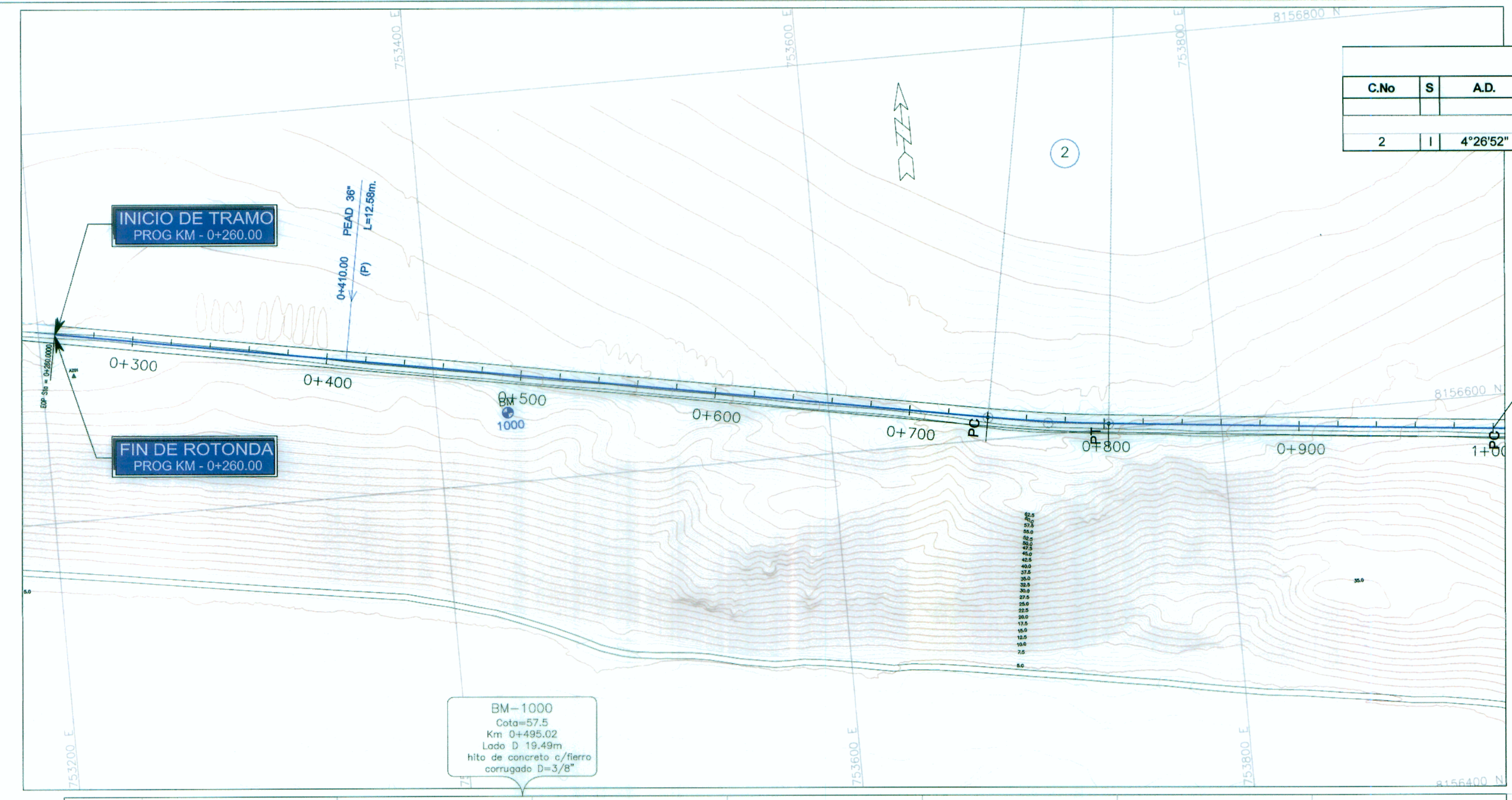
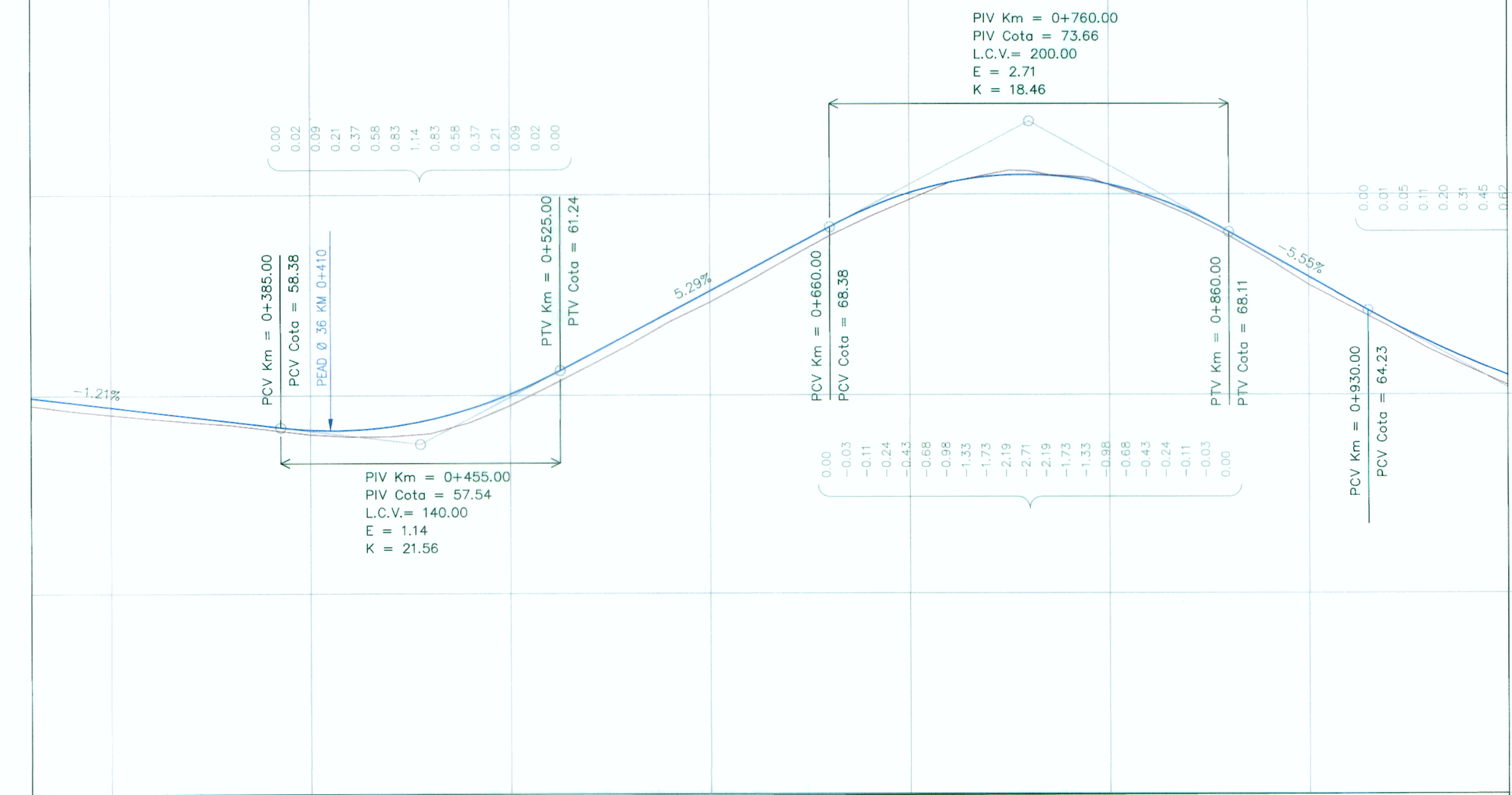


ESCALA
H : 1/2000



ELEMENTOS DE CURVAS HORIZONTALES																
C.No	S	AD.	R	T.G.	L.C.	Lsp e	TS	SC ó PC	PI	CS ó PT	ST	Lsp s	S.A.	P %	NORTE	ESTE
					0+000.00				0+000.00						8156685.700	752950.340
2	I	4°26'52"	800.00	31.067	62.103			0+740.254	0+771.321	0+802.357				0.3	3.0	8156605.950 753711.510

ESCALA
H : 1/2000
V : 1/200



PENDIENTE	-1.21% en 325.0 m	5.29% en 305.0 m	-5.55% en 270.0 m
COTA DE SUBRASANTE	59.37 59.77 59.23 59.65 59.13 59.53 59.03 59.41 58.94 59.29 58.75 59.05 58.66 58.93 58.59 58.81 58.51 58.69 58.39 58.56 58.27 58.44 58.15 58.33 58.03 58.25 57.97 58.23 57.91 58.25 58.31 57.92 58.42 58.00 58.56 58.07 58.78 58.35 59.03 58.63 59.33 59.06 59.67 59.59 60.06 59.97 60.50 60.46 60.99 60.88 61.50 61.49 62.03 62.01 62.56 62.54 63.09 63.11 63.62 63.68 64.15 64.16 64.67 64.64 65.20 65.18 65.73 65.71 66.26 66.79 66.84 67.32 67.39 67.85 67.94 68.38 68.41 68.88 68.87 69.32 69.29 69.72 69.72 70.06 70.14 70.34 70.56 70.57 70.77 70.75 70.98 70.87 71.18 70.94 71.15 70.95 -2.71 70.94 70.81 70.88 70.82 70.81 70.67 70.44 70.47 70.21 70.11 70.21 69.78 69.90 69.35 69.53 68.92 69.11 68.42 68.64 67.92 68.11 67.33 67.56 66.74 67.00 66.12 66.45 65.49 65.89 64.98 65.34 64.46 64.78 63.94 64.23 63.43 63.68 62.86 63.17 62.59 62.67 61.63 62.21 61.35 61.76 60.90 61.35 60.46		
COTA DE TERRENO	59.50 59.82 59.37 59.77 59.23 59.65 59.13 59.53 59.03 59.41 58.94 59.29 58.75 59.05 58.66 58.93 58.59 58.81 58.51 58.69 58.39 58.56 58.27 58.44 58.15 58.33 58.03 58.25 57.97 58.23 57.91 58.25 58.31 57.92 58.42 58.00 58.56 58.07 58.78 58.35 59.03 58.63 59.33 59.06 59.67 59.59 60.06 59.97 60.50 60.46 60.99 60.88 61.50 61.49 62.03 62.01 62.56 62.54 63.09 63.11 63.62 63.68 64.15 64.16 64.67 64.64 65.20 65.18 65.73 65.71 66.26 66.79 66.84 67.32 67.39 67.85 67.94 68.38 68.41 68.88 68.87 69.32 69.29 69.72 69.72 70.06 70.14 70.34 70.56 70.57 70.77 70.75 70.98 70.87 71.18 70.94 71.15 70.95 -2.71 70.94 70.81 70.88 70.82 70.81 70.67 70.44 70.47 70.21 70.11 70.21 69.78 69.90 69.35 69.53 68.92 69.11 68.42 68.64 67.92 68.11 67.33 67.56 66.74 67.00 66.12 66.45 65.49 65.89 64.98 65.34 64.46 64.78 63.94 64.23 63.43 63.68 62.86 63.17 62.59 62.67 61.63 62.21 61.35 61.76 60.90 61.35 60.46		
ALINEAMIENTO	CN-21		
DIAGRAMA DE PERALTES	CN 2 1 P=3% L=6.3m		
DRENAJE	CR = 350m		
OBRAS DE ARTE	L=12.58m		
KILOMETRAJE	0+260	0+300	0+400

LEYENDA

- EJE
- BORDE DE VÍA (EXISTENTE)
- BORDE DE CASA
- CERCO
- BORDILLO
- CURVA NIVEL MADRE
- CURVA NIVEL SIMPLE
- POSTE ENERGIA, MADERA
- BM
- ALCANTARILLA
- PUENTE
- CANAL
- ACCESO
- LIMT. PROPIEDAD

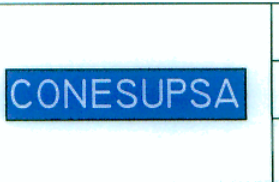
PERFIL:

- PERFIL DE TERRENO EJE PROYECTADO
- PERFIL RASANTE EJE PROYECTADO
- CC = 120m → CUNETA DE TIERRA
- CR = 120m → CUNETA REVESTIDA
- ZD = 120m → ZANJA DE DRENAJE

[Signature]
Ing. FELIX RAÚL CHIRITO SIPÁN
Especialista en Topografía Teórica y Oficina de
CIP N° 53117

[Signature]
Ing. Jorge Pedersen Castellanos
Jefe de Estudio
CIP 6882

NOTA :
ESCALA MOSTRADA PARA EL FORMATO A1
PARA EL FORMATO A3 CONSIDERAR EL DOBLE



Diseñó: ING. RAUL CHIRITO
Verificó: ING. J. PEÑARANDA C.
Dibujó: E. SANCHEZ Q.

Aprobó:

N°	FECHA	DESCRIPCION

ESTUDIO DEFINITIVO DE LA CARRETERA: CAMANA - DESVIO QUILCA - MATARANI - ILO - TACNA, TRAMO: DESVIO QUILCA - MATARANI
CONTRATO N°233-2008-MTC/20

PLANTA Y PERFIL
KM 0+260 - KM 1+000

ESCALA : INDICADA
FECHA: SETIEMBRE-2011
DV-PP-001-R-01A