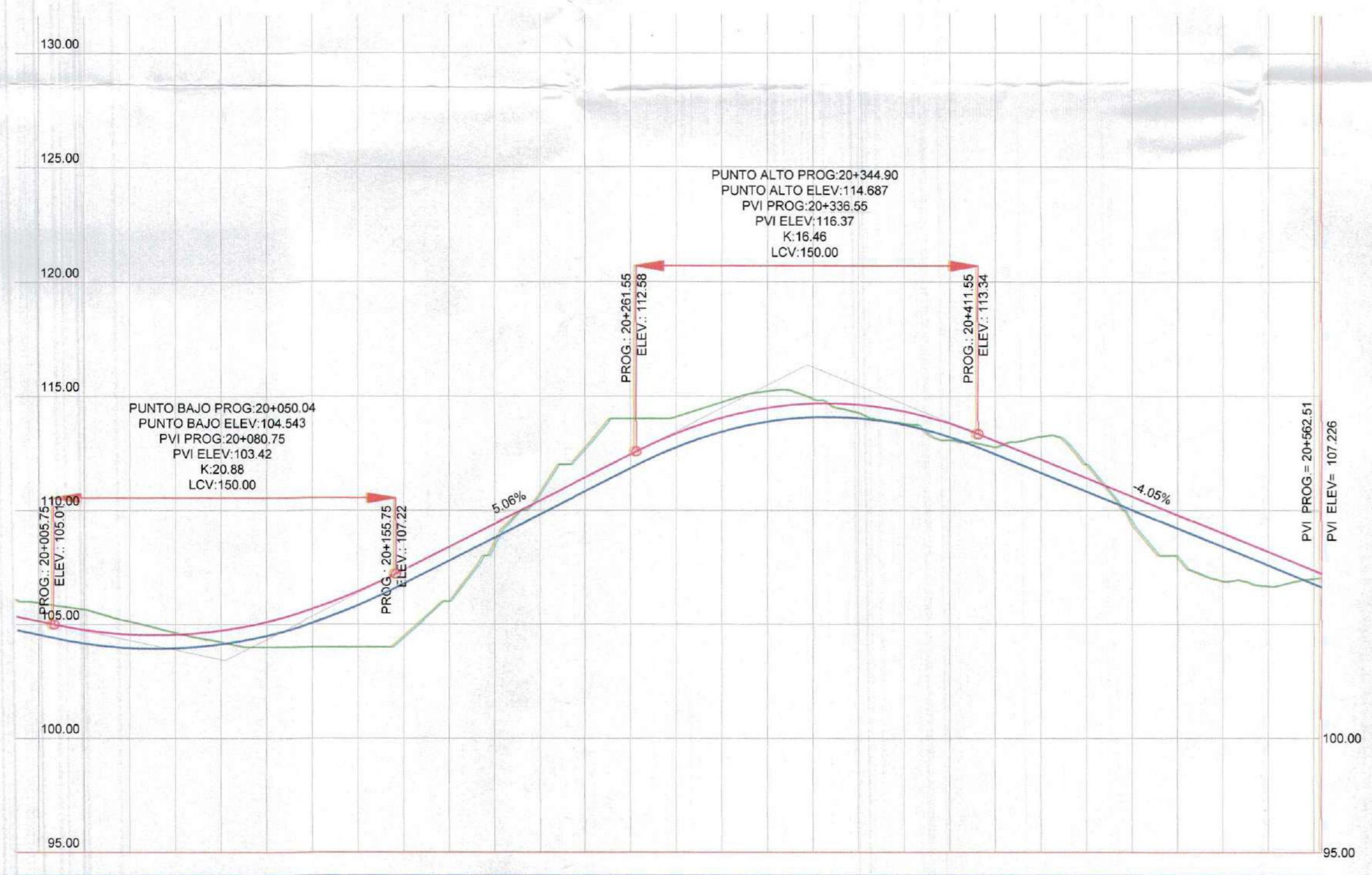
GUTAL: DATUM WUG 84 | Topografo: TUMBES | Provisista: TUMBES | Oficina: SAN JACINTO CASITAS | P.PL-31



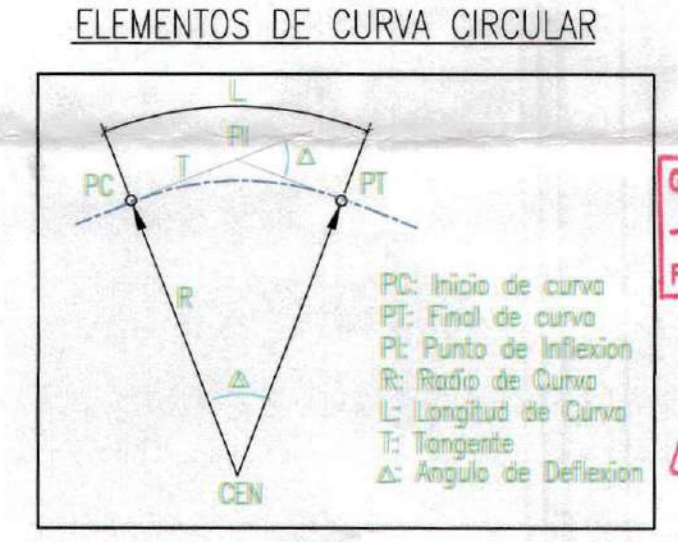
UBICACION
ESC.: 1/20000

LEYENDA

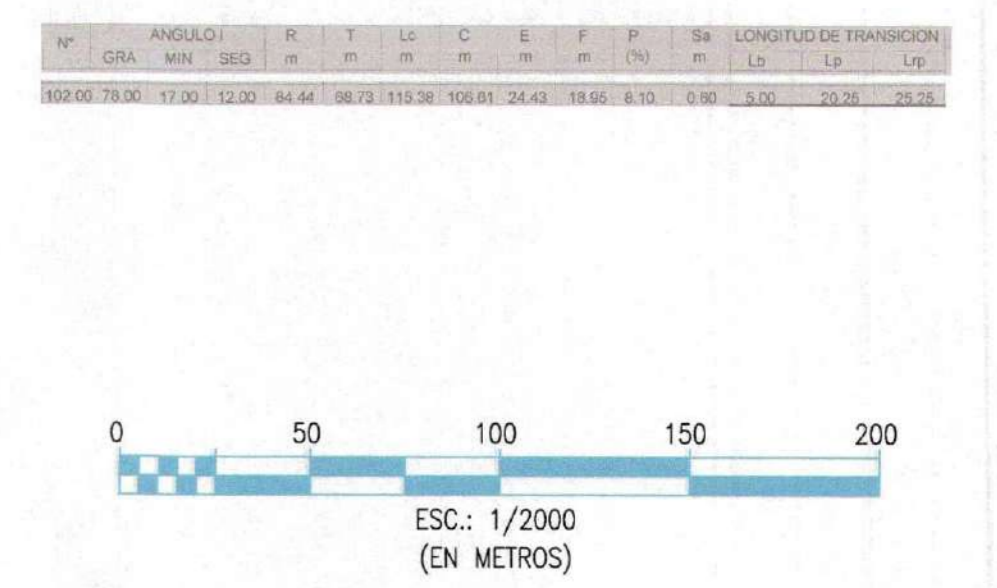
PC	Punto de comienzo
PI	punto de interseccion
PT	Punto de termino
	Curva de Nivel
	B.M.
CN*	Numero de curva



PROGRESIVAS	COTA DE TERRENO	CORTE	ALTURA	PENDIENTE	ALINEAMIENTO
20+000.00	105.94	1.40	1.40	LCV=150.00	R=84.44 L=115.38
20+020.00	105.62	1.49	1.49		
20+040.00	105.11	1.14	1.14	S=5.06% L=105.80	LCV=150.00
20+060.00	104.62	0.65	0.65		
20+080.00	104.21	0.05	0.05	S=-4.05% L=150.56	LCV=150.00
20+100.00	104.00	0.04	0.04		
20+120.00	104.00	0.05	0.05	S=5.06% L=105.80	LCV=150.00
20+140.00	104.49	1.03	1.03		
20+160.00	104.49	1.06	1.06	S=5.06% L=105.80	LCV=150.00
20+180.00	104.98	1.07	1.07		
20+200.00	104.98	1.08	1.08	S=5.06% L=105.80	LCV=150.00
20+220.00	104.98	1.08	1.08		
20+240.00	110.81	0.95	0.95	S=5.06% L=105.80	LCV=150.00
20+260.00	112.75	1.88	1.88		
20+280.00	114.00	2.12	2.12	S=5.06% L=105.80	LCV=150.00
20+300.00	114.10	1.30	1.30		
20+320.00	114.74	1.27	1.27	S=5.06% L=105.80	LCV=150.00
20+340.00	114.74	1.32	1.32		
20+360.00	115.21	0.77	0.77	S=5.06% L=105.80	LCV=150.00
20+380.00	115.21	0.23	0.23		
20+400.00	114.85	0.05	0.05	S=5.06% L=105.80	LCV=150.00
20+420.00	114.85	0.08	0.08		
20+440.00	114.25	0.08	0.08	S=5.06% L=105.80	LCV=150.00
20+460.00	113.77	0.06	0.06		
20+480.00	113.77	0.36	0.36	S=5.06% L=105.80	LCV=150.00
20+500.00	113.06	1.63	1.63		
20+520.00	112.76	1.20	1.20	S=5.06% L=105.80	LCV=150.00
20+540.00	112.22	0.26	0.26		
20+560.00	111.98	0.40	0.40	S=5.06% L=105.80	LCV=150.00
20+580.00	111.98	0.26	0.26		
20+600.00	111.38	0.08	0.08	S=5.06% L=105.80	LCV=150.00
20+620.00	111.38	0.08	0.08		
20+640.00	109.33	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+660.00	109.33	0.26	0.26		
20+680.00	107.88	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+700.00	107.88	0.26	0.26		
20+720.00	107.88	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+740.00	107.88	0.26	0.26		
20+760.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+780.00	107.23	0.26	0.26		
20+800.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+820.00	107.23	0.26	0.26		
20+840.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+860.00	107.23	0.26	0.26		
20+880.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+900.00	107.23	0.26	0.26		
20+920.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+940.00	107.23	0.26	0.26		
20+960.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+980.00	107.23	0.26	0.26		
20+1000.00	107.23	0.26	0.26	S=5.06% L=105.80	LCV=150.00
20+1020.00	107.23	0.26	0.26		



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLO N° 082
GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINIST. DOCUMENTARIA
FOLIO N° 82



ING. WILMER DIOS BENITES
INGENIERO CIVIL
Reg. CIP 212975

GOBIERNO REGIONAL TUMBES
GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional: ING. WILMER DIOS BENITES
Gerencia General: DR. HAROLD BURGOS HERRERA
VPM Gerencia Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ
Aprobado en la Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE

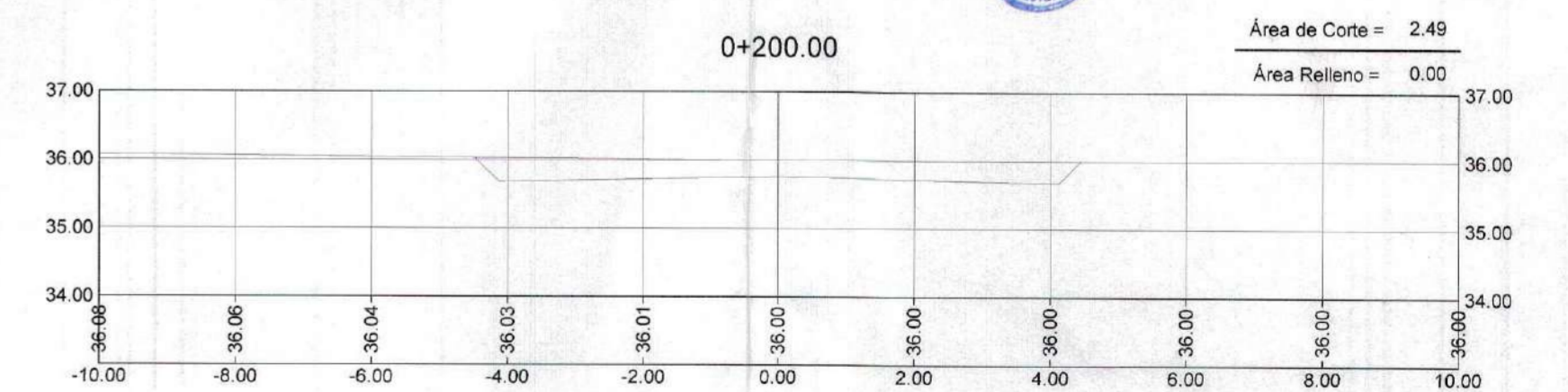
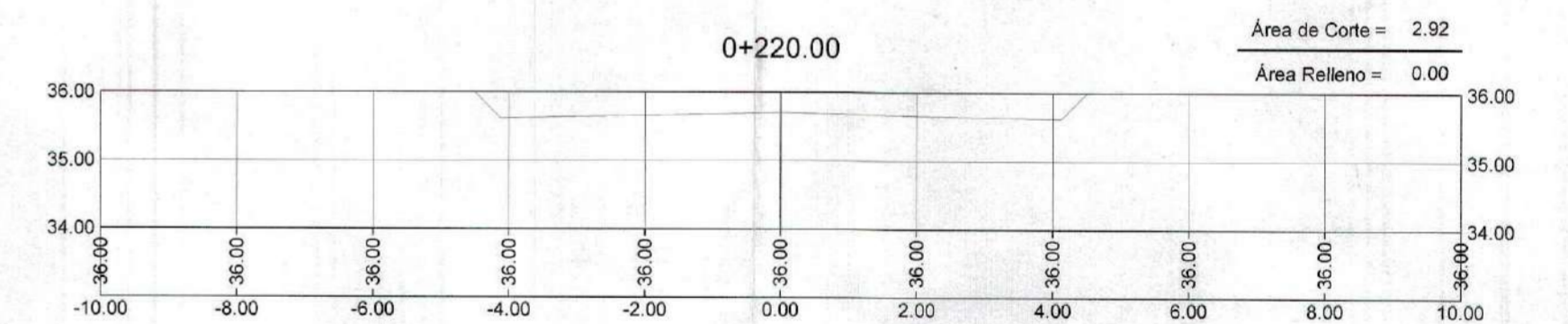
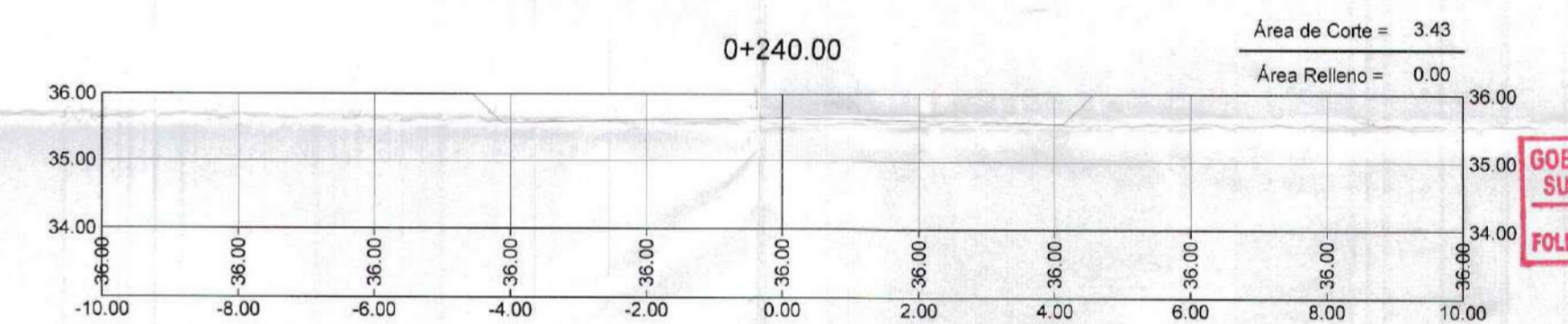
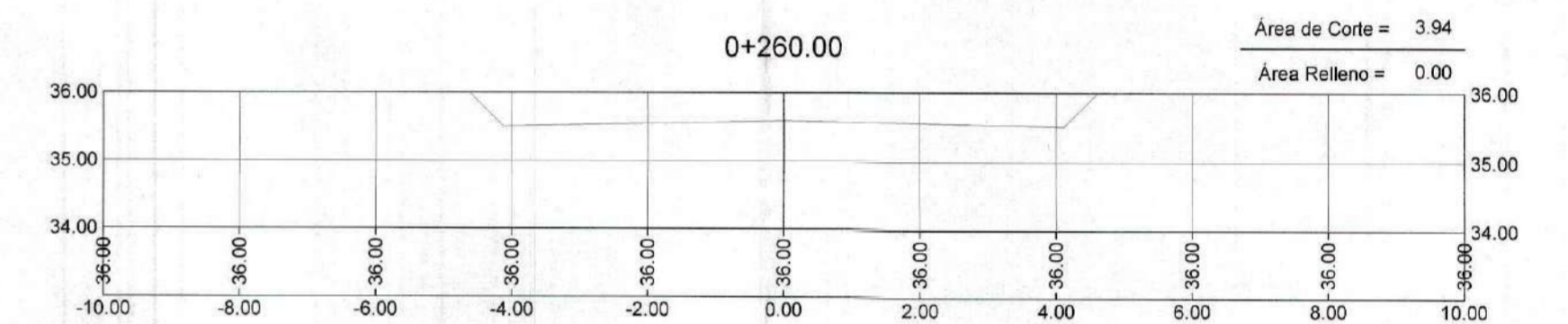
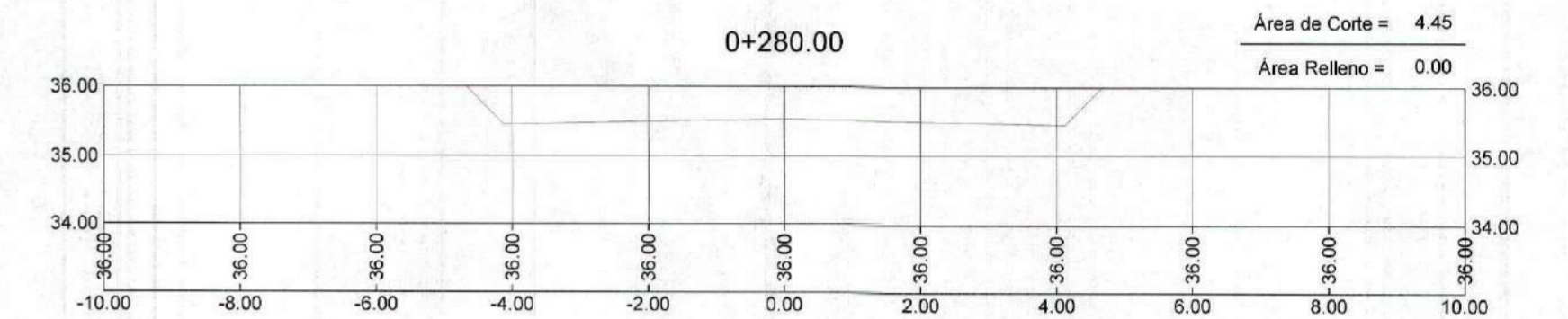
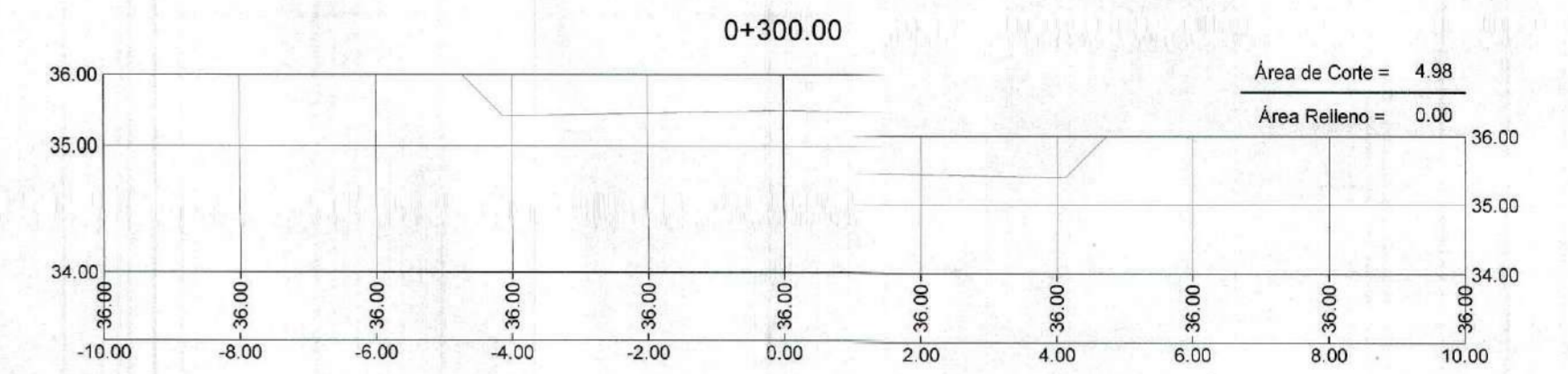
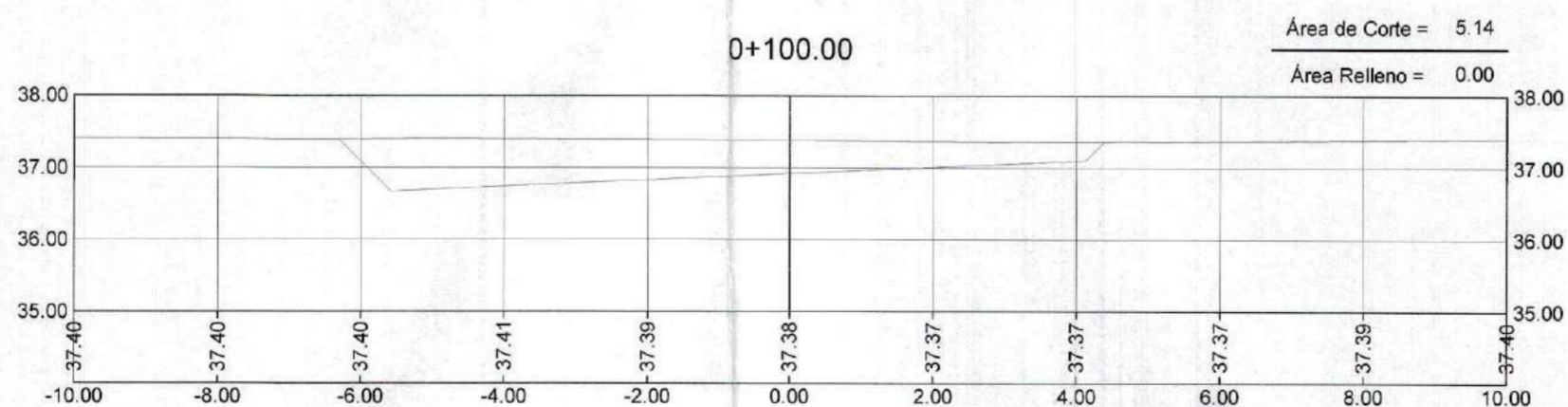
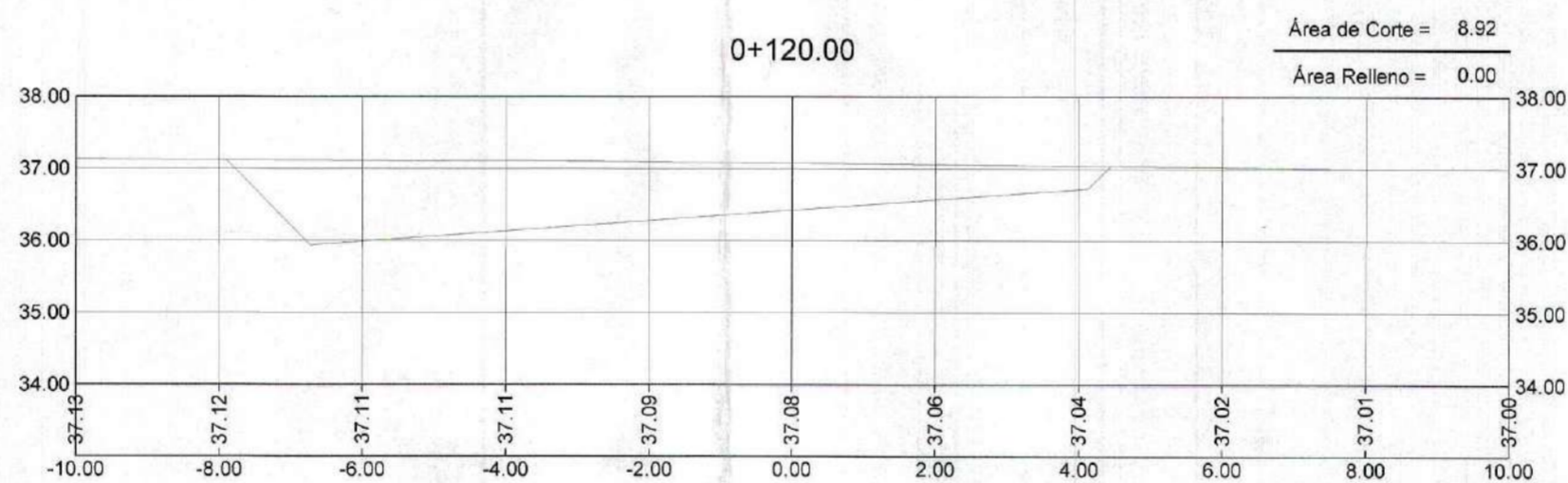
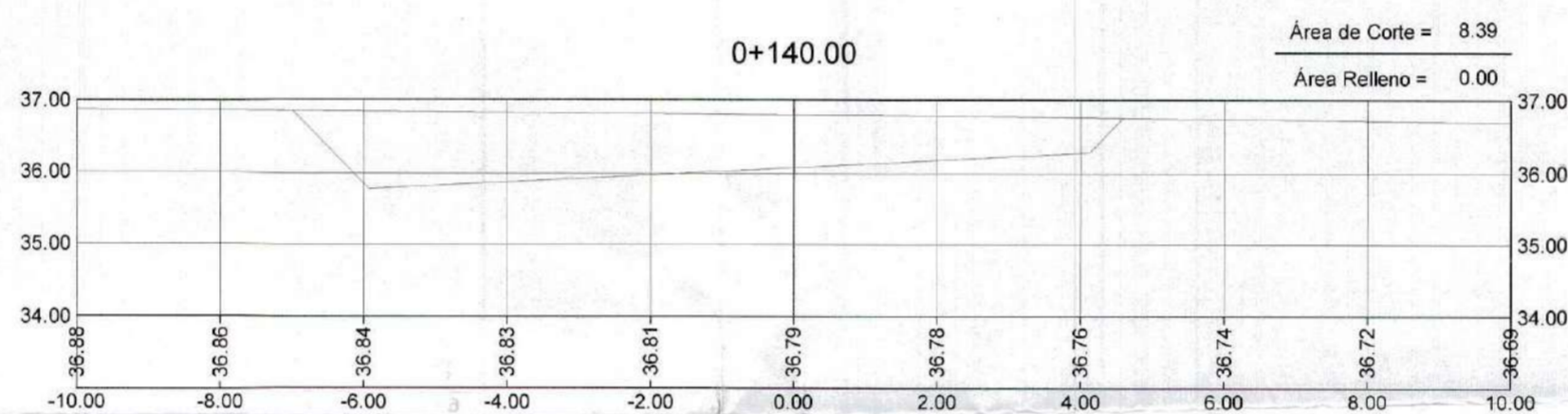
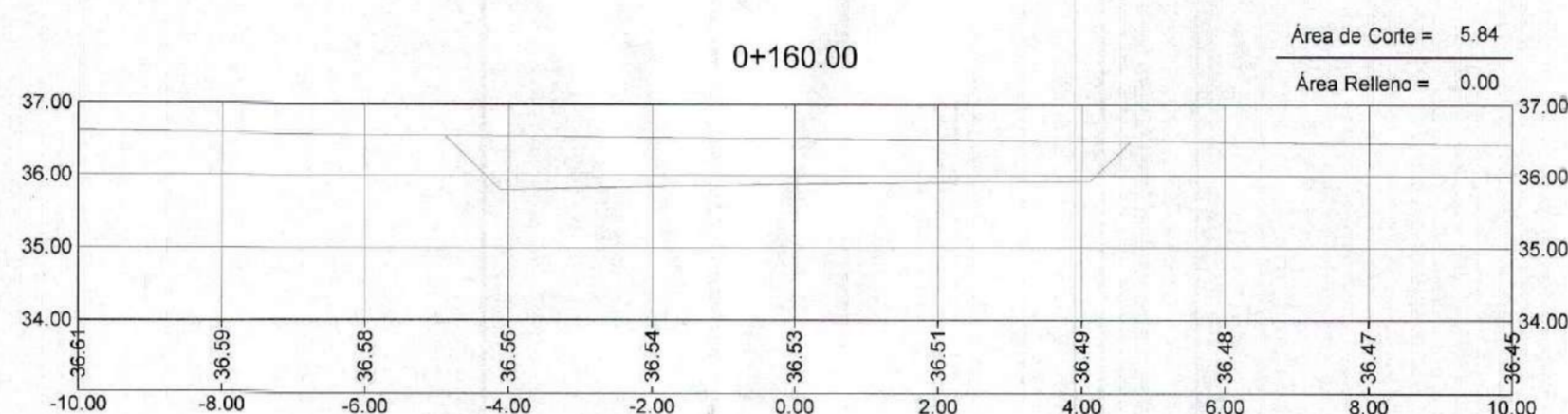
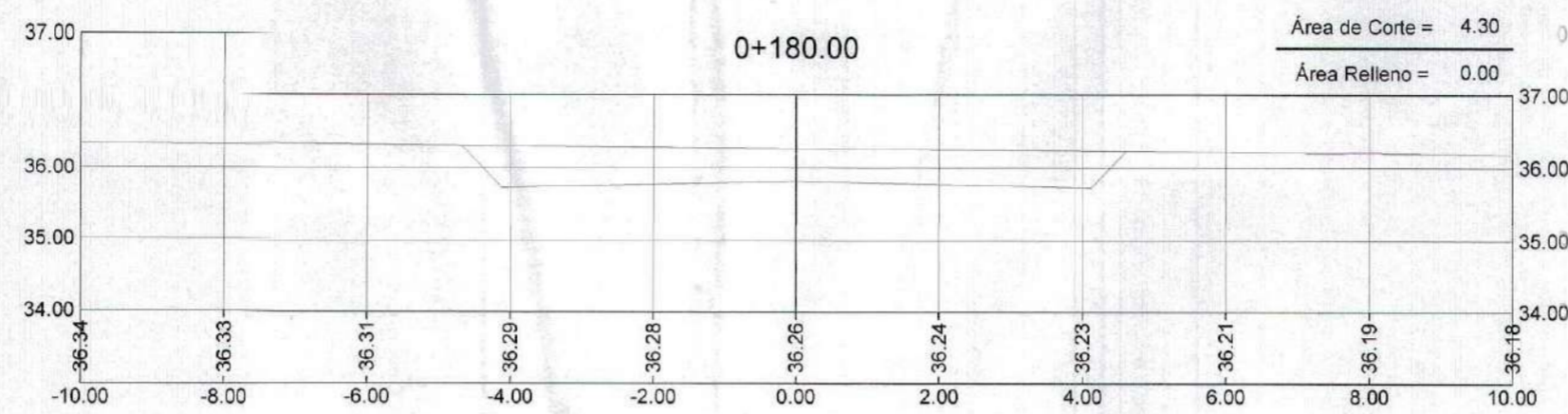
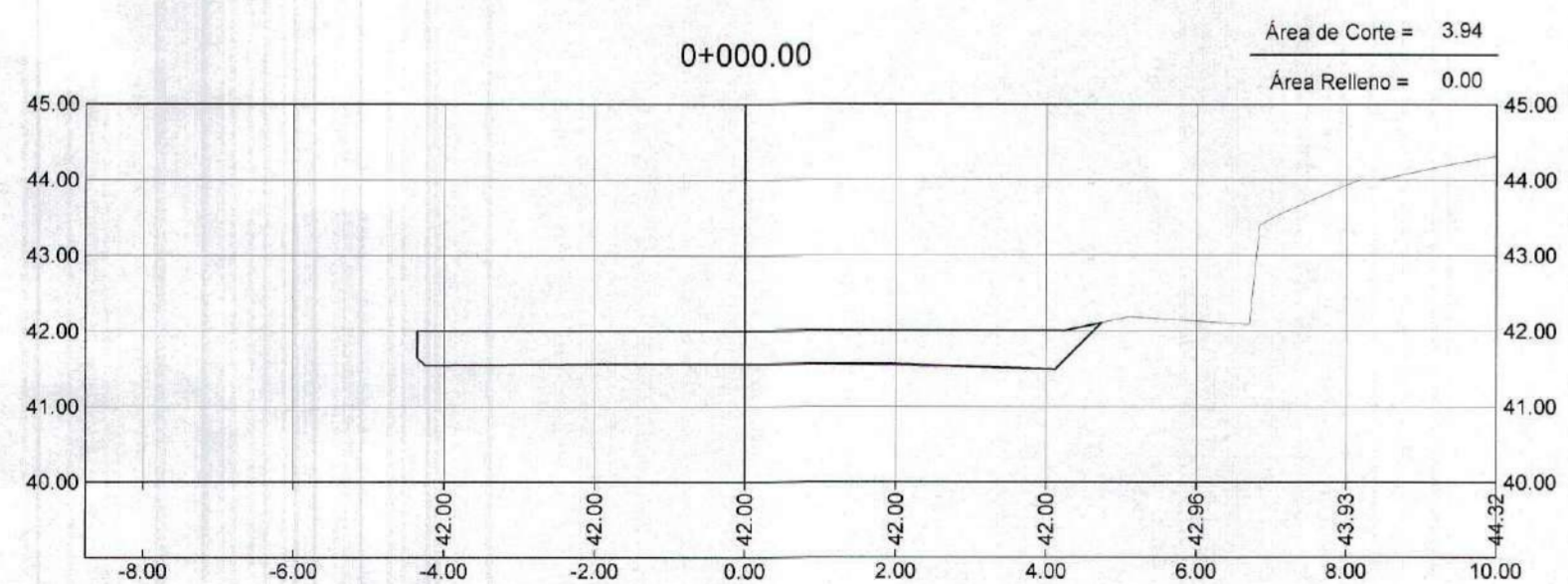
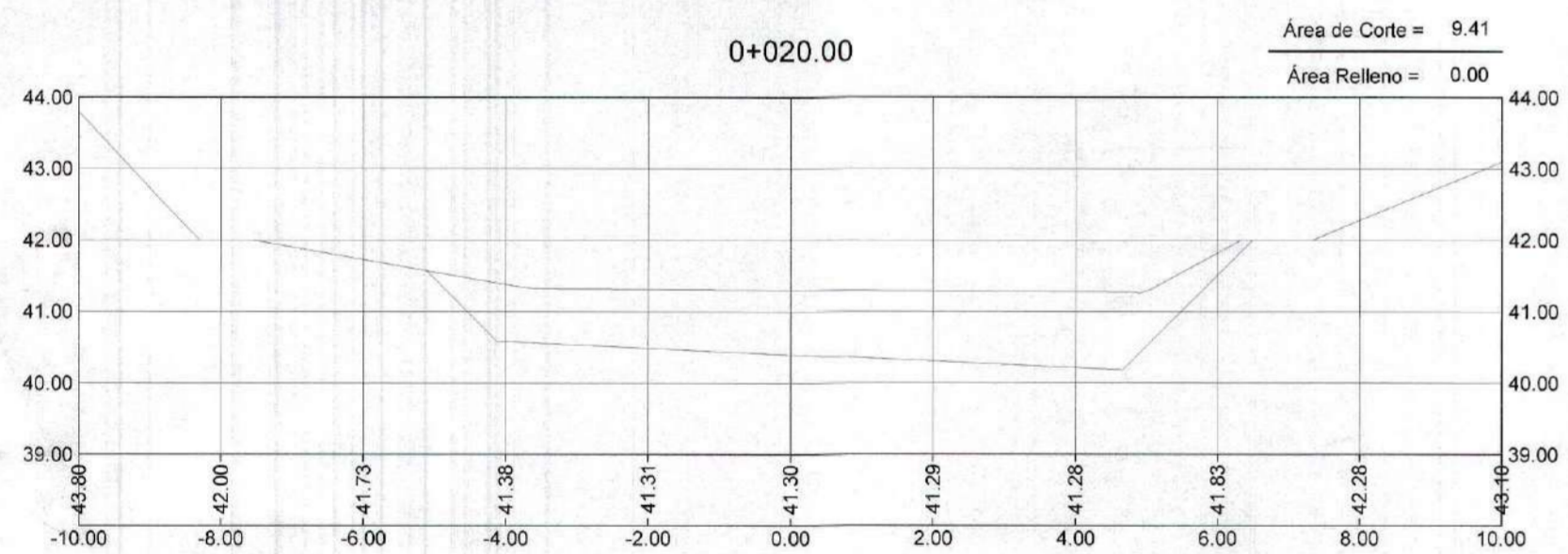
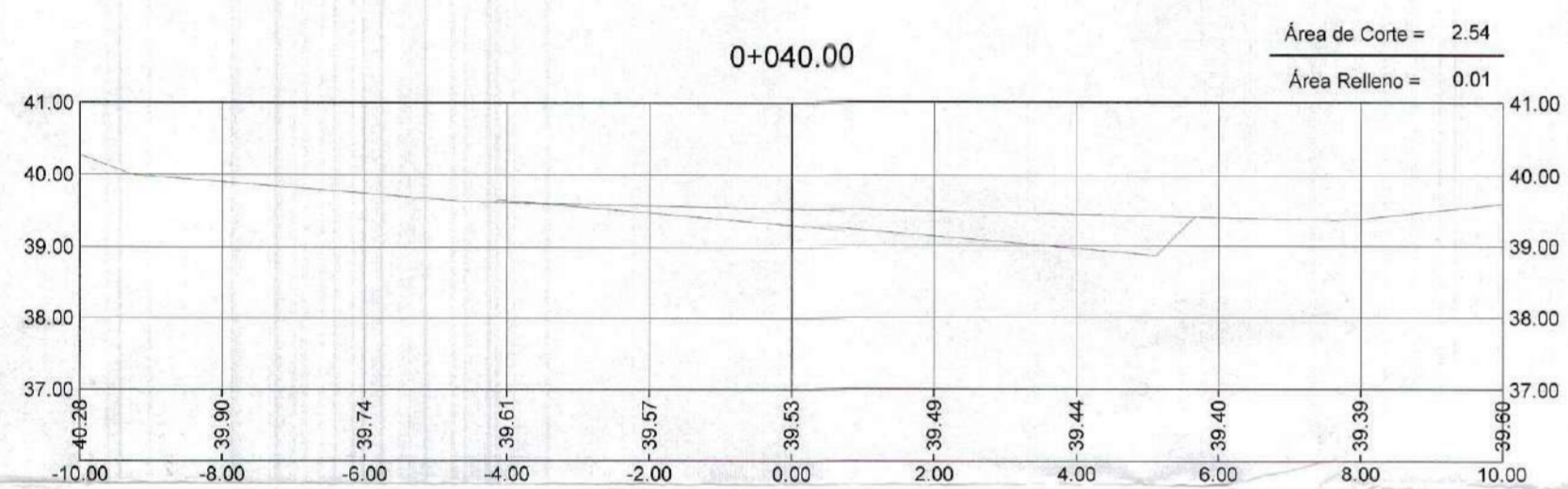
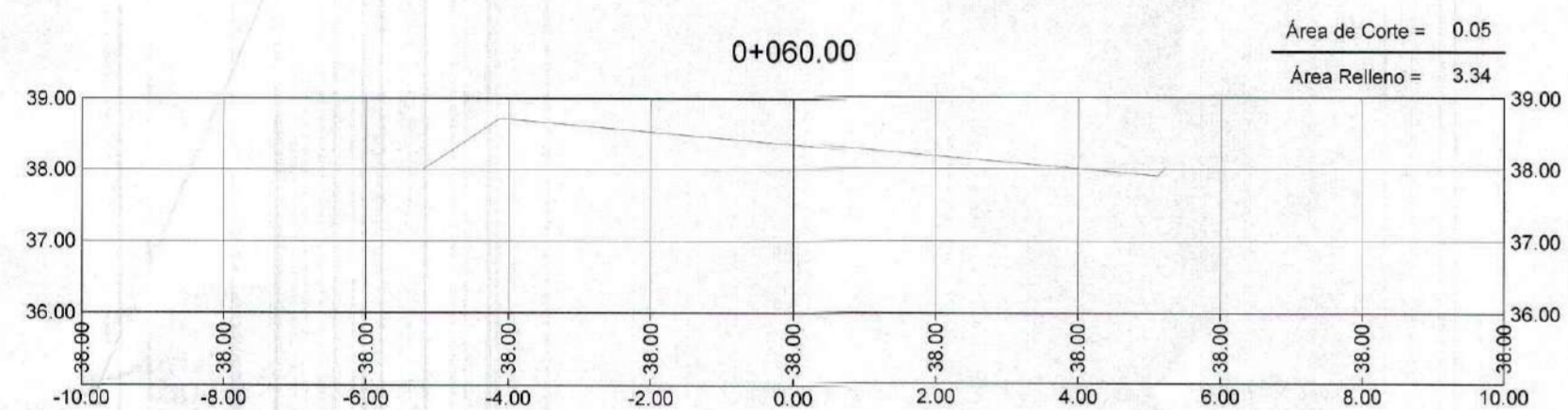
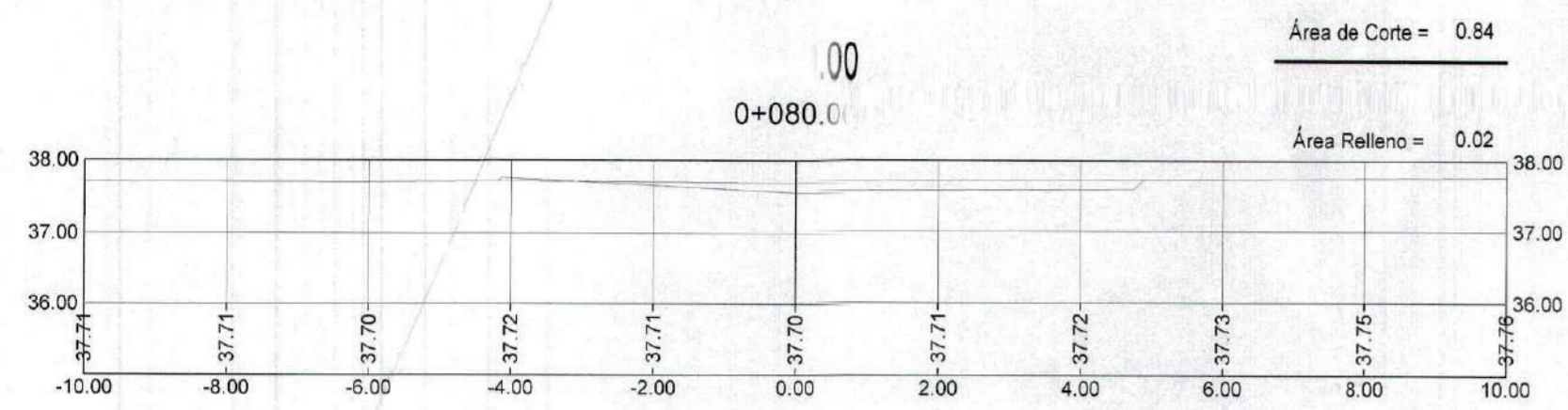
Proyecto: "REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

Plano: **PLANTA PERFIL LONGITUDINAL**
Prog: 20+000 - 20+562.51

Proyectista: ERICK F. LEON HEREDIA
Escala: INDICADA
Fecha: []
Lamina N°: []

Datada: DATUM WUG 84
Topografico: []
Departamento: TUMBES
Provincia: TUMBES
Distrito: SAN JACINTO CASITAS

P.PL-32



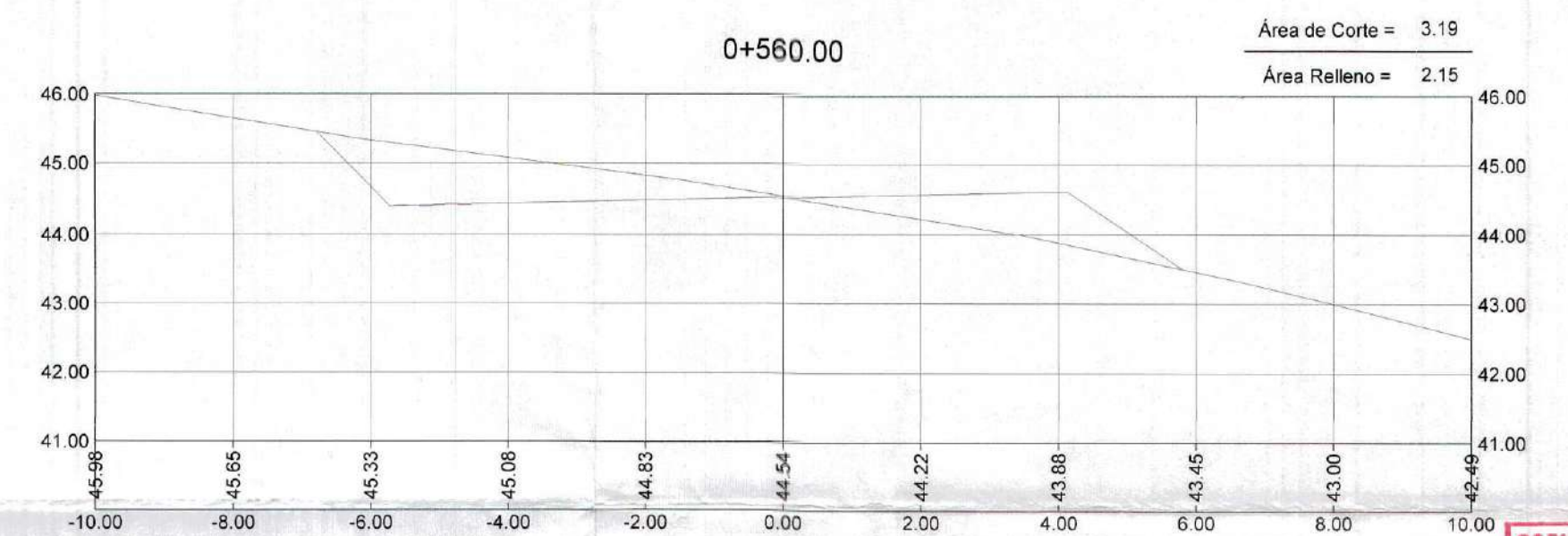
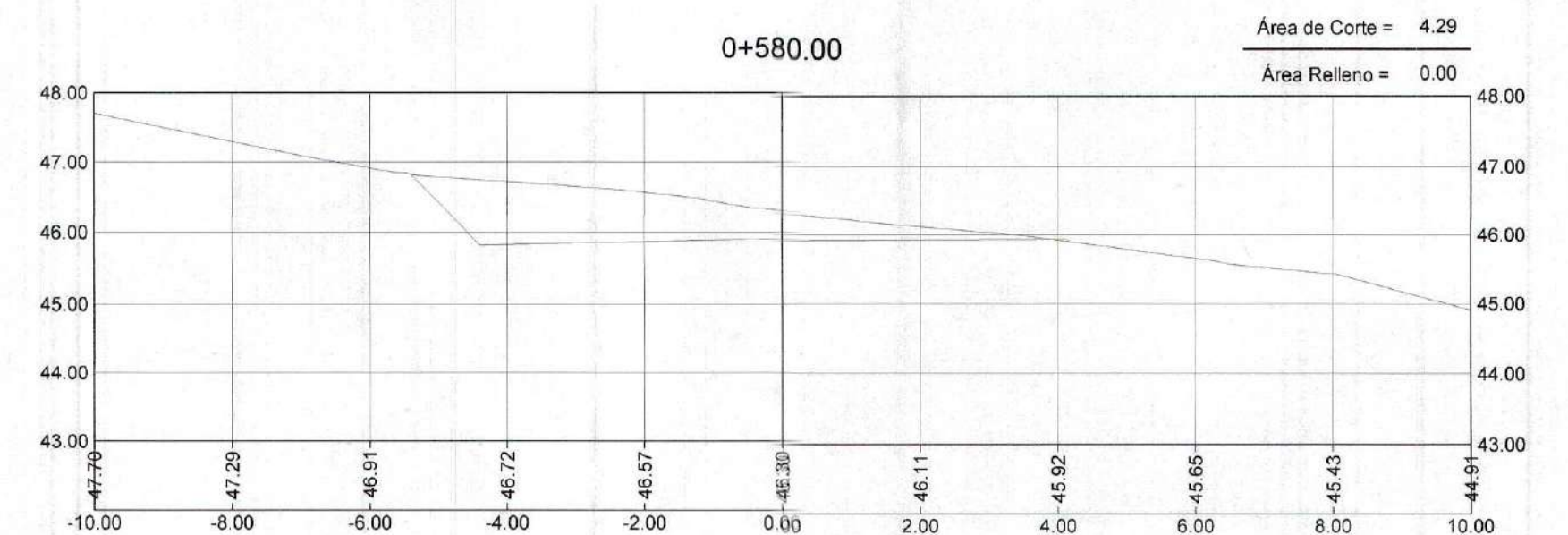
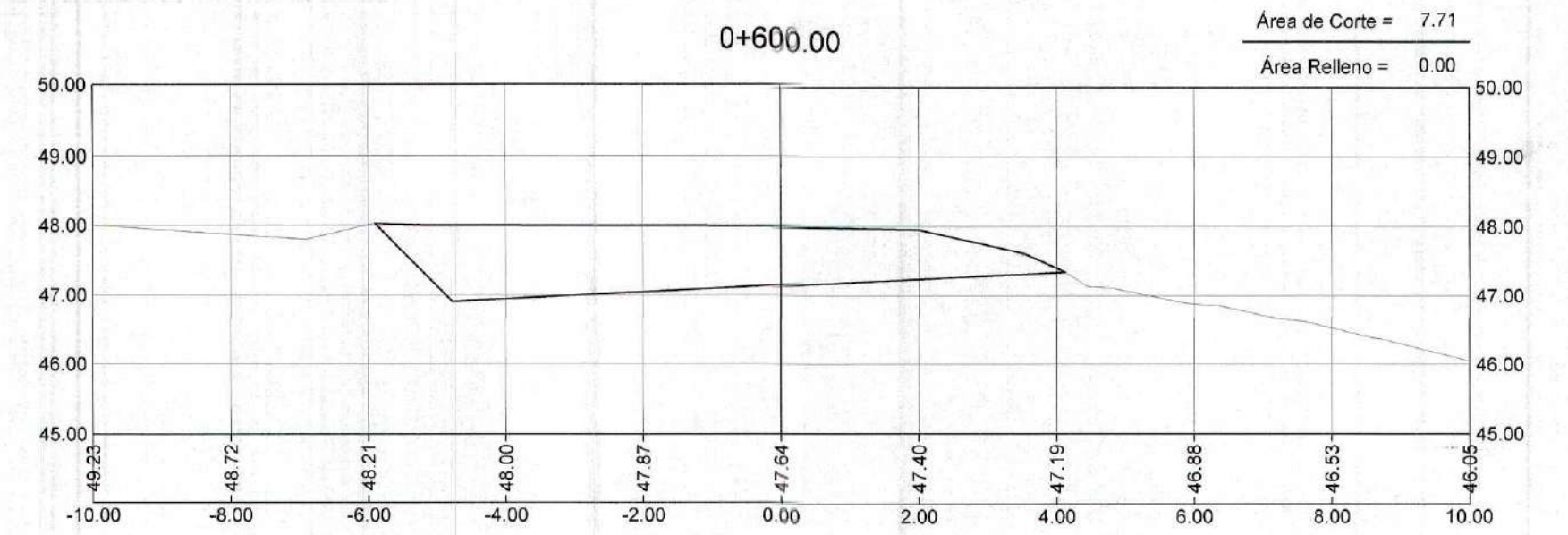
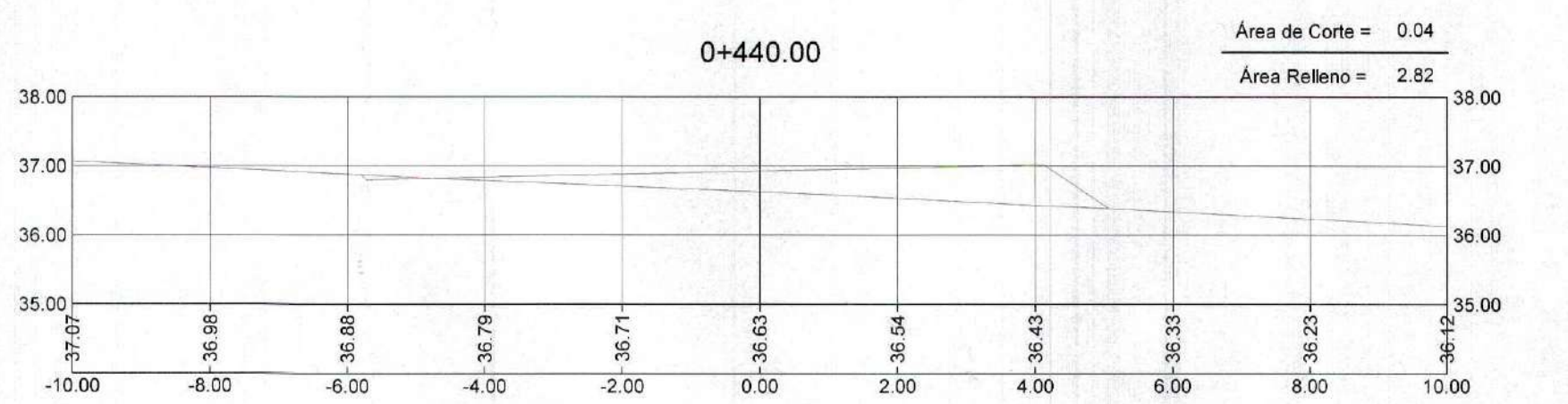
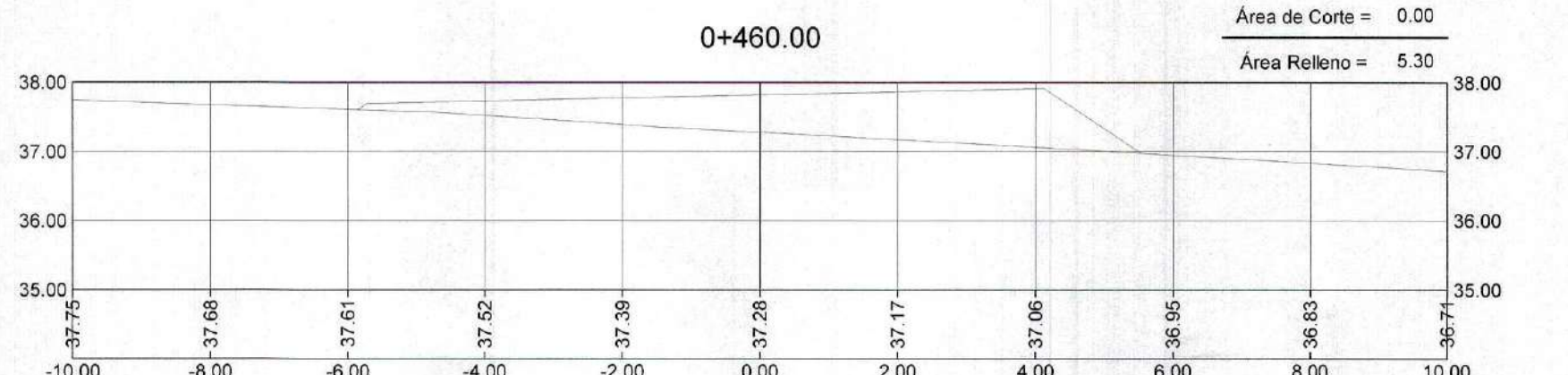
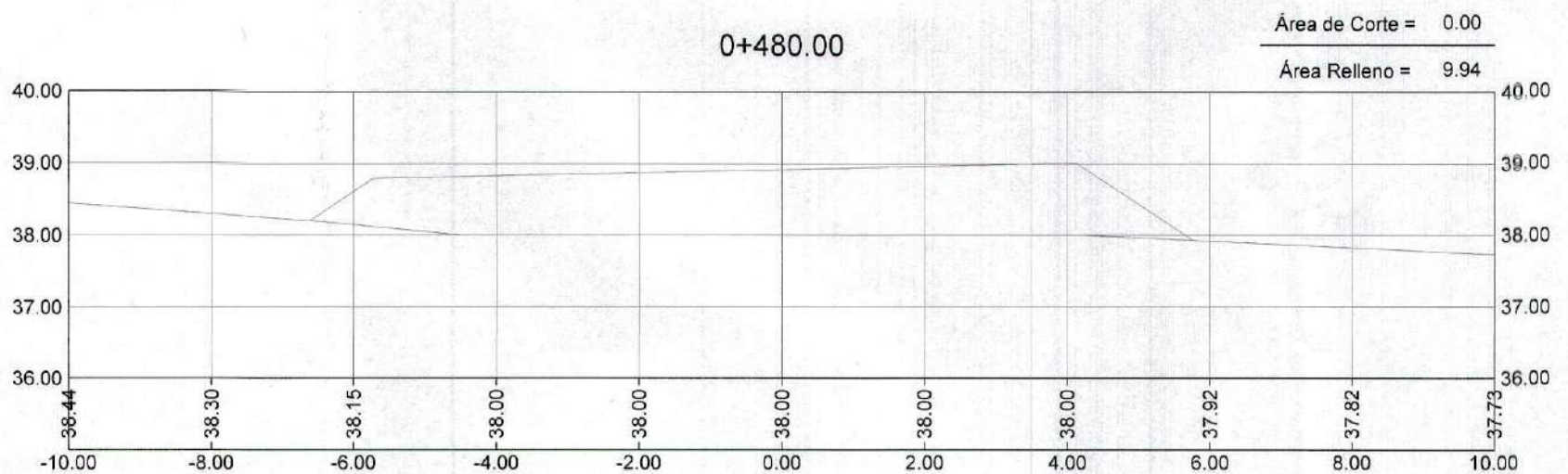
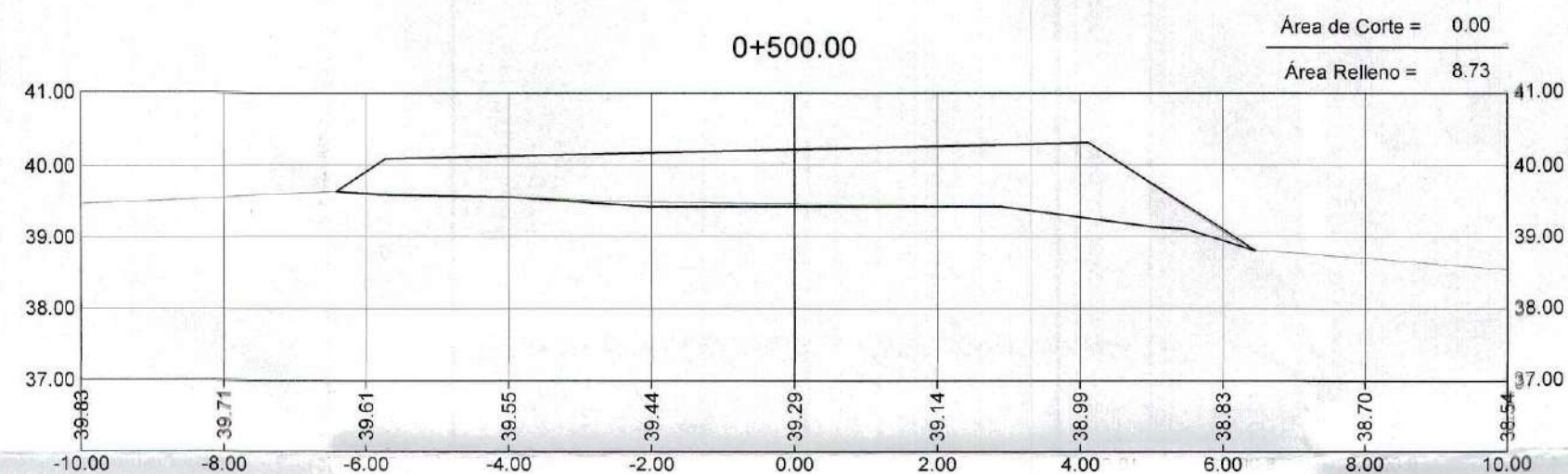
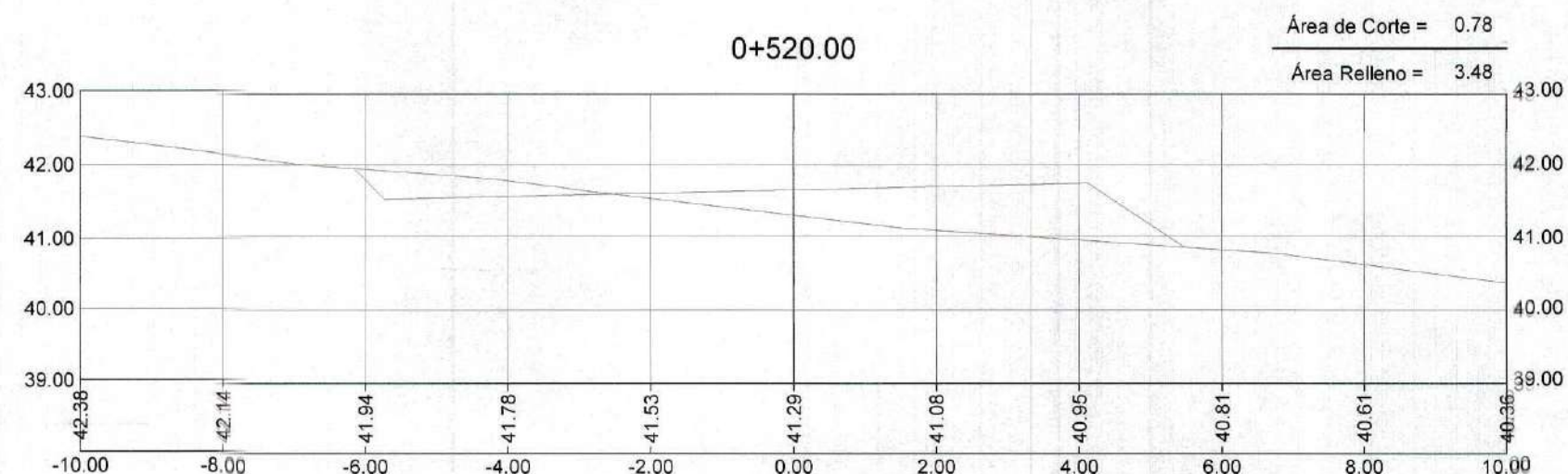
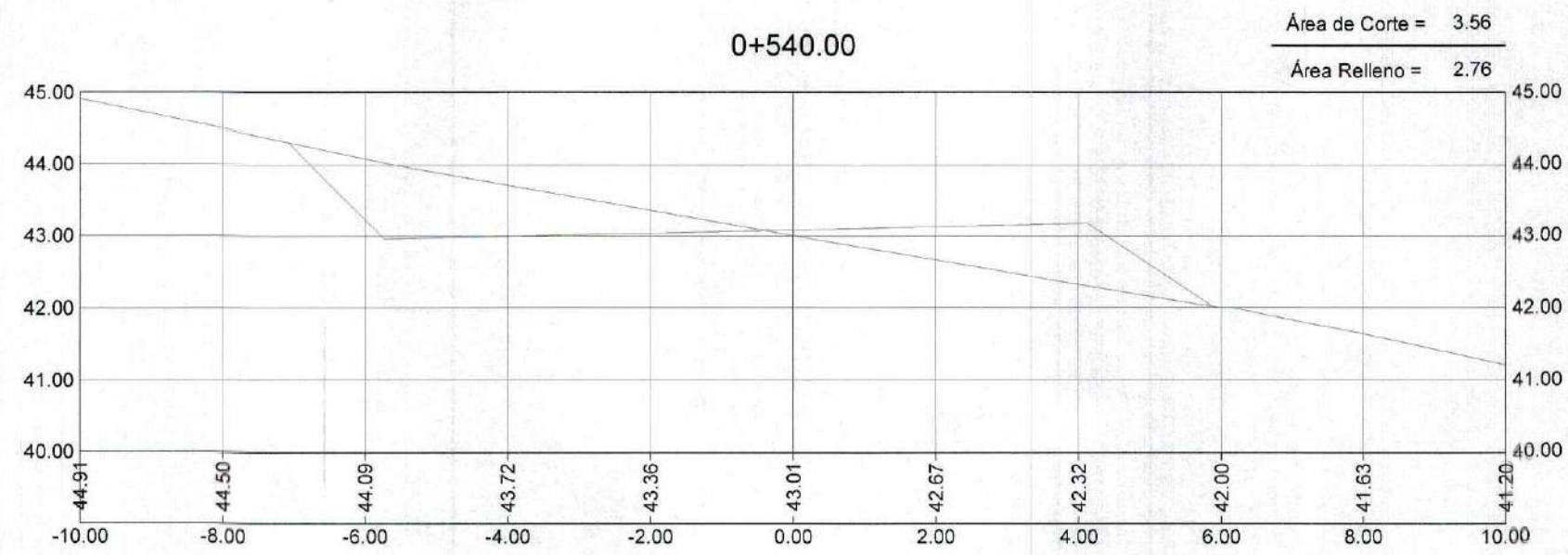
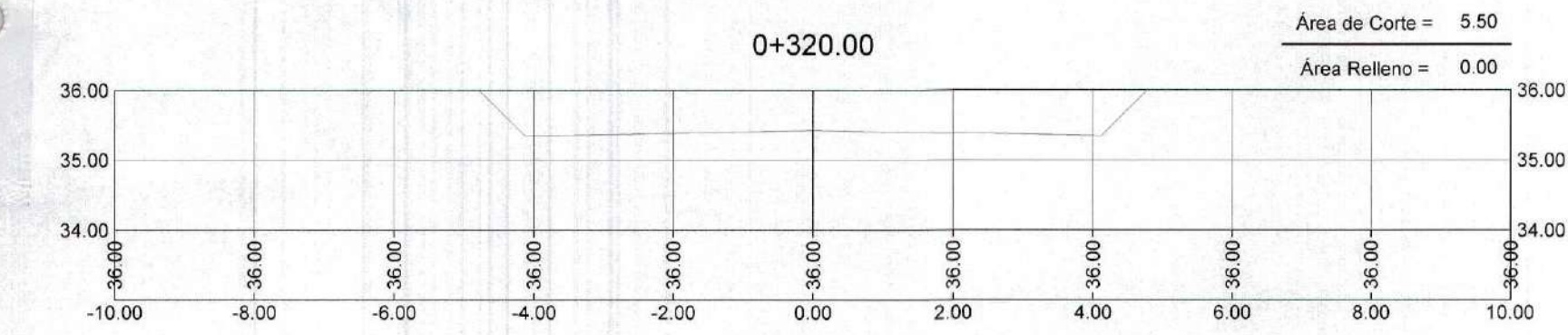
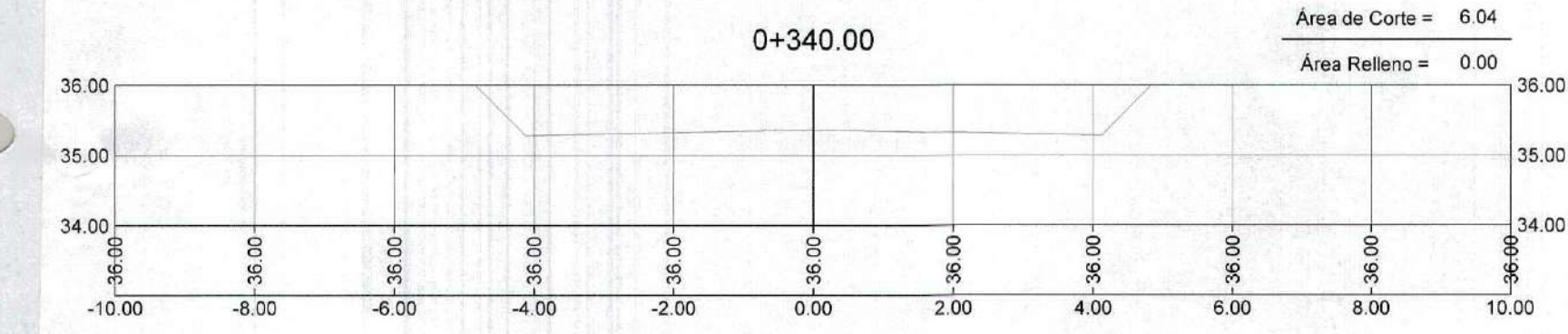
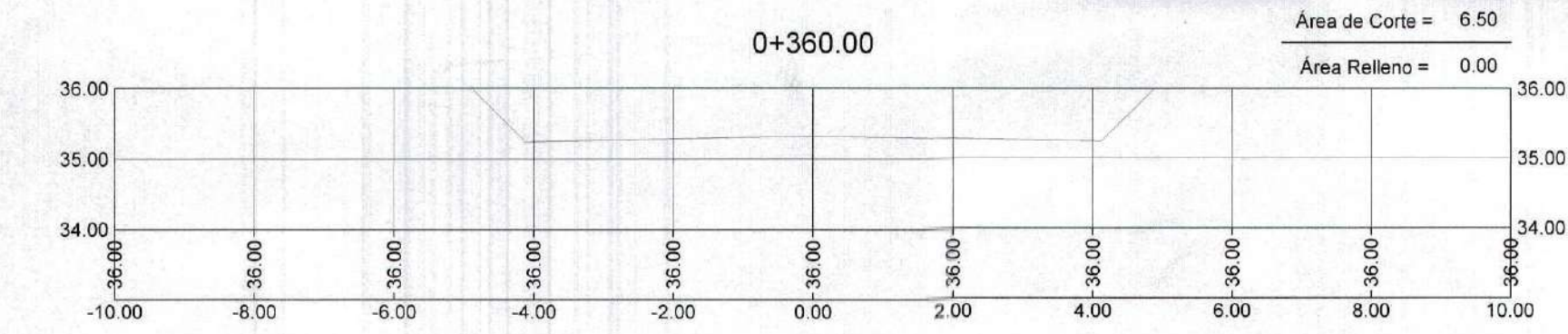
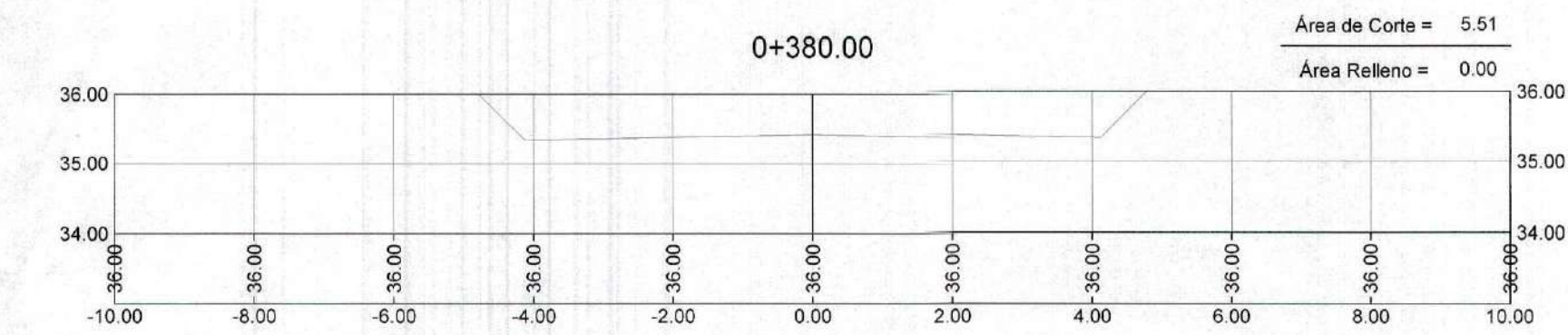
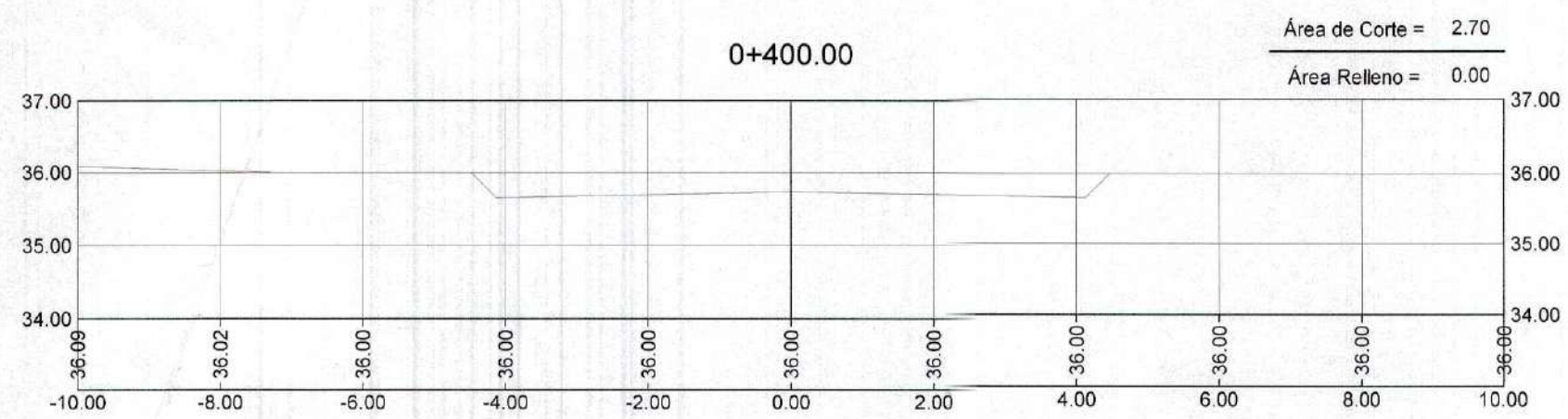
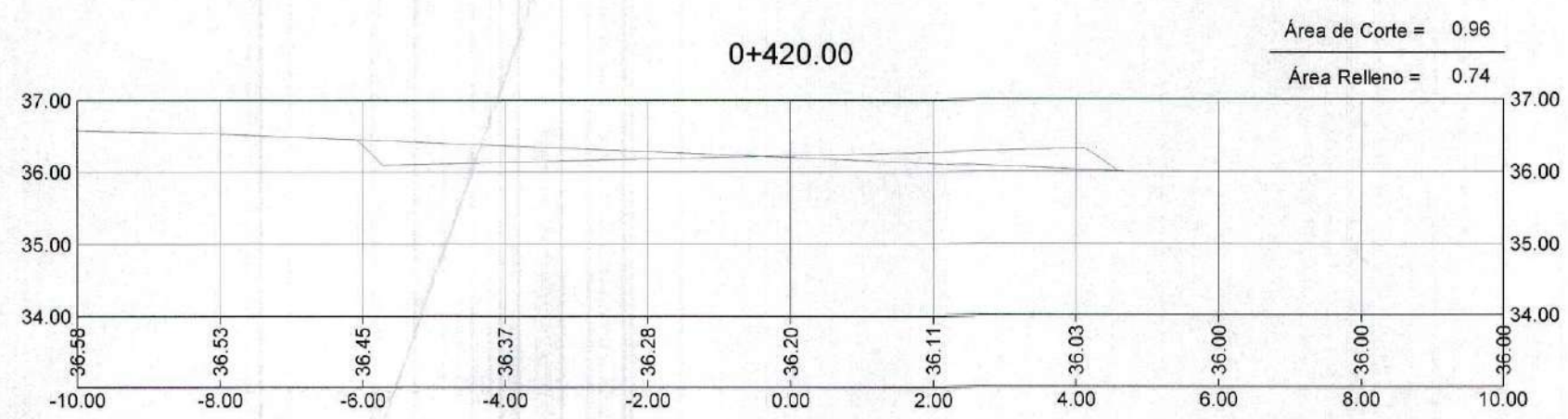
GOBIERNO REGIONAL TUMBES
 SUBGERENCIA DE ESTUDIOS
 FOLIO N° 080

GOBIERNO REGIONAL TUMBES
 SEC. GENERAL REGIONAL
 ADMINISTR. DOCUMENTARIA
 FOLIO N° 80



Erick Fernando León Heredia
 INGENIERO CIVIL
 Reg. CIP 212975

GOBIERNO REGIONAL TUMBES	
GOBIERNO REGIONAL GERENCIA REGIONAL DE INFRAESTRUCTURA	
Proyecto:	ING. WILMER DIOS BENTES
Proyecto:	ING. WILMER CORDOVA LOPEZ
Proyecto:	ING. FREDY R. SALAZAR CHONATE
SECCIONES TRANSVERSALES	
Prog: 0+000 - 0+300	
Escala:	INDICADA
Fecha:	
Provincia:	SAN JACINTO CASITAS
Departamento:	TUMBES
DATUM:	DATUM WUG 84
Proyecto:	ING. WILMER DIOS BENTES
Proyecto:	ING. WILMER CORDOVA LOPEZ
Proyecto:	ING. FREDY R. SALAZAR CHONATE
SECCIONES TRANSVERSALES	
Prog: 0+000 - 0+300	
Escala:	INDICADA
Fecha:	
Provincia:	SAN JACINTO CASITAS
Departamento:	TUMBES
DATUM:	DATUM WUG 84

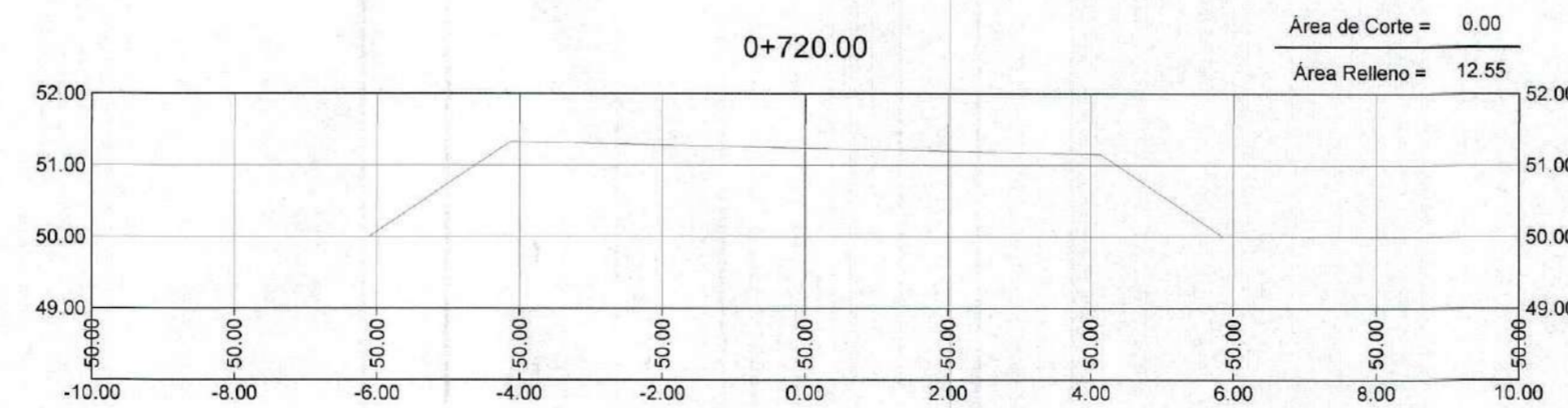
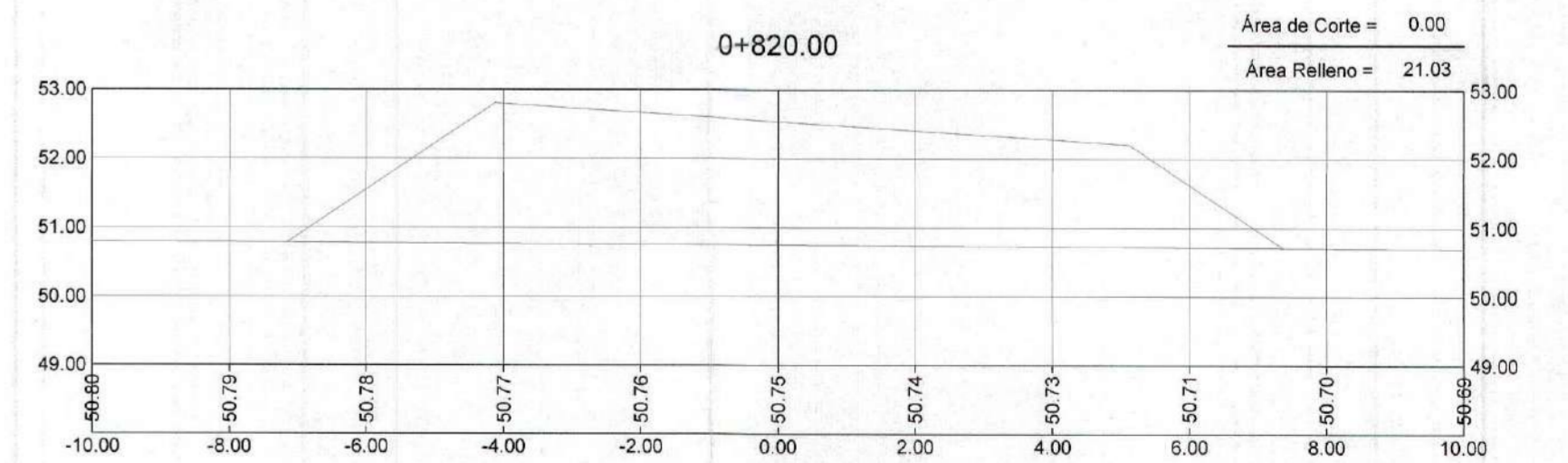
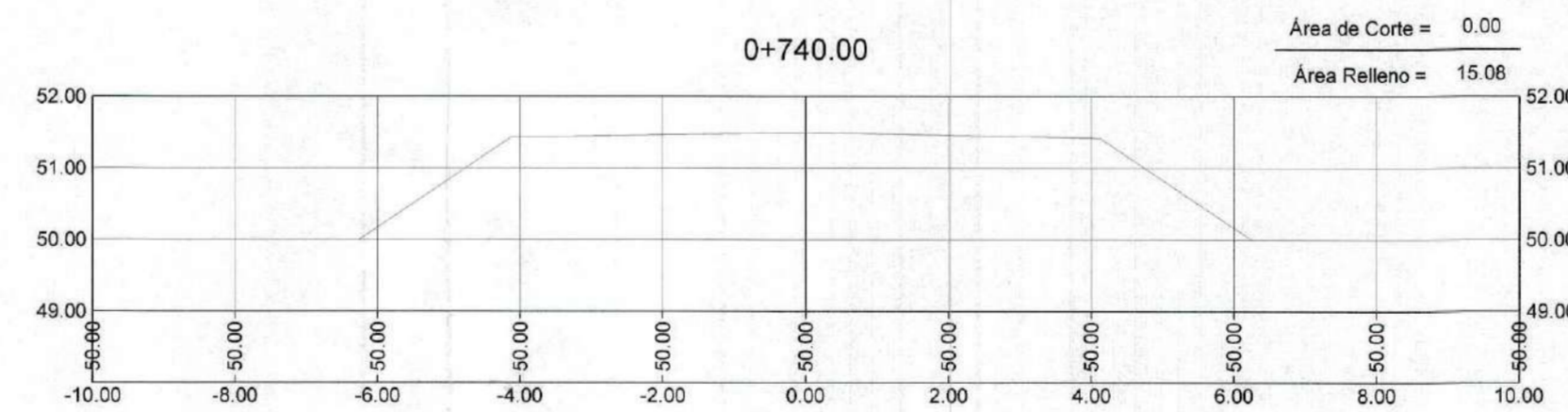
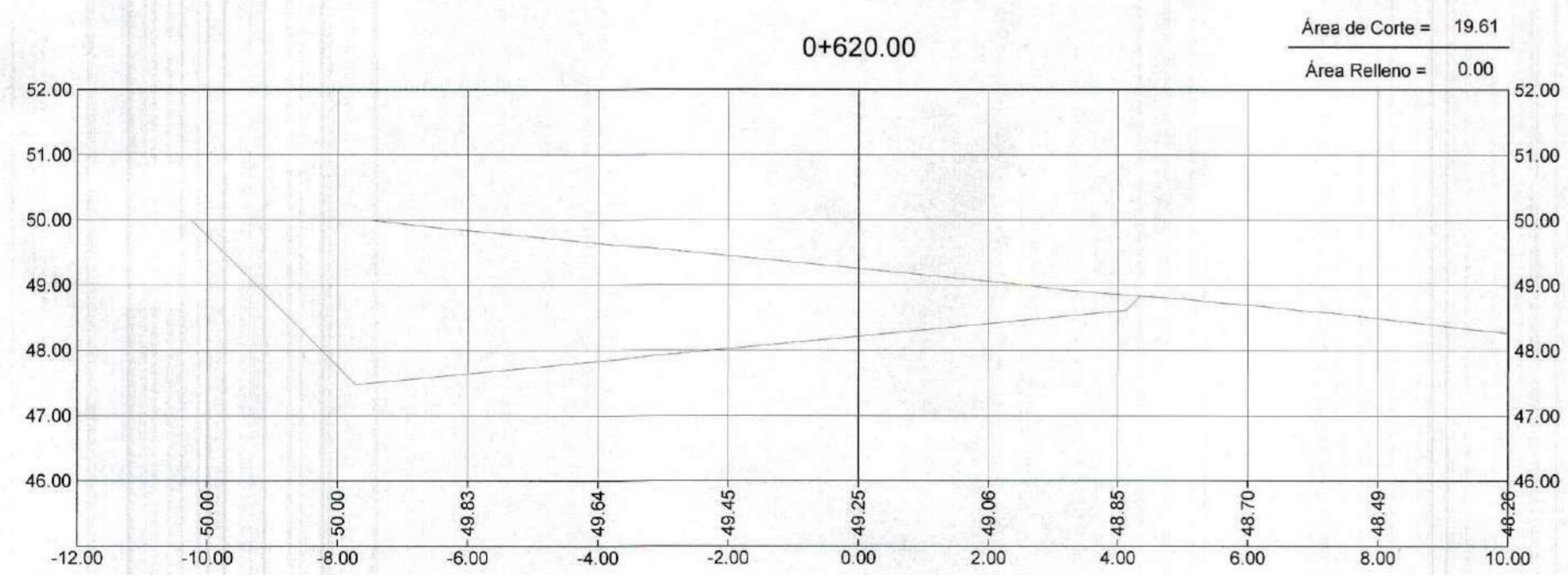
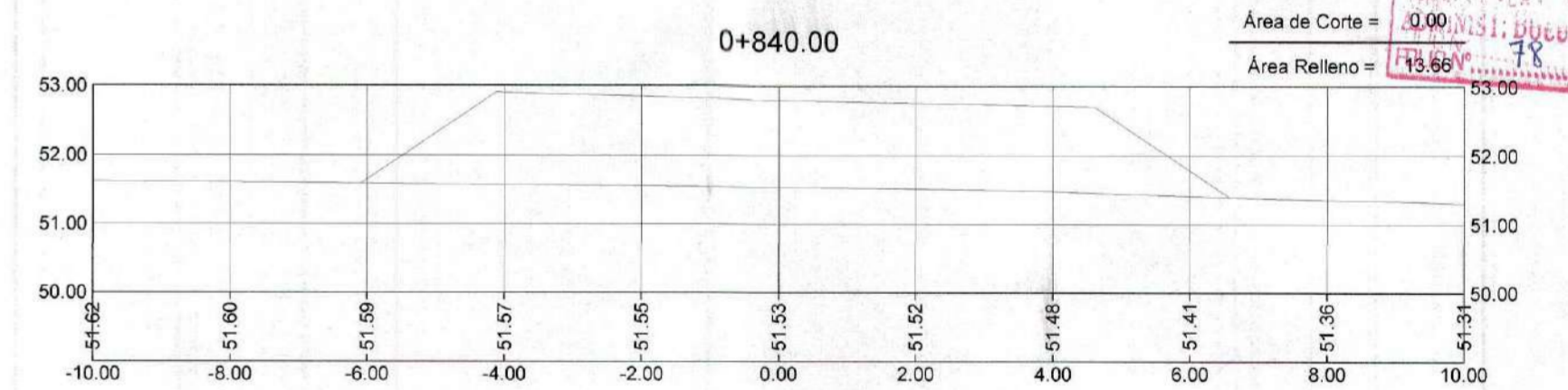
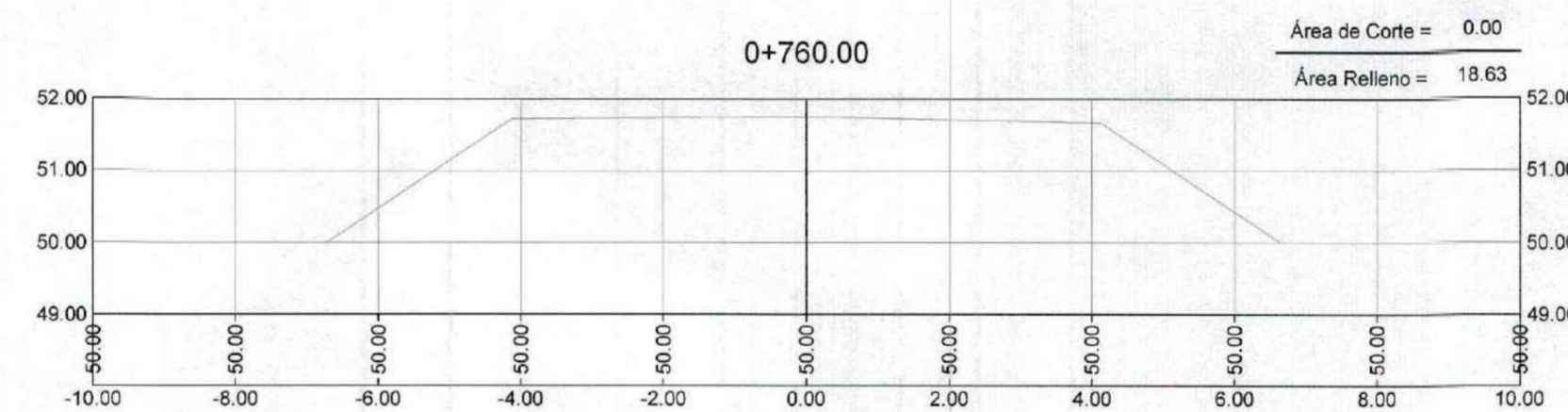
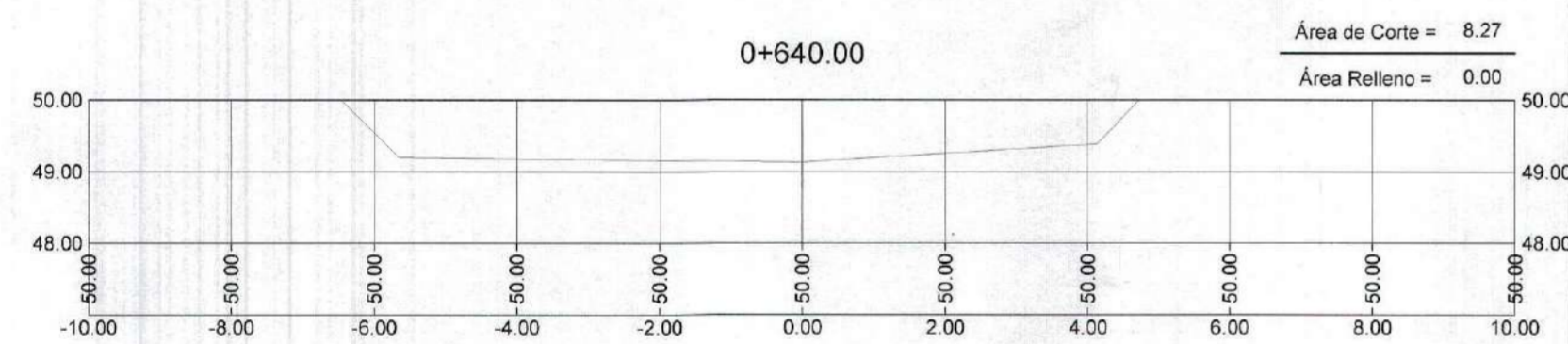
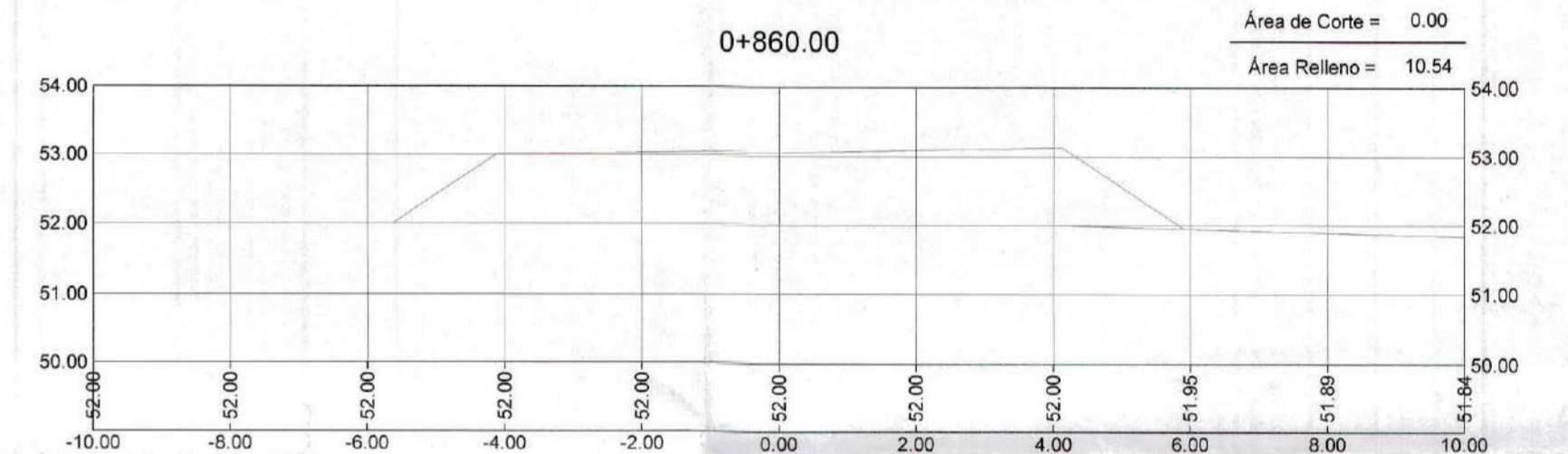
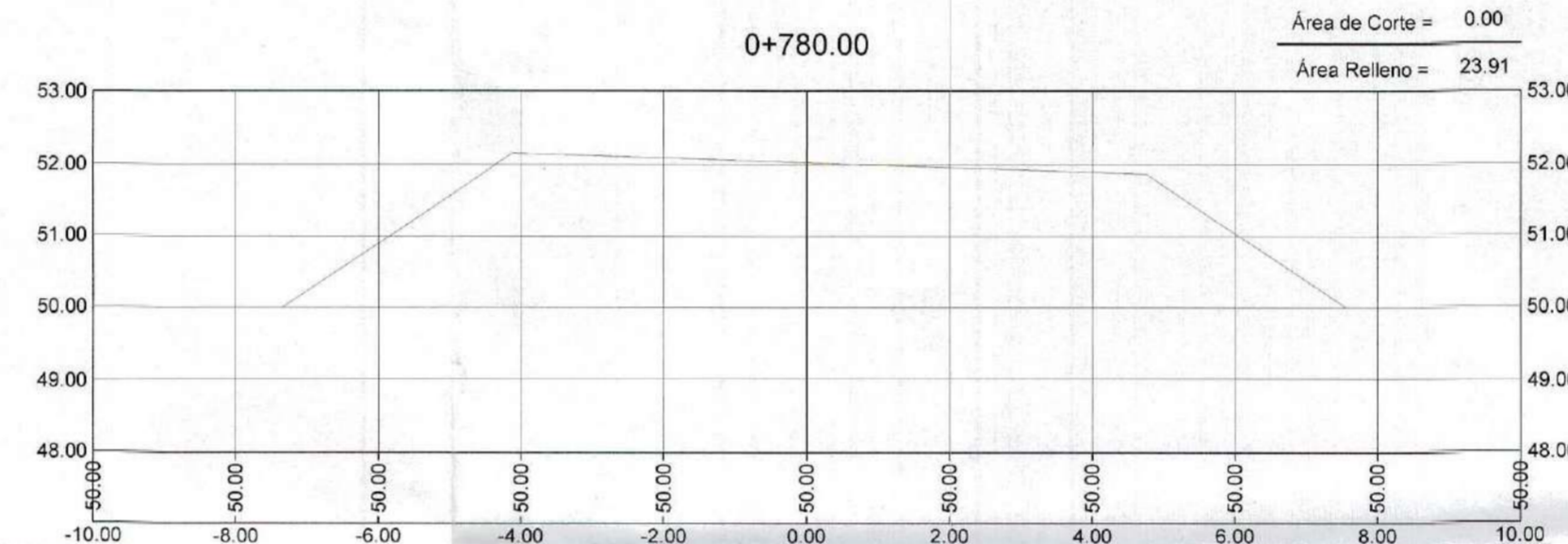
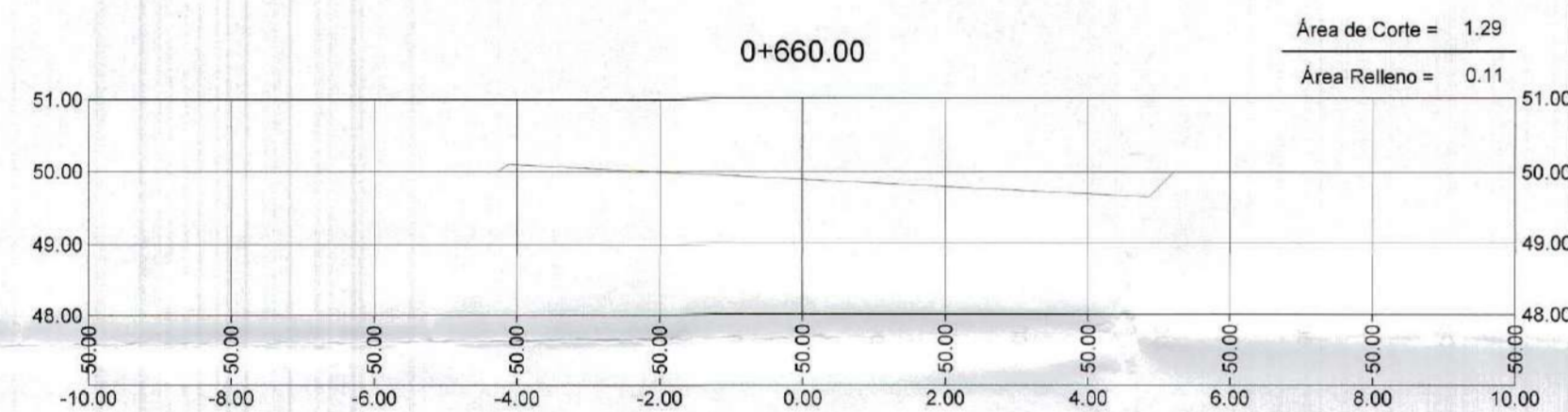
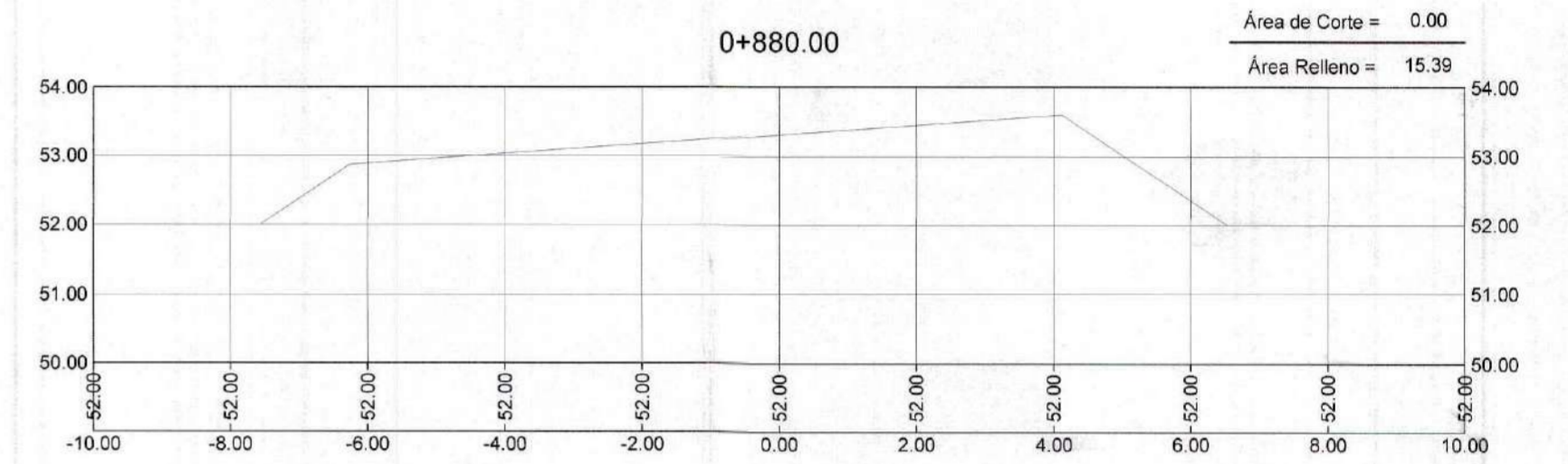
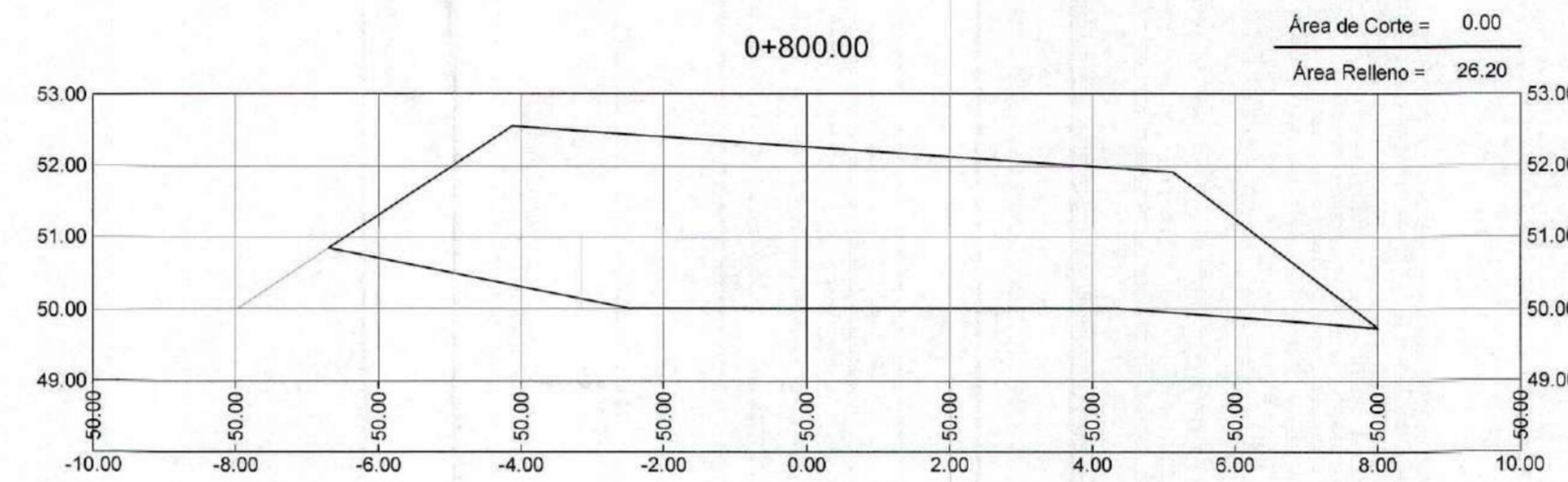
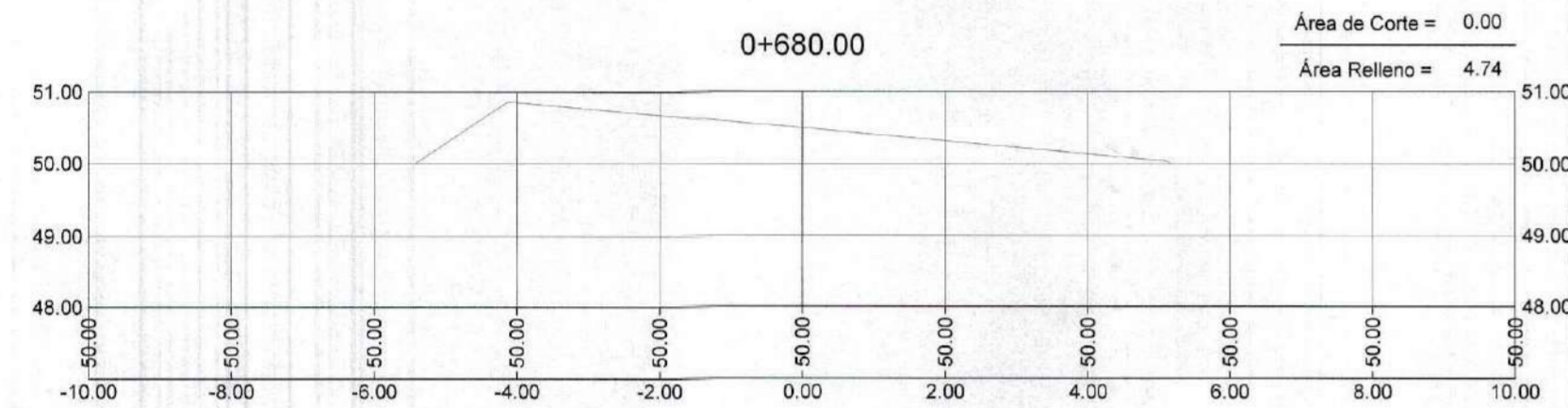
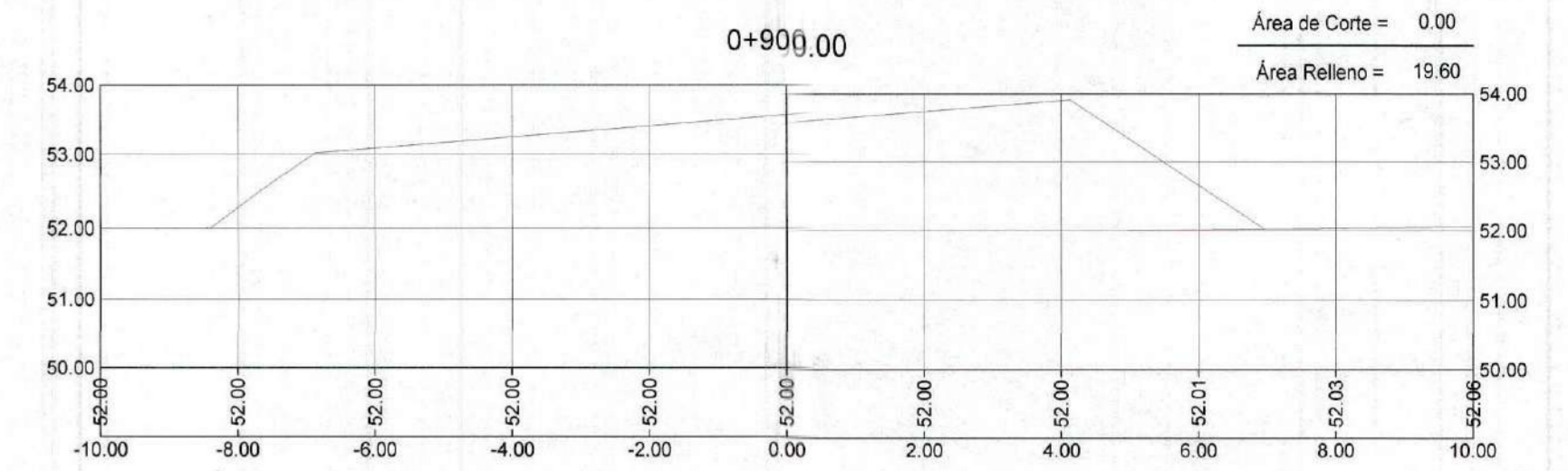
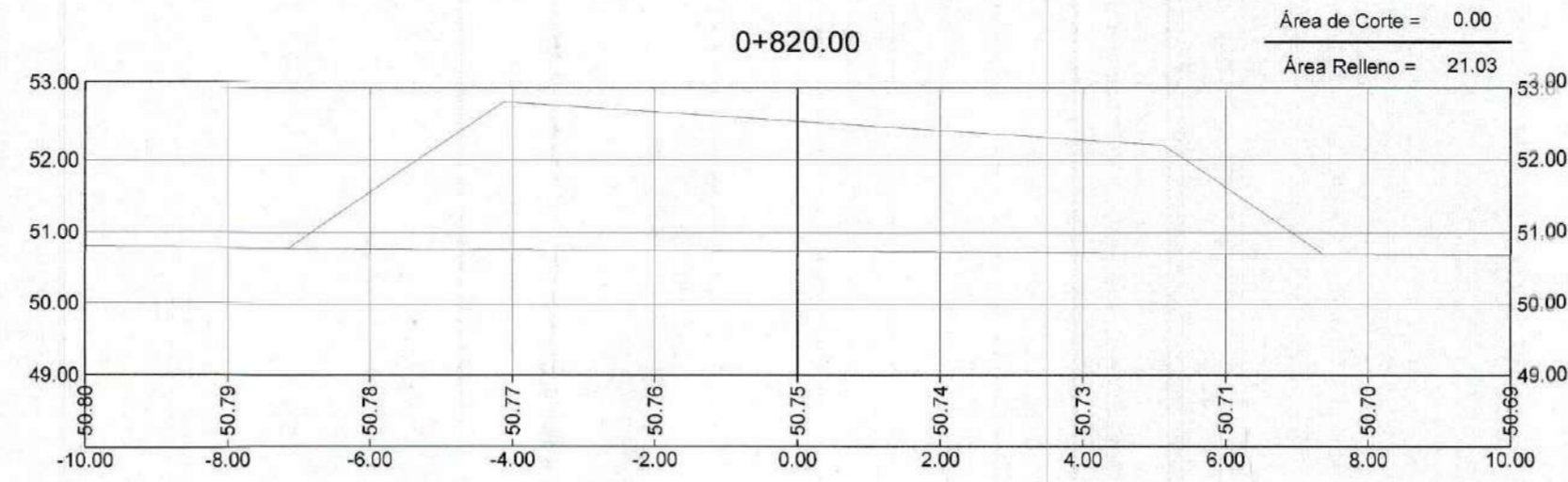
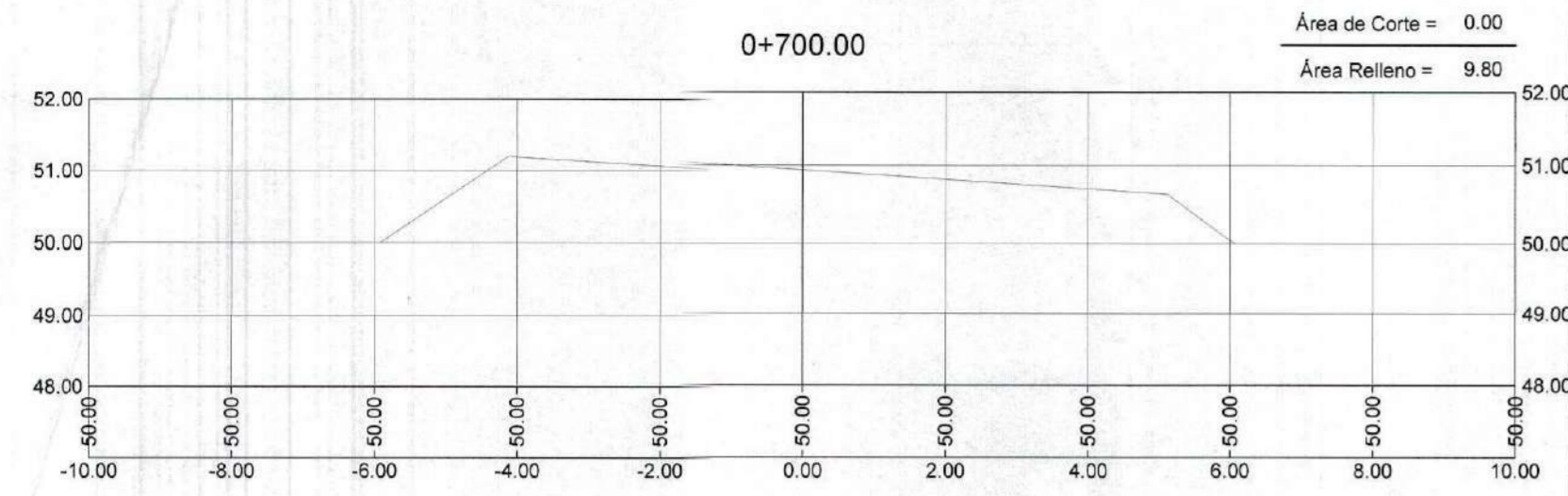


GOBIERNO REGIONAL TUMBES
 SUBGERENCIA DE ESTUDIOS
 FOLIO N.º 079
 GOBIERNO REGIONAL TUMBES
 SEC. GENERAL REGIONAL
 ADMINIST. DOCUMENTARIA
 FOLIO N.º 79



Erick Fernando León Heredia
 INGENIERO CIVIL
 Reg. CIP 212975

GOBIERNO REGIONAL TUMBES GOBIERNO REGIONAL GERENCIA REGIONAL DE INFRAESTRUCTURA		Presidente Regional: ING. WILMER DIOS BÉNITES Gerencia General:	
		Vicerrector Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ Aprobado por Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE	
Proyecto: "REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"		Proyecto: ERICK F. LEON HEREDIA Fecha: INDICADA	
Plano: SECCIONES TRANSVERSALES Prog: 0+320 - 0+600		Grupo Cad: SAN JACINTO CASITAS	
DATUM: DATUM WUG 84		ST-34	



GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N.º 038

GOBIERNO REGIONAL TUMBES
SEC. DE PLANEACIÓN REGIONAL
ING. FREDY R. SALAZAR CHONATE
13.66



Erick Fernando León Heredia
INGENIERO CIVIL
Reg. CIP 212975



GOBIERNO REGIONAL TUMBES

GOBIERNO REGIONAL
GERENCIA REGIONAL DE INFRAESTRUCTURA

Presidente Regional:
ING. WILMER DIOS BENITES
Gerencia General:

Proyecto:
"REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA
EN LOS DISTRITOS DE SAN JACINTO - CASITAS"

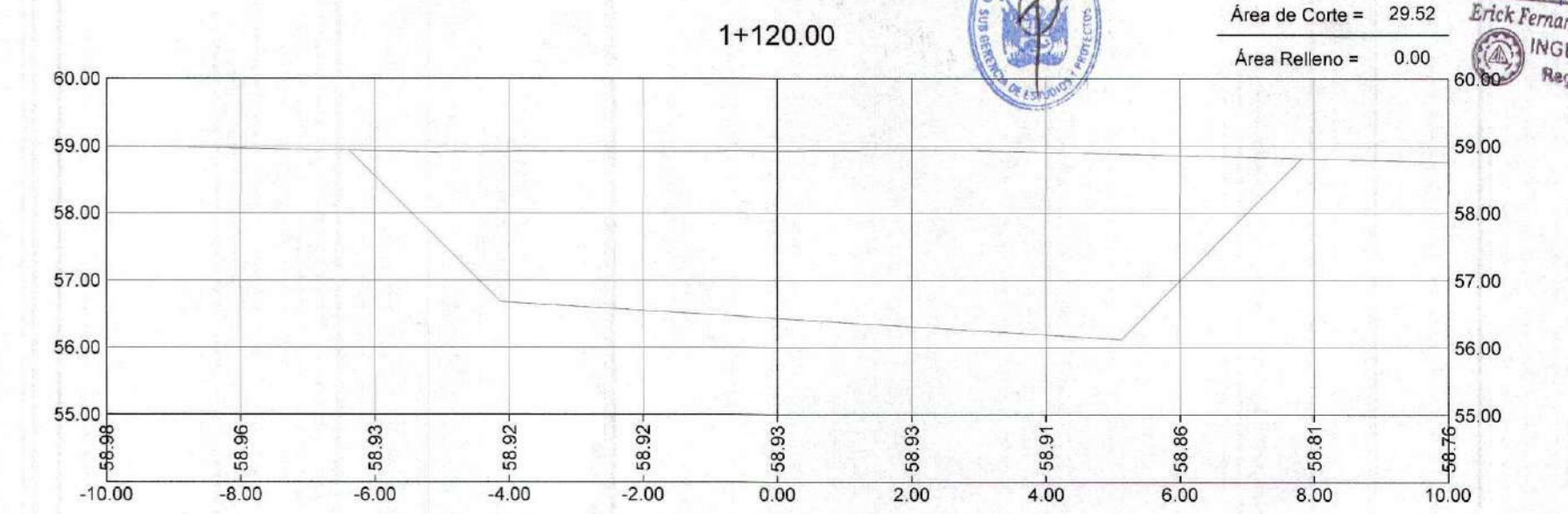
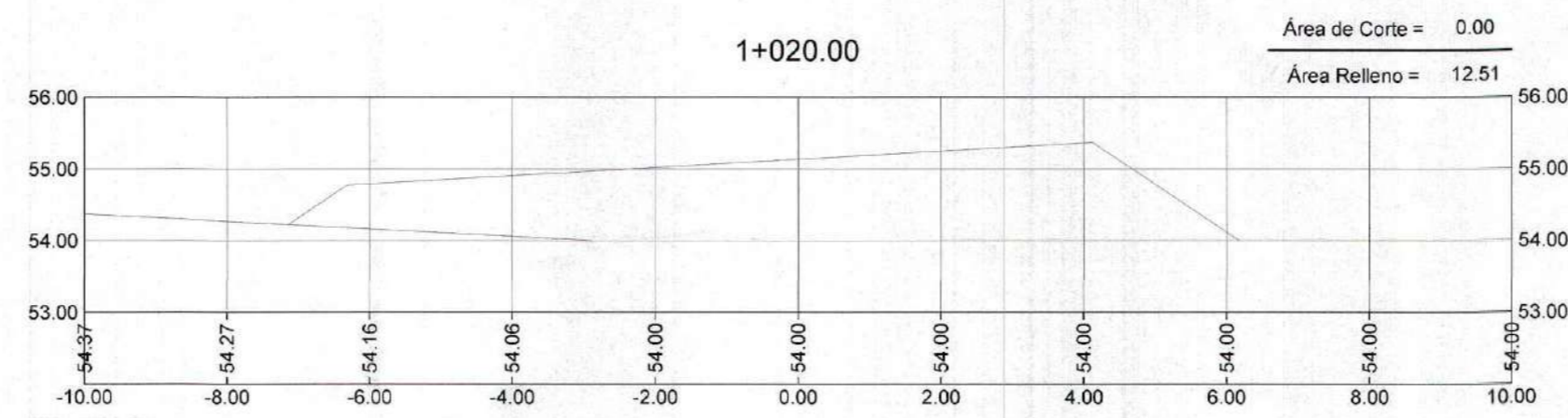
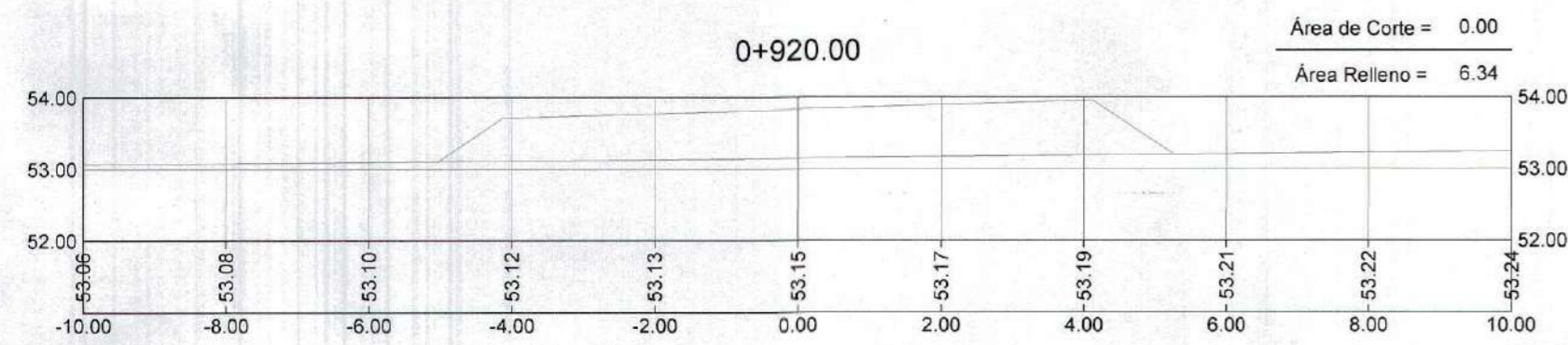
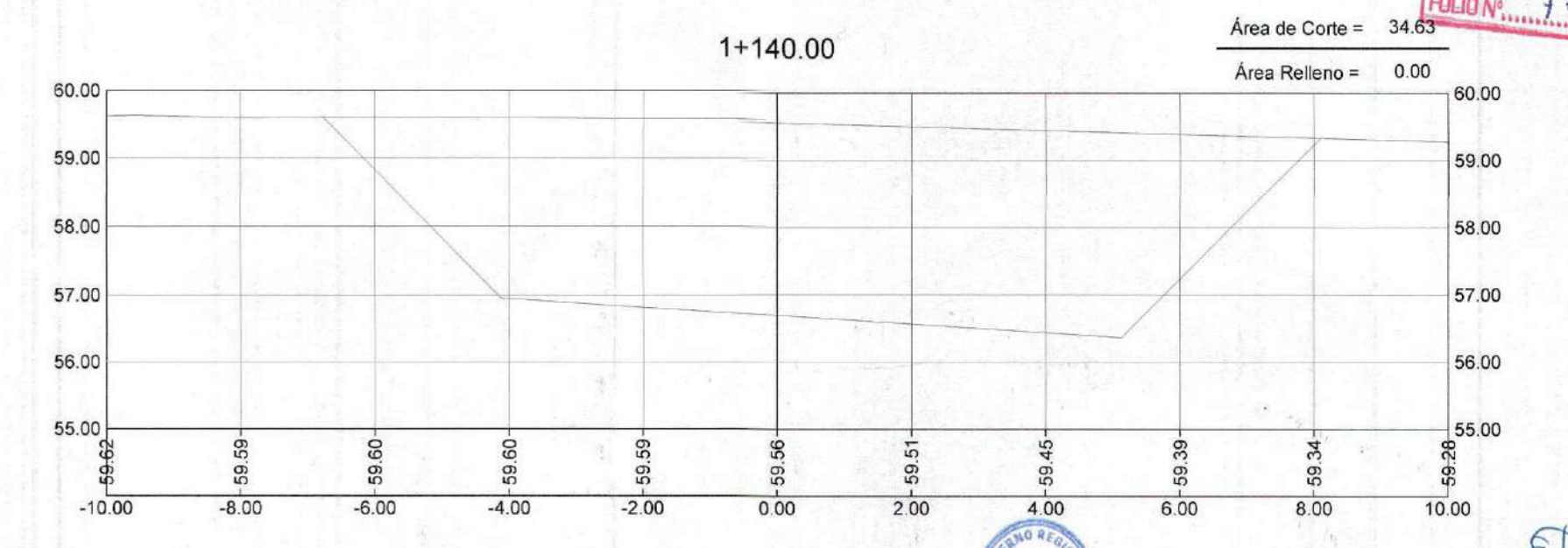
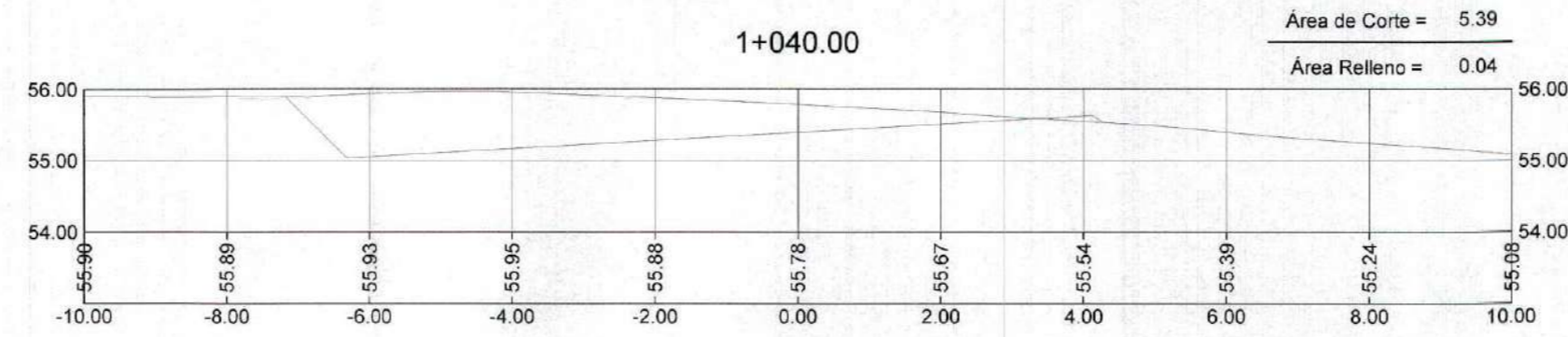
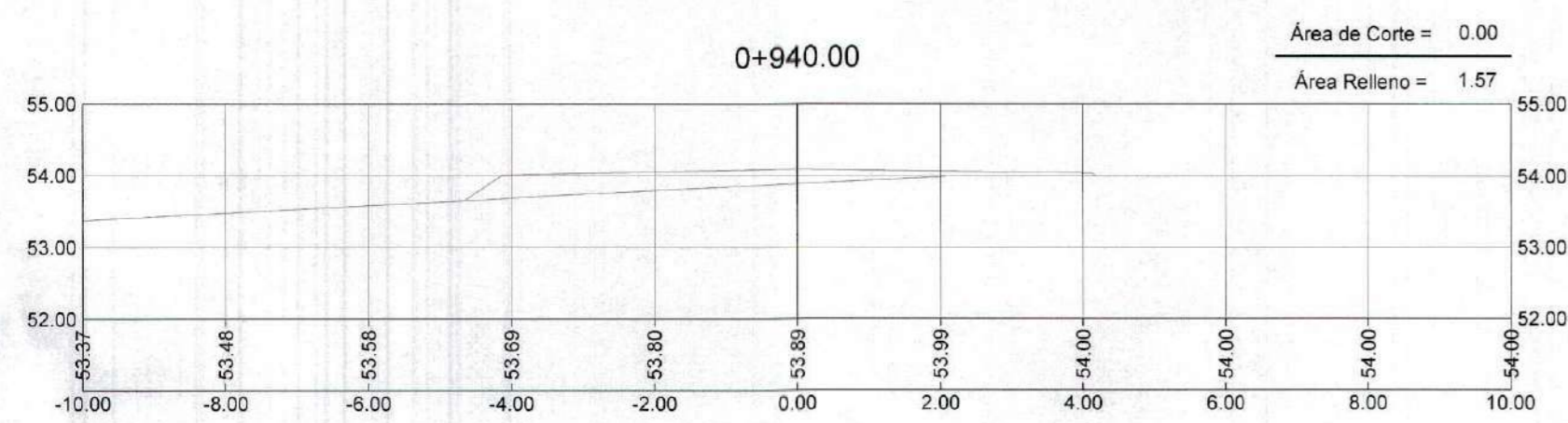
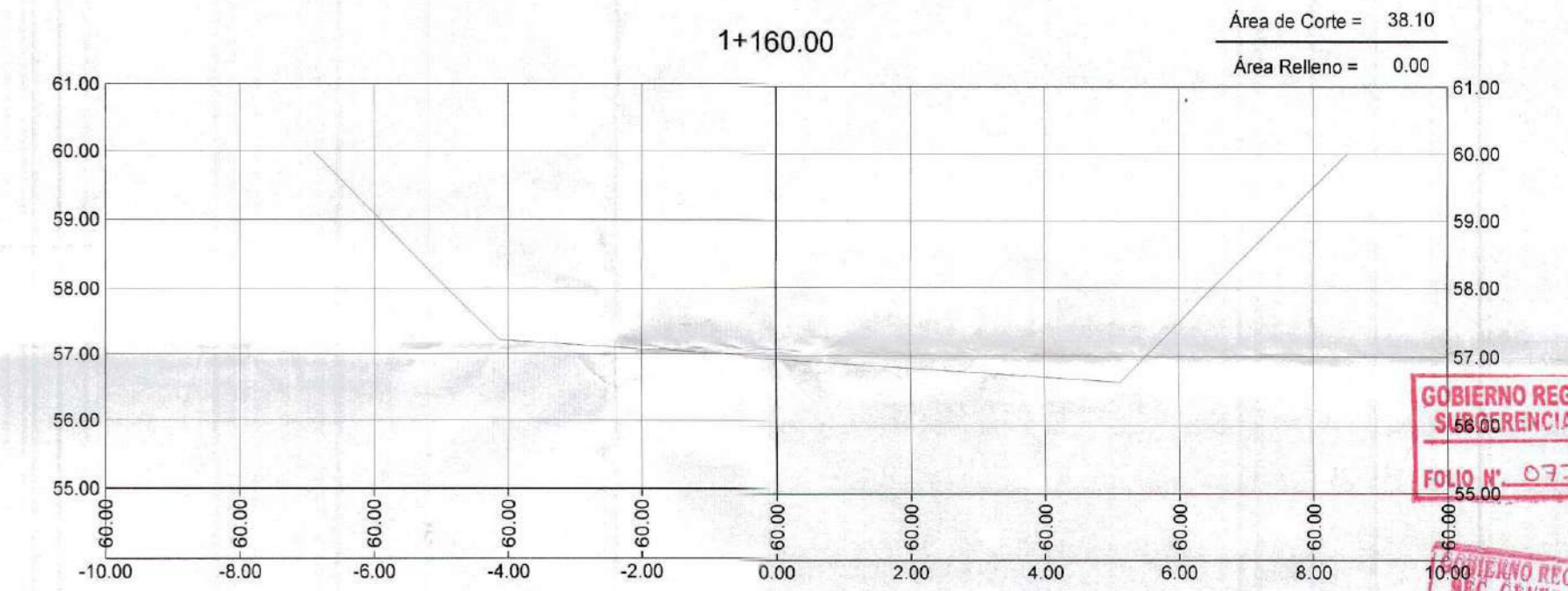
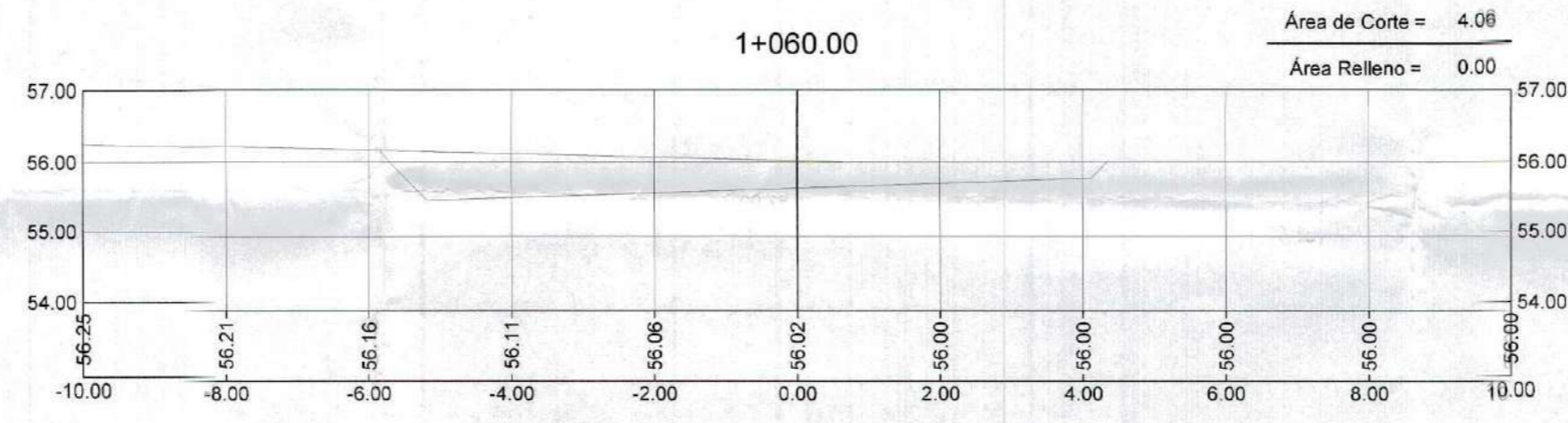
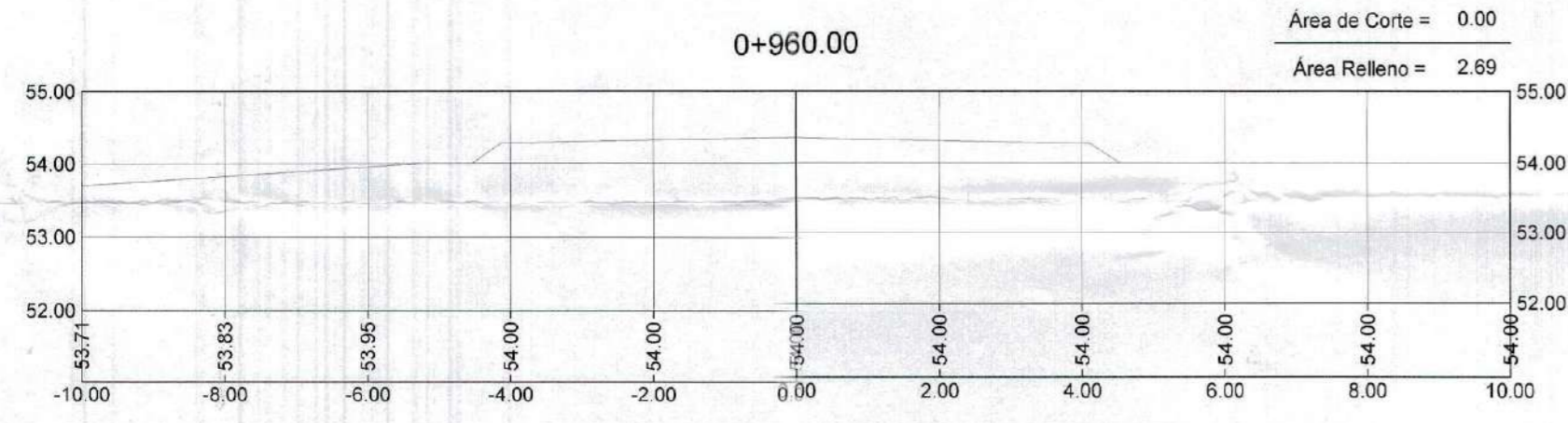
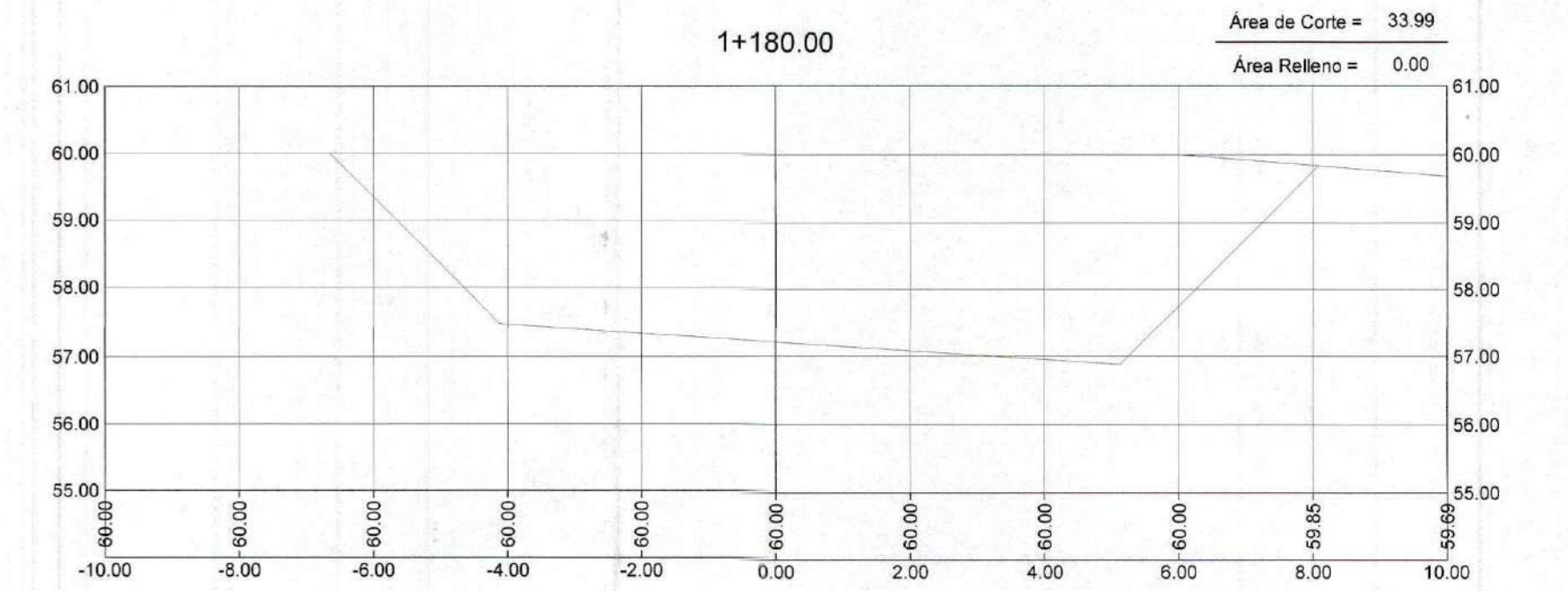
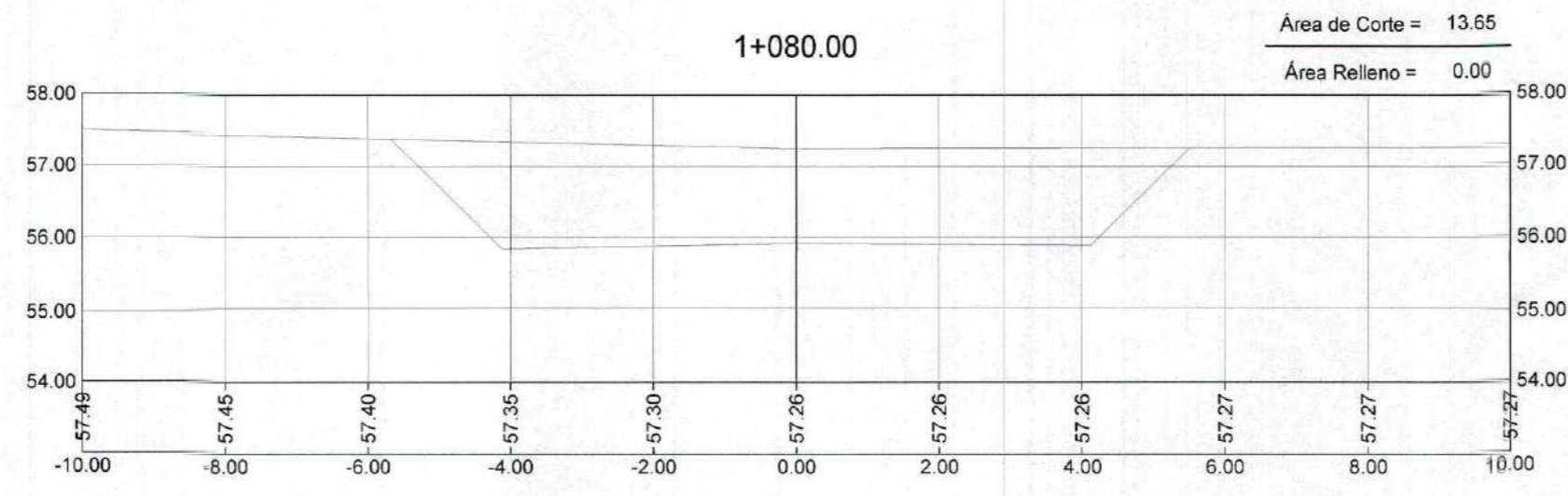
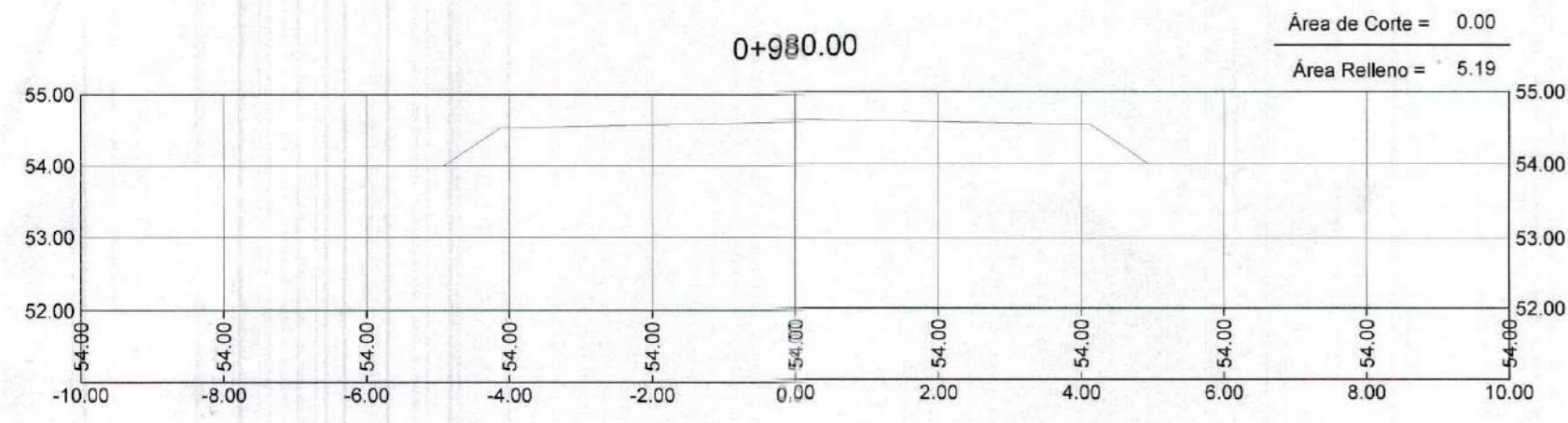
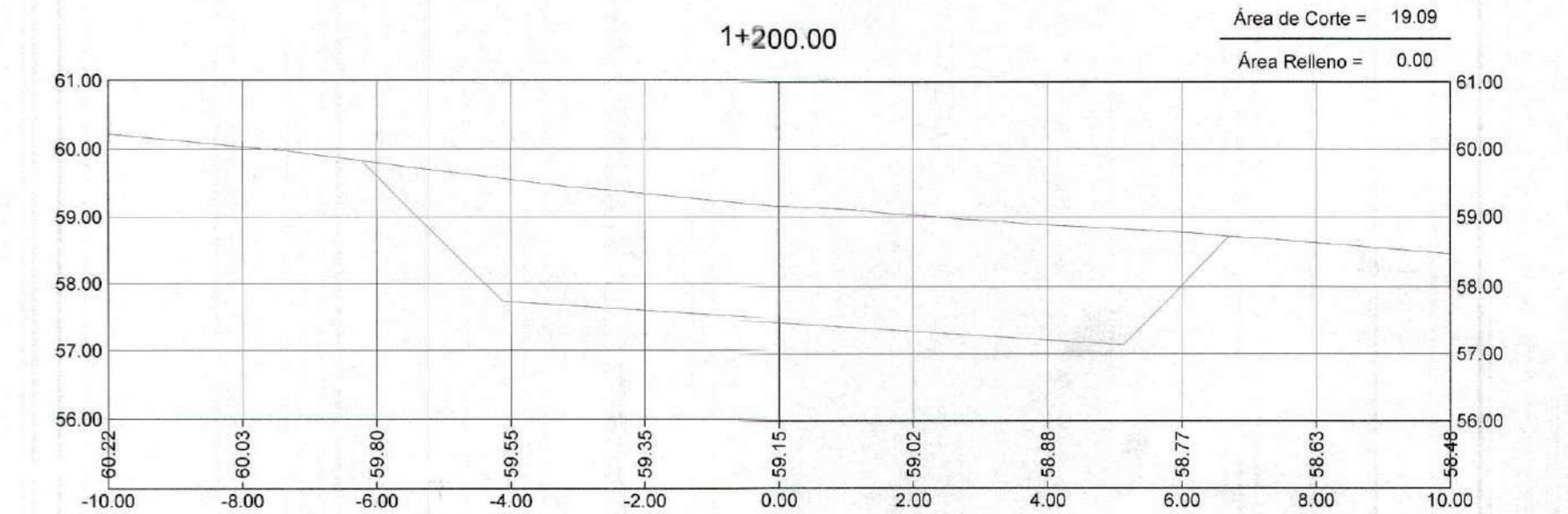
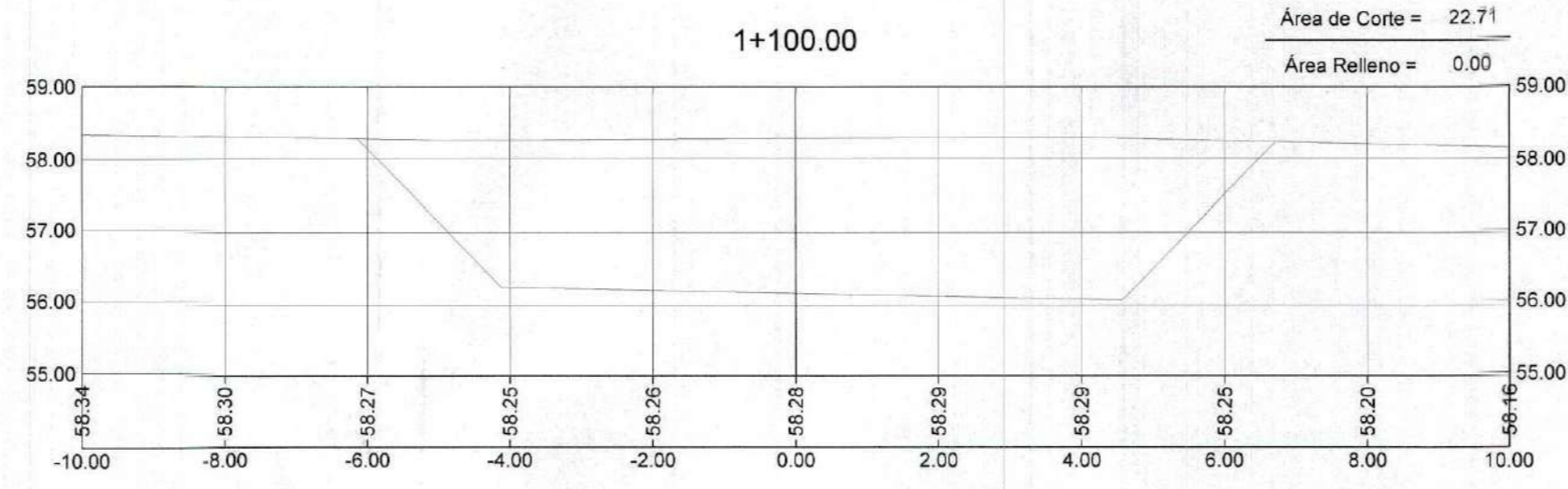
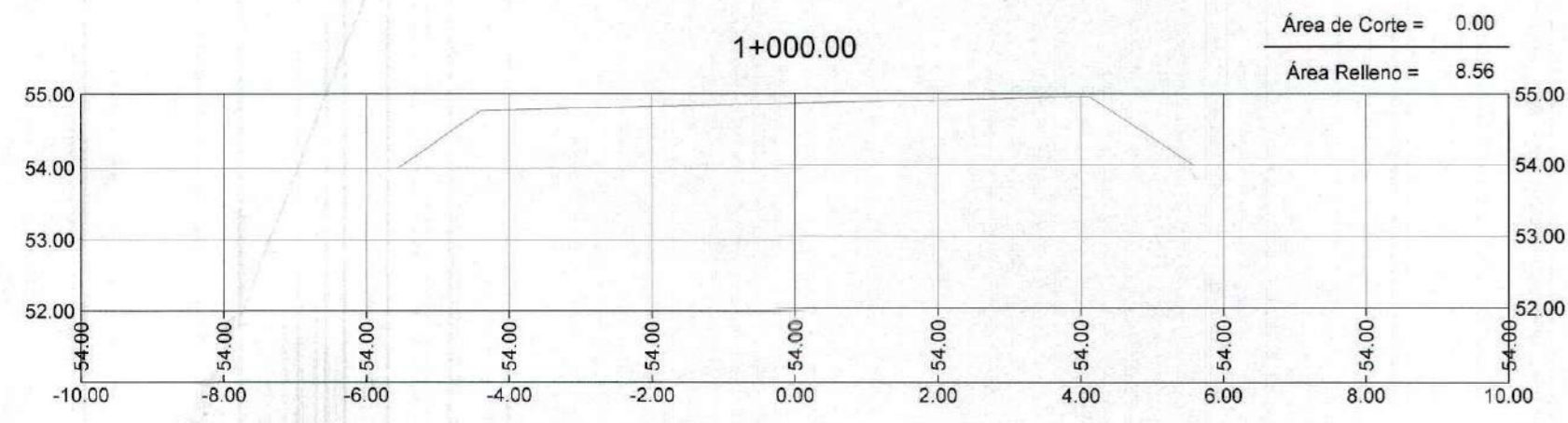
Vº Gerencia Regional de Infraestructura:
ING. WILMER CORDOVA LOPEZ
Arquitecto del Consejo de Estudios:
ING. FREDY R. SALAZAR CHONATE

Plano:
SECCIONES TRANSVERSALES
Prog: 0+620 - 0+900

Proyectista:
ERICK F. LEON HEREDIA
Escala:
INDICADA
Fecha:
Lamina N.º

DATUM: DATUM WUG 84

Topografía:
TUMBES
Departamento:
TUMBES
Provincia:
TUMBES
Distrito:
SAN JACINTO
CASITAS



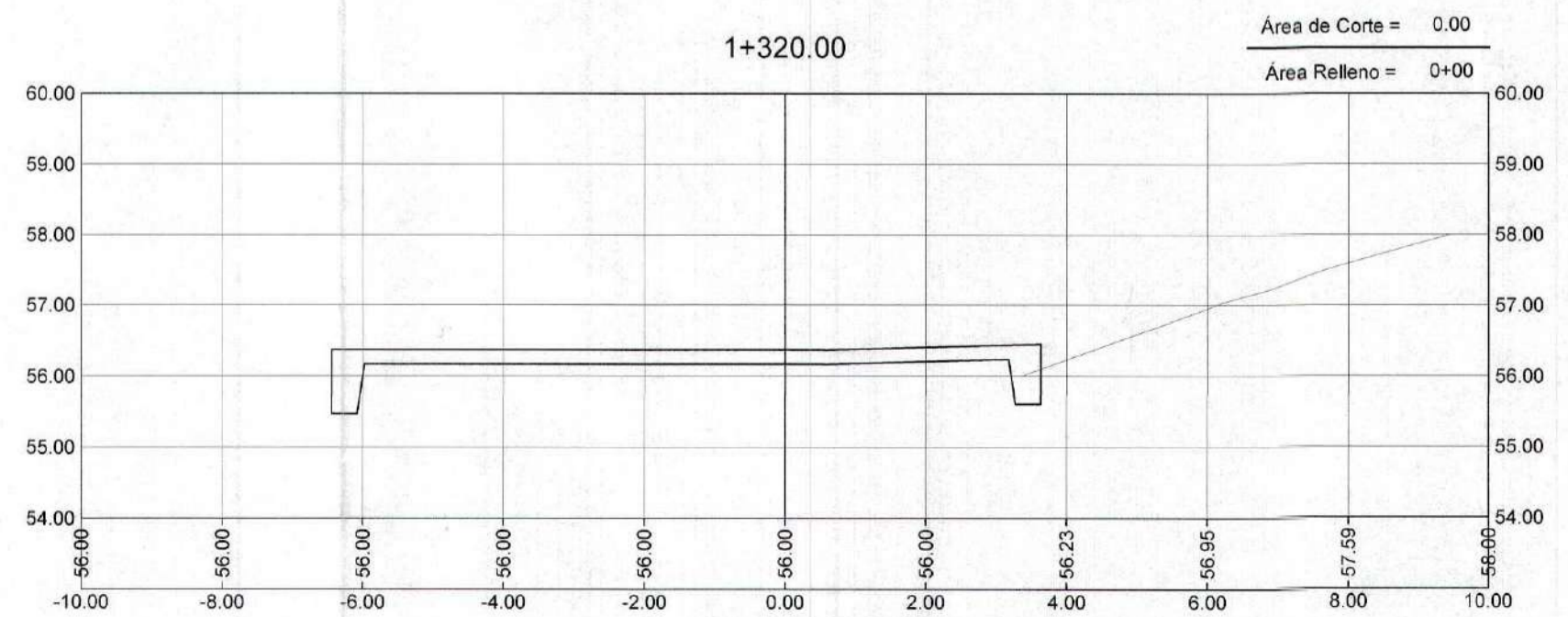
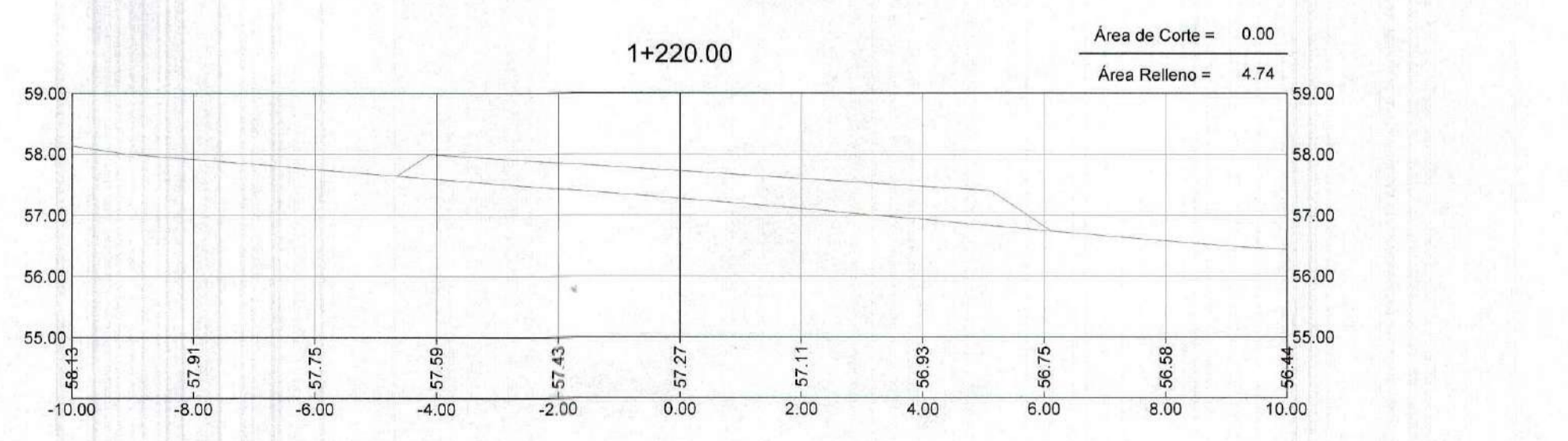
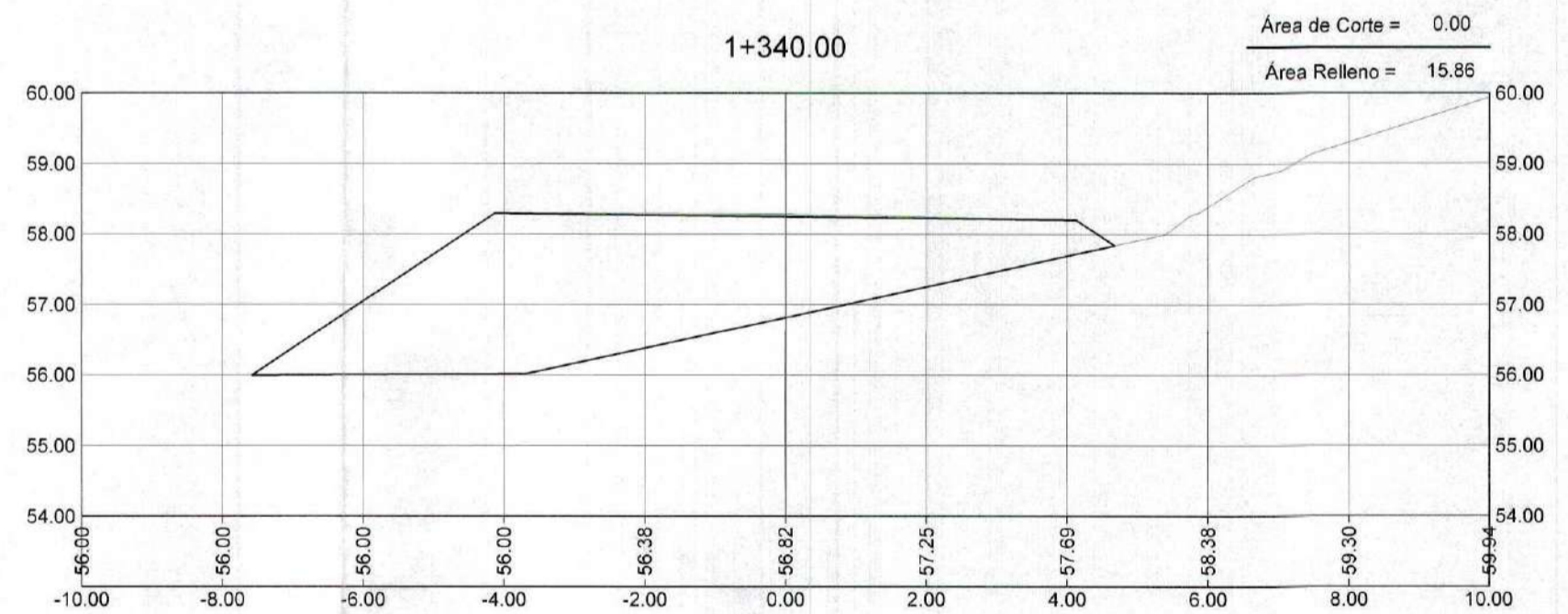
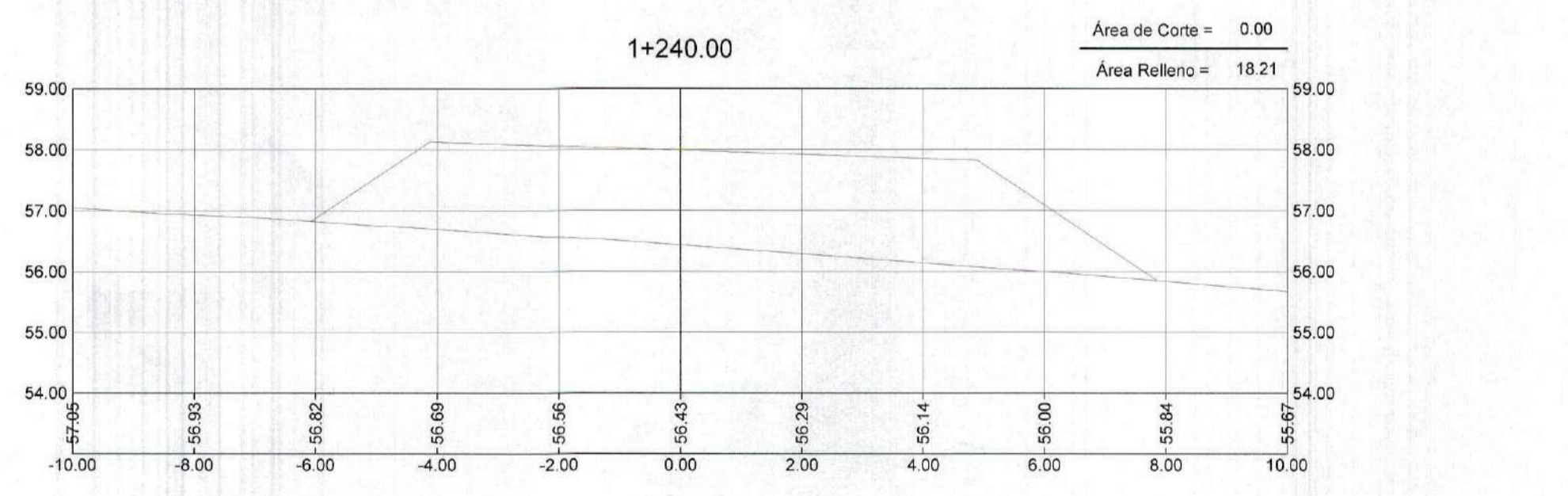
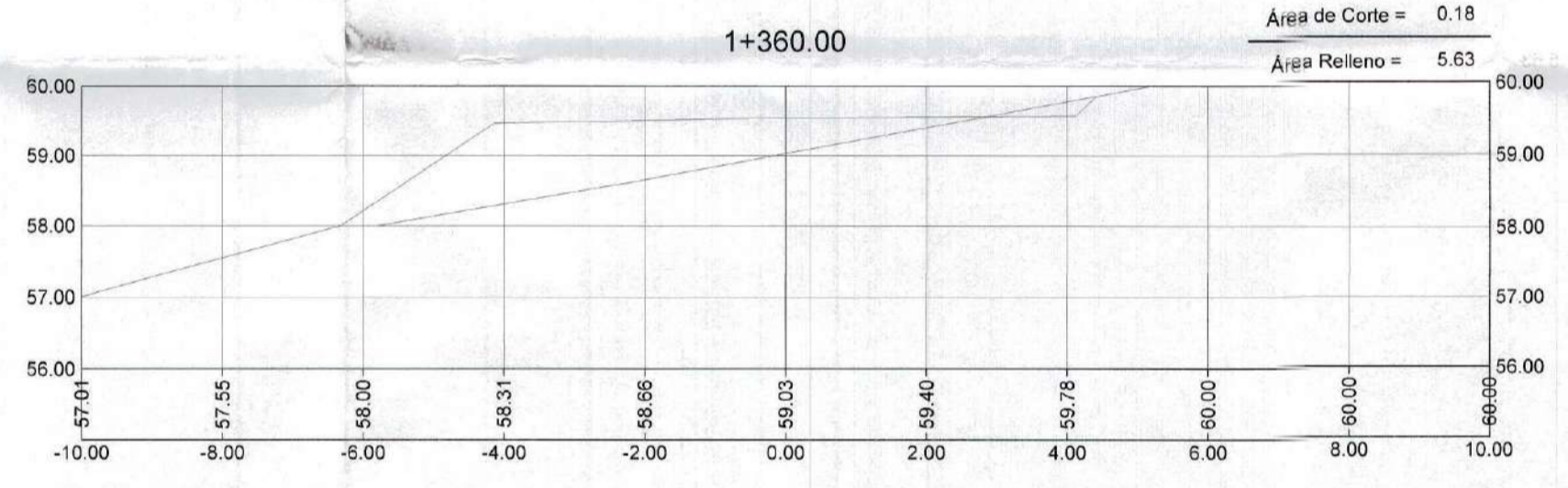
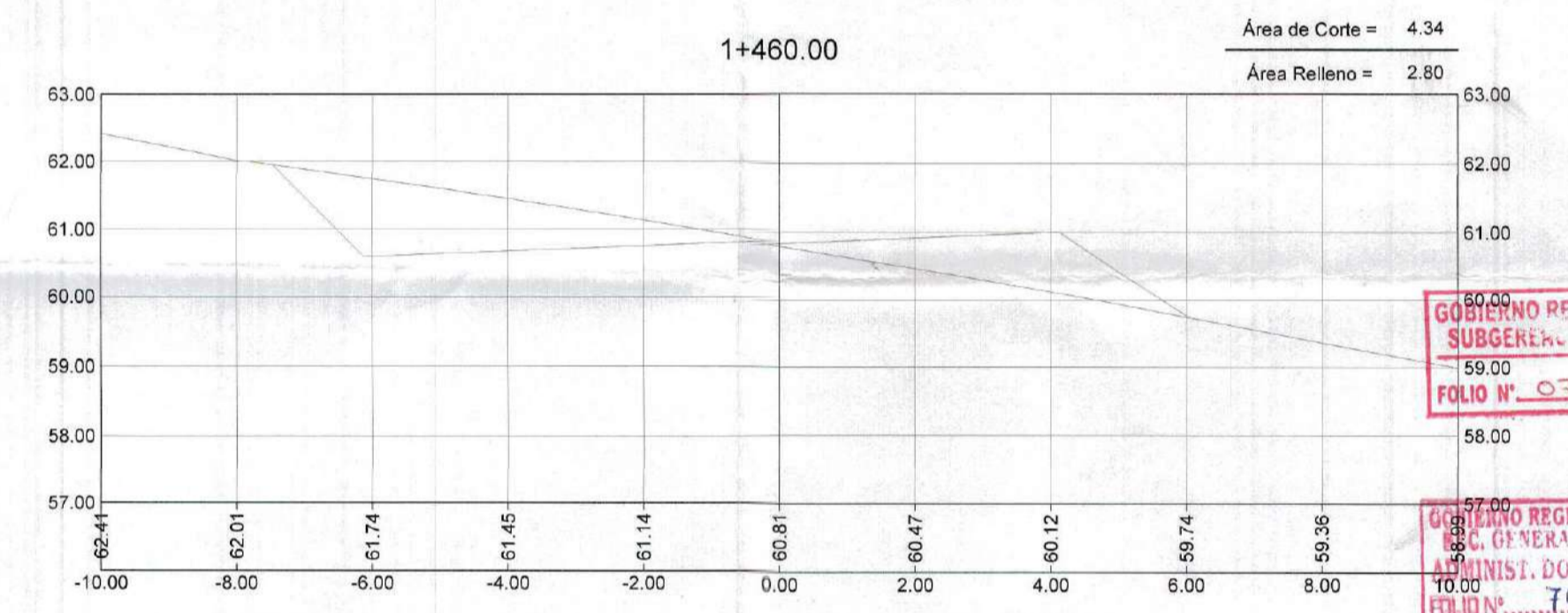
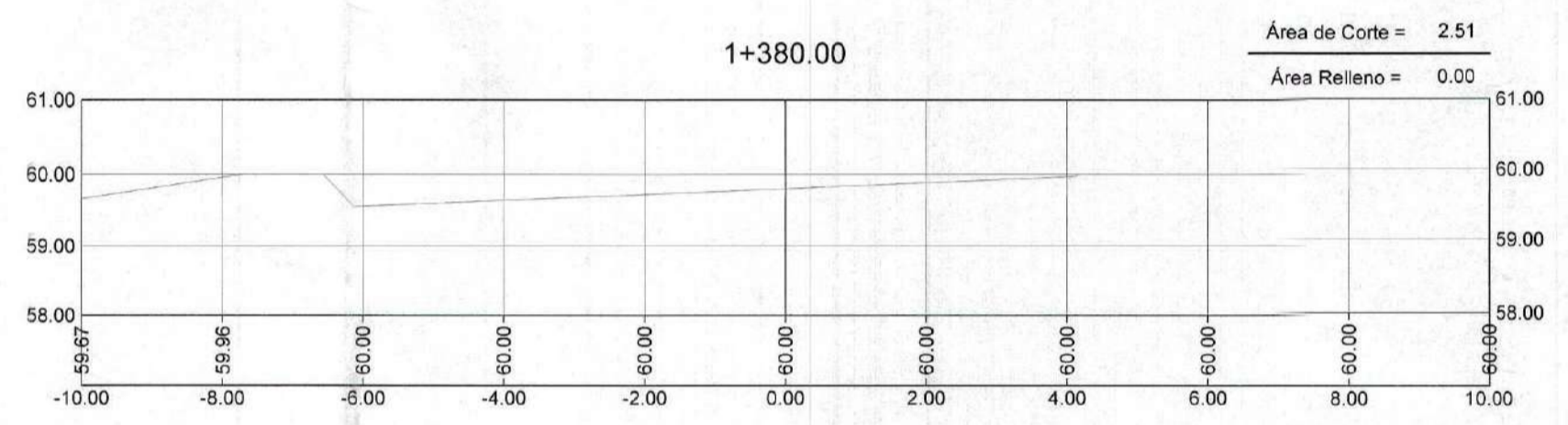
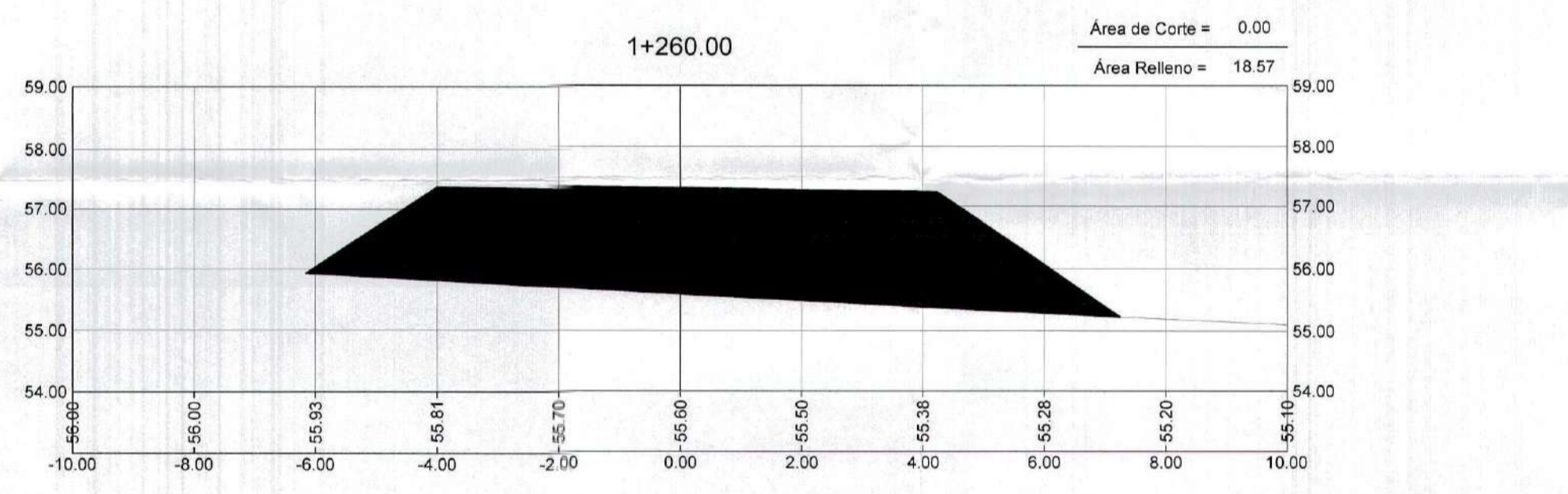
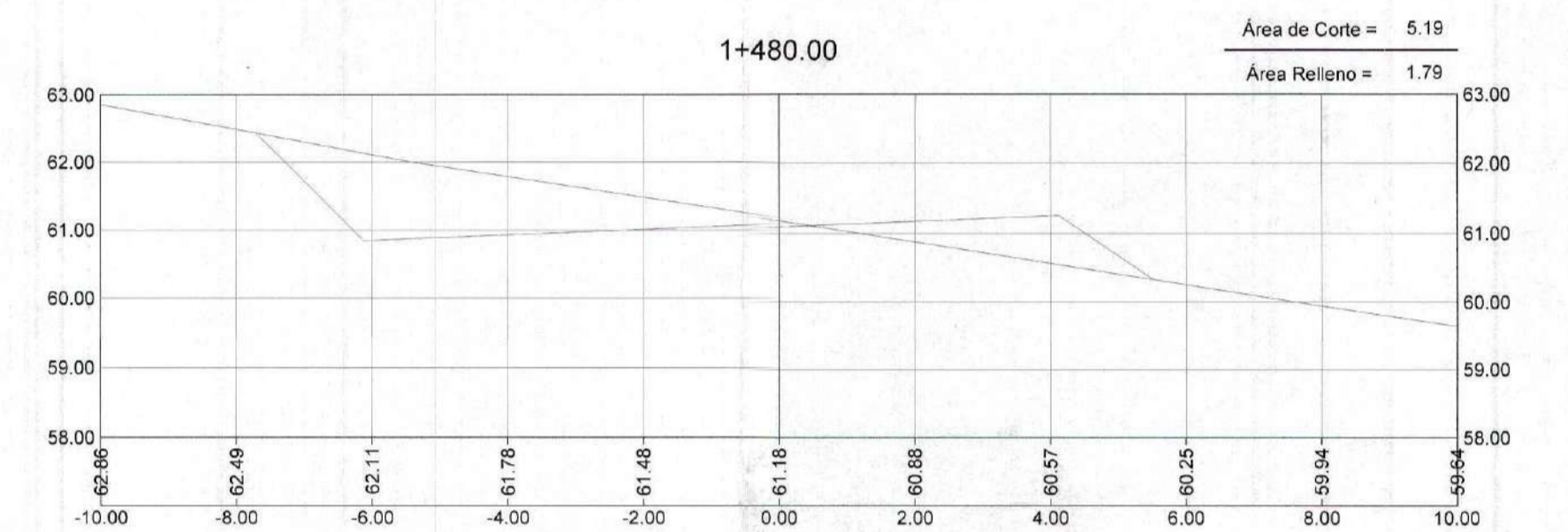
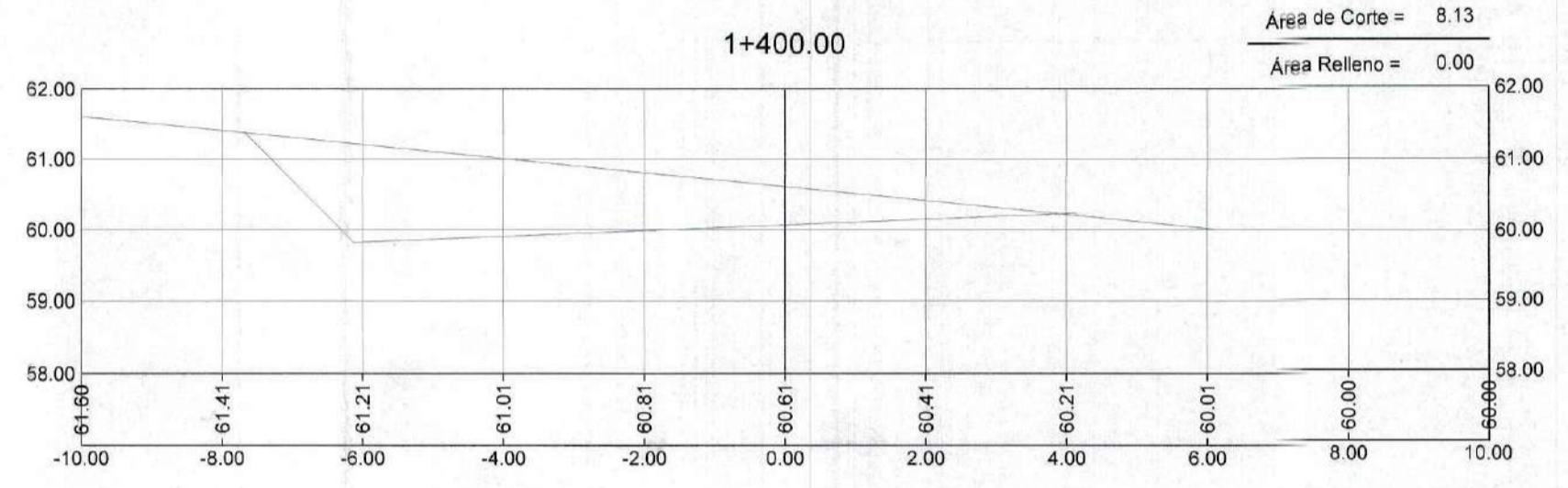
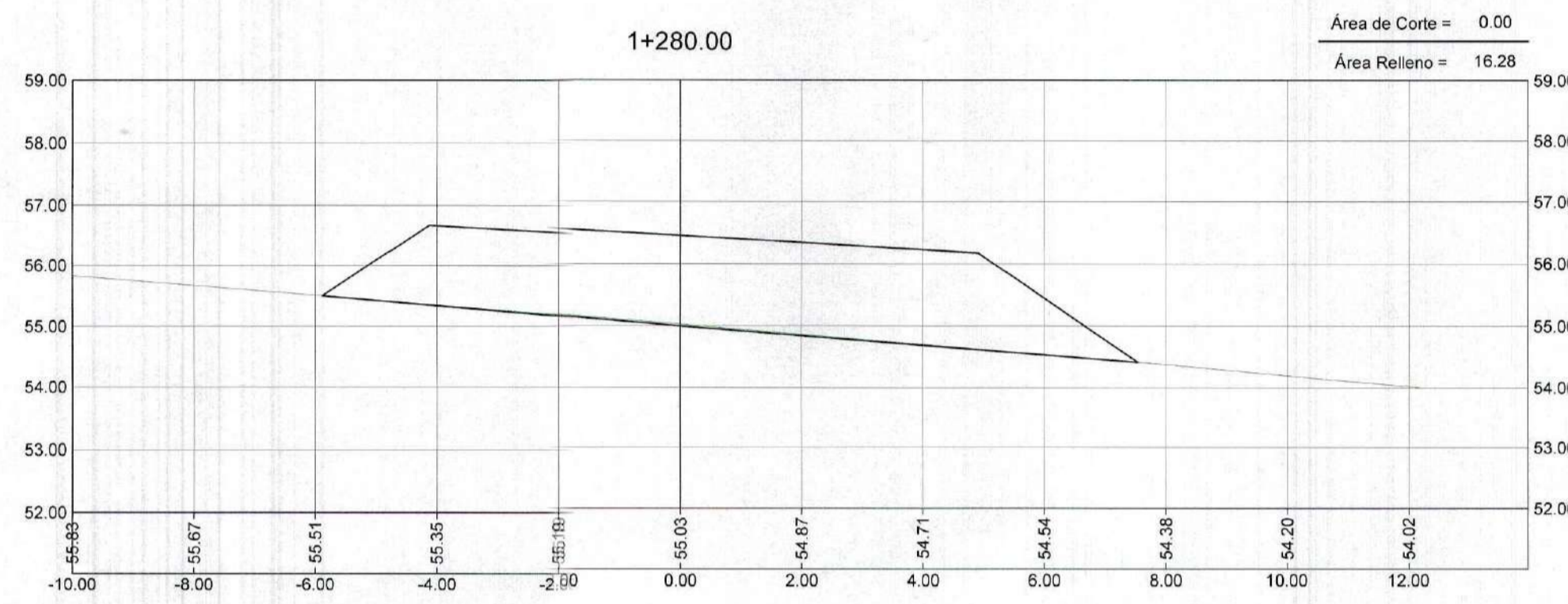
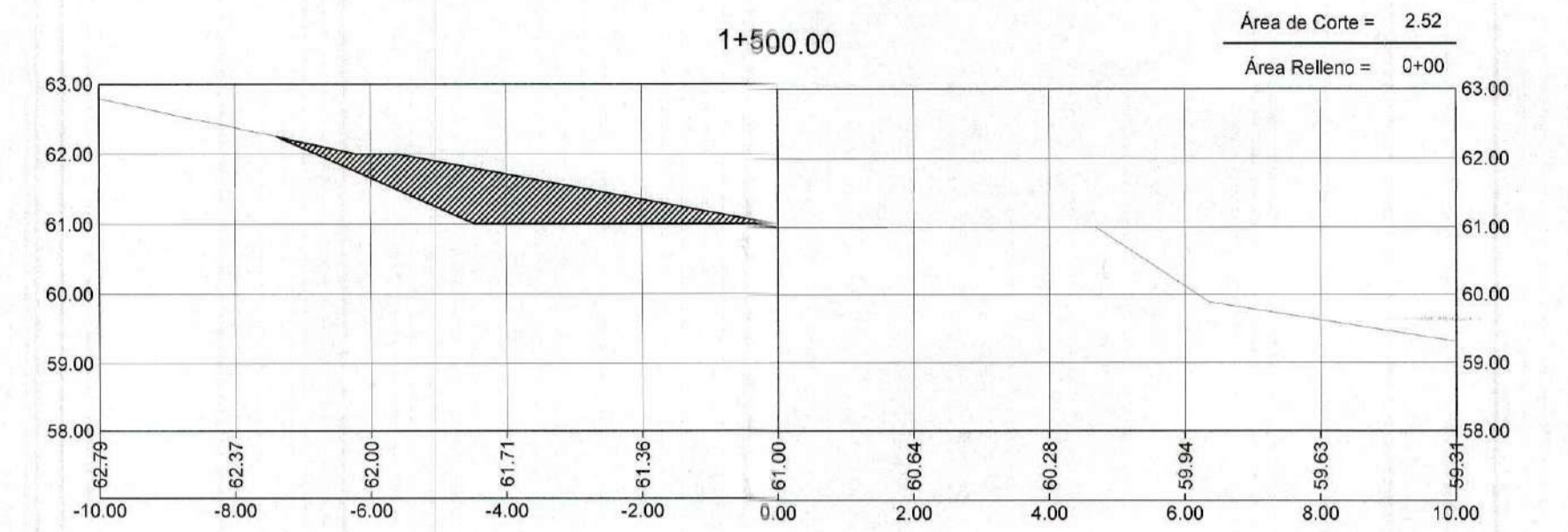
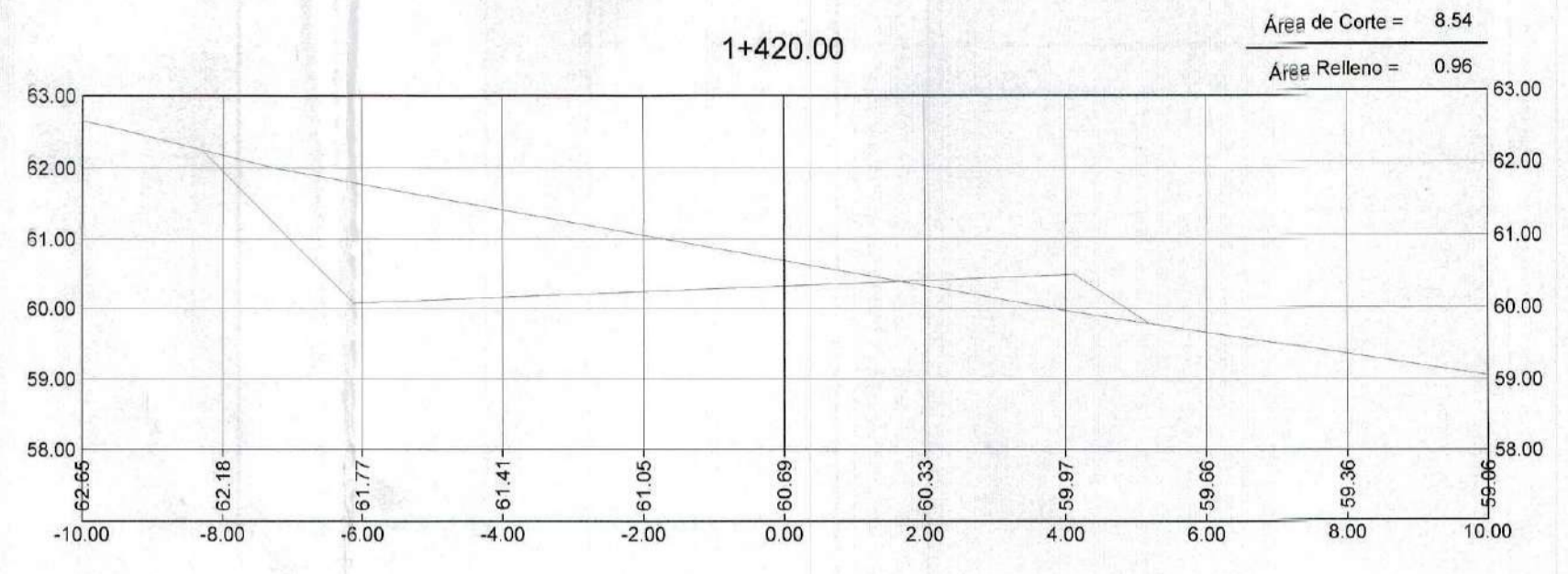
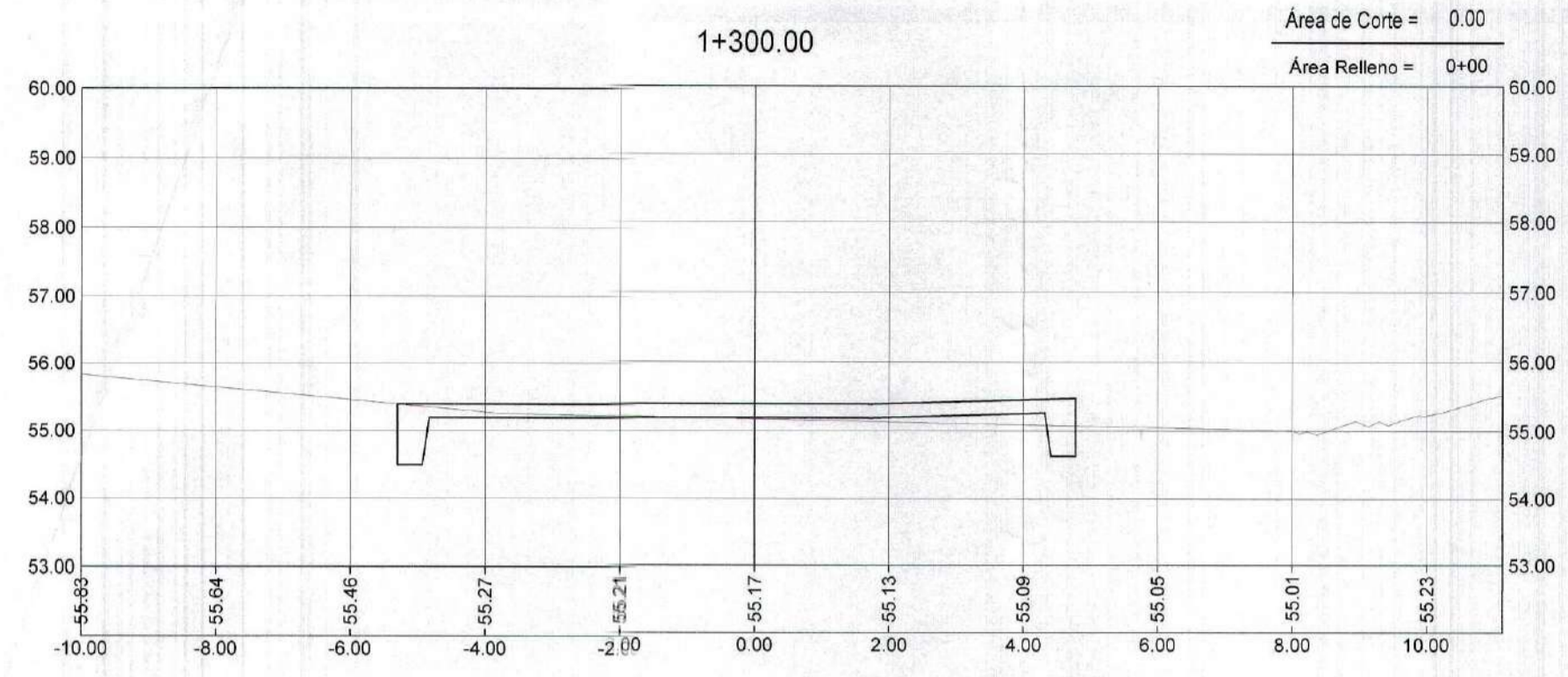
GOBIERNO REGIONAL TUMBES
 SUBDIRECCION DE ESTUDIOS
 FOLIO N° 077

GOBIERNO REGIONAL TUMBES
 SEC. GENERAL REGIONAL
 ADMINIST. DOCUMENTARIA
 FOLIO N° 77



Erick Fernando León Heredia
 INGENIERO CIVIL
 Reg. CIP 212975

GOBIERNO REGIONAL TUMBES	
GOBIERNO REGIONAL GERENCIA REGIONAL DE INFRAESTRUCTURA	
Presidente Regional: ING. WILMER DIOS BENITES	Presidente Regional: ING. WILMER DIOS BENITES
Proyecto: "REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"	VPM Gerencia Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ Aprobado por Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE
Plan: SECCIONES TRANSVERSALES Prog: 0+920 - 1+200	Proyectista: ERICK F. LEON HEREDIA Escala: INDICADA
DATUM: DATUM WUG 84	Estado: SAN JACINTO CASITAS
Departamento: TUMBES	Distrito: CASITAS
	ST-36



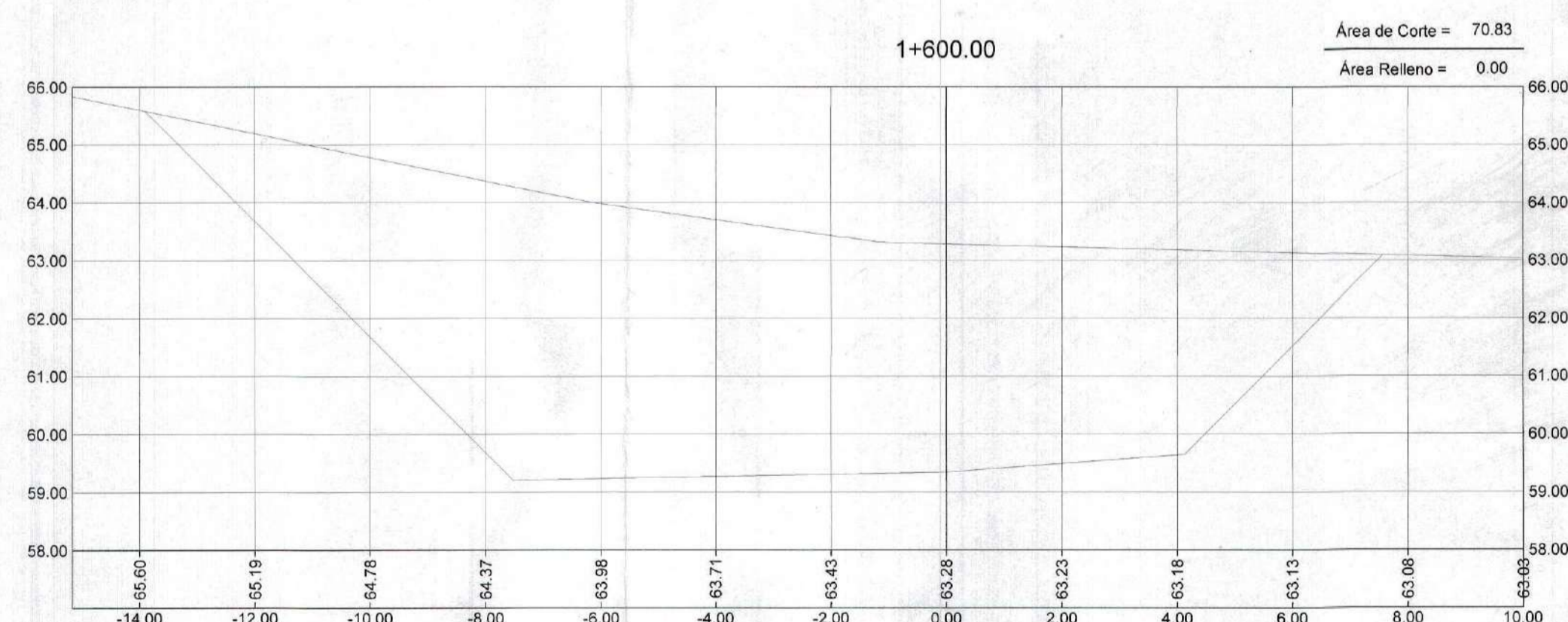
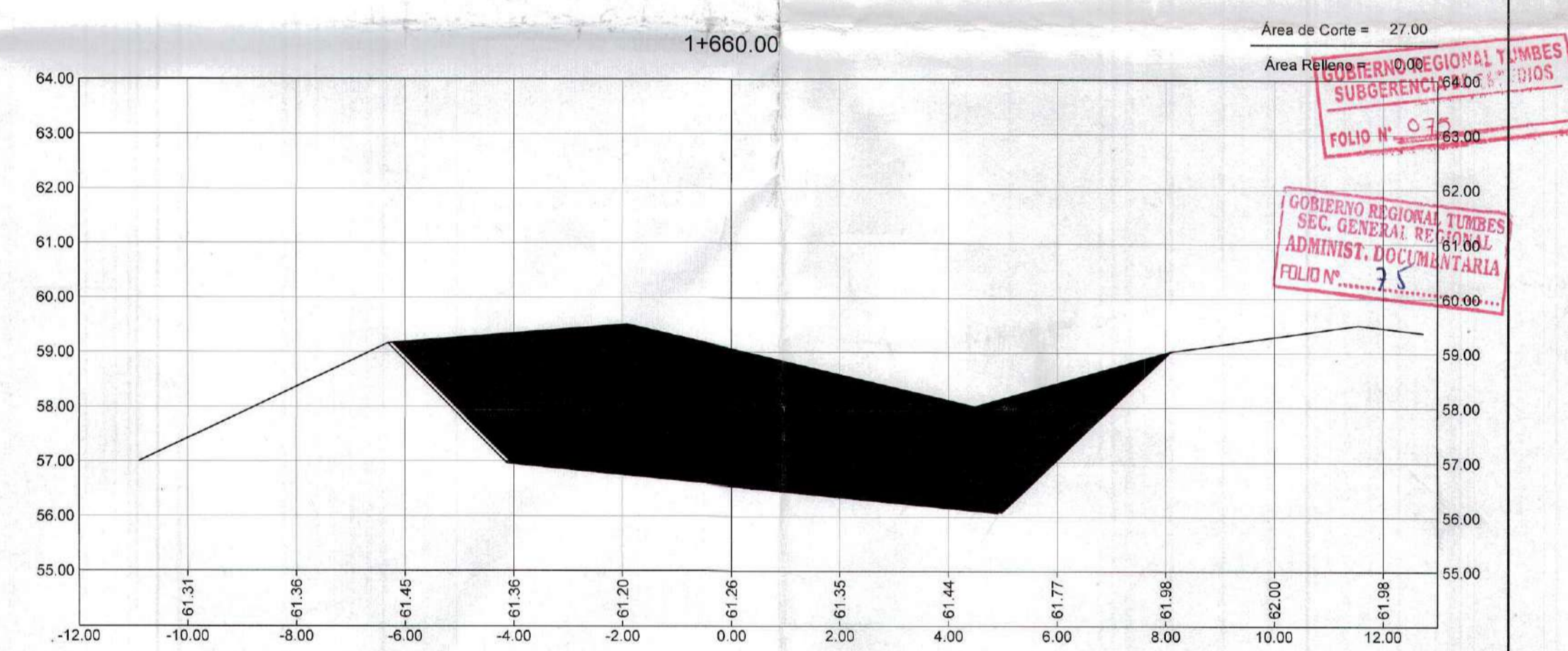
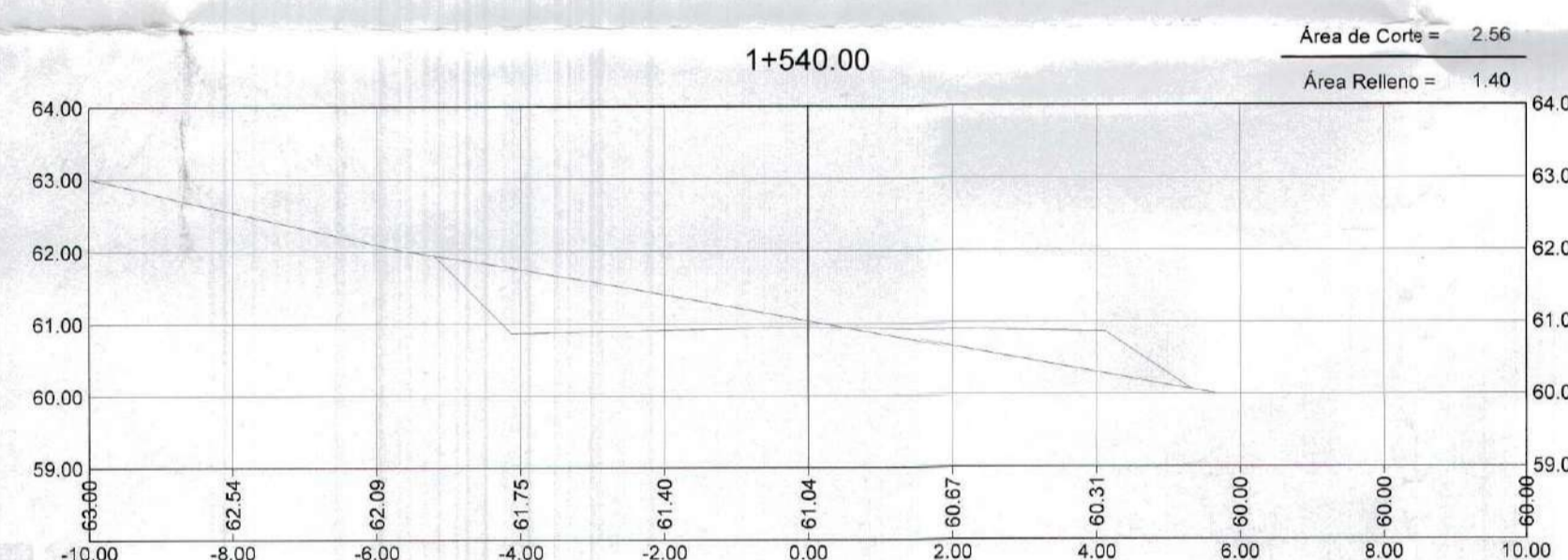
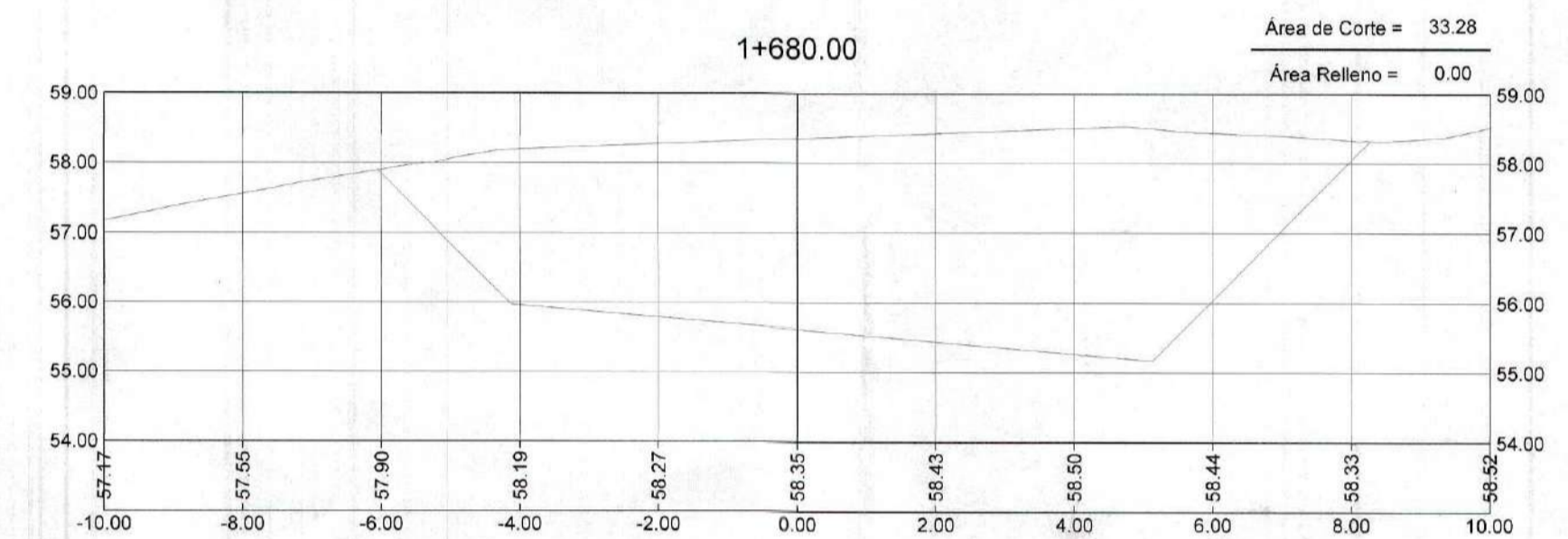
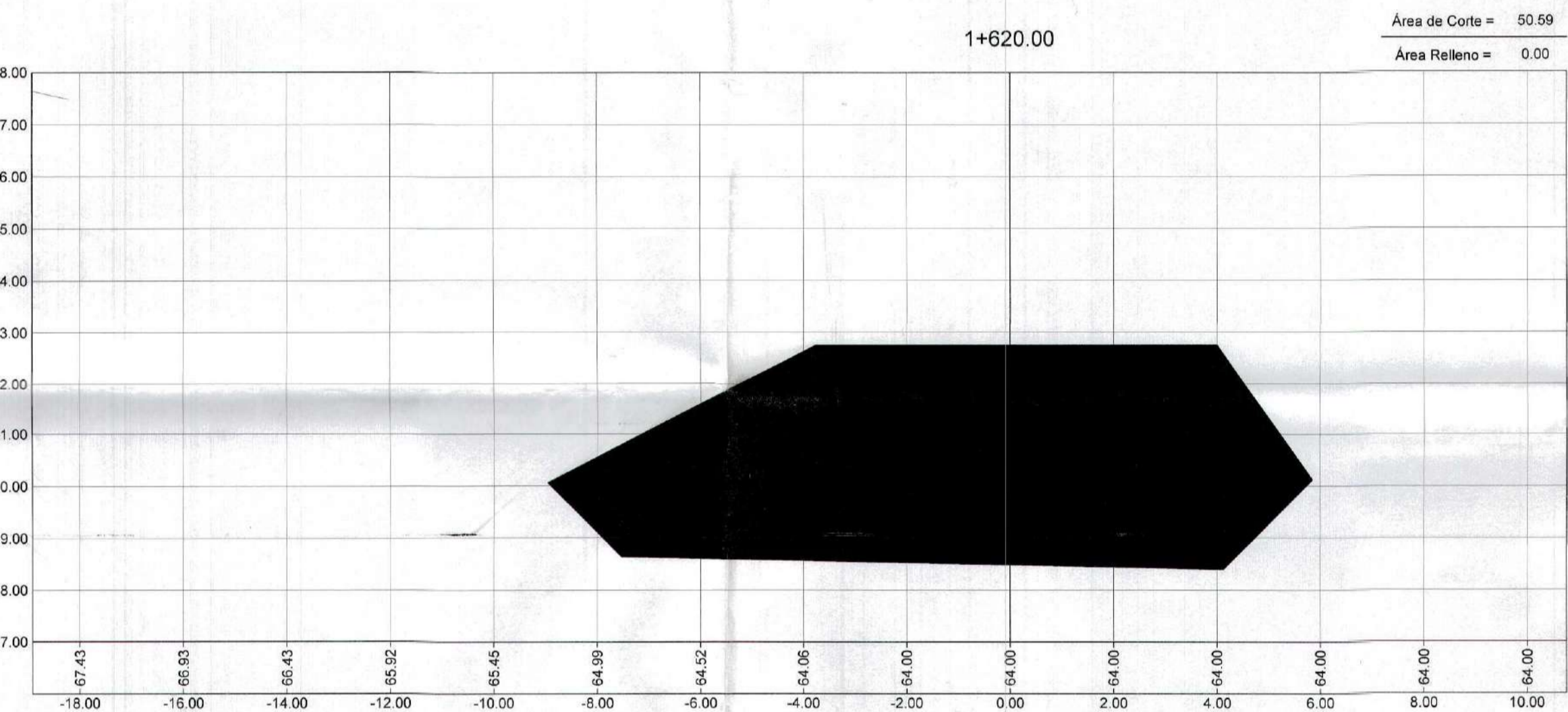
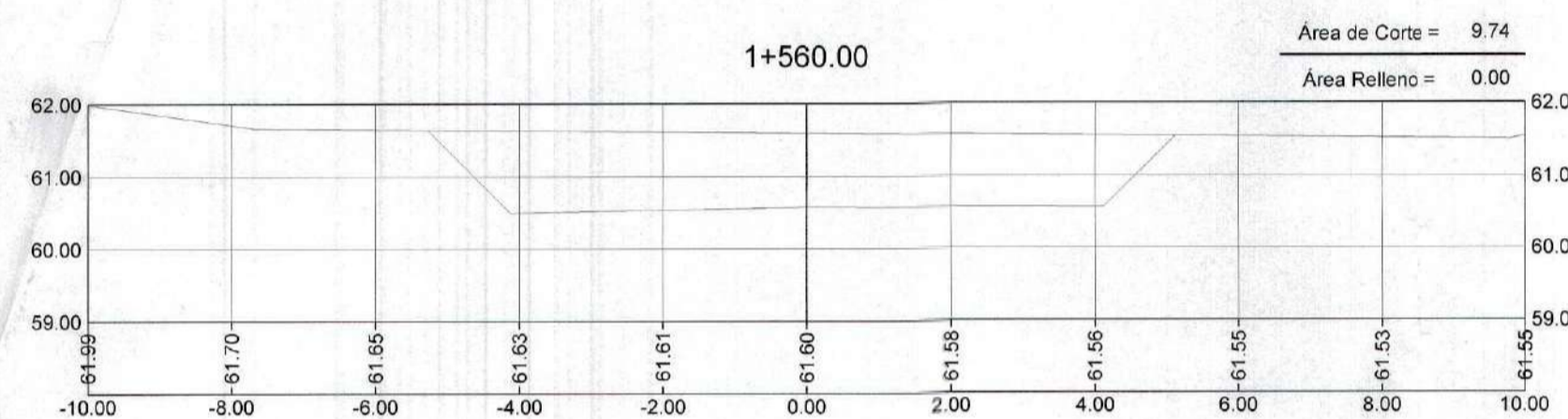
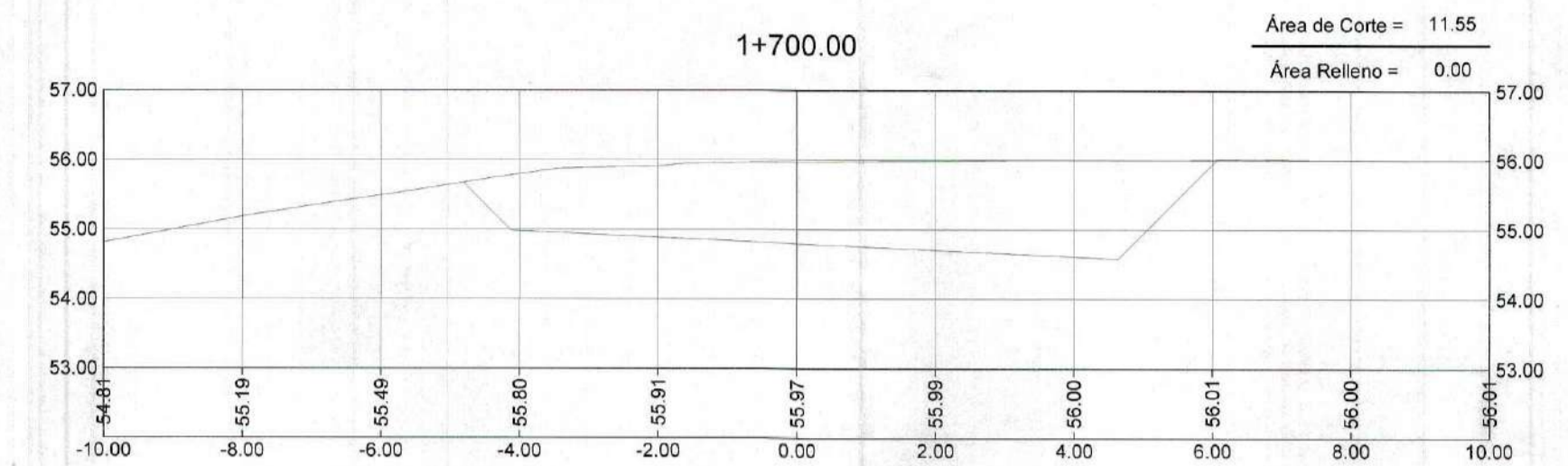
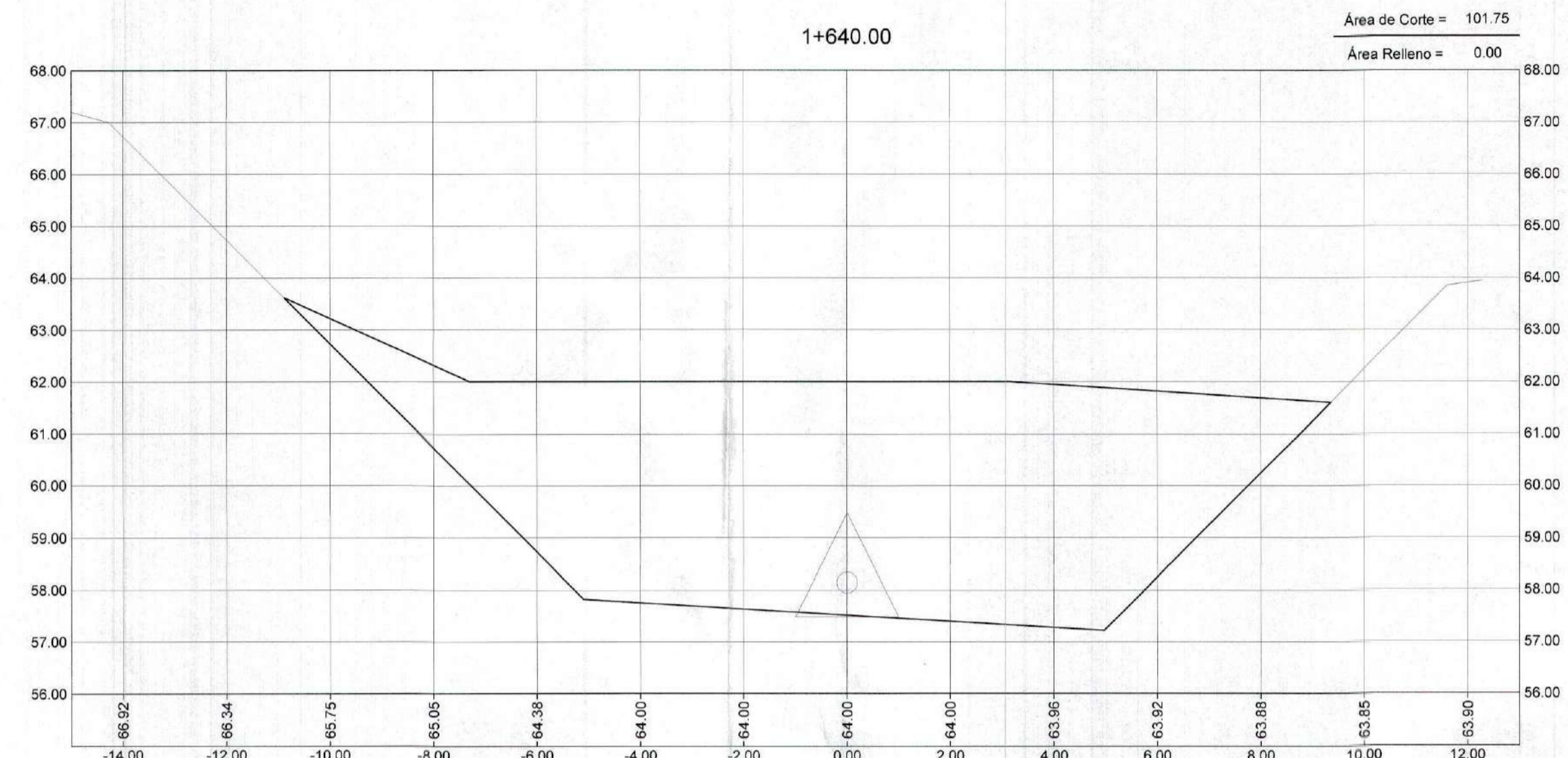
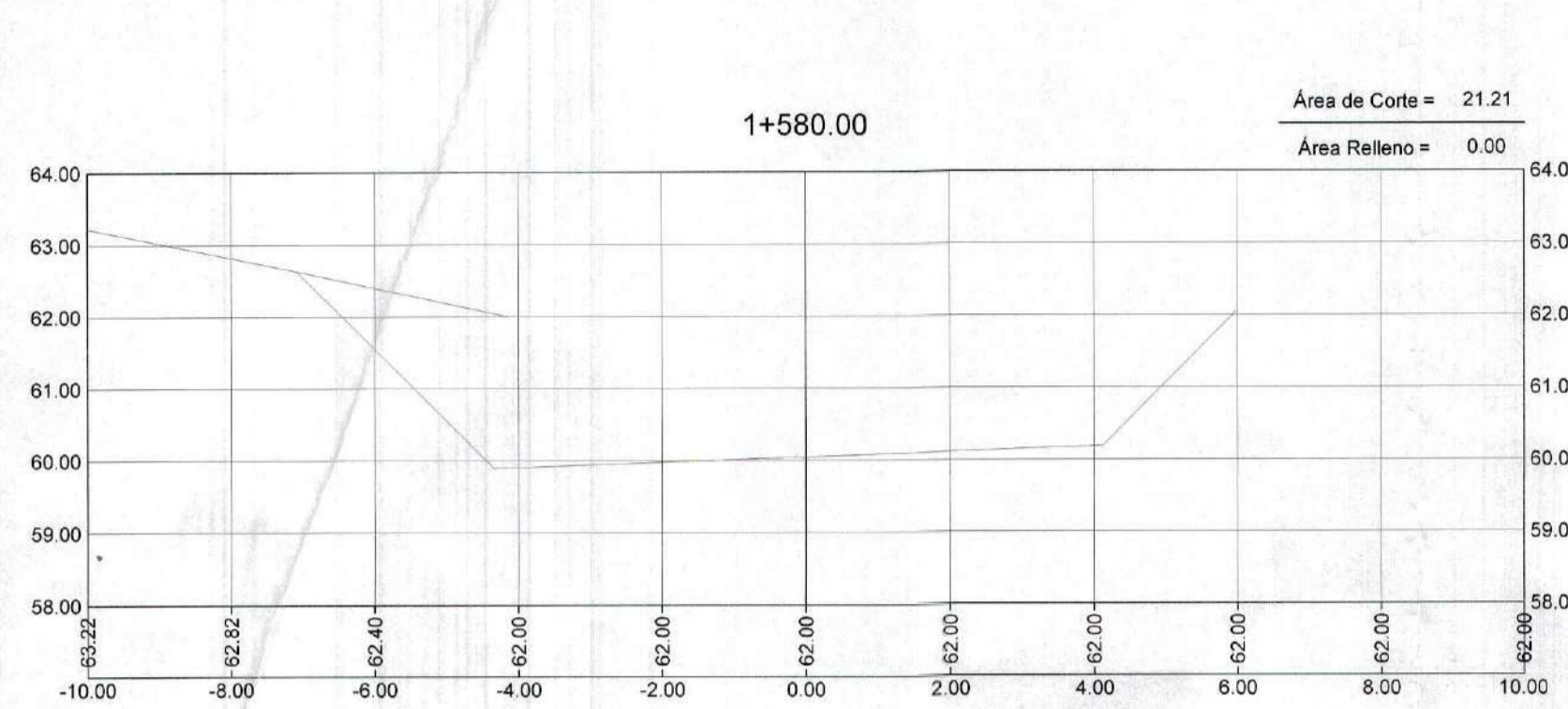
GOBIERNO REGIONAL TUMBES
 SUBGERENCIA DE ESTUDIOS
 FOLIO N.º 076

GOBIERNO REGIONAL TUMBES
 SUBGERENCIA REGIONAL
 ADMINISTRATIVA Y DOCUMENTARIA
 FOLIO N.º 76



Erick Fernando León Heredia
 INGENIERO CIVIL
 Reg. CIP 212975

GOBIERNO REGIONAL TUMBES GERENCIA REGIONAL DE INFRAESTRUCTURA		Presidente Regional: ING. WILMER DIOS BENITES
		Gerente General: ING. WILMER CORDOVA LOPEZ
Proyecto: "REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"		
Aprobado sub Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE		
Plano: SECCIONES TRANSVERSALES Prog: 1+220 - 1+500		Proyecto: ERICK F. LEON HEREDIA
DATUM: DATUM WUG 84		Tipo: INDICADA Distrito: SAN JACINTO CASITAS
Departamento: TUMBES		Provincia: TUMBES
Dibujo Cadi: ERICK F. LEON HEREDIA		Fecha: 2018
Laminas N.º: ST-37		



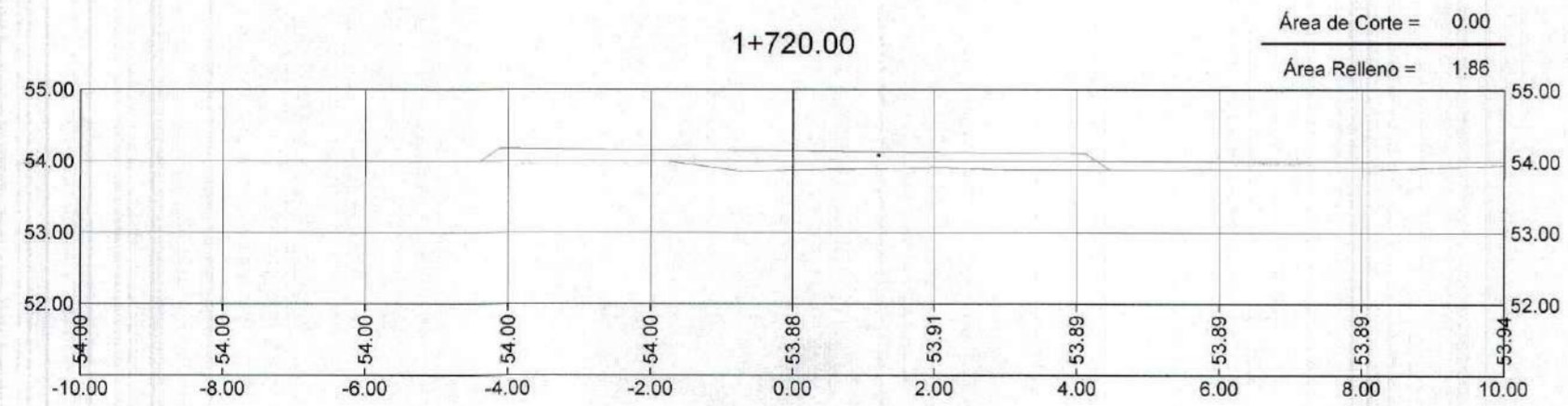
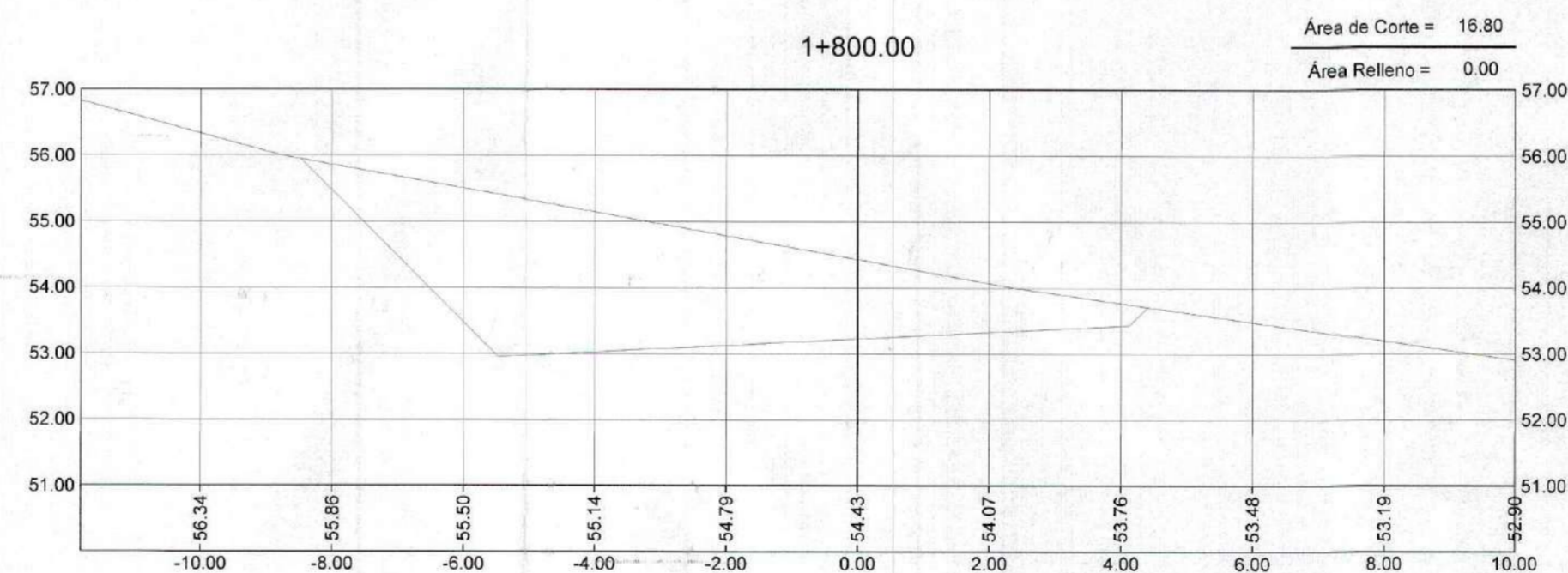
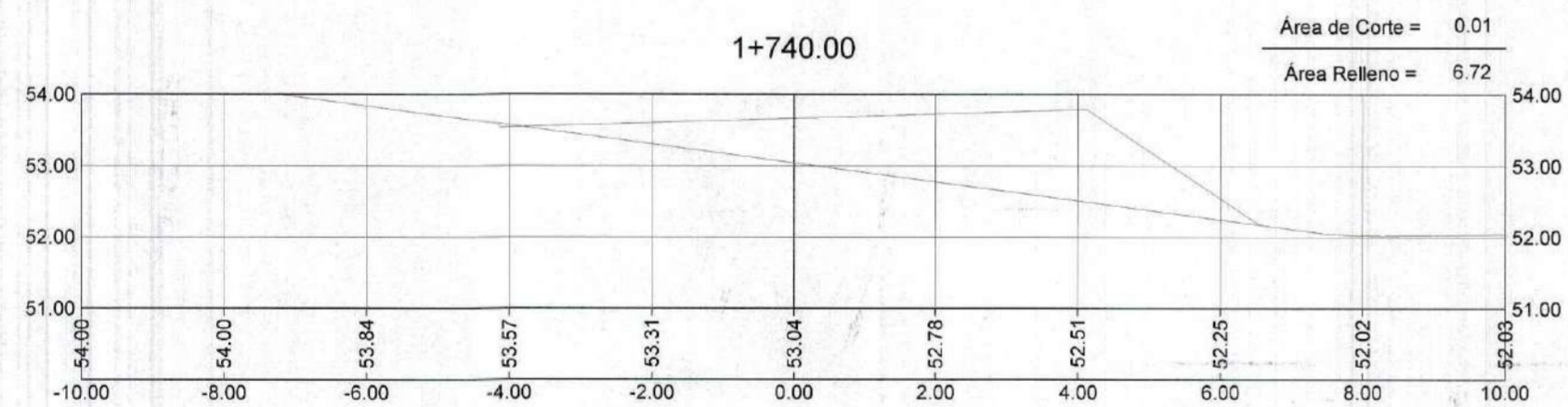
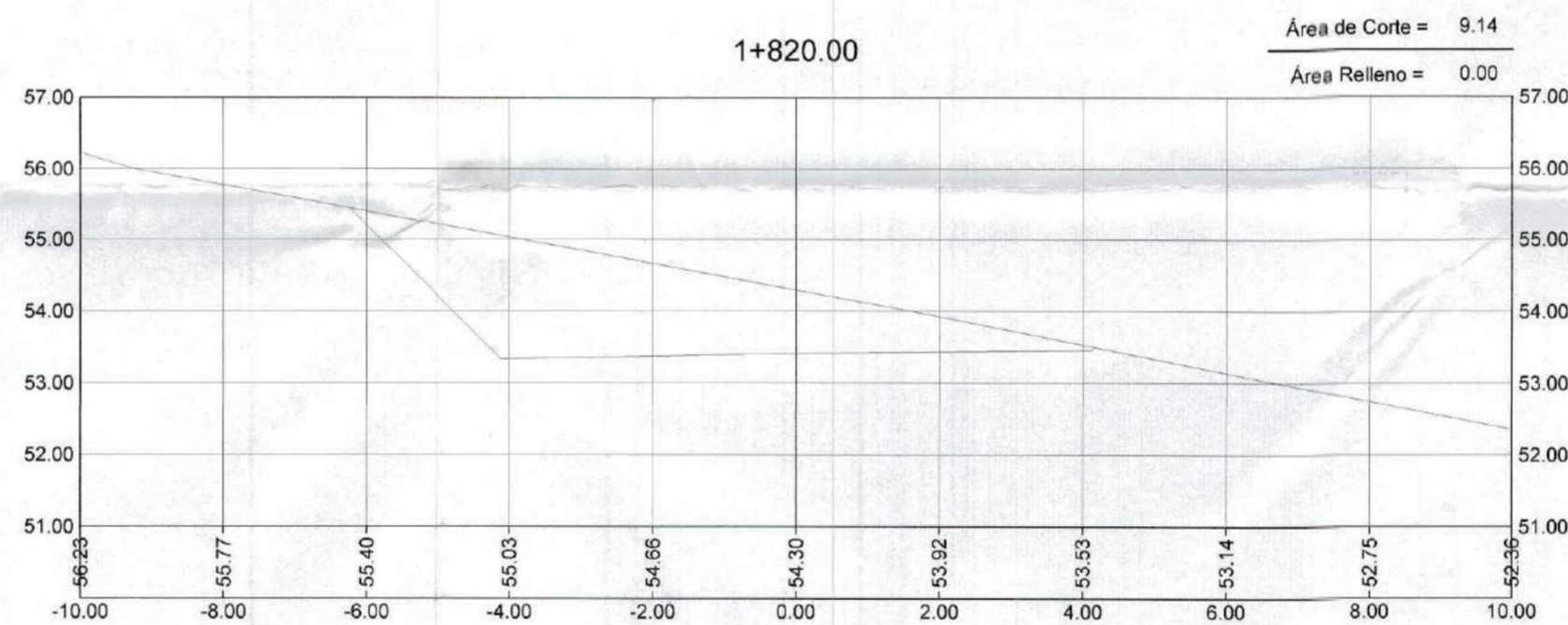
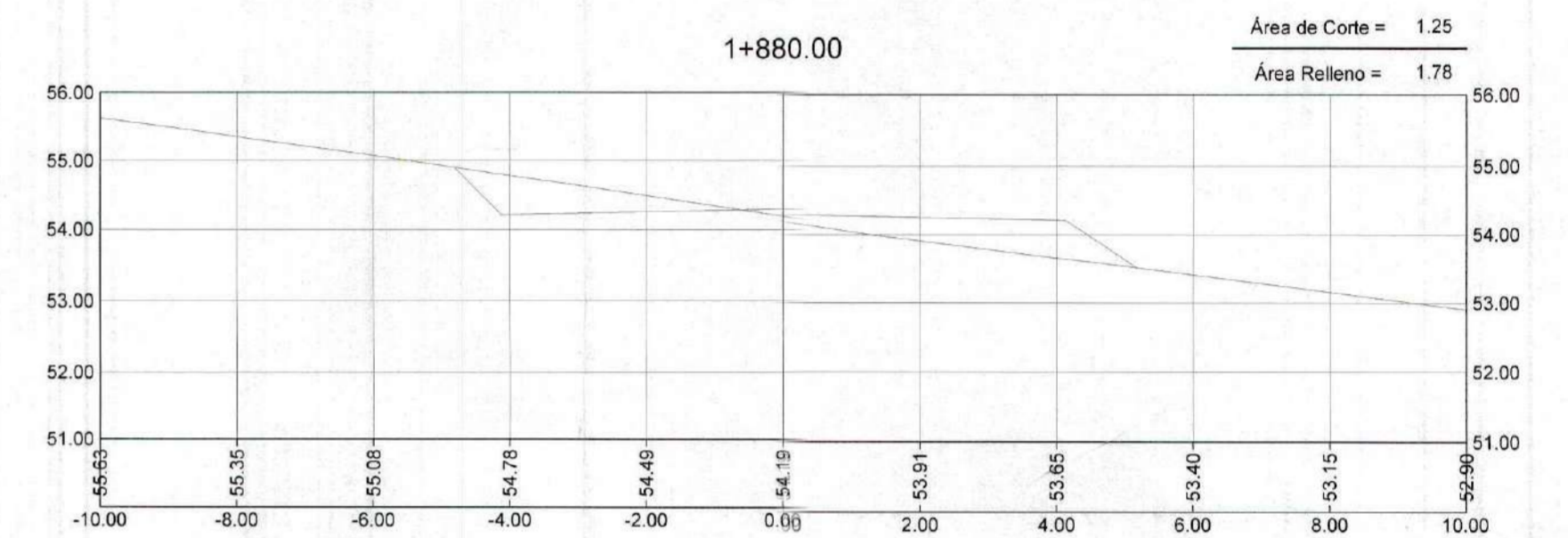
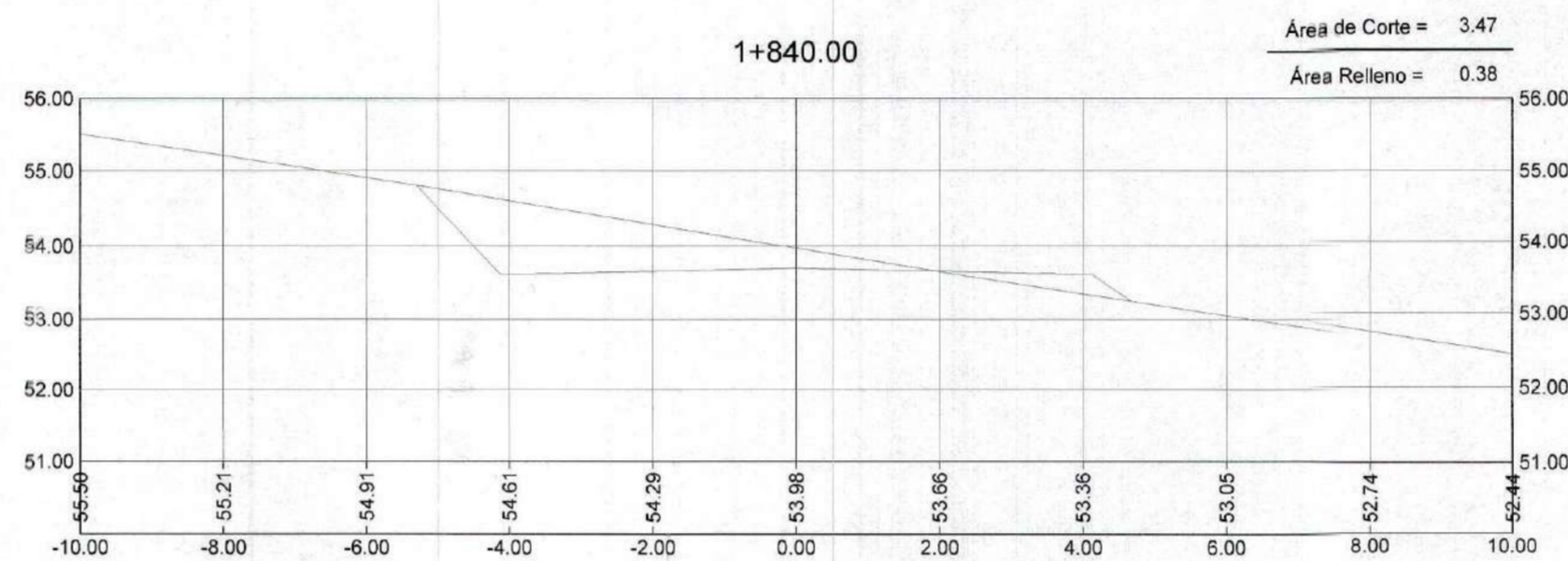
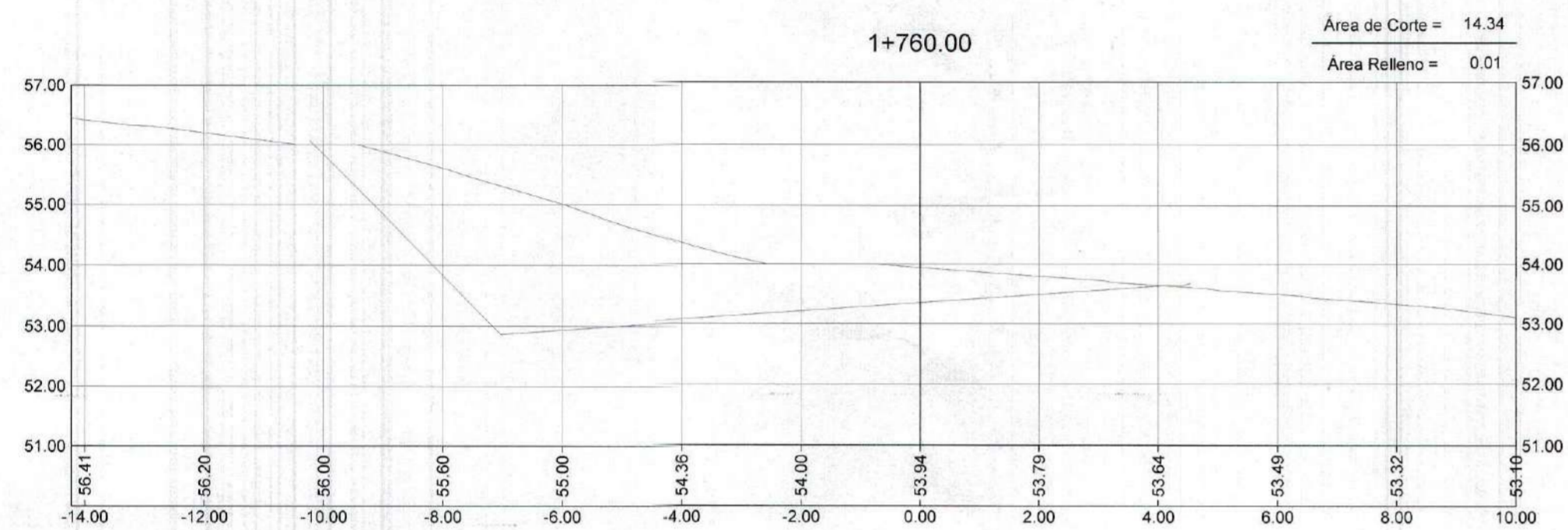
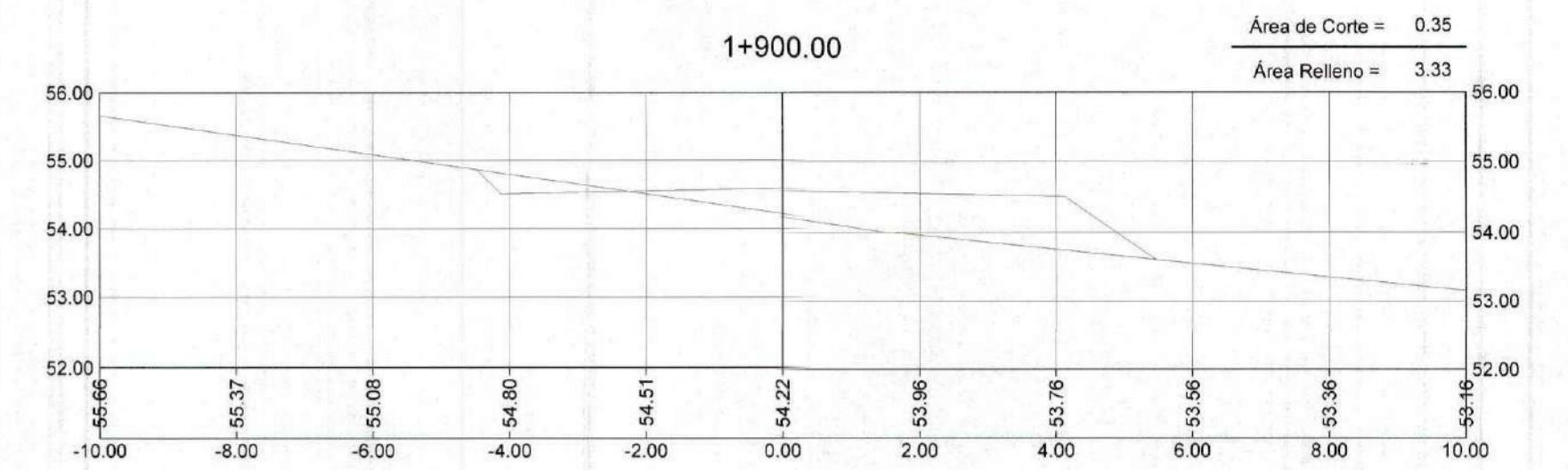
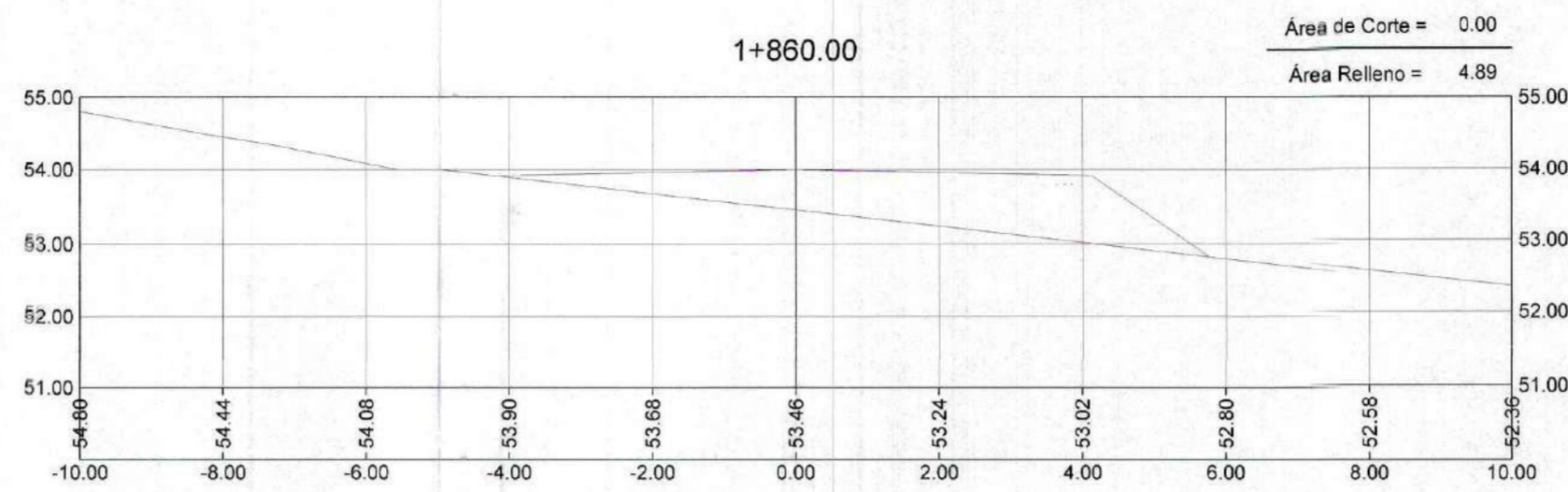
GOBIERNO REGIONAL TUMBES
SUBGERENCIA REGIONAL DE OBRAS PUBLICAS
FOLIO N° 072

GOBIERNO REGIONAL TUMBES
SEC. GENERAL DE ADMINISTRACION
ADMINISTR. DOCUMENTARIA
FOLIO N° 35



Erick Fernando León Heredia
INGENIERO CIVIL
Reg. CIP 212975

		GOBIERNO REGIONAL TUMBES	
		GERENCIA REGIONAL DE INFRAESTRUCTURA	
Proyecto:	"REHABILITACION DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"		Presidencia Regional: ING. WILMER DIOS BENITES Gerencia General:
Plan:	SECCIONES TRANSVERSALES Prog: 1+520 - 1+700		VPM Gerencia Regional de Infraestructura: ING. WILMER CORDOVA LOPEZ Aprobado sub Gerencia de Estudios: ING. FREDY R. SALAZAR CHONATE
DATUM:	DATUM WUG 84	Departamento:	TUMBES
Provincia:	TUMBES	Distrito:	SAN JACINTO CASITAS
Proyecto:	ERICK F. LEON HEREDIA	Diseño Civil:	ST-38
Escala:	INDICADA	Lamina N°:	



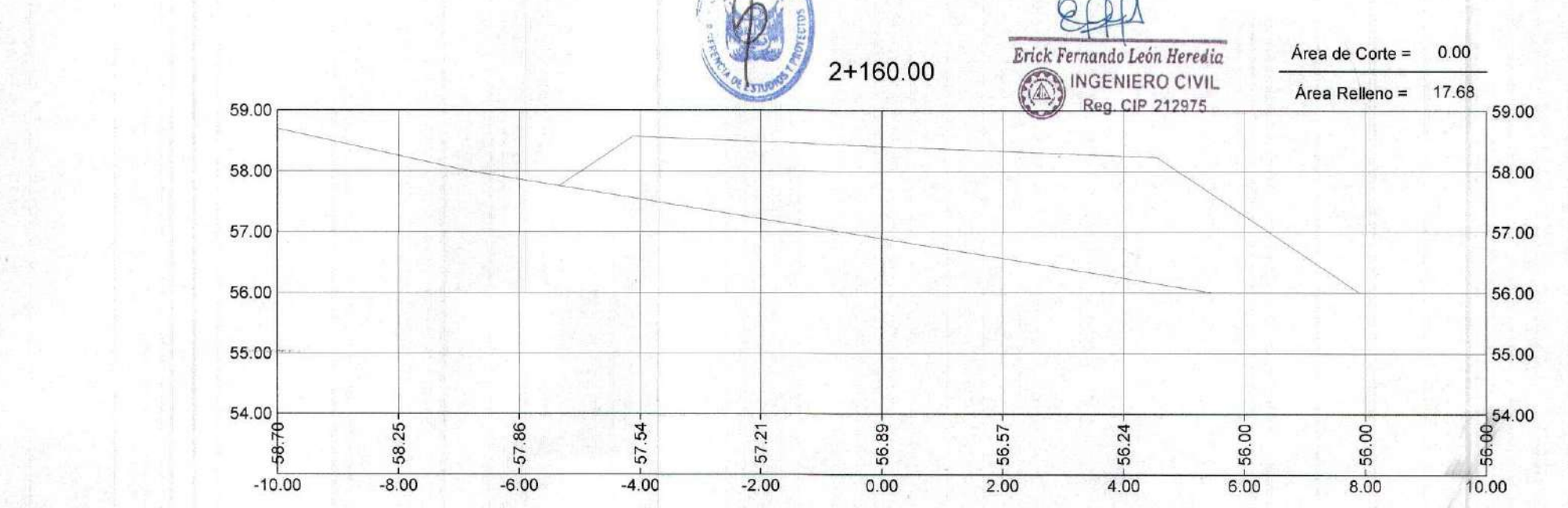
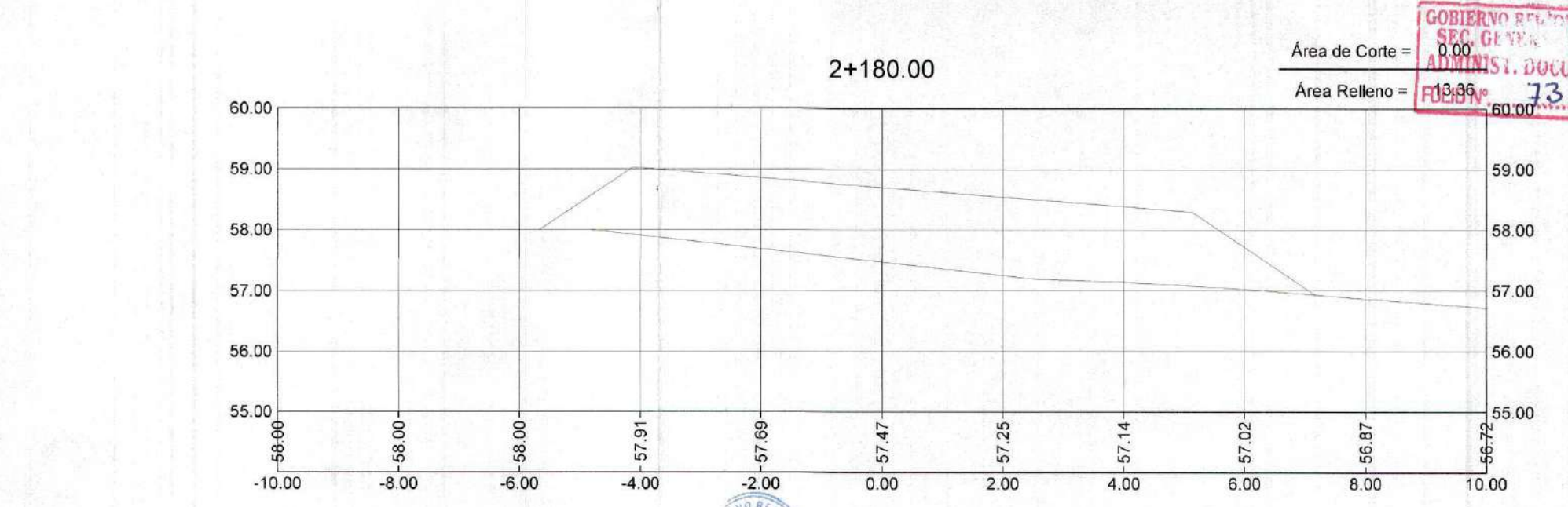
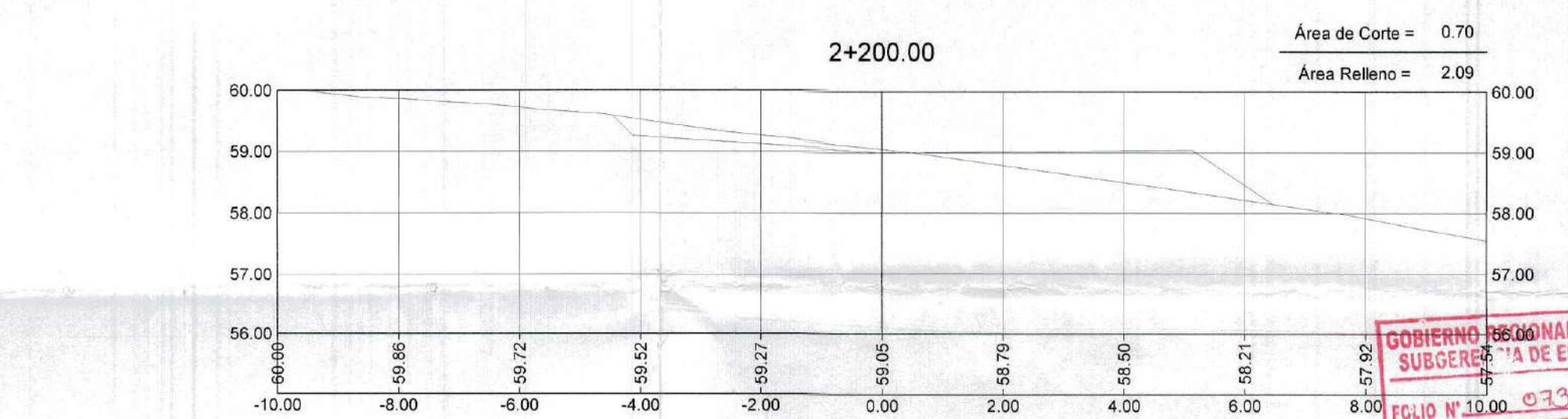
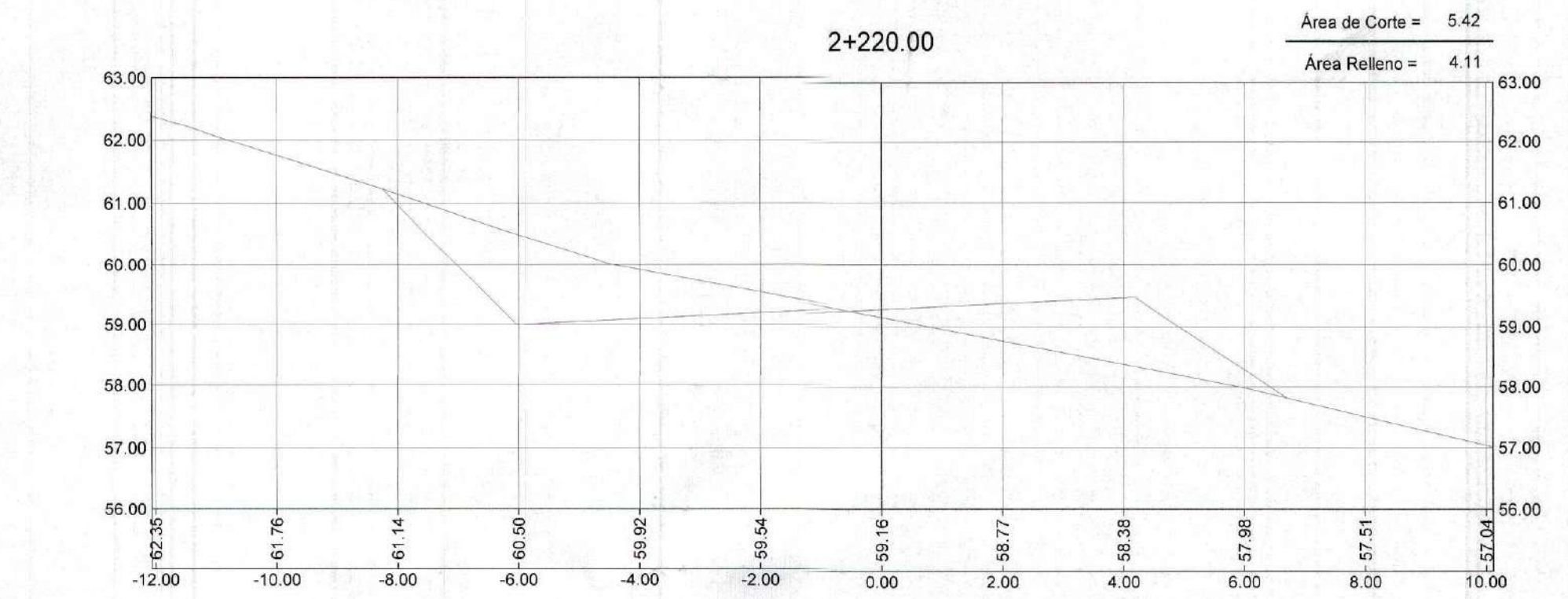
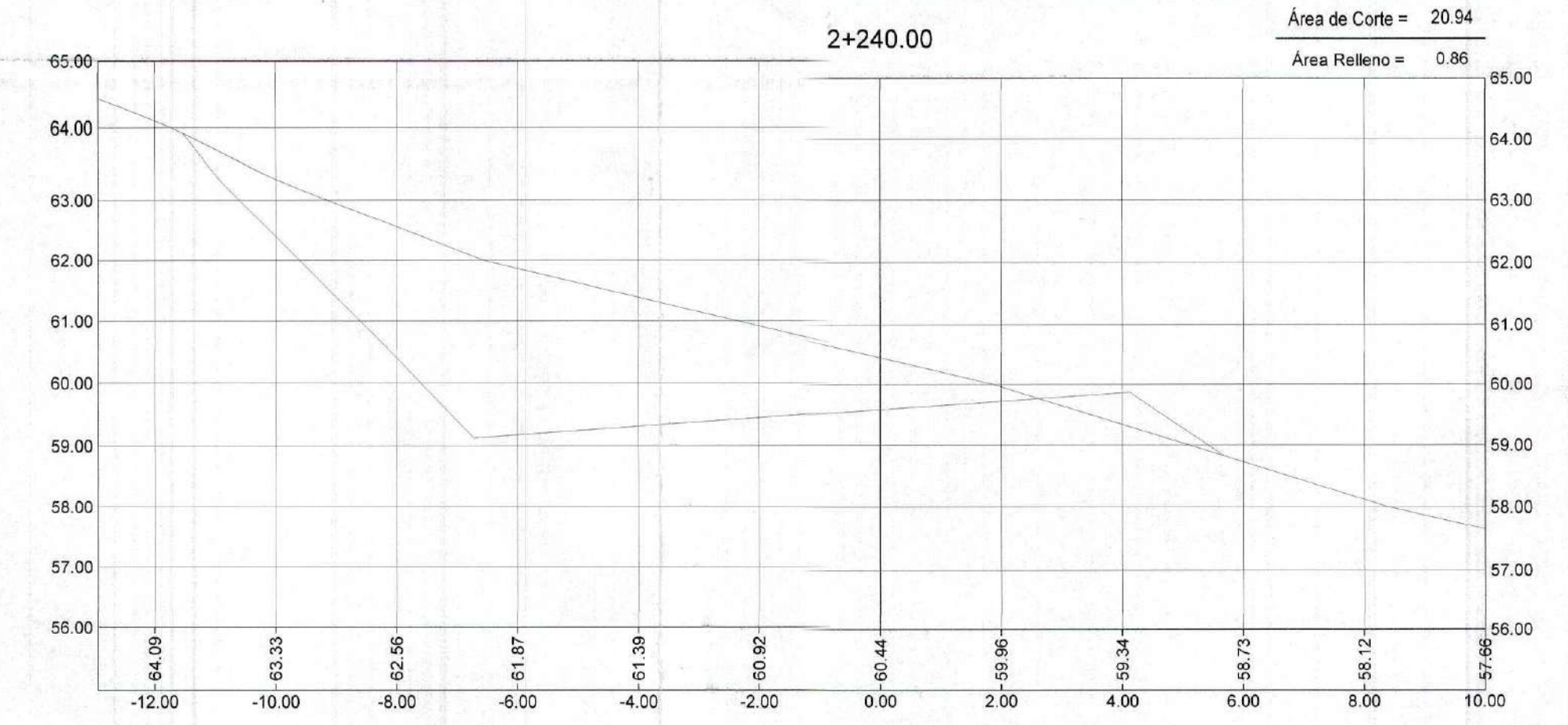
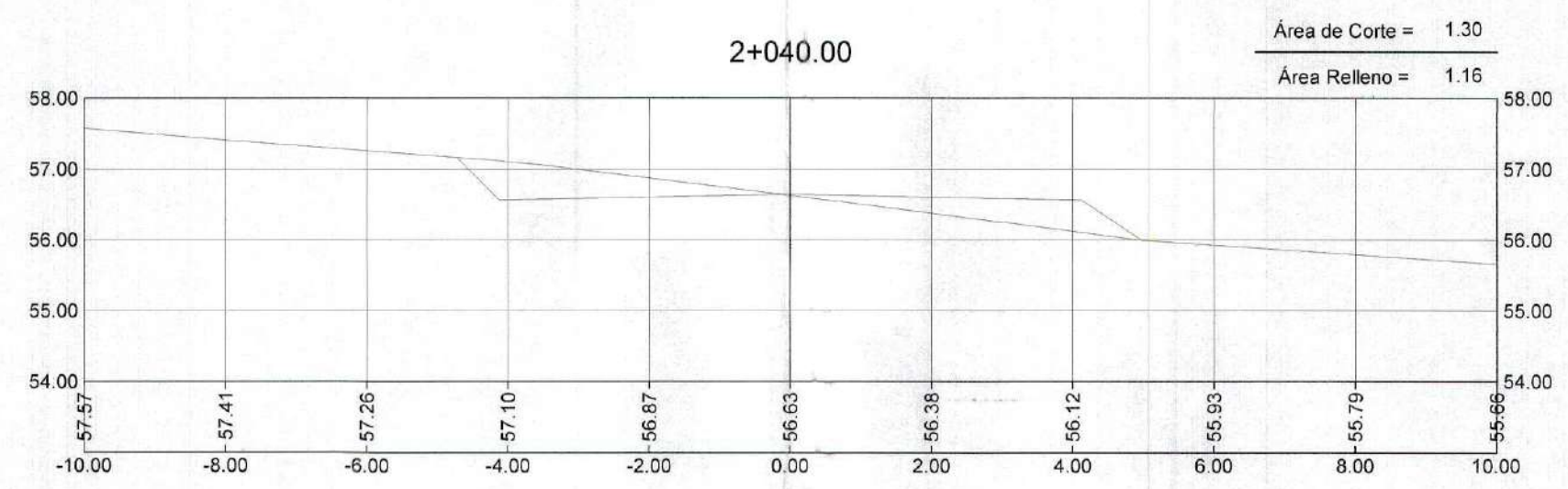
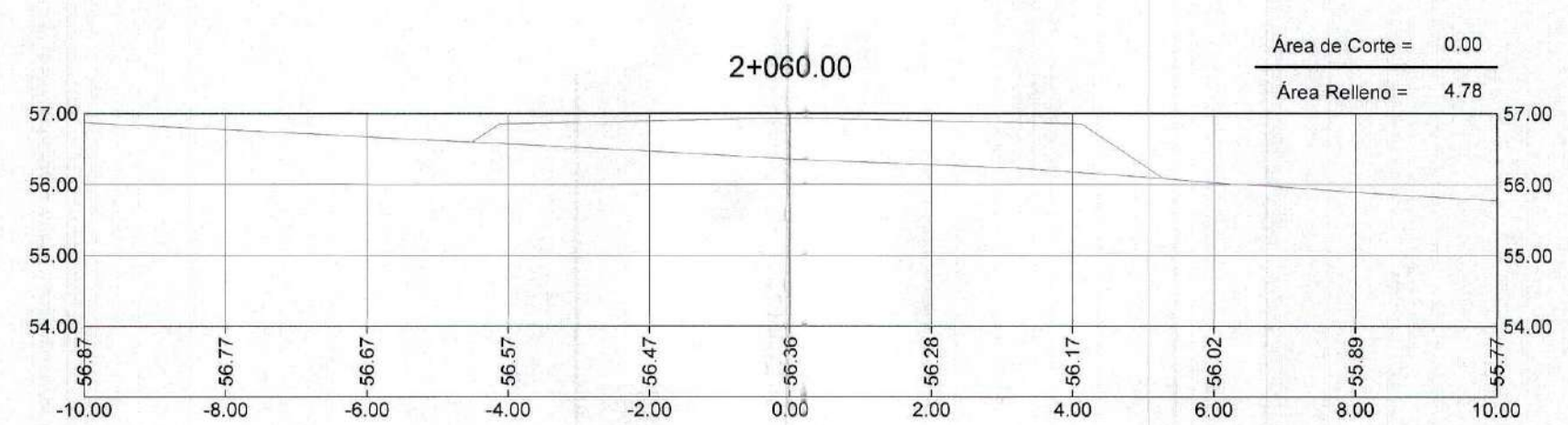
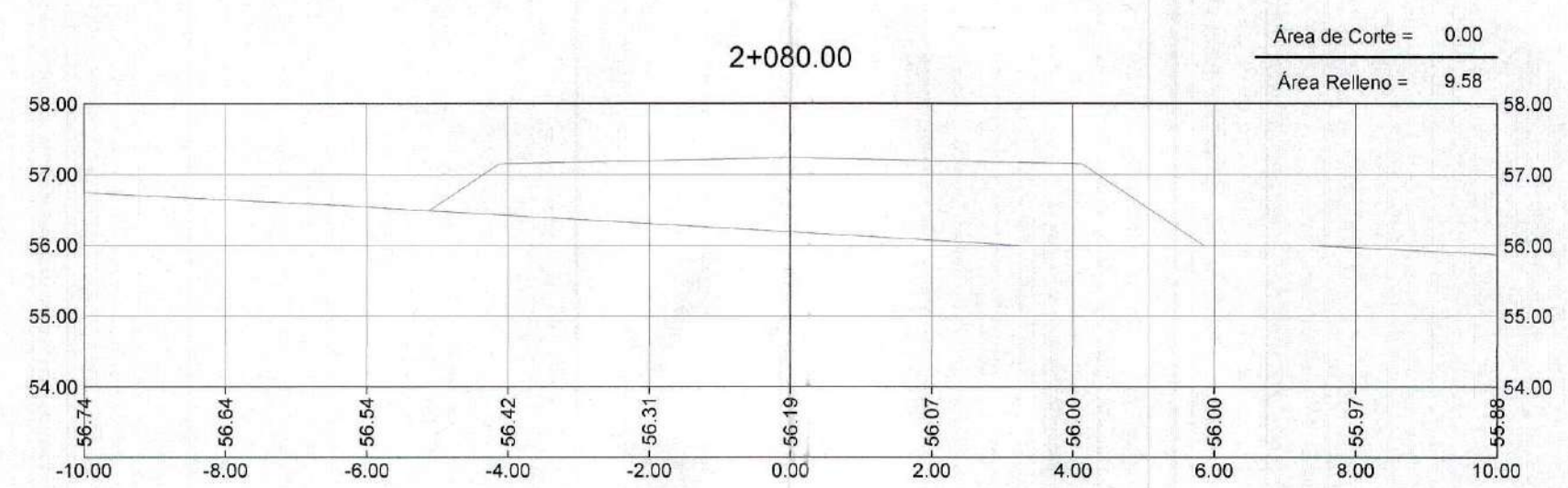
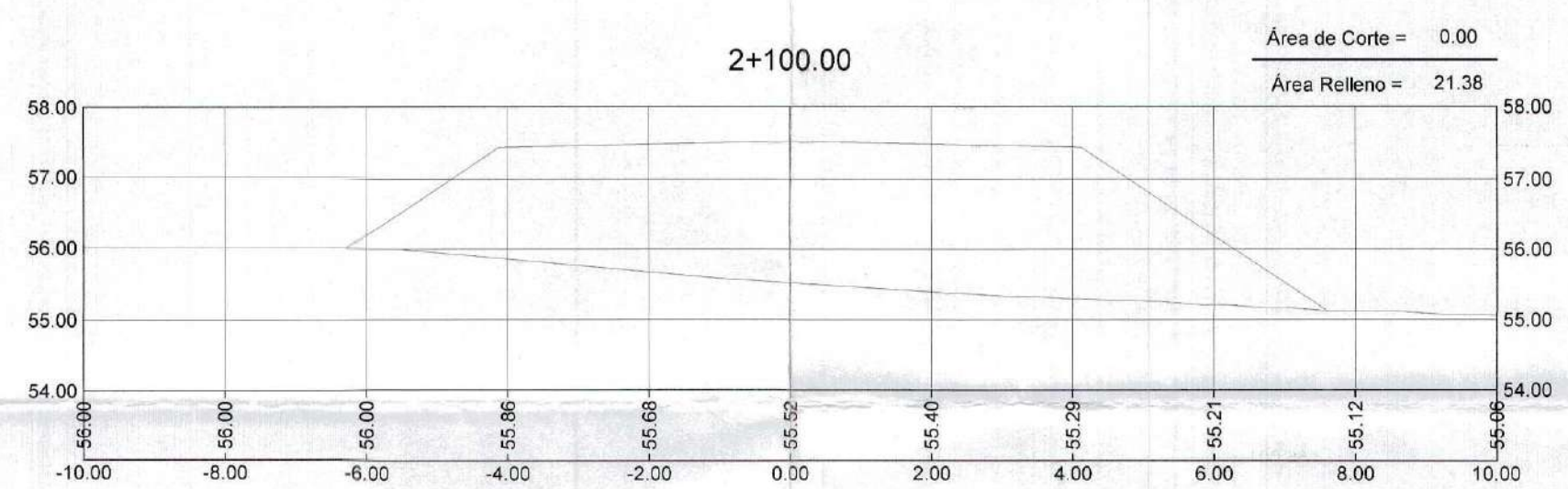
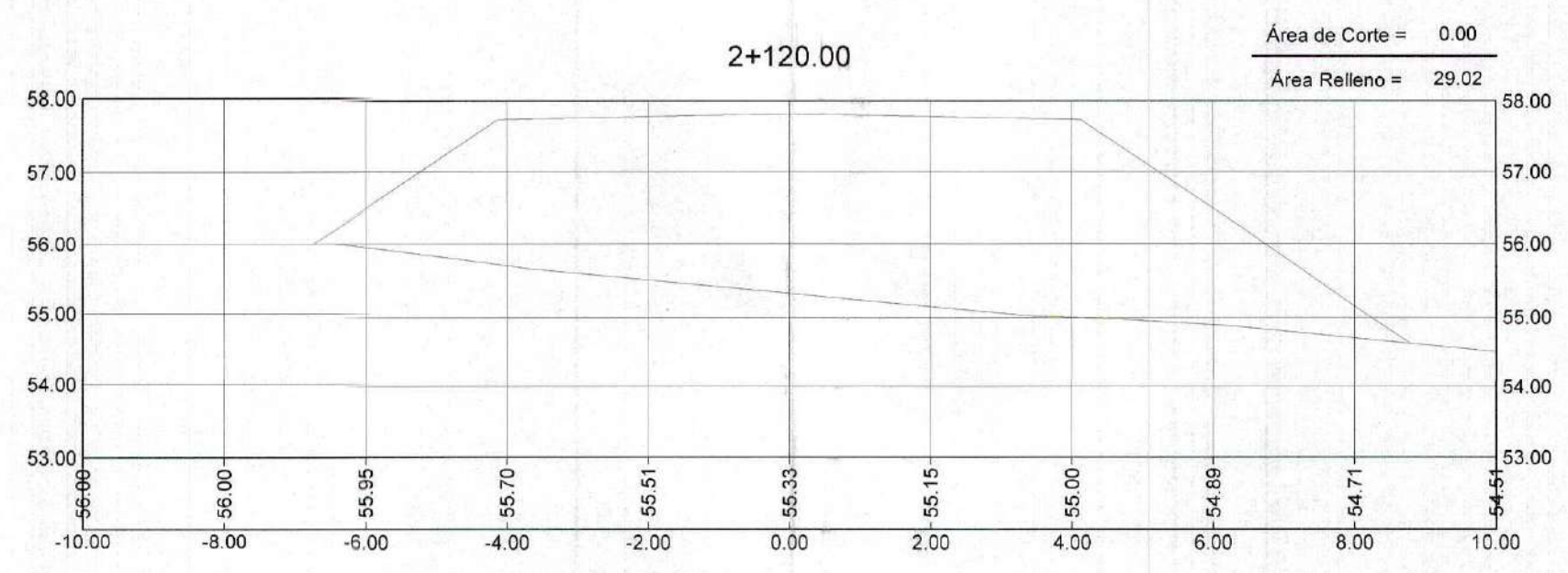
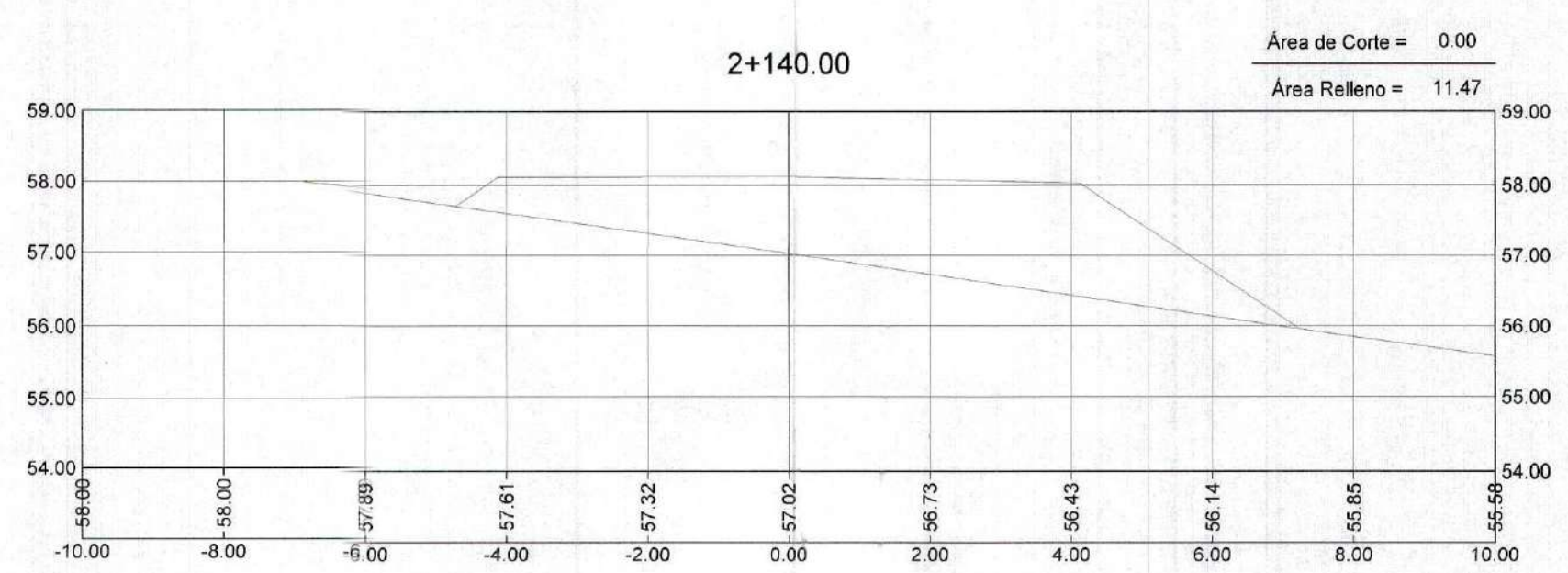
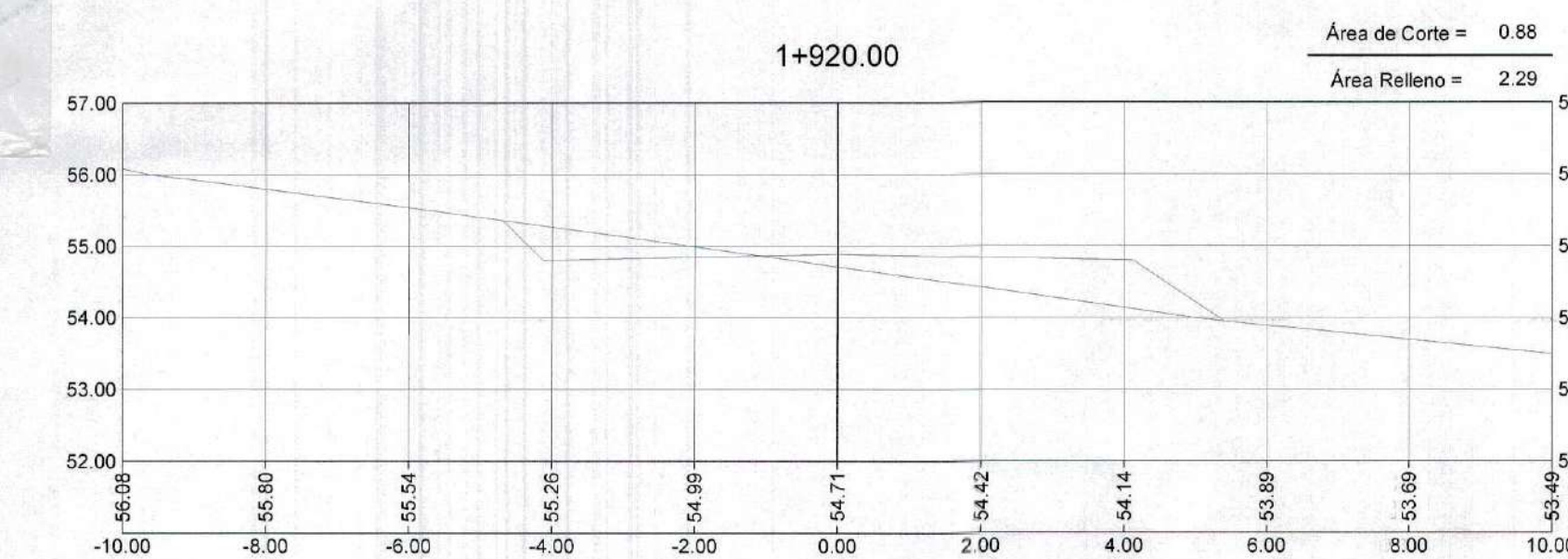
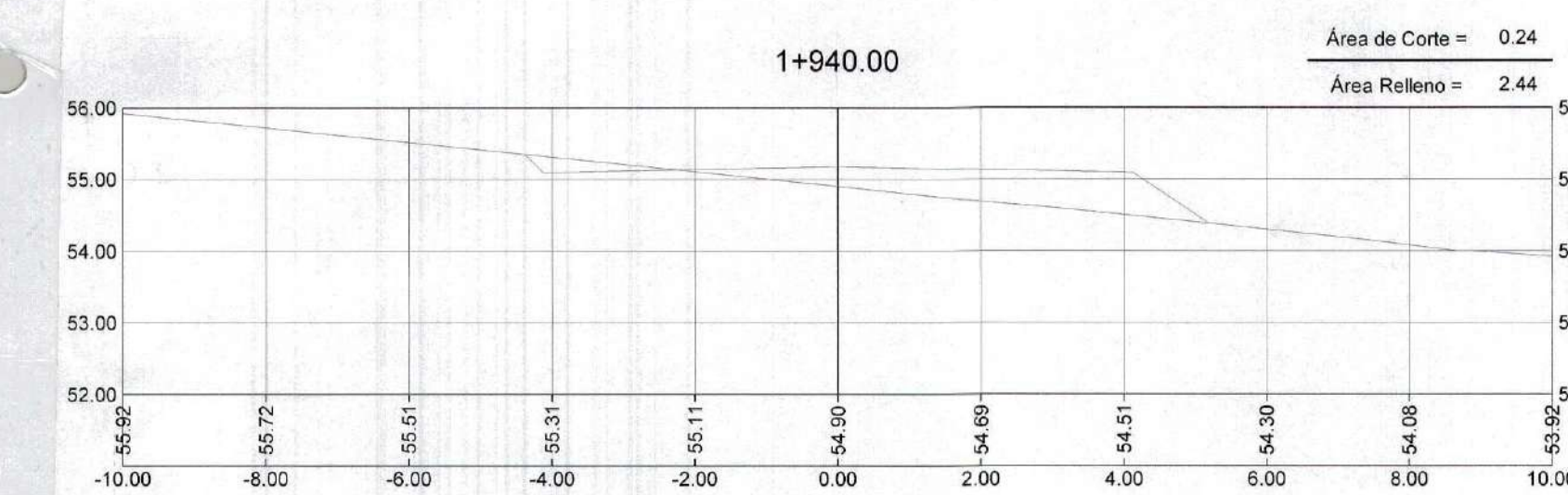
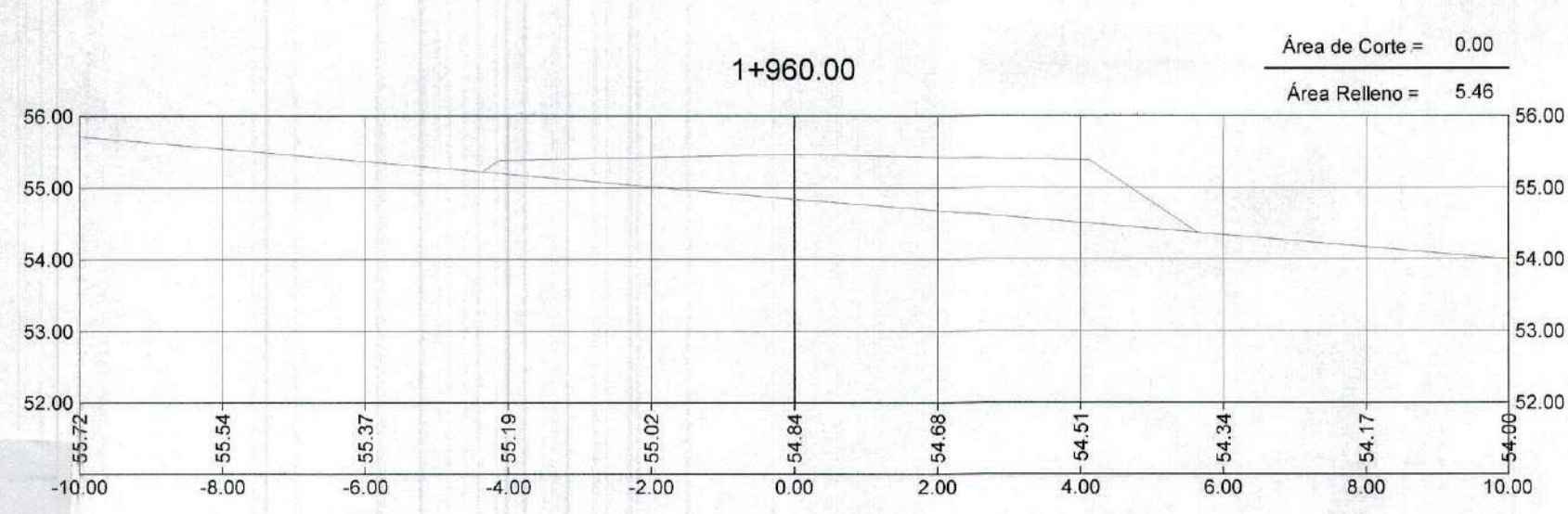
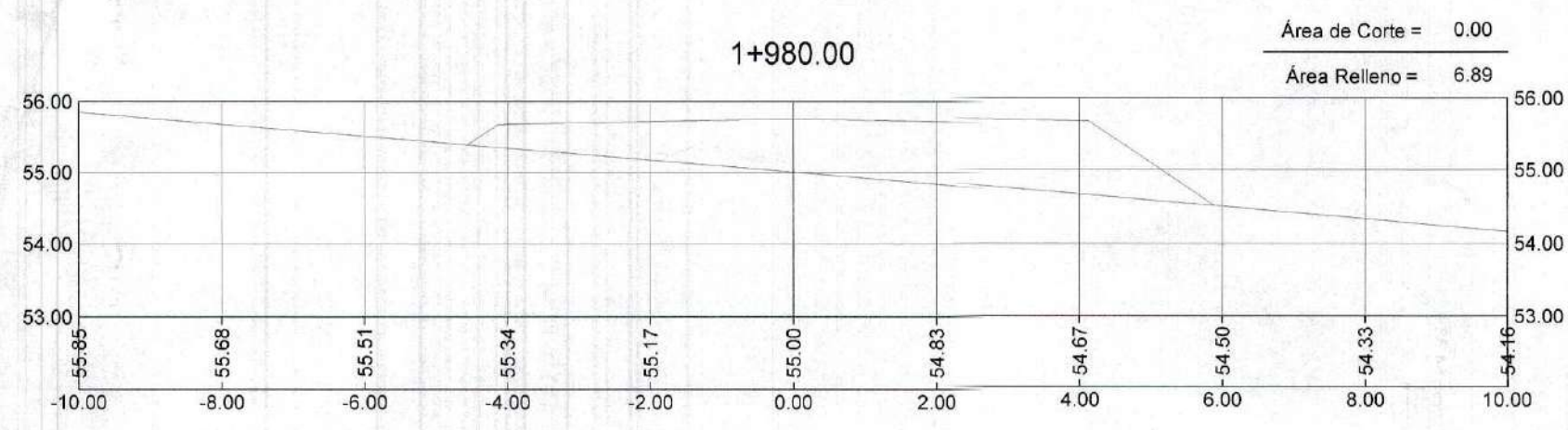
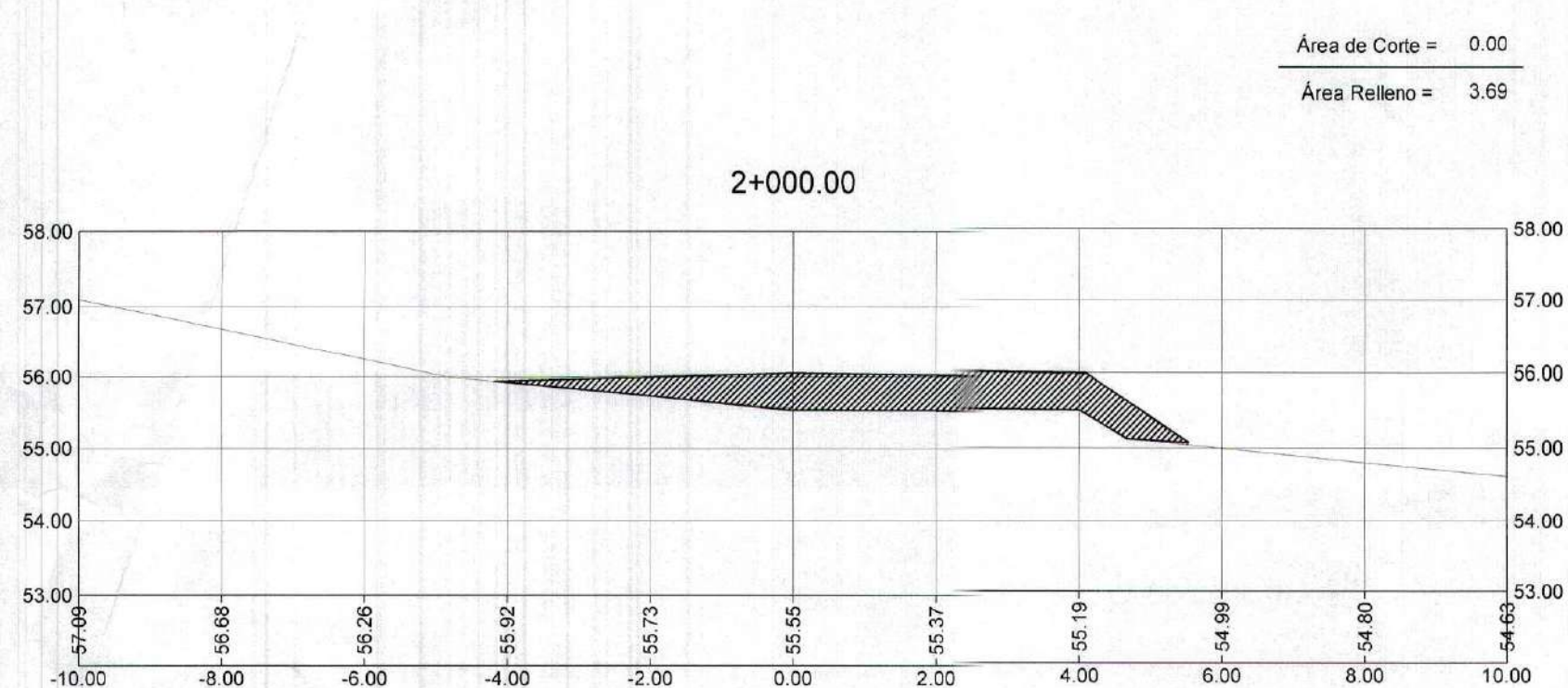
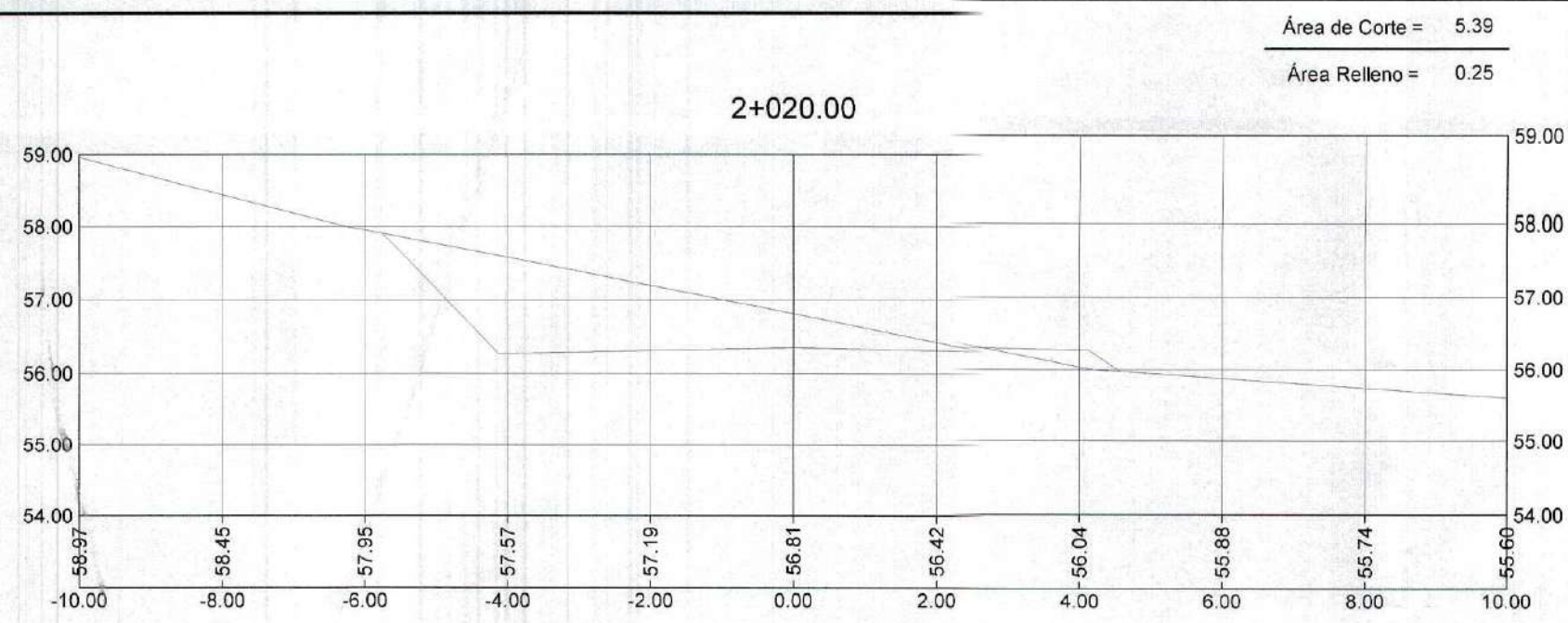
GOBIERNO REGIONAL TUMBES
SUBGERENCIA DE ESTUDIOS
FOLIO N° 074

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL
ADMINISTR. DOCUMENTARIA
FOLIO N° 74



Erick Fernando León Heredia
INGENIERO CIVIL
Reg. CIP 212975

 GOBIERNO REGIONAL TUMBES GERENCIA REGIONAL DE INFRAESTRUCTURA		Presidencia Regional:	ING. WILMER DIOS BENITES
		Gerencia General:	ING. WILMER CORDOVA LOPEZ
Proyecto:		VMP Gerencia Regional de Infraestructura	
"REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"		ING. WILMER CORDOVA LOPEZ	
Aprobado por Gerencia de Estudios:		ING. FREDY R. SALAZAR CHONATE	
Proyectista:		ERICK F. LEON HEREDIA	Dibujó Civil:
Escala:		INDICADA	Folio:
Lamina N°:		ST-39	
Fecha:	Departamento:	Provincia:	Distrito:
DATUM WUG 84	TUMBES	TUMBES	SAN JACINTO CASITAS



GOBIERNO REGIONAL TUMBES
SUBGERENCIA REGIONAL DE ESTUDIOS
FOLIO N° 10.00 073

GOBIERNO REGIONAL TUMBES
SEC. GENERAL REGIONAL ADMINISTRATIVA
FOLIO N° 10.00 073



Erick Fernando León Heredia
INGENIERO CIVIL
Reg. CIP 212375



GOBIERNO REGIONAL TUMBES

GOBIERNO REGIONAL
GERENCIA REGIONAL DE INFRAESTRUCTURA

Proyecto:	"REHABILITACIÓN DE LA CARRETERA TRAMO RICA PLAYA - BOCANA EN LOS DISTRITOS DE SAN JACINTO - CASITAS"		Vicerrectoría Regional de Infraestructura:	ING. WILMER DIOS BENITES
Plano:	SECCIONES TRANSVERSALES Prog: 1+920 - 2+240		Aprobado por Gerencia de Estudios:	ING. FREDY R. SALAZAR CHONATE
DATUM:	DATUM WUG 84	Topografía:	Provincia:	TUMBES
			Districto:	SAN JACINTO CASITAS
			Escala:	INDICADA
			Fecha:	
			Lamina N°:	ST-40