

ÍNDICE DE PLANOS

TOMO IV

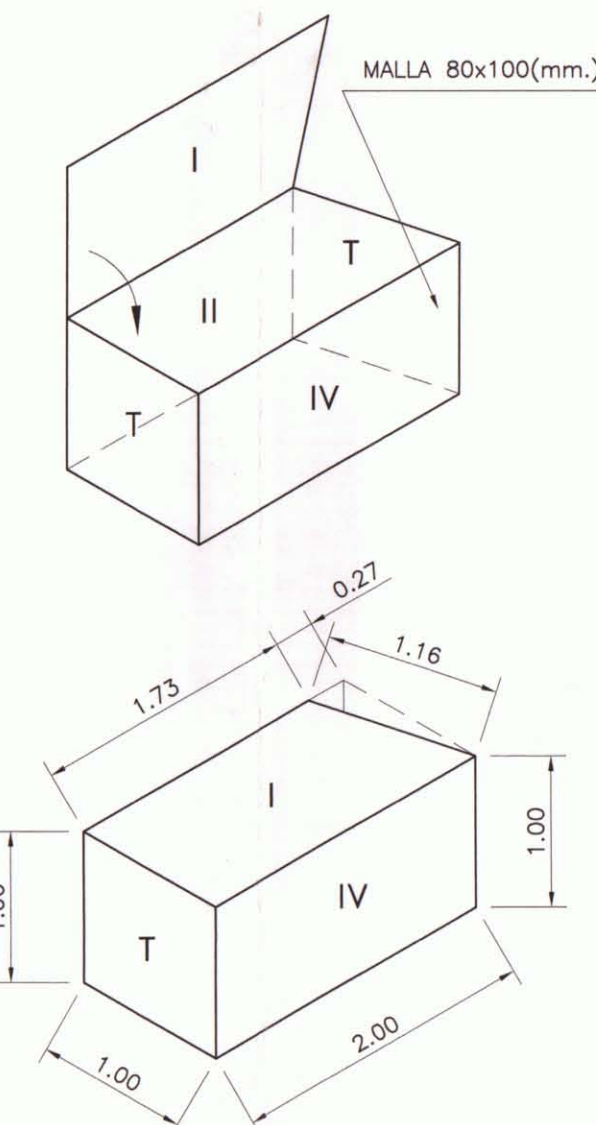
Nº	Título
SECTOR 2	
	Proyecto de Mejoramiento Unificación Panteón
028-1/2	Unificación Panteón. Obra de Captación. Plantas y Detalles
028-2/2	Unificación Panteón. Obra de Captación. Secciones
029-1/6	Unificación Panteón. Canal Panteón. Planta y Perfil Longitudinal
029-2/6	Unificación Panteón. Canal Panteón. Planta y Perfil Longitudinal
029-3/6	Unificación Panteón. Canal Panteón. Planta y Perfil Longitudinal
029-4/6	Unificación Panteón. Canal Panteón. Planta y Perfil Longitudinal
029-5/6	Unificación Panteón. Canal Panteón. Planta y Perfil Longitudinal
029-6/6	Unificación Panteón. Canal Panteón. Planta, Perfil Longitudinal y Detalles
030-1/1	Unificación Panteón. Obra de Distribución. Plantas, Detalles y Perfil Longitudinal
031-1/3	Unificación Panteón. Cruce de Quebradas. Plantas y Detalles
031-2/3	Unificación Panteón. Cruce de Quebradas. Plantas y Detalles
031-3/3	Unificación Panteón. Cruce de Quebradas. Plantas y Detalles
	Proyecto de Mejoramiento Unificación La Partera
032-1/2	Unificación La Partera. Obra de Captación. Planta y Detalles
032-1/2	Unificación La Partera. Obra de Captación. Planta y Detalles
033-1/6	Unificación La Partera. Canal La Partera. Planta y Perfil Longitudinal
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033-4/6	Unificación La Partera. Canal La Partera. Planta y Perfil Longitudinal
033-5/6	Unificación La Partera. Canal Los Perales. Planta y Perfil Longitudinal
033-6/6	Unificación La Partera. Canal Los Leones. Planta, Perfil Longitudinal y Detalles
034-1/2	Unificación La Partera. Obra de Distribución. Plantas, Detalles y Perfil Longitudinal
034-2/2	Unificación La Partera. Obra de Distribución. Plantas, Detalles y Perfil Longitudinal
035-1/1	Unificación La Partera. Canal Los Perales. Cruce de Quebradas. Plantas y Detalles

PLANTA
ESC. 1:200

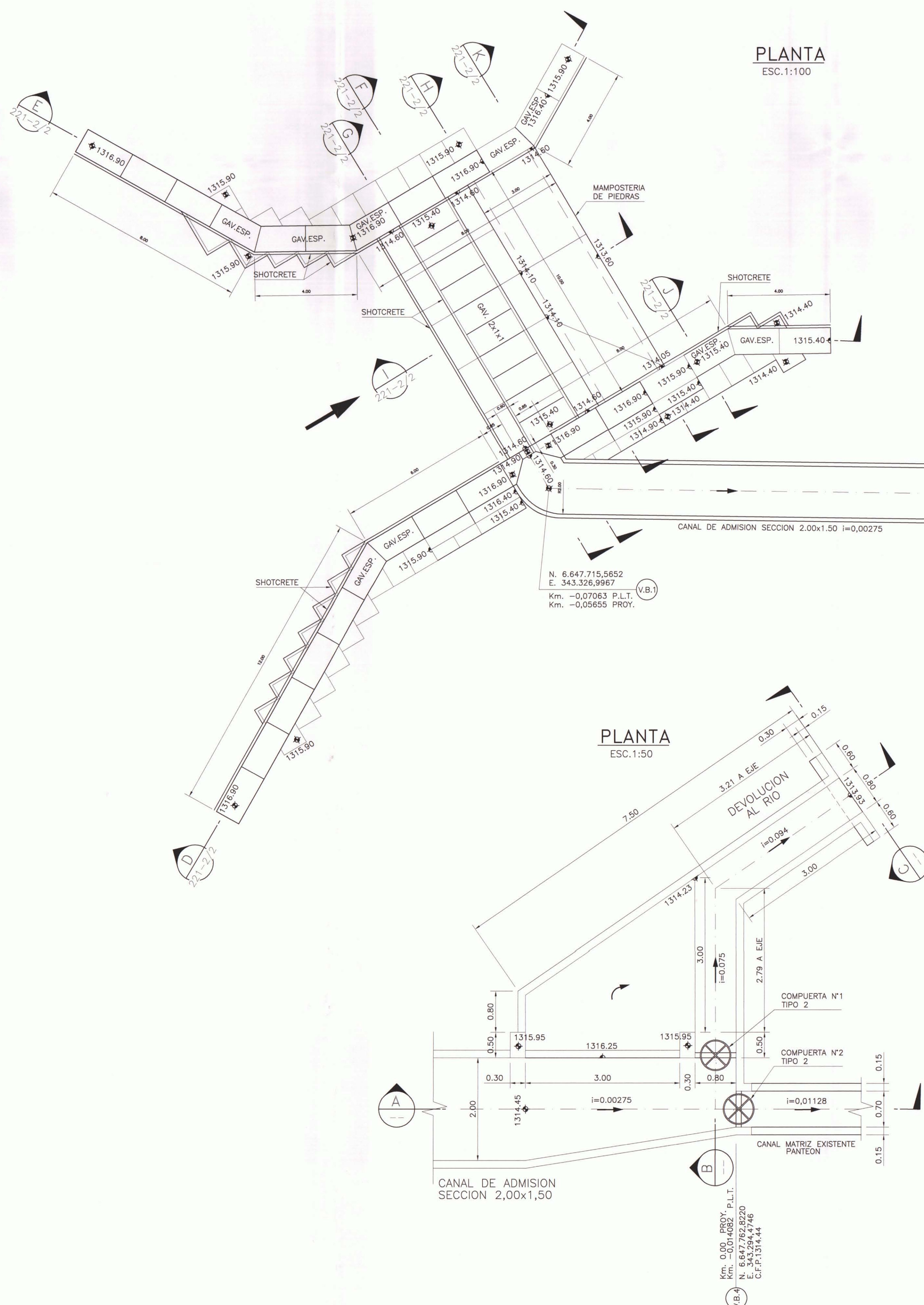
The drawing shows a plan view of a water distribution system. Key features include:

- RIO HURTADO**: The main water source at the top right.
- Bocatoma**: A dam or weir structure on the left side.
- OBRAS EXISTENTES**: Existing structures, including a bridge over the river and various canals.
- OBRAS DE ADMISION**: Admission works, including a gate structure near the river mouth.
- DEVOLUCION AL RIO**: Return to the river, indicated by a circular area with arrows pointing back to the river.
- CALICATA N° 1**: A measurement point or structure near the admission works.
- EJE CANAL ADMISION PROYECTADO**: The proposed canal alignment.
- CANAL DE ADMISION SECCION 2.00x1.50 I=0.00275**: Specific canal section details.
- CANAL MADRE EXISTENTE SECCION 0.70x0.50 I=0.01128**: Details of the existing mother canal.
- AFORADOR**: A flow measuring device or structure.
- COMPUERTA CANAL EXIST.**: An existing canal gate.
- COMPUERTA DESV. PROY.**: A proposed diversion gate.
- Km. 0.000**: A distance marker along the canal route.
- PR-1**: A specific project reference point.
- V.B. 2**, **V.B. 3**: Vertical benchmark points.
- N. 6647729.0958 E. 343.317.4541**: Coordinates for a specific point.
- N. 6647.753.3301 E. 343.298.3101**: Another set of coordinates.
- N. 6647.715.5652 E. 343.326.9967**: A third set of coordinates.
- N. 6647.710 E. 343.324**: Further coordinate data.
- N. 6647.710 E. 343.324**: Additional coordinate information.
- N. 6647.710 E. 343.324**: More coordinate data.
- N. 6647.710 E. 343.324**: Final coordinate entry.

ESC. 1:50



ESC 1:100



PRE	NORTE	ESTE	COTA (m)
01	6647787.03	343299.76	1337.84

PR	NORTE	ESTE	COTA (m)
01	6647725.83	343316.34	1316.12

ACCION DE
BARRERA

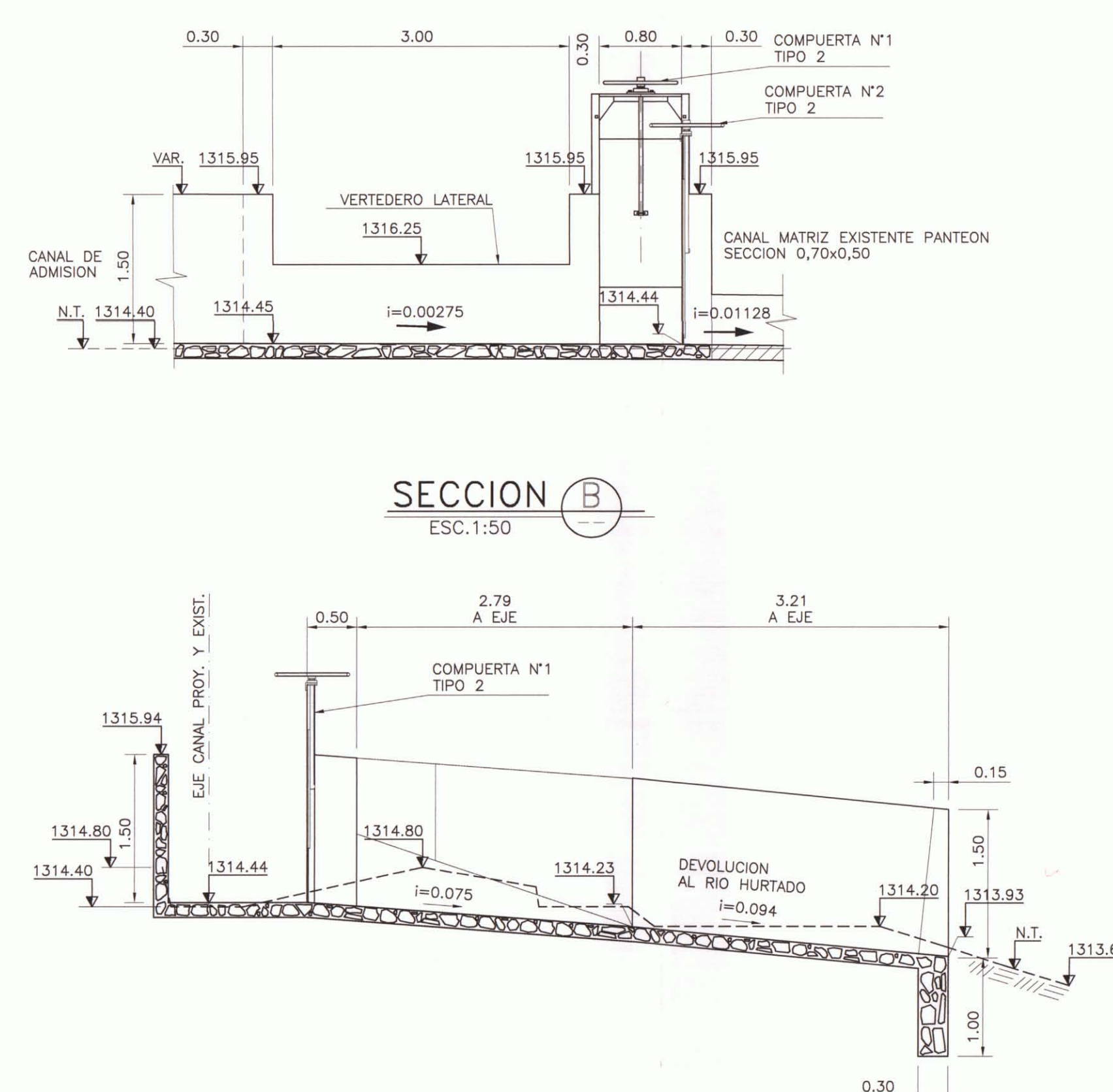
DIMENSIONES GAVIONES	CANTIDAD
2x1x1	65
2x1x0,50	32
ESPECIAL (VER DETALLE)	12

CUADRO DE DIMENSION
COMPUERTAS TIPO 2

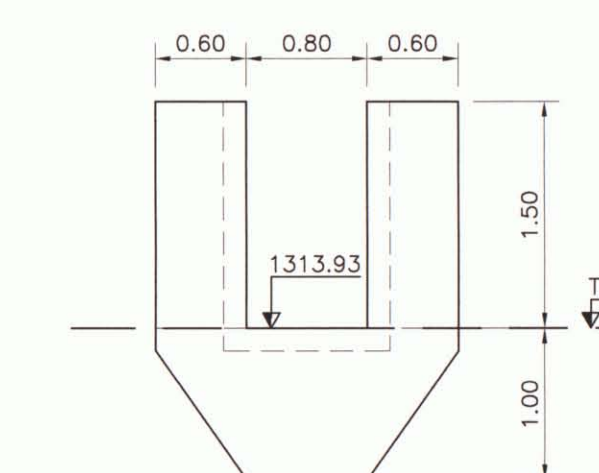
N° COMPUERTA	ANCHO CANAL (m)	A (m)	B (m)	C (m)	D (m)	E (m)	F (m)
1	0,8	0,8	1,62	1,8	0,45	0,45	0,47
2	0,7	0,7	1,62	1,8	0,45	0,45	0,47

PLANTA

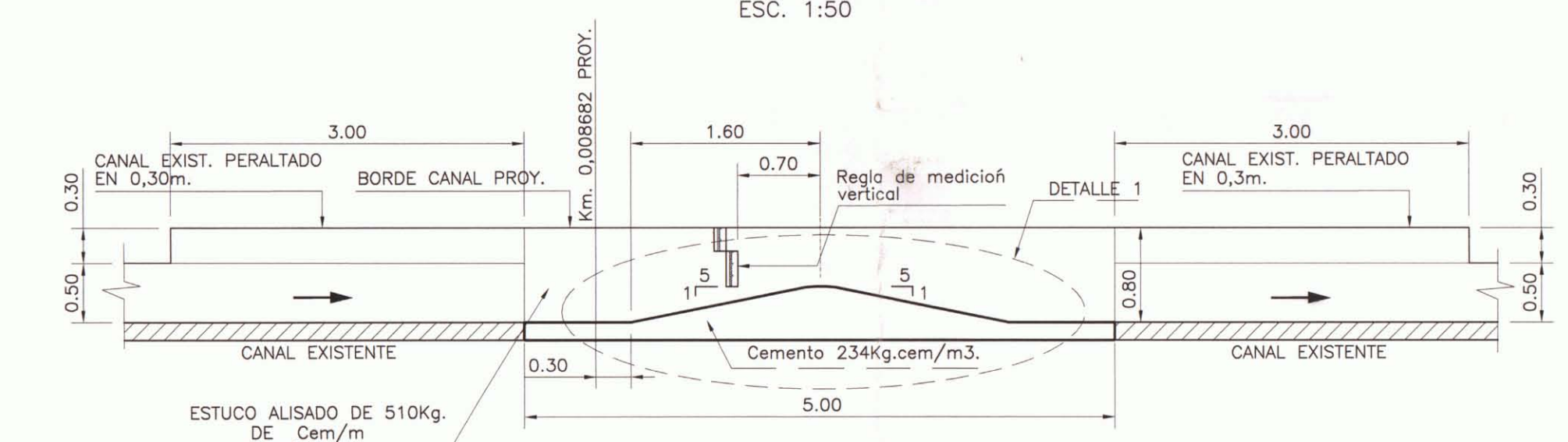
SECCIO



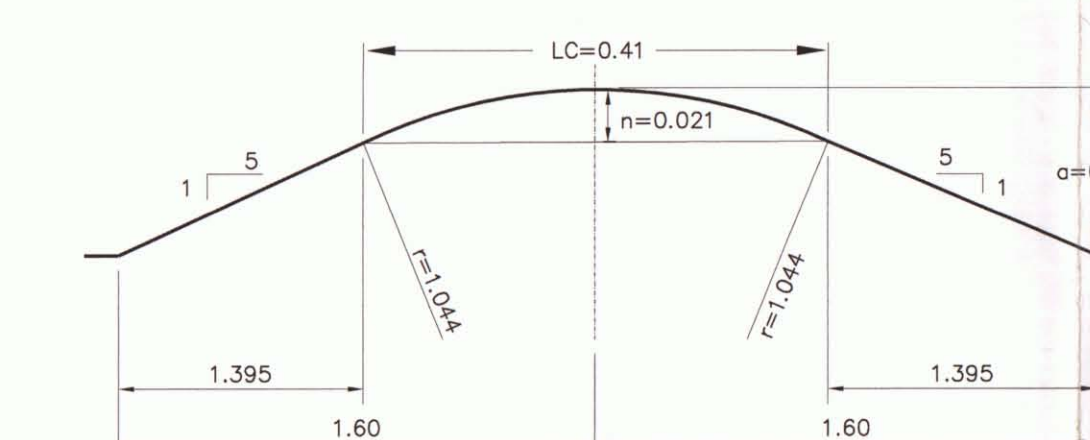
SECTION (C)



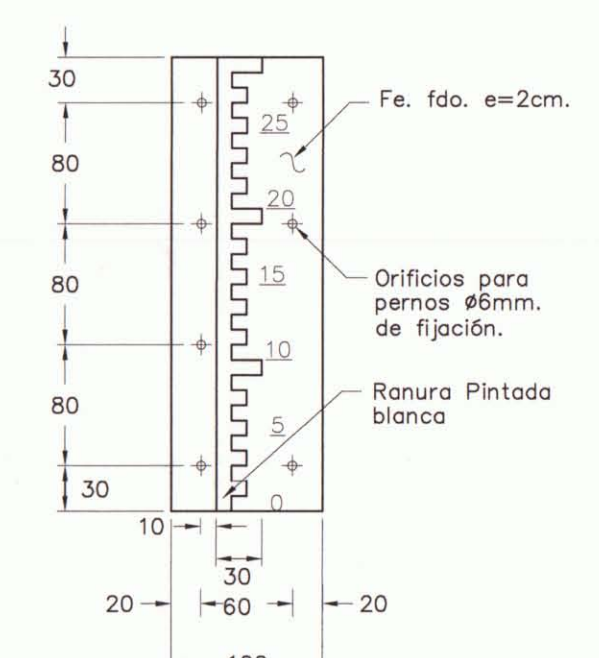
CORTE LONGITUDINAL



SIN ESCALA



ESC 1.50



- TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS
- PARA VER DETALLES DE COMPUERTAS VER PLANO N°002-1/1

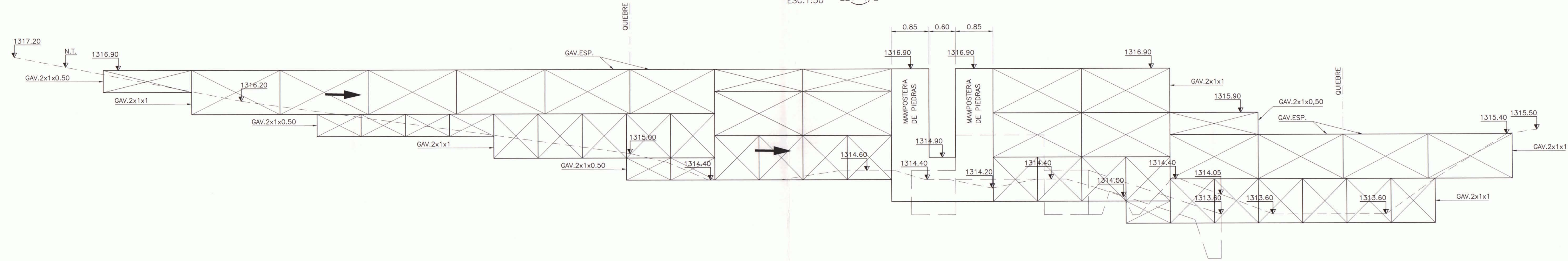
ÍNDICE DE PLANOS

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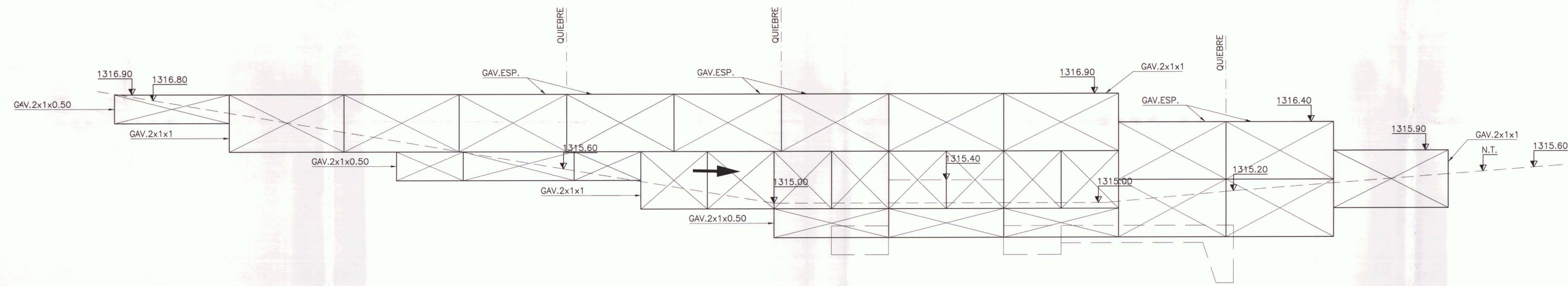
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UNIFICACION PANTEON-CANAL PANTEON

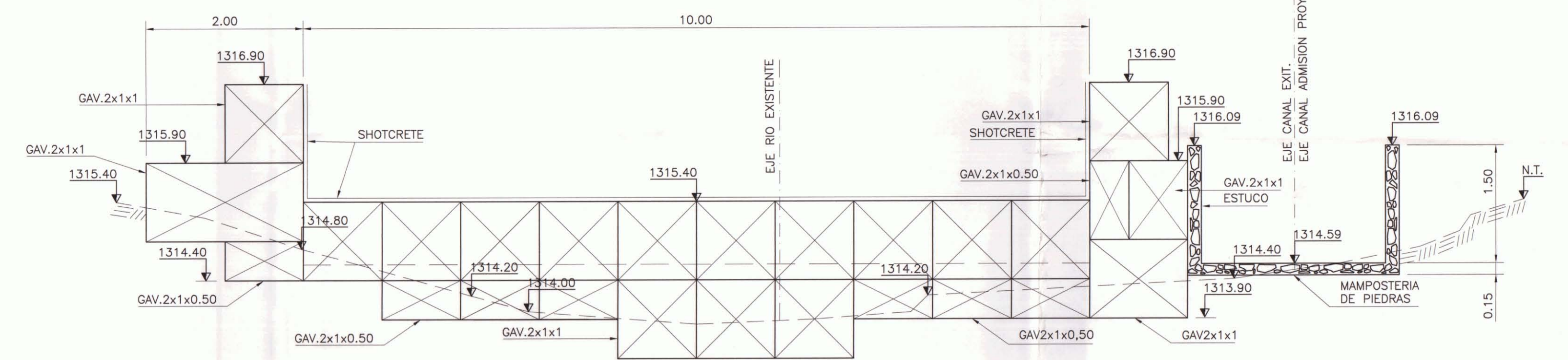
SECCION D
ESC. 1:50 221-1/2



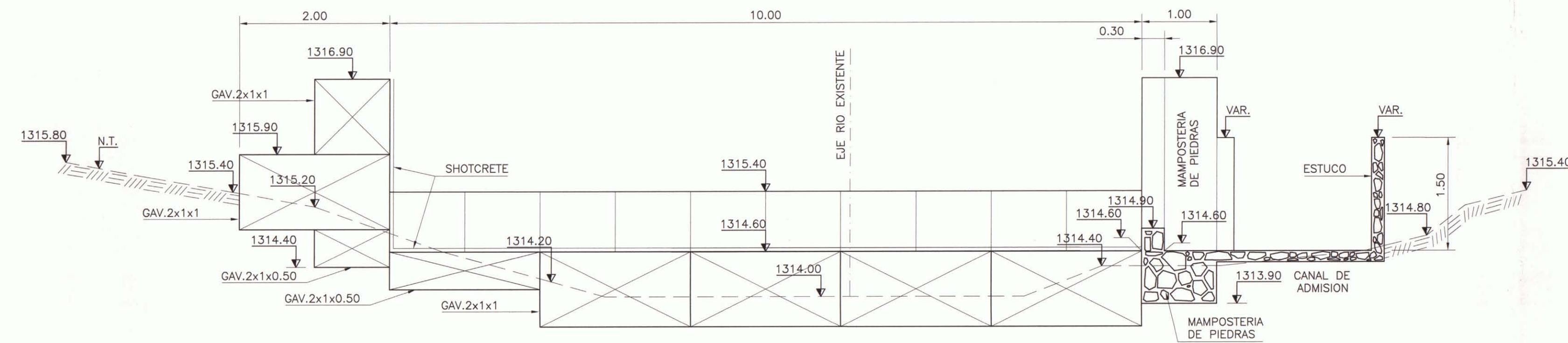
SECCION E
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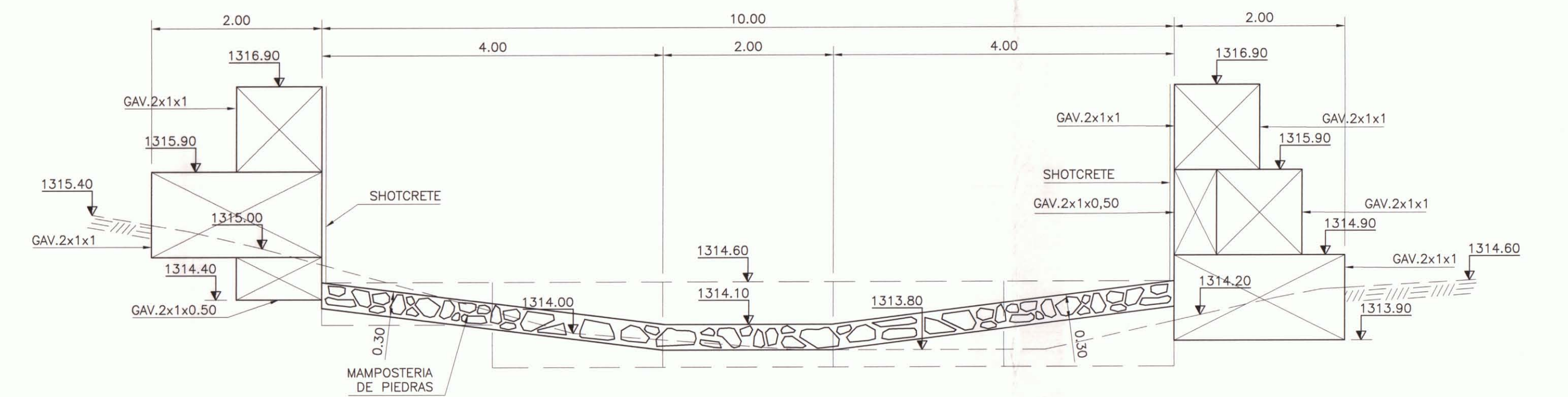
SECCION F
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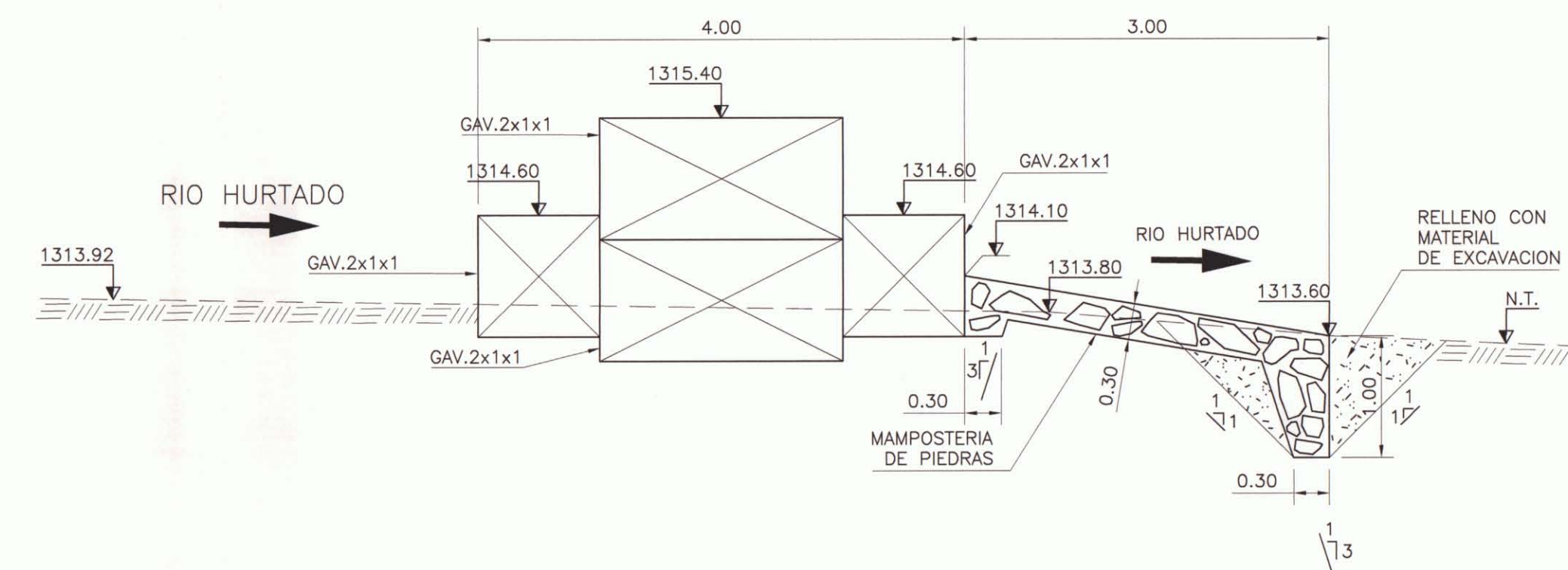
SECCION G
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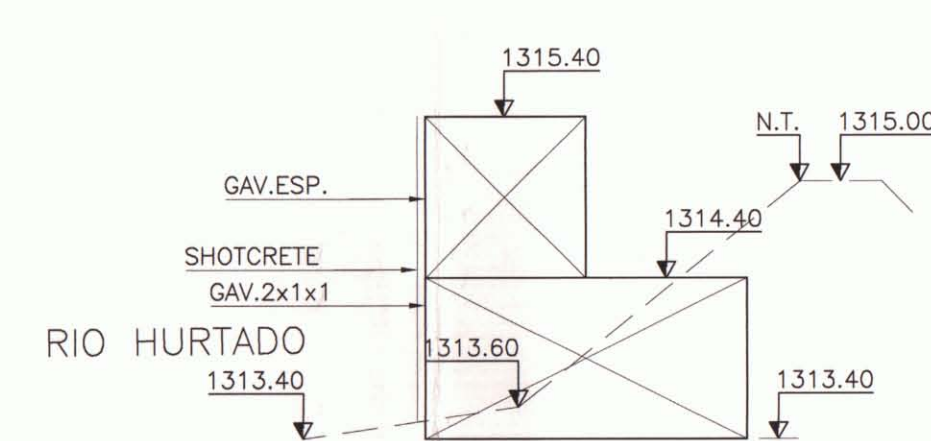
SECCION H
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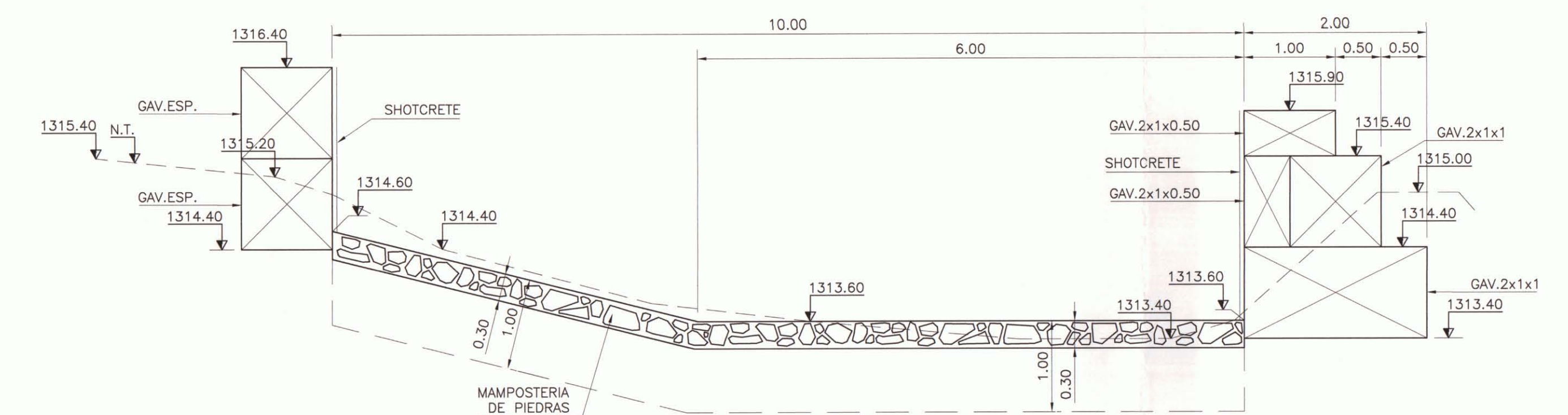
SECCION I
ESC. 1:50 221-1/2



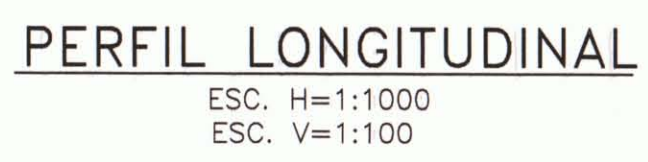
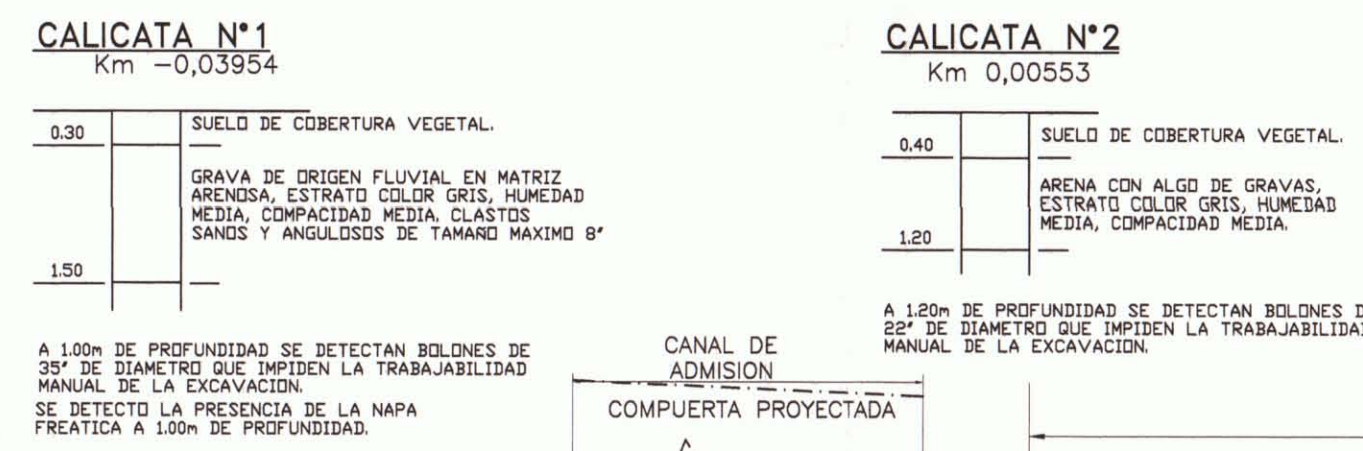
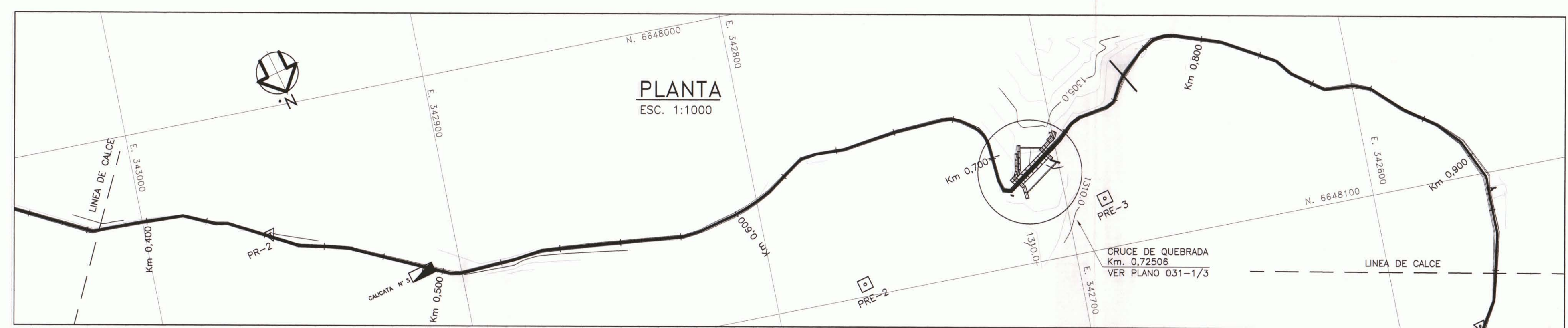
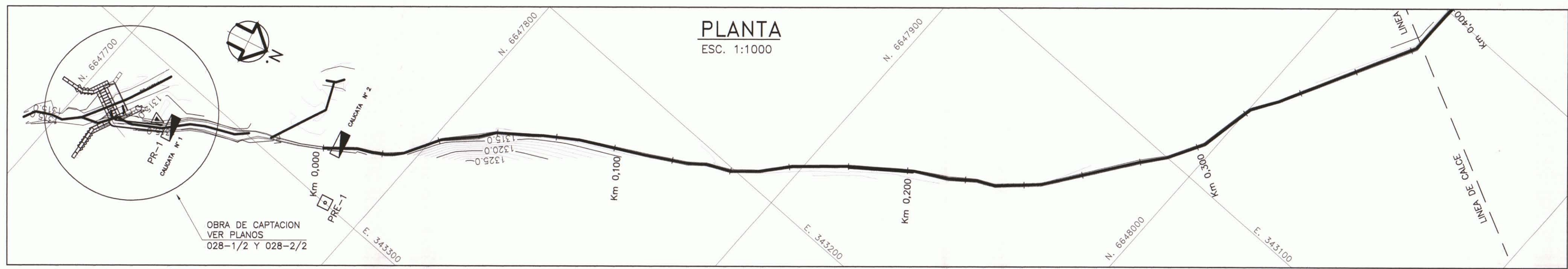
SECCION J
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SECCION K
ESC. 1:50 221-1/2



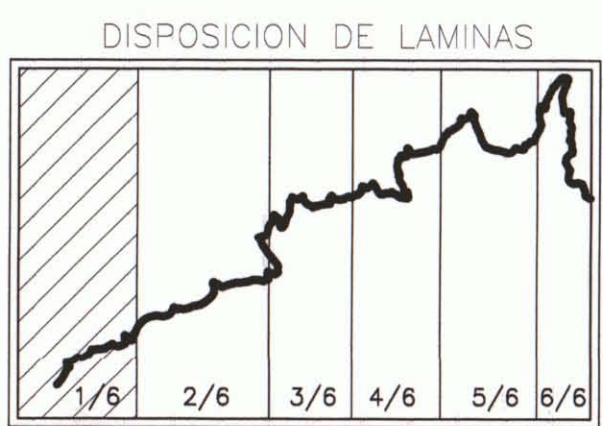
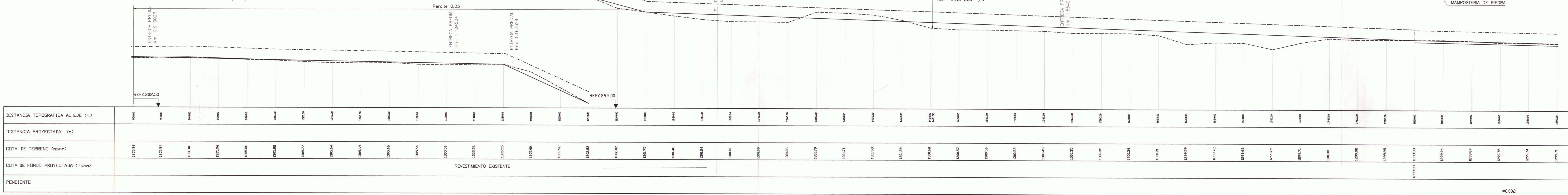
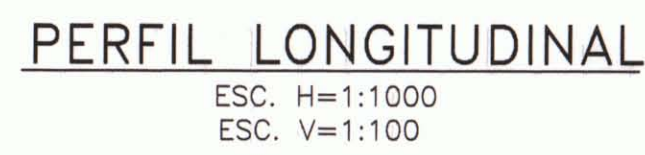
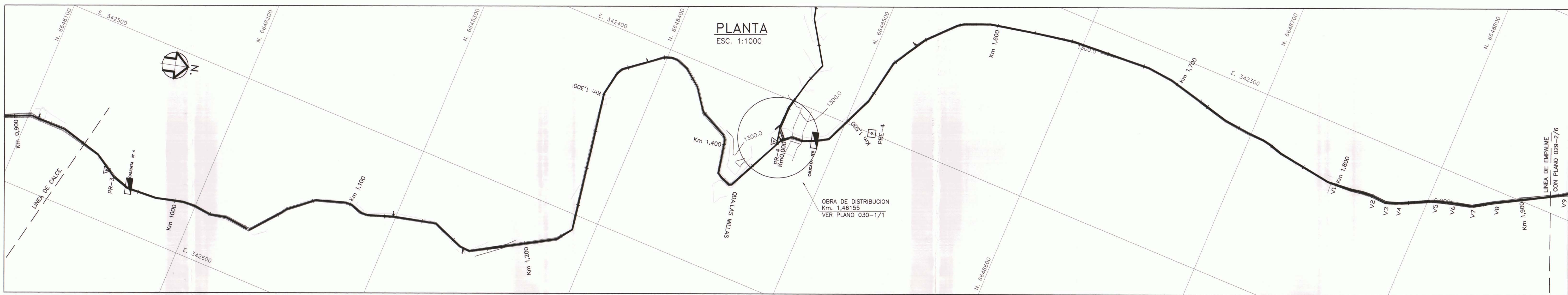
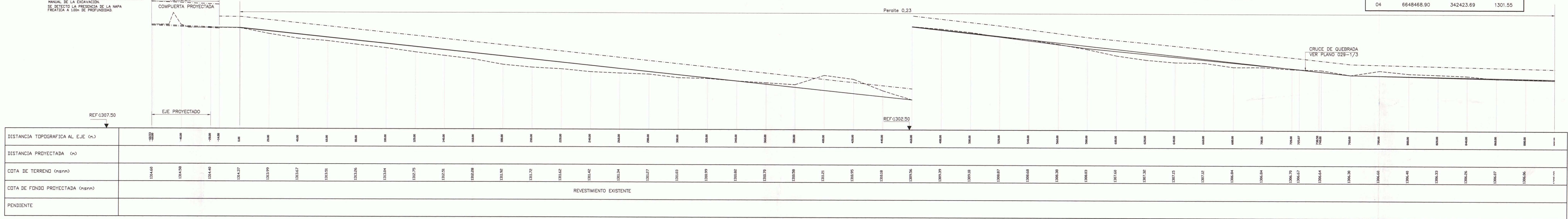
UNIFICACION PANTEON – CANAL PANTEON

CUADRO COORDENADAS DE PRE

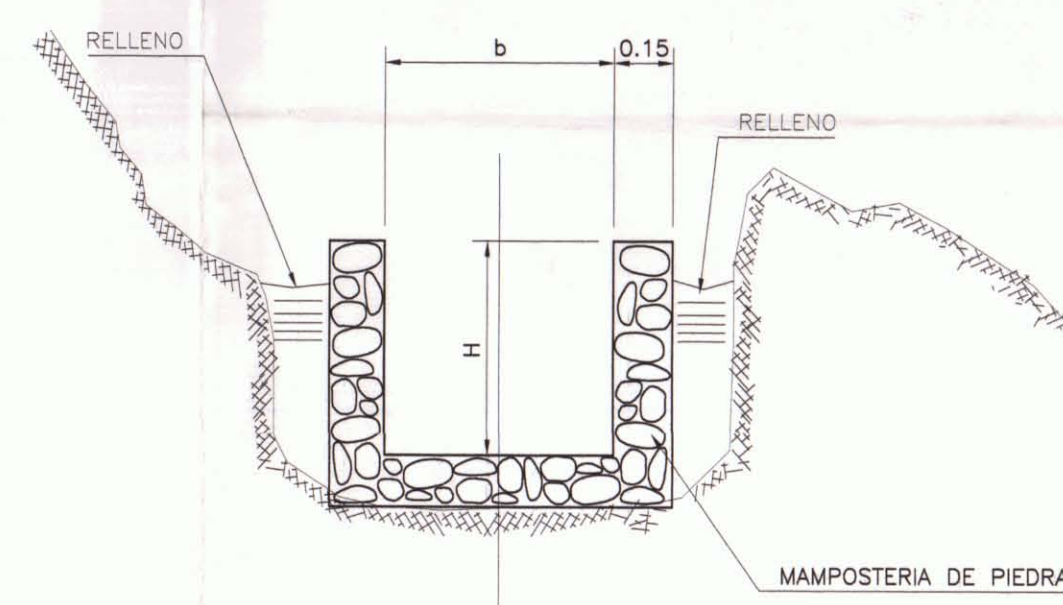
PRE	NORTE (m)	ESTE (m)	COTA (m.s.n.m.)
01	6647787.03	343299.76	1337.84
02	6648095.95	342770.24	1320.01
03	6648084.24	342686.95	1310.19
04	6648514.96	342399.83	1310.27

CUADRO COORDENADAS DE PR

NORTE	ESTE	COT.
6647725.83	343316.34	131
6648041.26	342959.60	131
6648149.18	342573.93	130
6648468.90	342423.69	130



SIMBOLOGIA	
CURVA INDICE 250	CERCOS
CURVA INTERMEDIA	CAM. PAVIMENTADO
CAM. TIERRA	RIOS-ESTEROS
VERTICE CANAL PROJ. VO	COTA FONDO PROJ. C.F.P.
EJE PROYECTO	PROYECTO
TERRENO	BORDE CANAL



CUADRO DE DIMENSIONES
ENTREGAS PREDIALES

Km.	DIMENSIONES(m)					COTAS FONDO	
	CANAL (m.)		DIAMETRO ENTREGA (mm.)	GRADA (m.)		EXIST.	PROY.
	B	H		α	I		
0.9130229	0.75	0.70	75	0.10	1.20	1305.96	
1.1245241	0.75	0.70	75	0.10	1.20	1305.52	
1.1673249	0.75	0.70	75	-	-	1309.35	
1.3107449	1.00	0.85	75	0.10	1.20	1301.17	
1.4633085	1.00	0.85	75	0.10	1.20	1300.66	
1.5540468	1.00	0.85	75	0.10	1.20	1300.40	

CUADRO DE DESARROLLO DE CURVAS Y VERTICES

VERTICE	COORDENADAS (UBICACION)		DATOS DE LA LINEA					INICIO		FIN	
N°	ESTACION	VERTE	VERTICE	ANGULO	RADIO	TANGENTE	DESARROLLO	CHANCE	CHANCE	CHANCE	CHANCE
	(m)	(m)	(m)	(°)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
1	342330,231	6844746,109	0	11,09	0,0	0,00	0,00	0,00	22,9	22,9	0,0
2	342322,990	6844763,383	22,88	11,09	2,5	0,54	1,05	30,4	30,4	22,88	0,0
3	342322,666	6844775,343	35,97	-25,85	2,5	0,54	1,05	30,4	30,4	22,88	0,0
4	342322,666	6844803,195	67,1	-7,44	0,0	0,00	0,00	0,00	0,00	0,00	0,0
5	342317,928	6844803,195	58,55	10,86	2,5	0,21	0,42	56,3	56,3	58,55	0,0
6	342317,928	6844811,260	85,05	4,13	0,0	0,00	0,00	0,00	65,6	65,6	0,0
7	342317,928	6844802,337	78,62	-25,77	2,5	0,41	0,81	76,2	76,2	78,62	0,0
8	342280,684	6844832,320	124,34	-7,10	0,0	0,00	0,00	0,00	124,34	124,34	0,0
9	342280,684	6844863,340	124,34	-6,97	0,0	0,00	0,00	0,00	124,34	124,34	0,0

CUADRO DE SECCIONES

TRAMO (km)		SECCIÓN		OBS.
		b (m)	H (m)	
-0,061	-0,014	2,00	1,50	Revestimiento de hormigón existente Canal Peralado en 0,023 m.
-0,061	1,310	0,70	0,75	
-0,061	1,800	1,00	0,65	
-0,061	2,580	0,80	0,70	

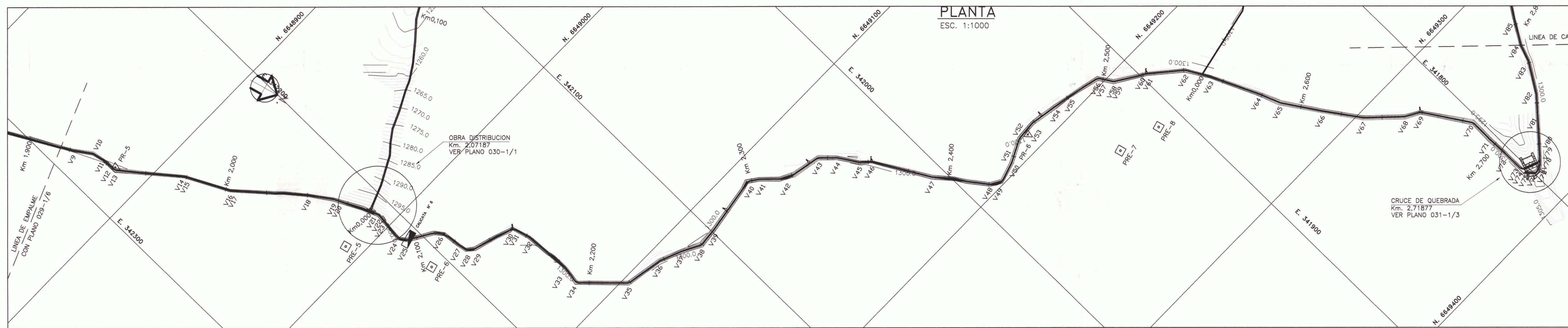
SECCION TIPO
S/E

 $I=0.002$

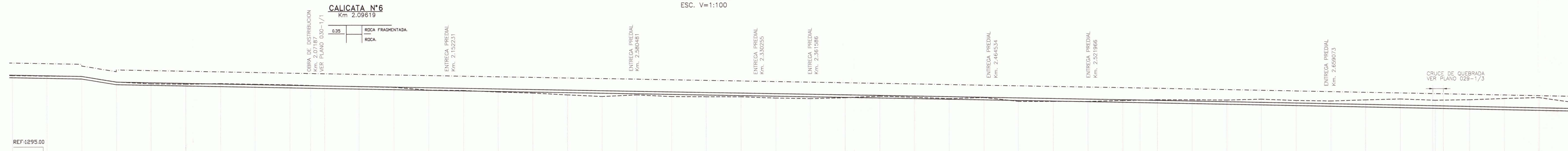
NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS
- PARA VER DETALLES ENTREGAS PREDIALES VER PLANO N° 029-6/6

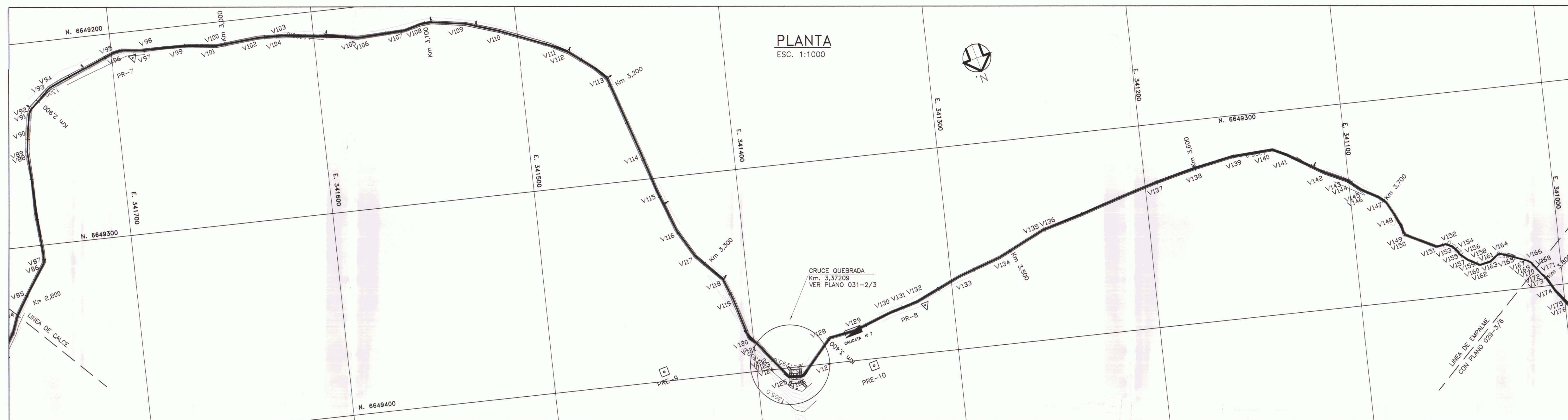
UNIFICACION PANTEON – CANAL PANTEON



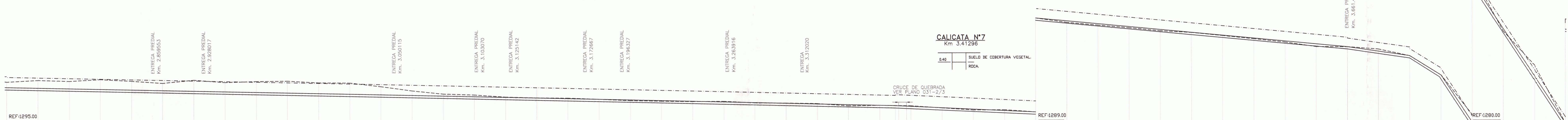
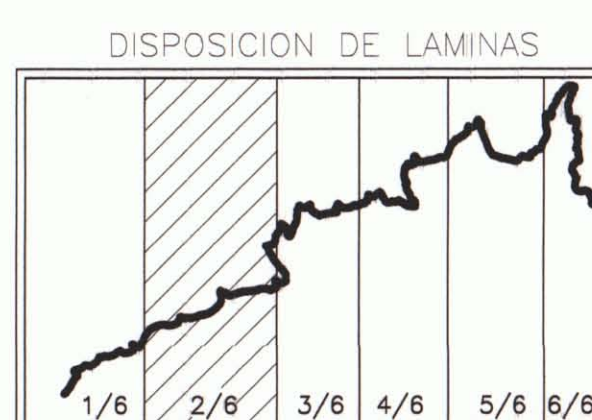
PERFIL LONGITUDINAL



DISTANCIA TOPOGRAFICA AL EJE (m)	790.20	790.40	790.60	790.80	791.00	791.20	791.40	791.60	791.80	792.00	792.20	792.40	792.60	792.80	793.00	793.20	793.40	793.60	793.80	794.00	794.20	794.40	794.60	794.80	795.00	795.20	795.40	795.60	795.80	796.00	796.20	796.40	796.60	796.80	797.00	797.20	797.40	797.60	797.80	798.00	798.20	798.40	798.60	798.80	799.00	799.20	799.40	799.60	799.80	800.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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PERFIL LONGITUDINAL

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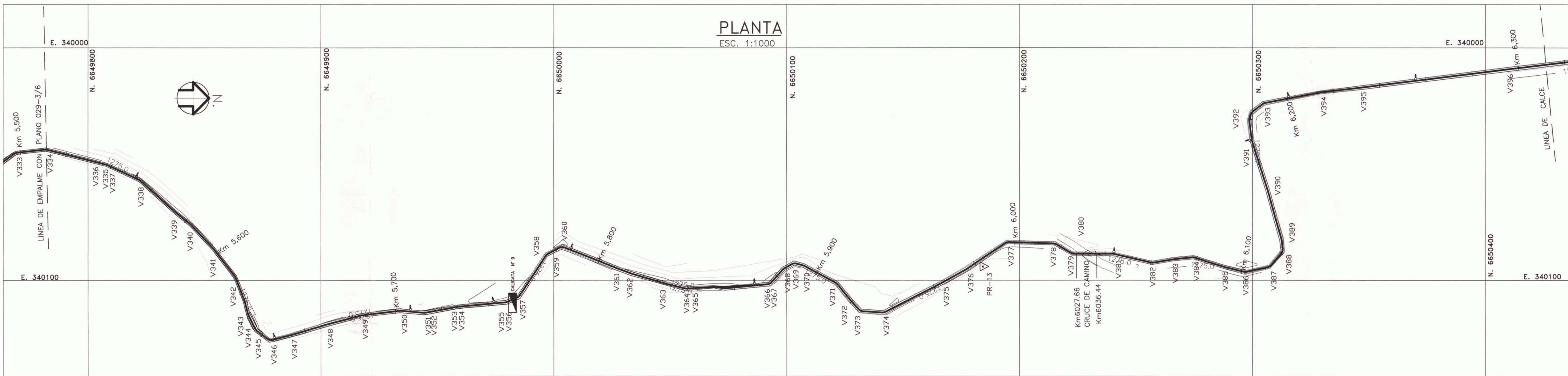
SIMBOLOGIA	
CURVA INDICE <u>250</u>	CERCOS 
CURVA INTERMEDIA 	CAM. PAVIMENTADO 
CAM. TIERRA 	RIOS-ESTEROS 
VERTICE CANAL PROJ. VO	COTA FONDO PROJ. C.F.P.
EJE PROYECTO 	PROYECTO 
TERRENO 	BORDE CANAL 

NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS
- PARA VER DETALLES ENTREGAS PREDIALES VER PLANO N° 029-6/E

 GOBIERNO DE CHILE MINISTERIO DE AGRICULTURA COMISIÓN NACIONAL DE RIEGO	Nombre Estudio		Título Plano	
	Estudio de Prefactibilidad Mejoramiento del Sistema de Riego del Río Hurtado IV Región de Coquimbo		UNIFICACIÓN PANTEÓN CANAL PANTEÓN PLANTA Y PERFIL LONGITUDINAL	
CONSULTOR	Escala	Proyección Cartográfica	Fecha	Lámina:
GCF Ingenieros Ltda.	Indicadas	UTM (Universal Transversal de mercator) Huso 19 Sur Datum PSAD 1956	FEBRERO 2010	029-2/6

UNIFICACION PANTEON – CANAL PANTEON



CUADRO DE DIMENSIONES

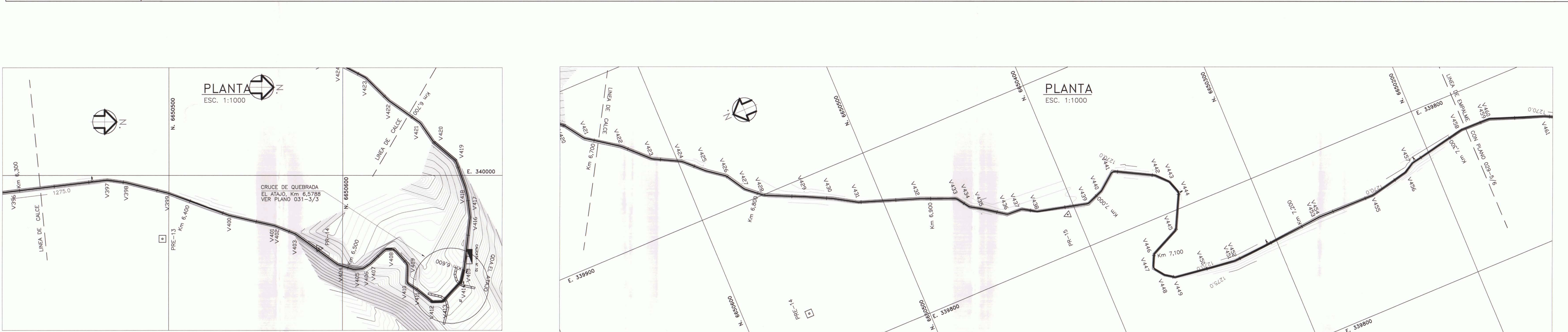
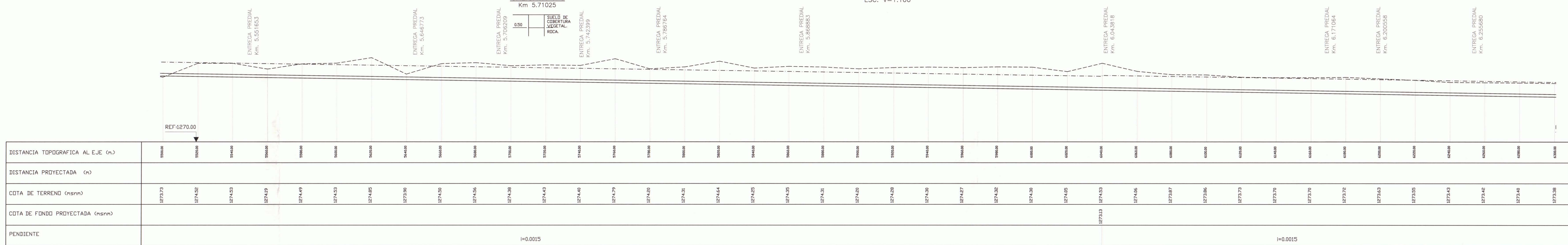
ENTREGAS PREDIALES

Km.	DIMENSIONES(m)		DIAMETRO ENTRADA (mm.)	GRADA (m.)		COTAS FONDO
	B	H		a	i	EXIST. PROY.
5,5516532	1.10	1.10	75	0.20	1.00	1273.87
5,6487735	1.10	1.10	75	0.20	1.00	1273.72
5,7062096	1.10	1.10	75	0.20	1.00	1273.53
5,7423996	1.10	1.10	75	0.20	1.00	1273.58
5,7867637	1.10	1.10	75	0.20	1.00	1273.51
5,8688926	0.70	0.70	75	0.20	1.00	1273.89
6,0438180	0.75	0.75	75	0.20	1.00	1273.12
6,1710530	0.75	0.75	75	0.20	1.00	1273.91
6,2005882	0.70	0.70	75	0.20	1.00	1272.89
6,2558803	0.70	0.70	75	0.20	1.00	1272.81
6,3425462	0.70	0.70	75	0.20	1.00	1272.88
7,0585834	0.80	0.75	75	0.25	1.00	1270.93
7,1781198	0.80	0.75	75	0.25	1.00	1270.57
7,2763394	0.80	0.75	75	0.25	1.00	1270.28

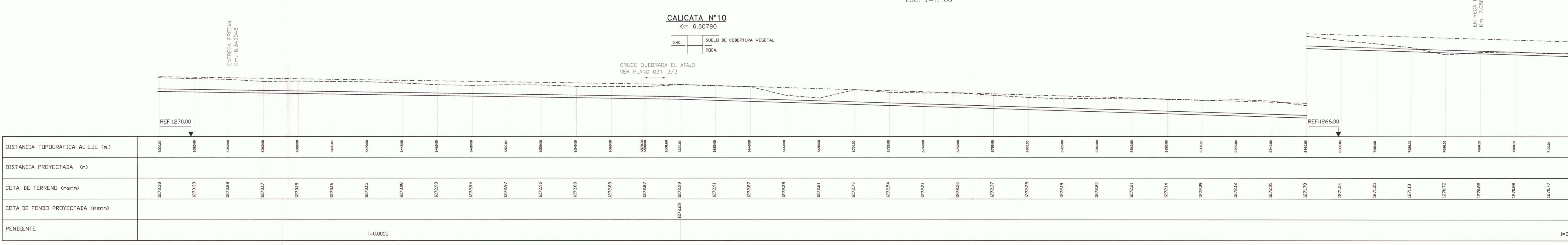
CUADRO DE SECCIONES

TRAMO	SECCION		OBS.
	5.298 - 5.351	B(m) H(m)	
5.298 - 5.351	1.10	0.80	
5.351 - 5.868	1.10	1.10	
5.868 - 6.043	0.75	0.70	
6.043 - 6.200	0.75	0.70	
6.200 - 7.058	0.75	0.75	
7.058 - 7.483	0.80	0.75	
7.483 - 7.640	0.70	0.70	

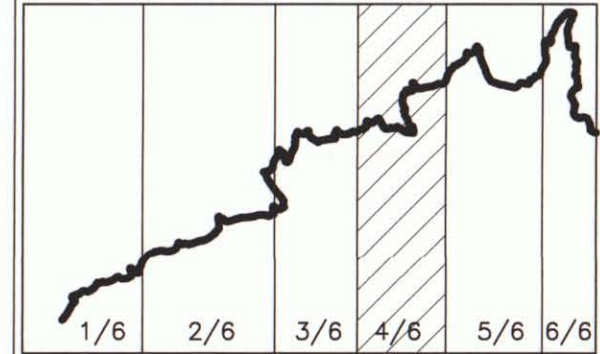
PERFIL LONGITUDINAL

ESC. H=1:1000
ESC. V=1:100

PERFIL LONGITUDINAL

ESC. H=1:1000
ESC. V=1:100

DISPOSICION DE LAMINAS



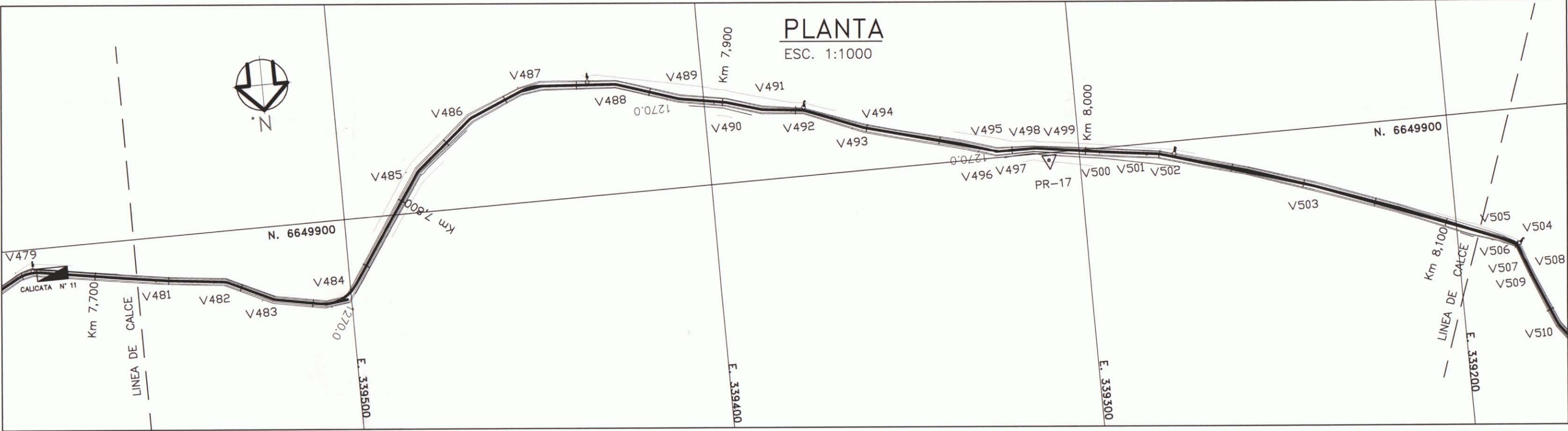
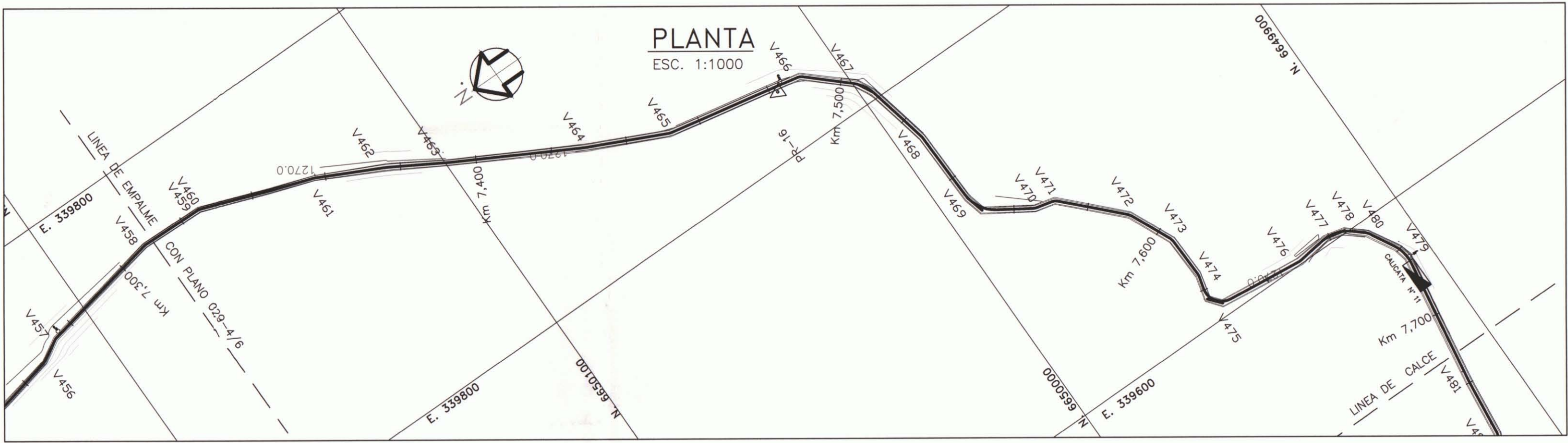
SIMBOLOGIA

CURVA INDICE	250	GERCOS	-----
CURVA INTERMEDIA	CAM. PAINDENTADO	-----	
CAM. TIERRA	RIOS-ESTEROS	-----	
VERTICE CANAL PROY. VO	COTA FONDO PROY. C.F.P.	-----	
EJE PROYECTO	PROYECTO	-----	
TERRENO	BORDE CANAL	-----	

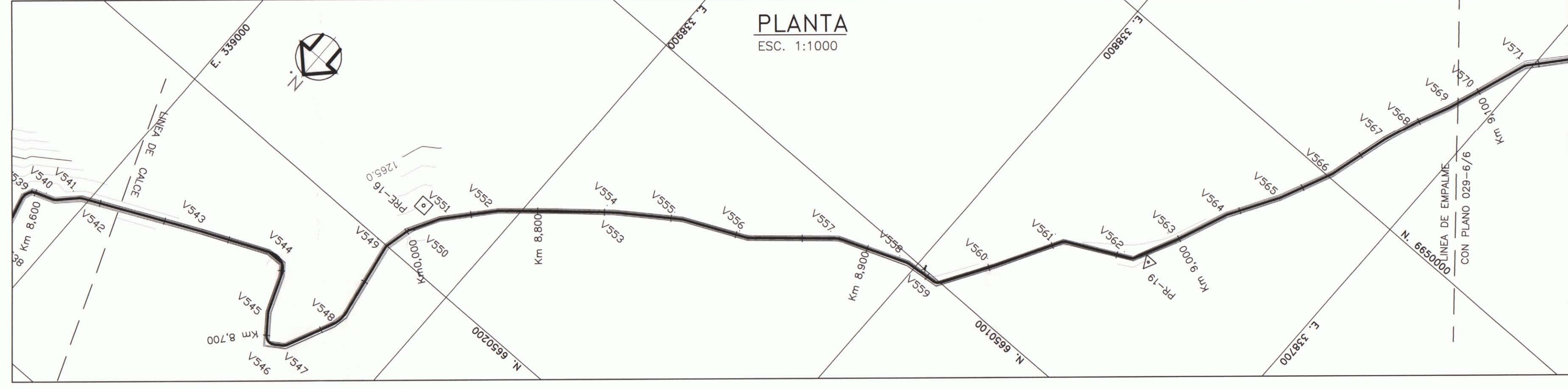
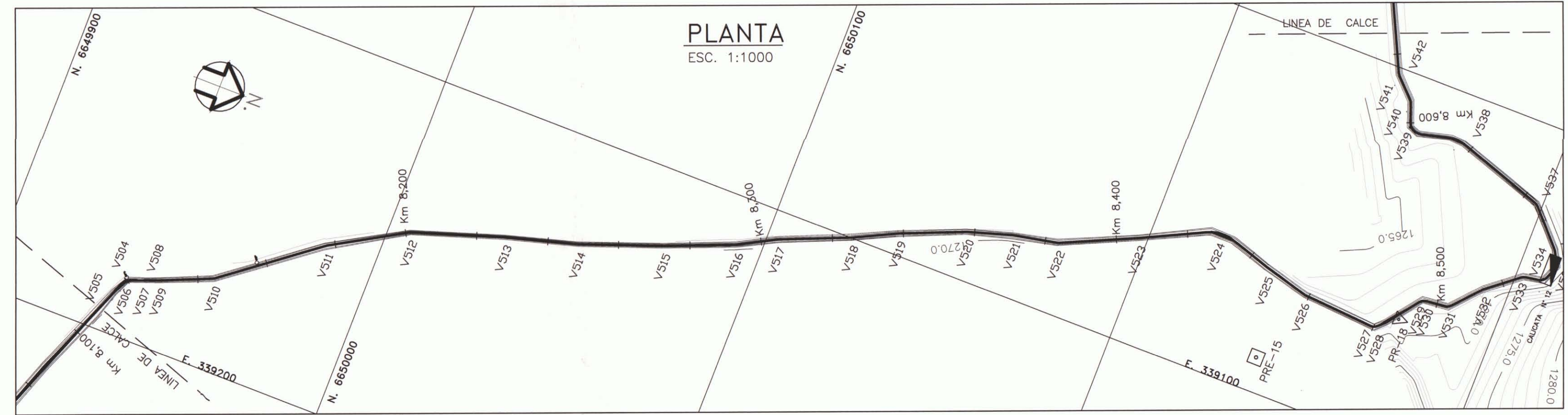
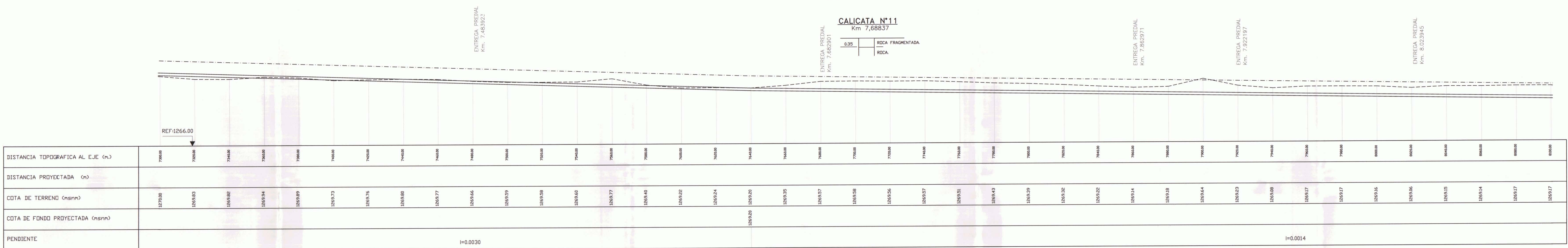
CUADRO DE DESARROLLO DE CURVAS Y VERTICES

VERTICE N°	COORDENADAS		UBICACION	ANGULO	RADIO	TANGENTE	DESARROLLO	INDO	FIN
	ESTE	NORTE							
333	340045.265	66897.783	374.84	33.27	2.5	0.87	1.31	338.82	369.4
334	340043.764	66897.921	3718.06	22.63	2.5	0.46	0.86	337.5	373.8
335	340050.371	66898.062	274.86	-29.02	0.0	0.00	0.00	337.5	373.8
336	340048.497	66898.085	3748.17	20.00	0.0	0.00	0.00	337.5	373.8
337	340050.368	66898.135	274.86	-29.02	0.0	0.00	0.00	337.5	373.8
338	340057.051	66898.272	3767.46	18.84	2.5	0.37	0.74	338.4	374.7
339	340051.178	66898.315	274.86	-29.02	0.0	0.00	0.00	338.4	374.7
340	340057.892	66898.457	3768.21	8.82	2.5	0.17	0.35	338.4	374.7
341	340058.559	66898.514	3825.74	18.36	2.5	0.36	0.72	339.0	379.8
342	340088.428	66898.134	3825.74	18.36	2.5	0.36	0.72	339.0	379.8
343	340114.673	66898.685	3825.74	18.36	2.5	0.36	0.72	340.0	382.0
344	340127.417	66898.224	3825.74	18.36	2.5	0.36	0.72	340.0	382.0
345	340125.861	66898.018	3825.74	-29.42	2.5	0.29	0.58	341.5	388.8
346	340125.861	66898.018	3825.74	-29.42	2.5	0.29	0.58	341.5	388.8
347	340125.861	66898.018	3825.74	-29.42	2.5	0.29	0.58	341.5	388.8
348	340118.982	66898.278	3825.74	18.36	2.5	0.36	0.72	342.0	396.0
349	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	342.0	396.0
350	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	342.0	396.0
351	340118.982	66898.278	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
352	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
353	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
354	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
355	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
356	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
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444	340115.140	66898.185	3825.74	18.36	2.5	0.36	0.72	343.5	391.5
445	340115.140	66898.185	3825.74	18.36					

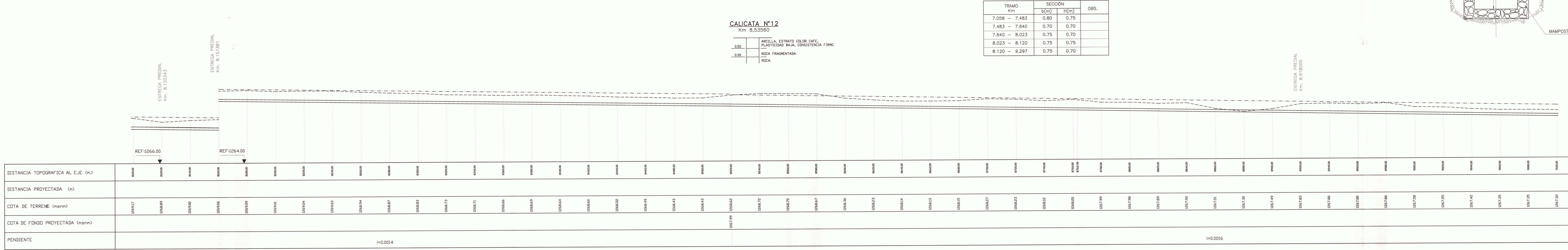
UNIFICACION PANTEON – CANAL PANTEON



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



CUADRO DE DIMENSIONES
ENTREGAS PREDALES

Km.	DIMENSIONES(m)		DIAMETRO ENTREGA (mm.)	GRADA (m.)		COTAS FONDO
	B	H		a	l	
7.4839226	0.70	0.70	75	0.25	1.00	1269.66
7.6829018	0.75	0.70	75	0.20	1.00	1269.14
7.8629710	0.75	0.70	75	0.20	1.00	1268.88
7.9221971	0.75	0.70	75	0.20	1.00	1268.81
8.0238458	0.75	0.75	75	0.20	1.00	1268.67
8.1203430	0.75	0.70	75	0.20	1.00	1268.54
8.1573810	0.75	0.70	75	0.20	1.00	1268.49
8.9180006	0.75	0.70	75	0.15	1.00	1267.34

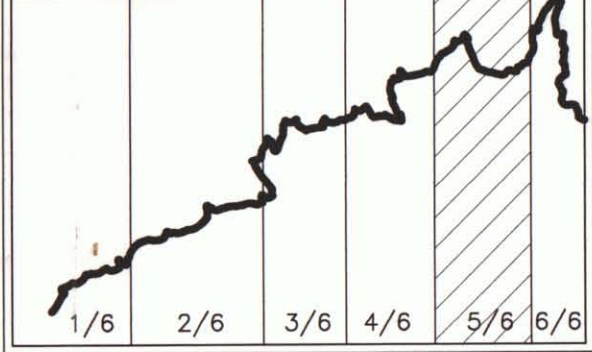
CUADRO COORDENADAS DE PR

PR	NORTE	ESTE	COTA (m.)
16	6650017.36	339716.27	1270.40
17	6649902.01	339308.34	1270.64
18	6650273.99	339066.10	1269.29
19	6650054.57	338748.19	1269.31

CUADRO COORDENADAS DE PRE

PRE	NORTE (m)	ESTE (m)	COTA (m.s.n.m.)
15	6650240.32	339090.44	1283.60
16	6650183.68	338923.18	1267.86

DISPOSICION DE LAMINAS



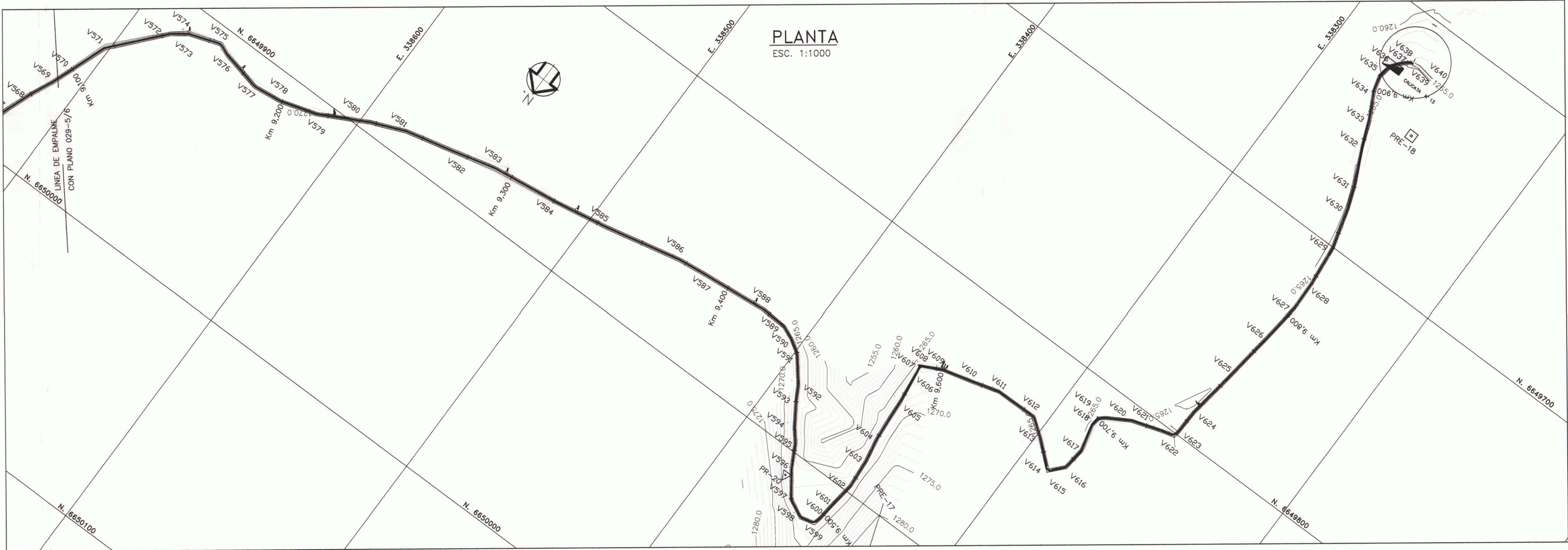
SIMBOLOGIA

CURVA INDOCE	250	CERCCOS	→
CURVA INTERMEDIA	→	CANAL PAVIMENTADO	→
CANAL TIERRA	→	RIOS-ESTEROS	→
VERTICE CANAL PROJ. VO	→	COTA FONDO PROJ. C.F.P.	→
EJE PROYECTO	→	PROYECTO	→
TERRENO	→	BORDE CANAL	→

CUADRO DE DESARROLLO DE CURVAS Y VERTICES

VERTICE	COORDENADAS		UBICACION	ANGULO	RADIO	TANGENTE	DESARROLLO	INDIC	
	N	ESTE						INDIC	FIN
458	33978.982	660197.364	254.68	1.18	2.3	0.38	0.55	0.53	0.53
459	33978.988	660196.394	254.67	21.06	2.3	0.42	0.63	0.54	0.547
460	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
461	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
462	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
463	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
464	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
465	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
466	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
467	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
468	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
469	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
470	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
471	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
472	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
473	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
474	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
475	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
476	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
477	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
478	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
479	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
480	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
481	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
482	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
483	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
484	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
485	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
486	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
487	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
488	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
489	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
490	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
491	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
492	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
493	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
494	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
495	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
496	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
497	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
498	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
499	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
500	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
501	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
502	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
503	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
504	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
505	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
506	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
507	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
508	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
509	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
510	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
511	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
512	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
513	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
514	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
515	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
516	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
517	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
518	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
519	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
520	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
521	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
522	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
523	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
524	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
525	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
526	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
527	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
528	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
529	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
530	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
531	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
532	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
533	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
534	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
535	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
536	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
537	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
538	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
539	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
540	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
541	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
542	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
543	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
544	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
545	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
546	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
547	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
548	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
549	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
550	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
551	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
552	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
553	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
554	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
555	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
556	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
557	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
558	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
559	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
560	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
561	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
562	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
563	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
564	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
565	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
566	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
567	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
568	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
569	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
570	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
571	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
572	33978.994	660196.394	254.68	1.18	2.3	0.42	0.63	0.54	0.547
573	33978.994	660196.394	254.68	1.18	2.3	0.42			

UNIFICACION PANTEON – CANAL PANTEON

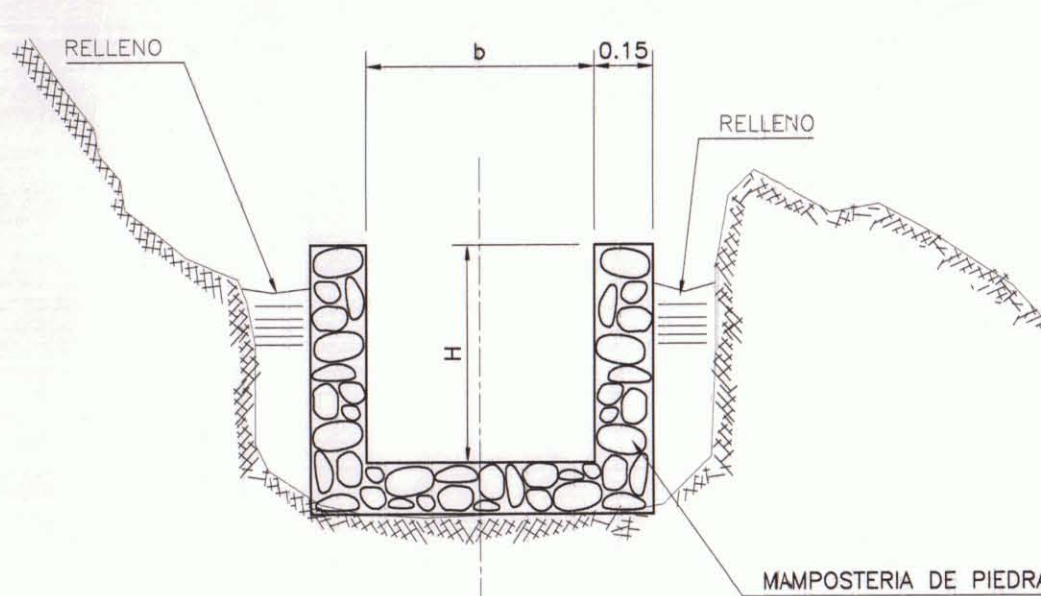


CUADRO DE DESARROLLO DE CURVAS Y VERTICES											
VERTICE	COORDENADAS	UBICACION	ANGULO	RADIO	TANGENTE	CORDADO	INICIO	FIN			
N°	EST. (m)	NORTE	(gr)	(m)	(m)	(m)	(m)	(m)	CURVA	VERTICE	FIN
570	33870.836	664992.701	102.117	1.82	0.00	0.00	0.00	0.00	171.1	171.1	171.1
571	33870.832	664993.598	741.29	23.72	2.3	0.47	0.53	233.7	233.7	233.7	233.7
572	33868.753	664991.921	708.95	13.01	2.5	0.19	0.00	78.6	78.6	78.6	78.6
573	33867.602	664991.236	737.48	20.47	2.5	0.41	0.80	78.6	78.6	78.6	78.6
574	33867.234	664991.132	737.86	-2.48	0.0	0.00	0.00	78.6	78.6	78.6	78.6
575	33866.444	664990.862	736.40	46.98	2.3	0.97	1.84	78.6	78.6	78.6	78.6
576	33865.647	664991.138	736.85	-2.48	0.0	0.00	0.00	78.6	78.6	78.6	78.6
577	33864.977	664991.341	742.77	-21.13	2.3	0.42	0.83	78.6	78.6	78.6	78.6
578	33863.704	664991.681	742.84	-11.88	2.3	0.34	0.47	78.6	78.6	78.6	78.6
579	33861.029	664990.309	744.40	-11.88	2.3	0.34	0.47	78.6	78.6	78.6	78.6
580	33858.518	664989.208	743.18	-11.88	2.3	0.34	0.47	78.6	78.6	78.6	78.6
581	33856.041	664988.824	743.1	9.91	2.3	0.19	0.36	743.0	743.0	743.0	743.0
582	33853.078	664988.668	749.80	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
583	33850.615	664988.178	757.84	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
584	33847.511	664987.203	764.51	-2.54	0.0	0.00	0.00	743.0	743.0	743.0	743.0
585	33844.246	664987.177	769.11	-2.54	0.0	0.00	0.00	743.0	743.0	743.0	743.0
586	33840.418	664986.831	780.49	6.78	0.0	0.00	0.00	743.0	743.0	743.0	743.0
587	33836.253	664986.433	781.74	0.97	0.0	0.00	0.00	743.0	743.0	743.0	743.0
588	33832.084	664986.587	784.51	9.45	2.3	0.19	0.37	743.0	743.0	743.0	743.0
589	33828.084	664986.192	785.48	20.88	2.3	0.45	0.80	743.0	743.0	743.0	743.0
590	33824.384	664985.399	789.22	10.72	2.3	0.21	0.42	743.0	743.0	743.0	743.0
591	33820.384	664984.902	789.5	20.32	2.3	0.21	0.42	743.0	743.0	743.0	743.0
592	33816.384	664984.917	787.86	11.94	0.0	0.00	0.00	743.0	743.0	743.0	743.0
593	33812.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
594	33808.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
595	33804.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
596	33800.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
597	33796.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
598	33792.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
599	33788.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
600	33784.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
601	33780.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
602	33776.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
603	33772.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
604	33768.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
605	33764.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
606	33760.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
607	33756.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
608	33752.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
609	33748.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
610	33744.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
611	33740.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
612	33736.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
613	33732.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
614	33728.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
615	33724.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
616	33720.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
617	33716.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
618	33712.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
619	33708.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
620	33704.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
621	33700.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
622	33696.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
623	33692.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
624	33688.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
625	33684.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
626	33680.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
627	33676.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
628	33672.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
629	33668.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
630	33664.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
631	33660.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
632	33656.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
633	33652.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
634	33648.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
635	33644.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
636	33640.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
637	33636.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
638	33632.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
639	33628.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0
640	33624.384	664984.723	788.57	-7.45	0.0	0.00	0.00	743.0	743.0	743.0	743.0

CUADRO DE DIMENSIONES

DIMENSIONES(m)									
CANAL (m.)		ENTREGA (mm.)		GRADA (m.)		COTAS FONDO			
B	H	B	H	a	b	EXIST.	PROY.		
0.1513517	0.75	0.70	75	0.15	1.00	1266.96	1266.96		
9.1782108	0.75	0.70	75	0.15	1.00	1266.92	1266.92		
9.2223318	0.75	0.70	75	0.15	1.00	1266.85	1266.85		
9.2971466	0.70	0.65	75	0.15	1.00	1266.72	1266.72		
9.3302601	0.70	0.65	75	0.15	1.00	1266.67	1266.67		
9.4124942	0.70	0.65	75	0.15	1.00	1266.53	1266.53		
9.6227285	0.70	0.65	75	0.10	0.90	1265.95	1265.95		
9.7485182	0.70	0.65	75	0.10	0.90	1265.23	1265.23		
9.9223558	0.70	0.65	75	0.10	1.20	1263.92	1263.92		

SECCION TIPO



CUADRO COORDENADAS DE PR

PR	NORTE	ESTE	COTA (m.)
20	6649909.59	338373.03	1267.63

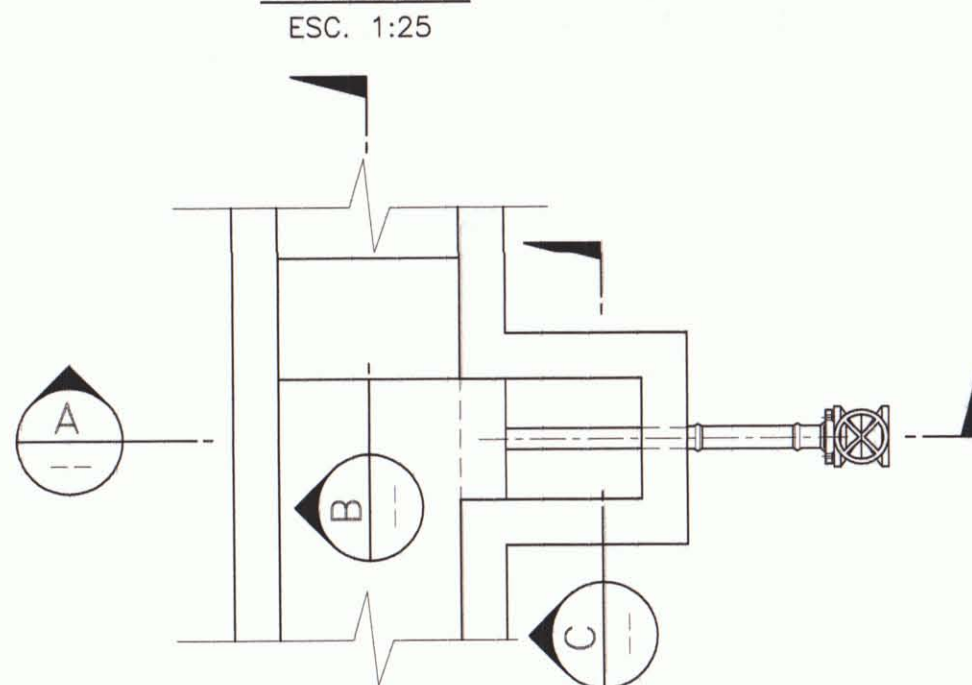
CUADRO COORDENADAS DE PR. ESTACION

PRE	NORTE	ESTE	COTA (m.s.n.m.)
17	6649924.60	338323.50	1266.43
18	6649844.15	338250.10	1270.28

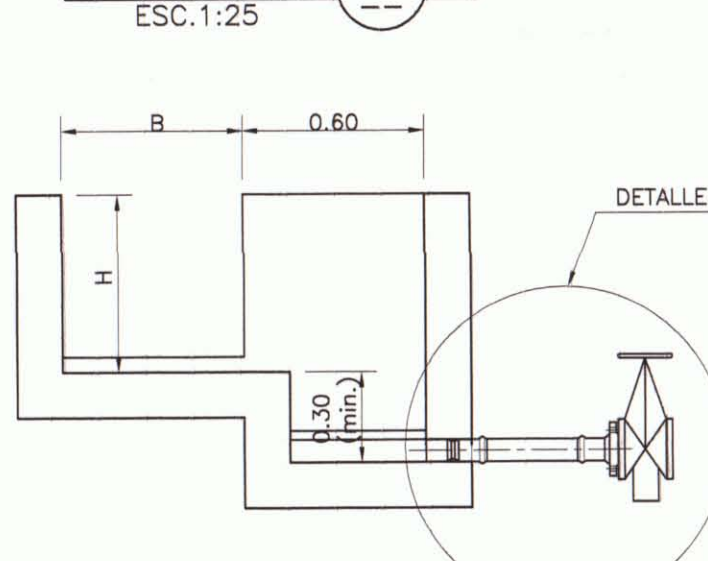
CUADRO DE SECCIONES

TRAMO	SECCION	OBS.
Km	Km	
8.120 - 9.297	0.75	0.70
9.297 - 9.920	0.70	0.65

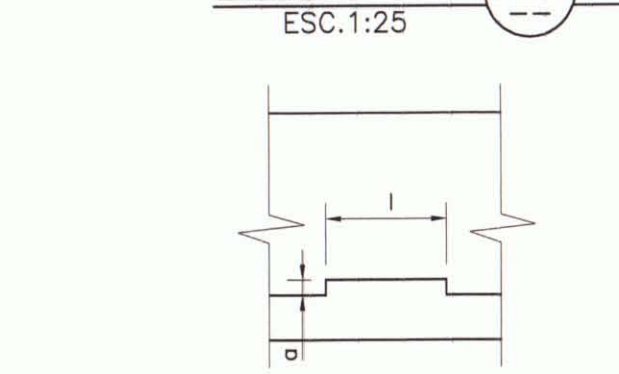
PLANTA



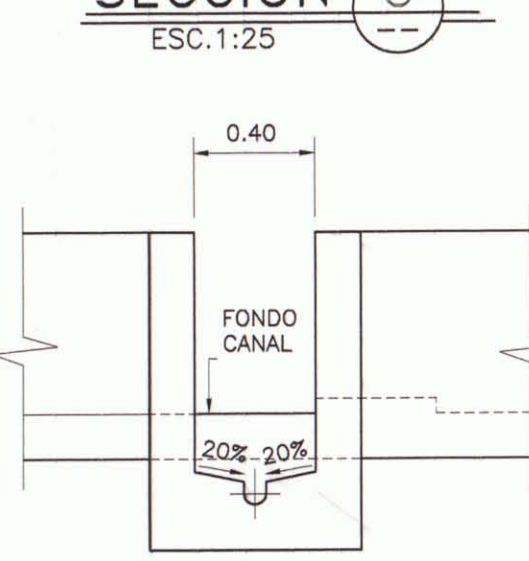
SECCION A



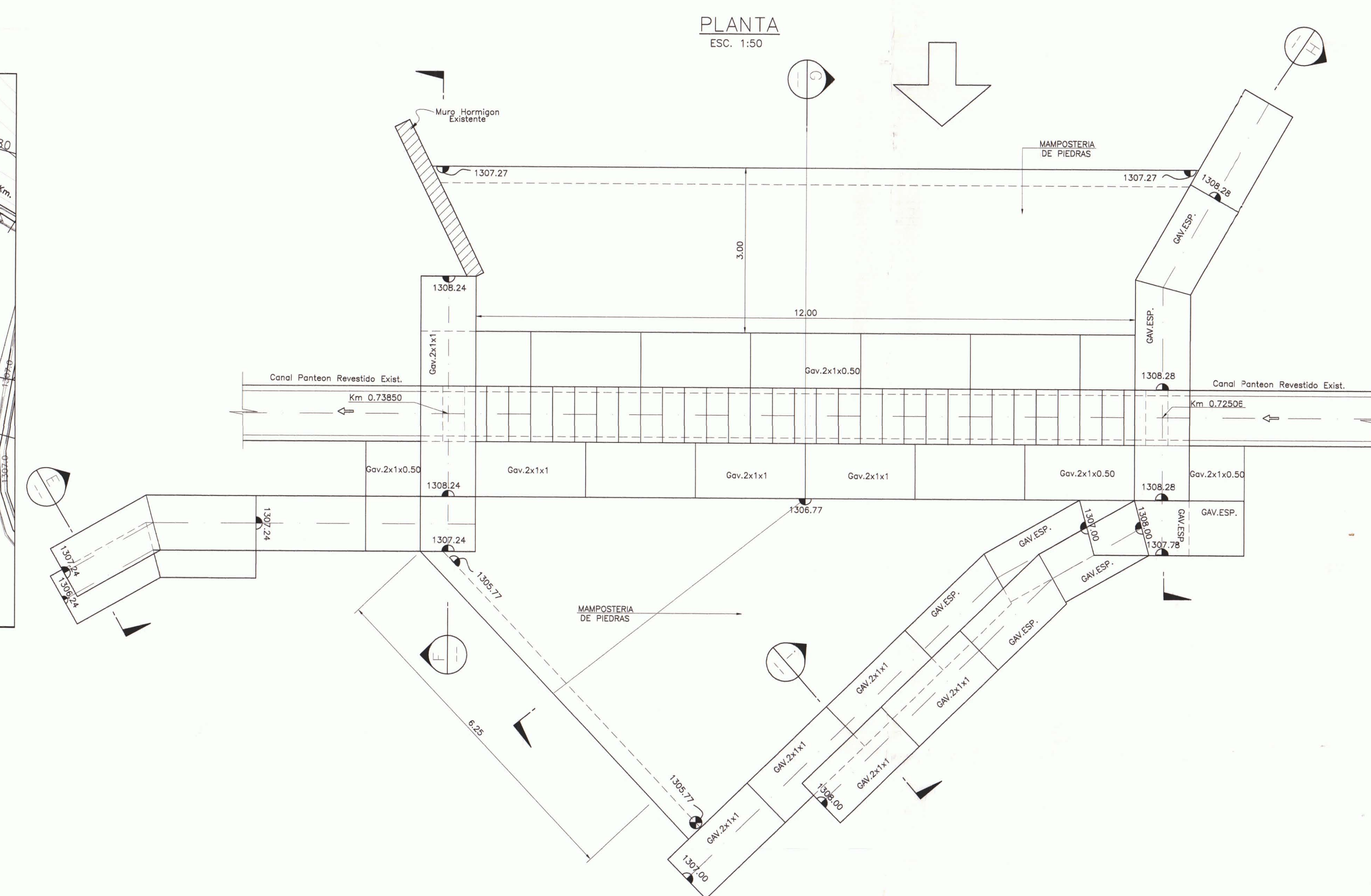
SECCION B



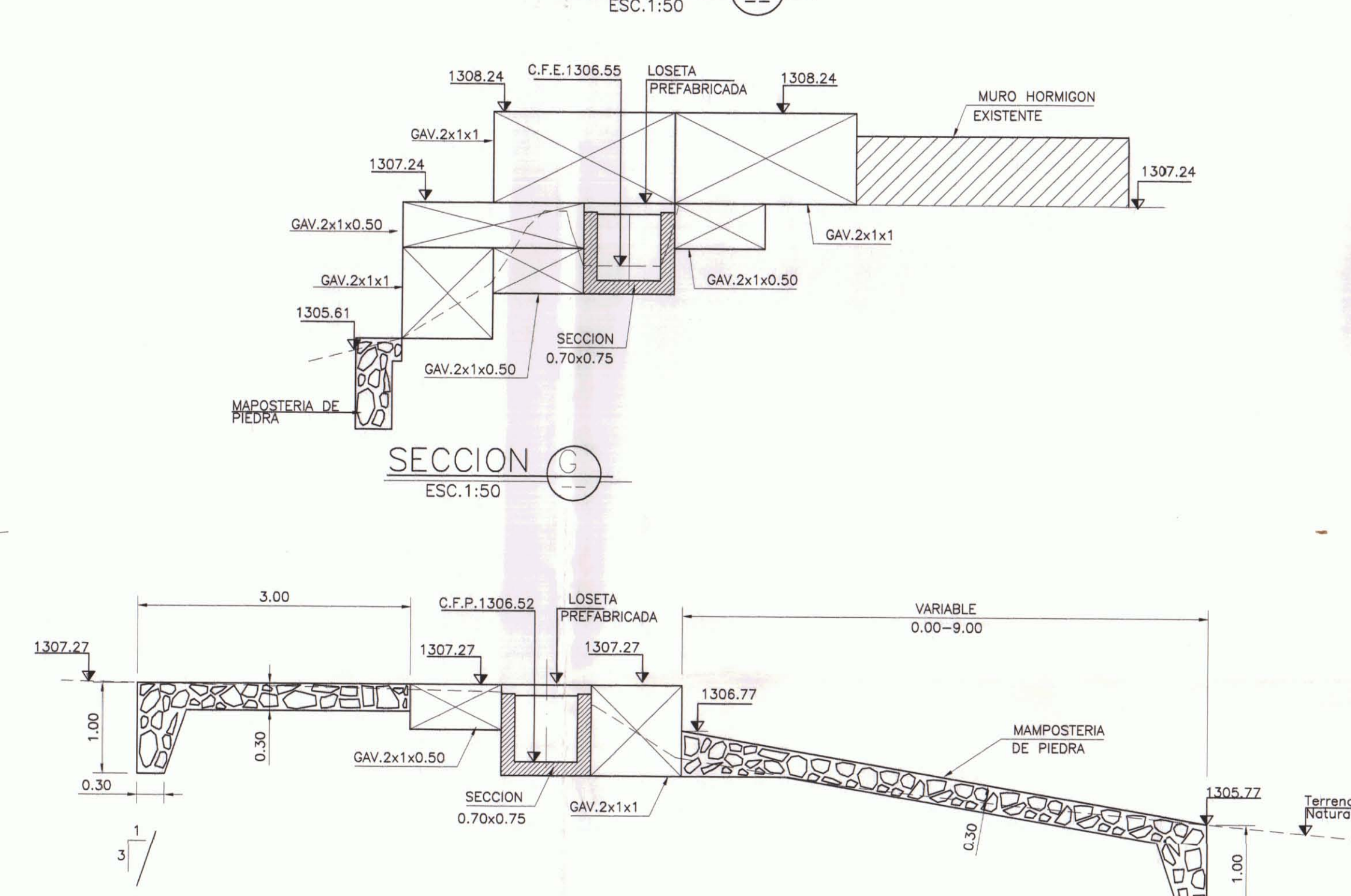
SECCION C



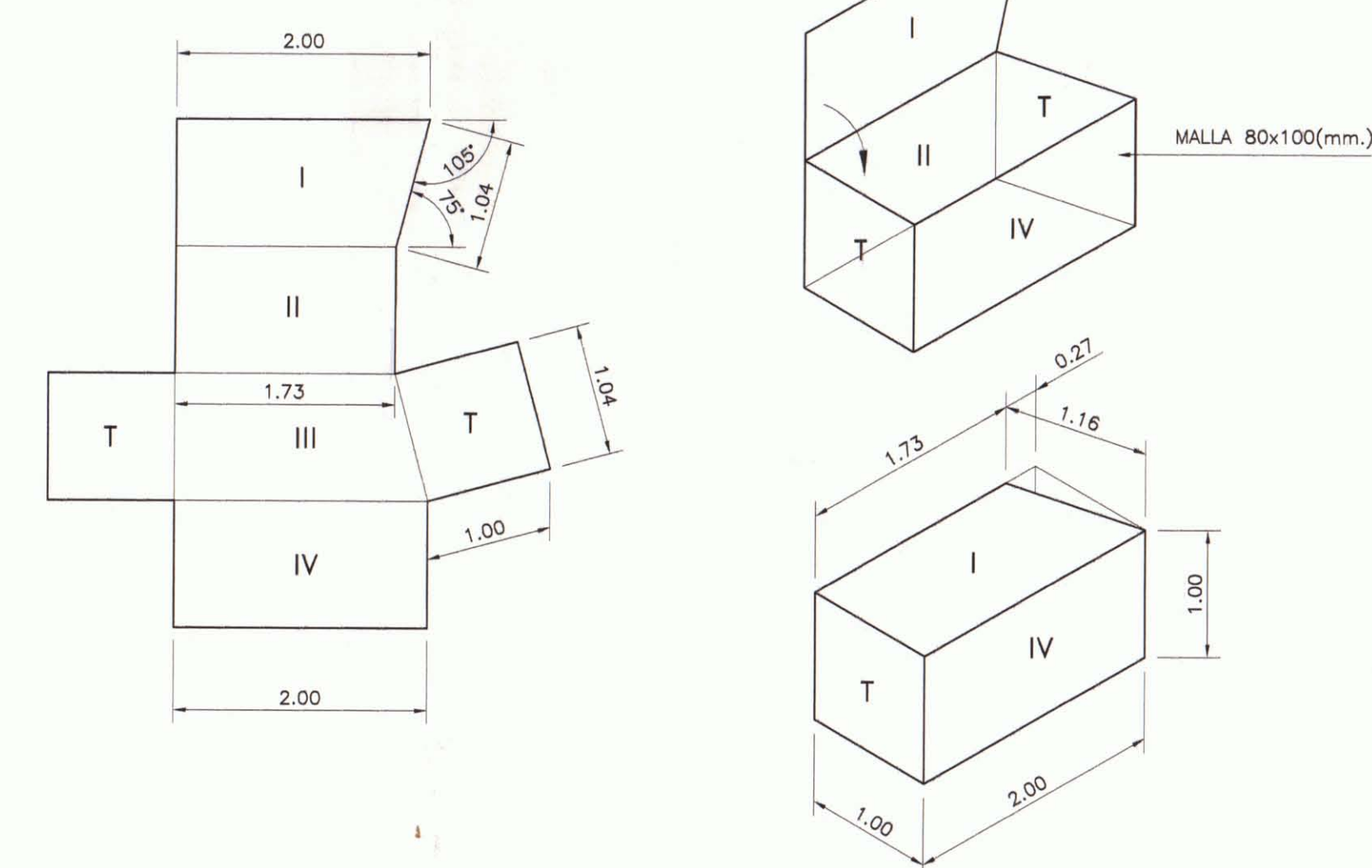
CRUCE QUEBRADA Km.0.72506



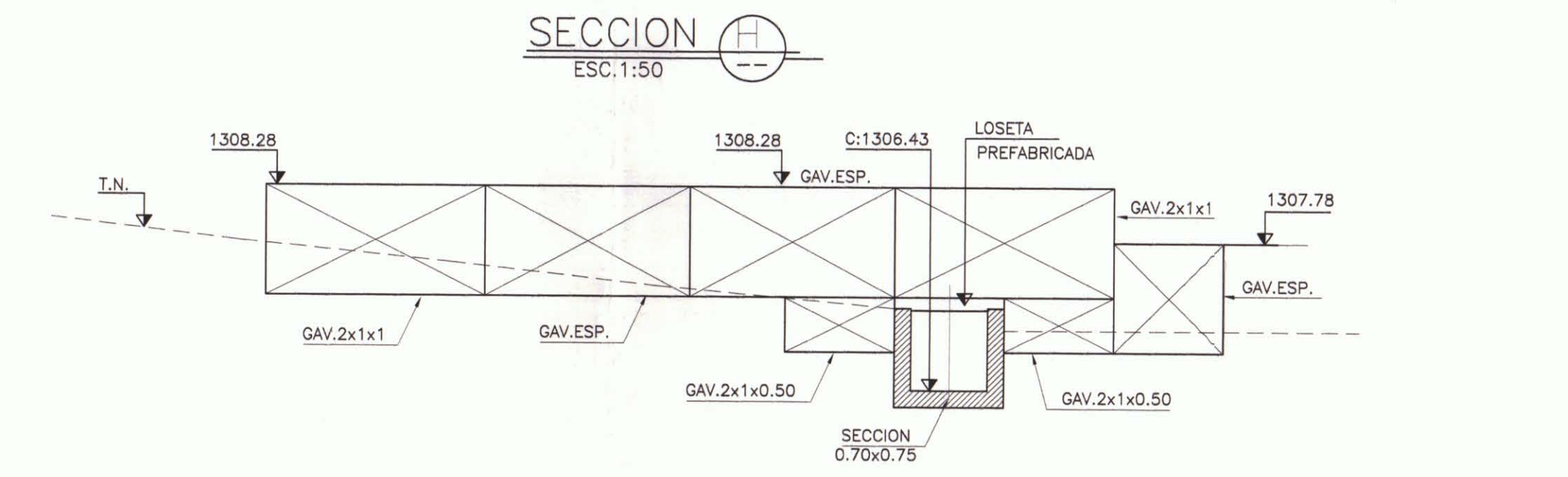
PRE	NORTE	ESTE	COTA (m)
08	6649234.71	341911.65	1313.33

SECCION F

GAVION ESPECIAL

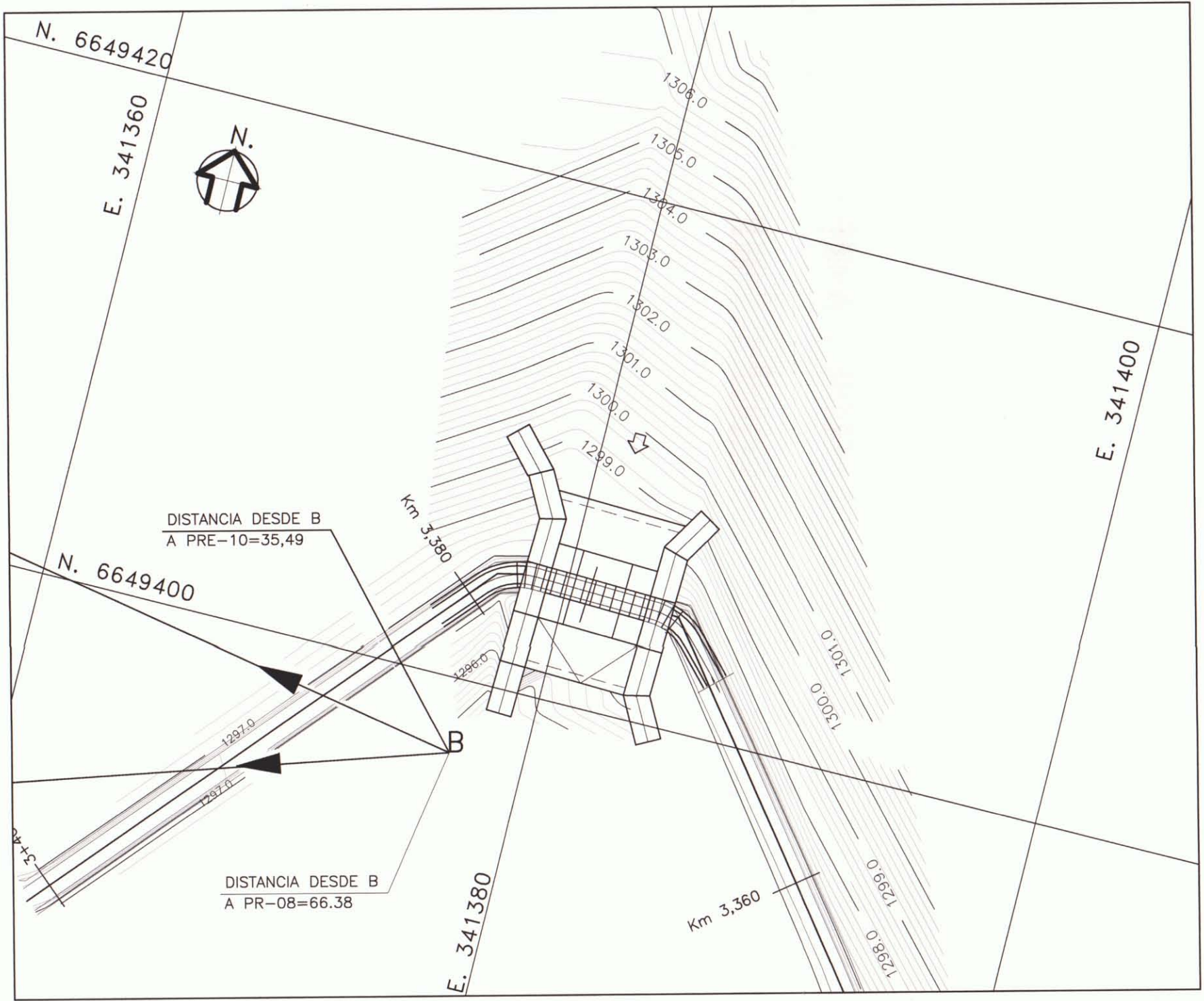


CUADRO DE PRE ESTACION			
PRE	NORTE	ESTE	COTA (m.)
03	6648084.24	342686.95	1310.19

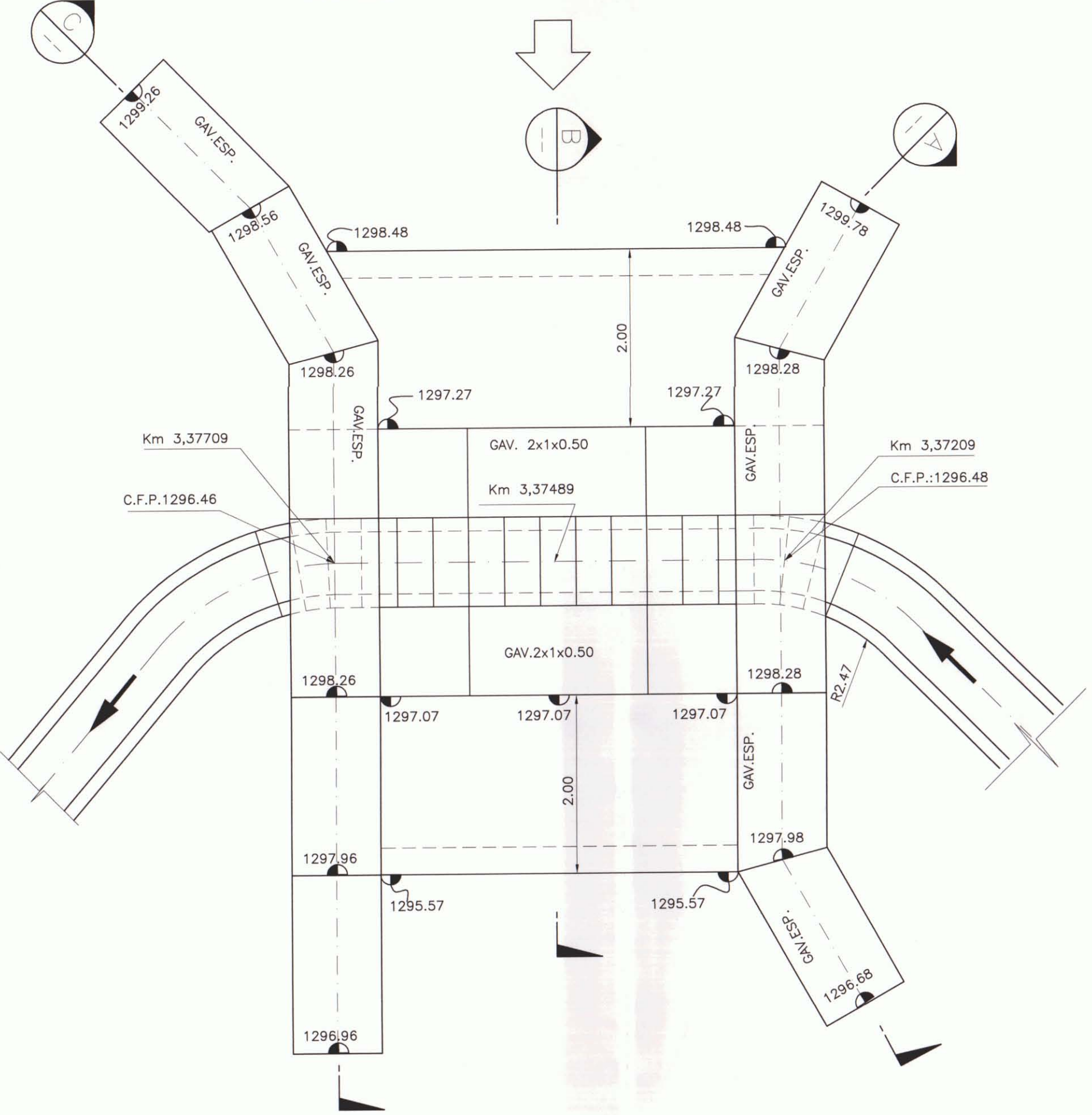


UNIFICACION PANTEON-CANAL PANTEON
CRUCE DE QUEBRADA Km.3,37209

PLANTA GENERAL
ESC. 1:200

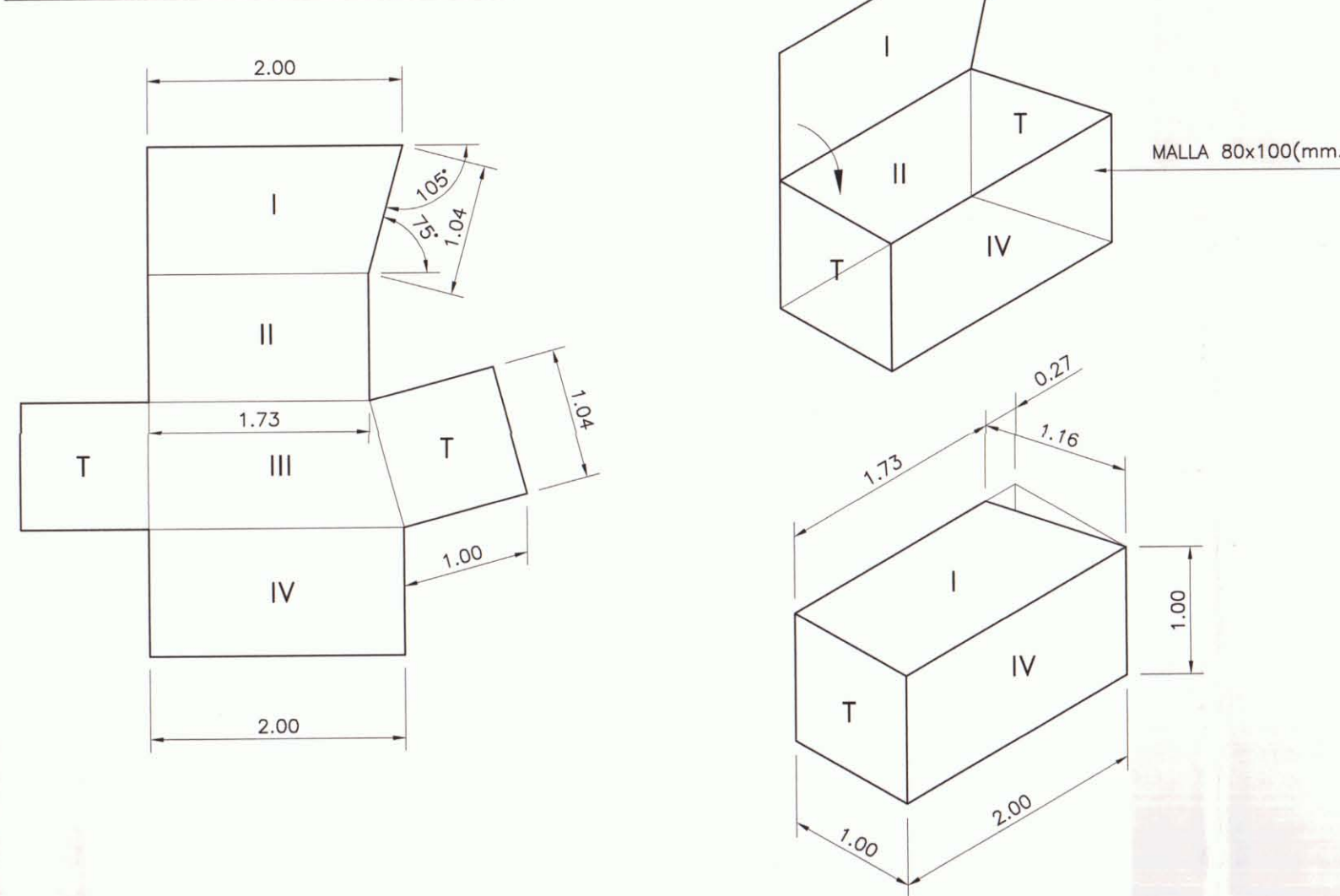


PLANTA
ESC. 1:50

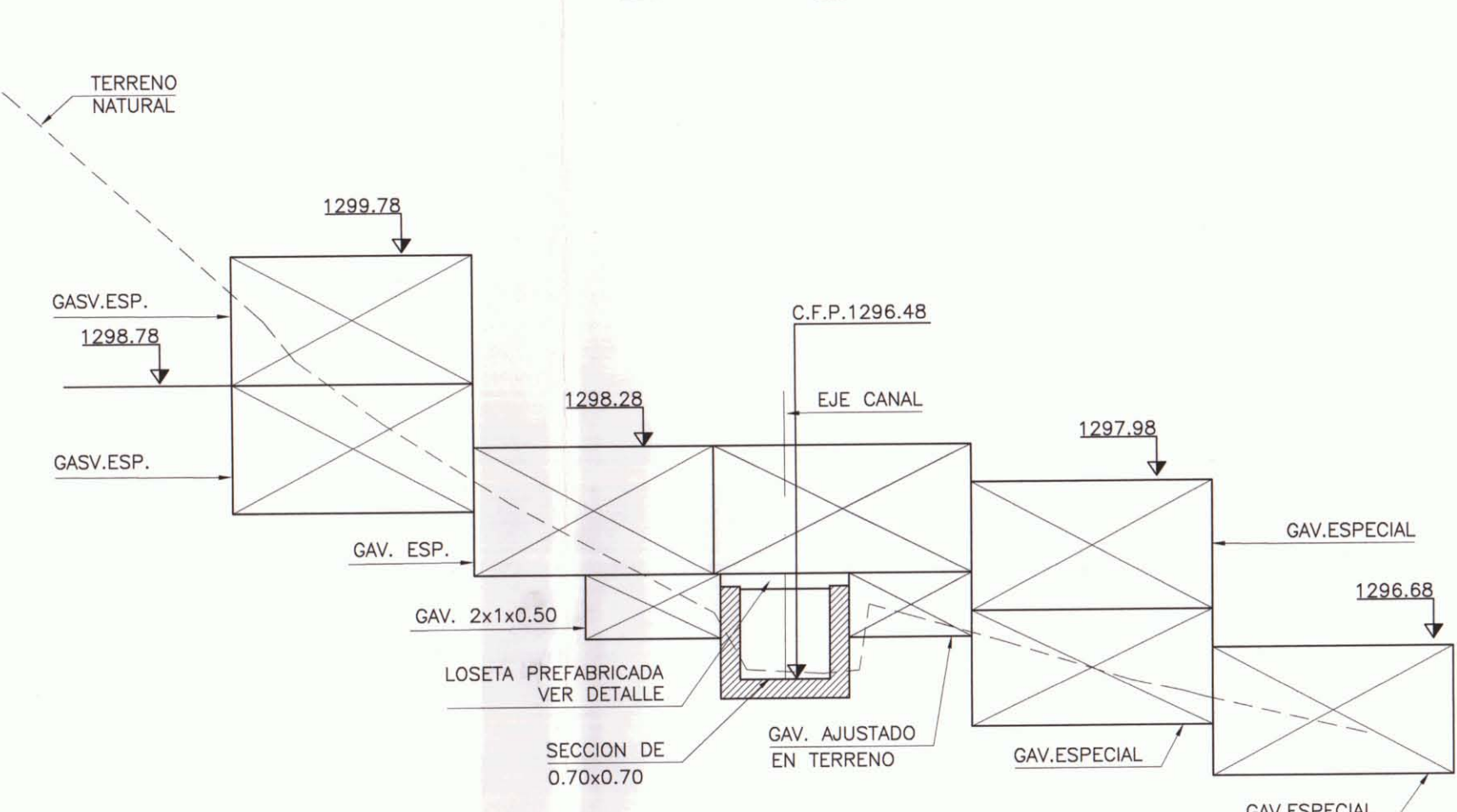


GAVION ESPECIAL
ESC. 1:50

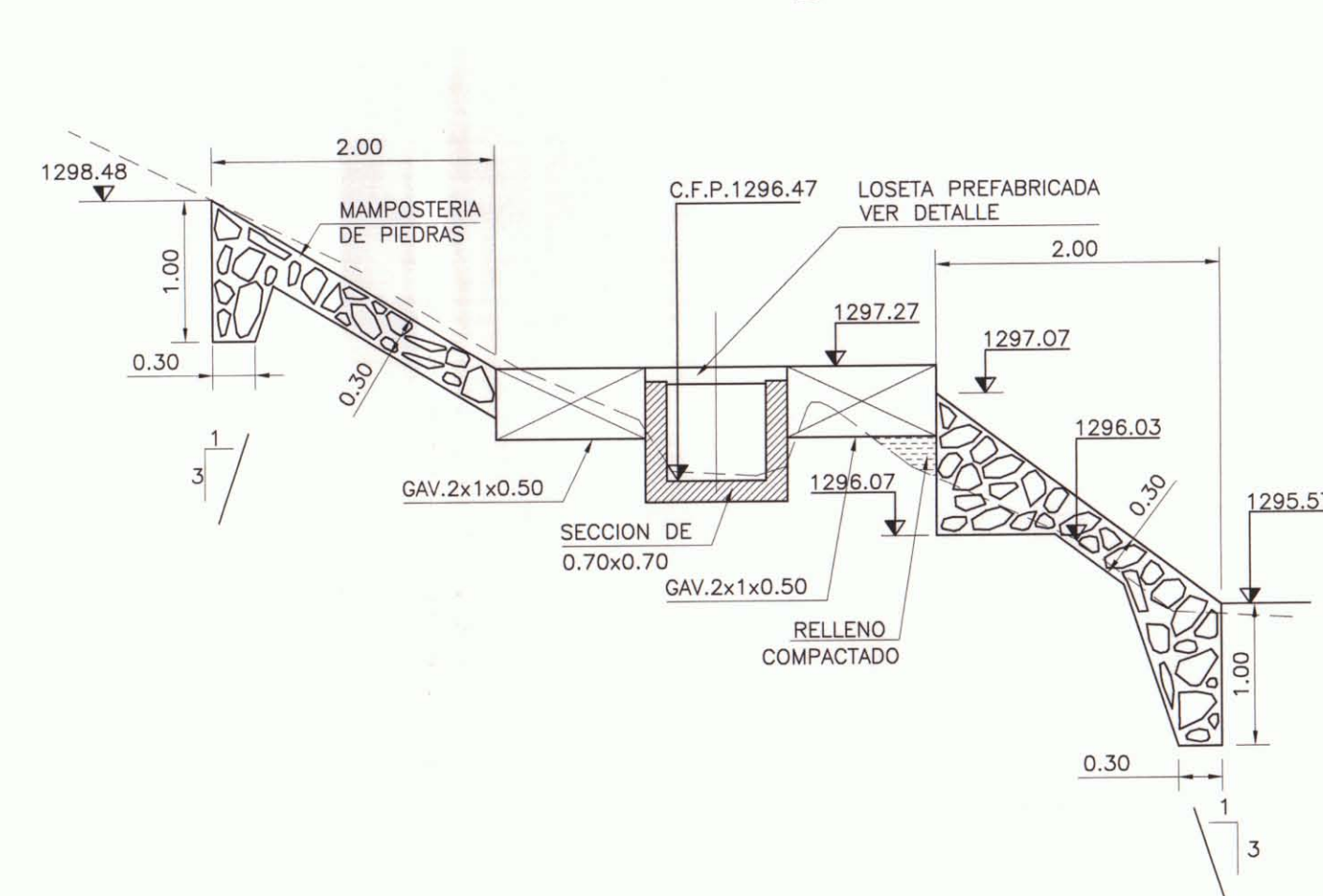
GAVION DESPLEGADO



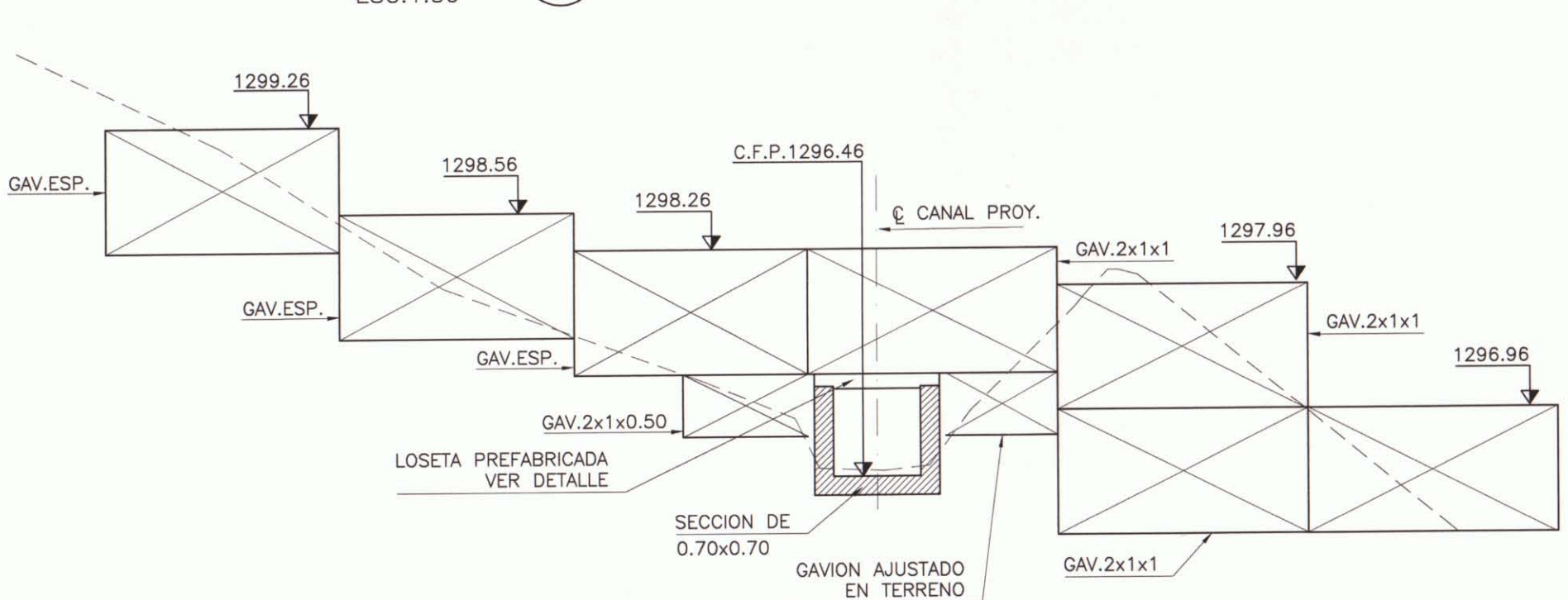
SECCION A
ESC. 1:50



SECCION B
ESC. 1:50

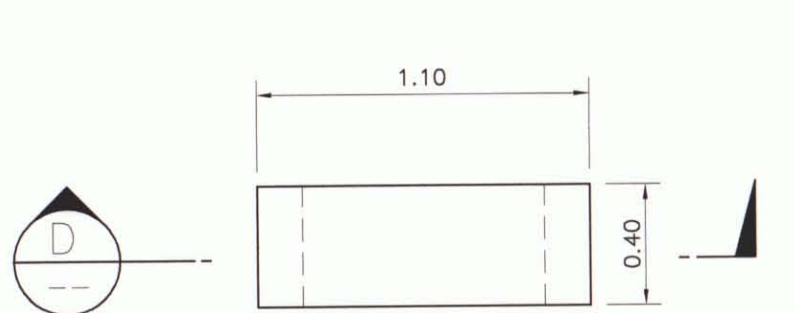


SECCION C
ESC. 1:50

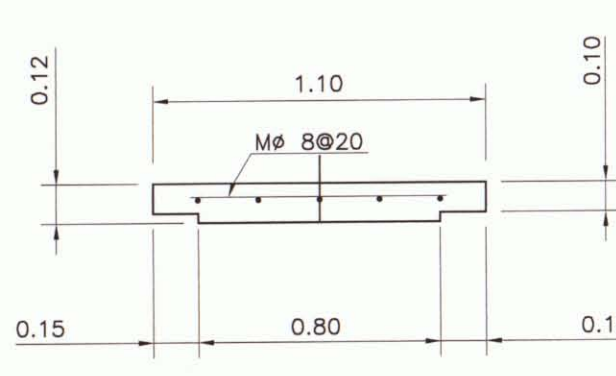


DETALLE DE LOSETA

PLANTA
ESC. 1:25



SECCION D
ESC. 1:25



CUADRO DE PR

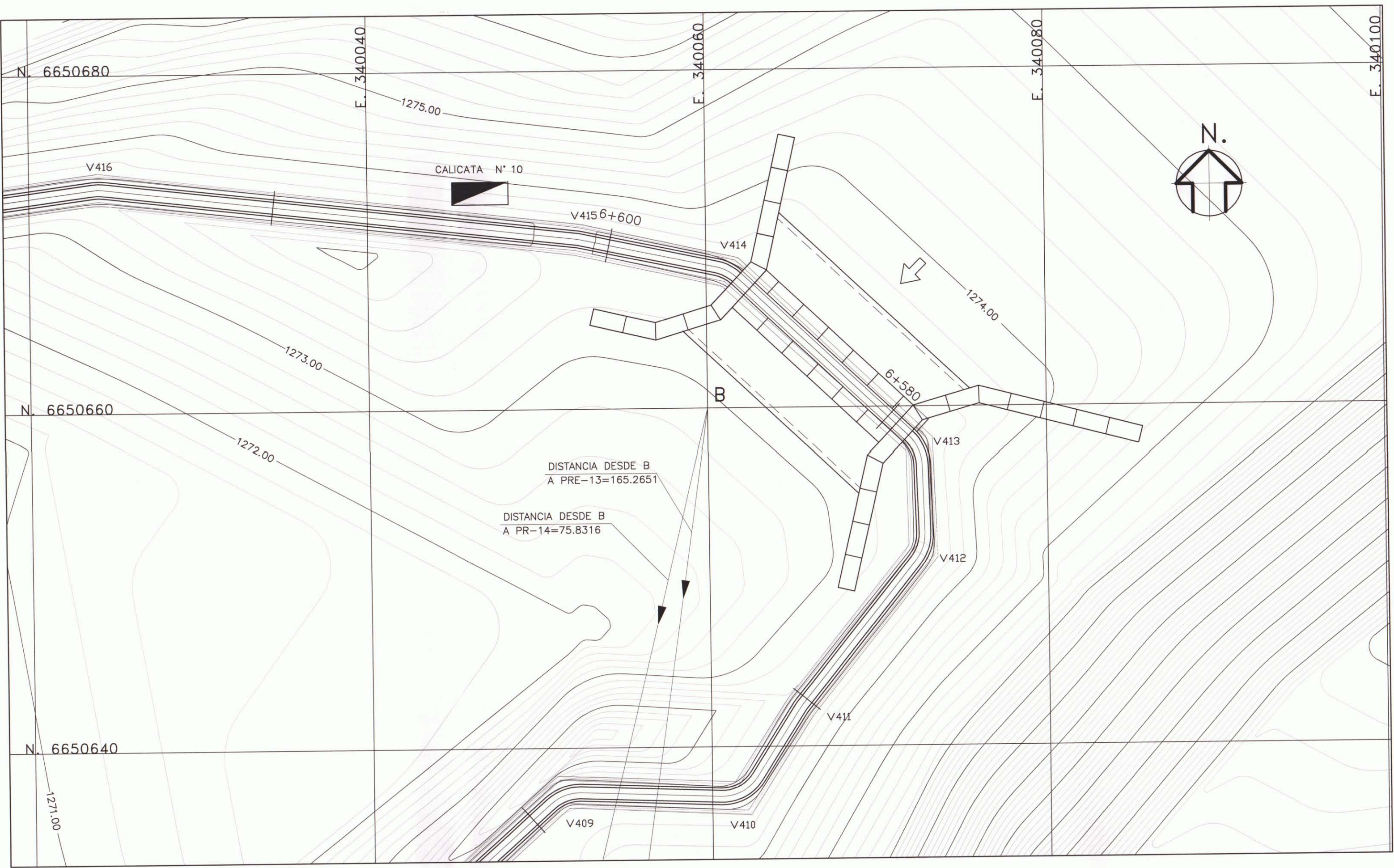
PR	NORTE	ESTE	COTA (m.)
08	6649376,57	341313,96	1298,09

CUADRO DE PRE

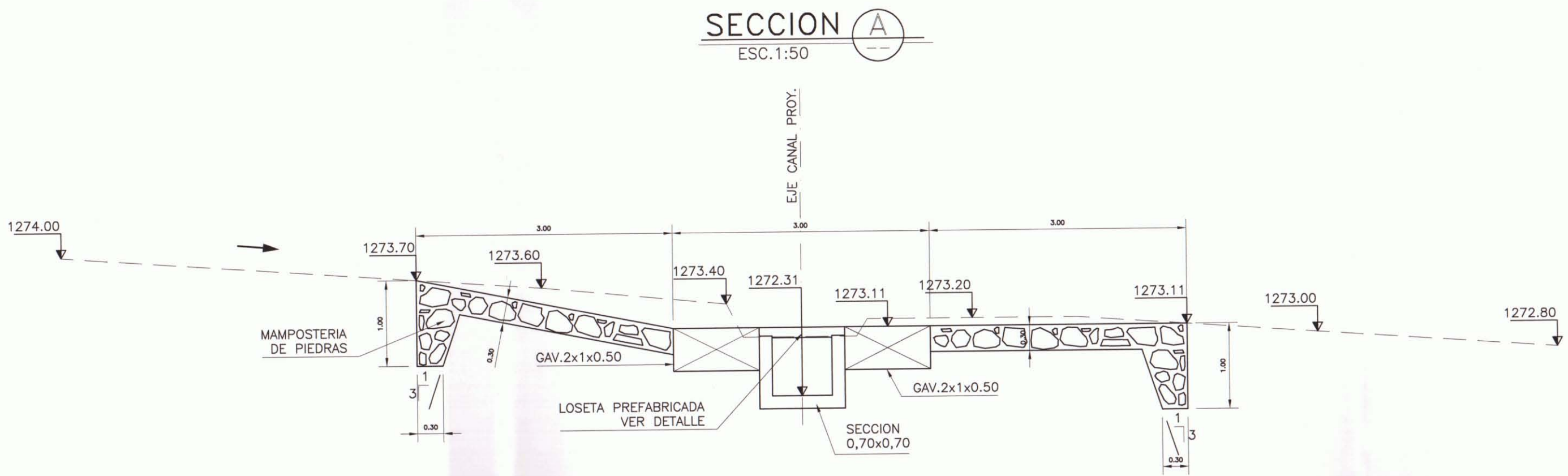
PRE	NORTE	ESTE	COTA (m.)
10	6649403,45	341342,17	1309,96

UNIFICACION PANTEON-CANAL PANTEON
CRUCE DE QUEBRADA EL ATAJO Km. 6,5788

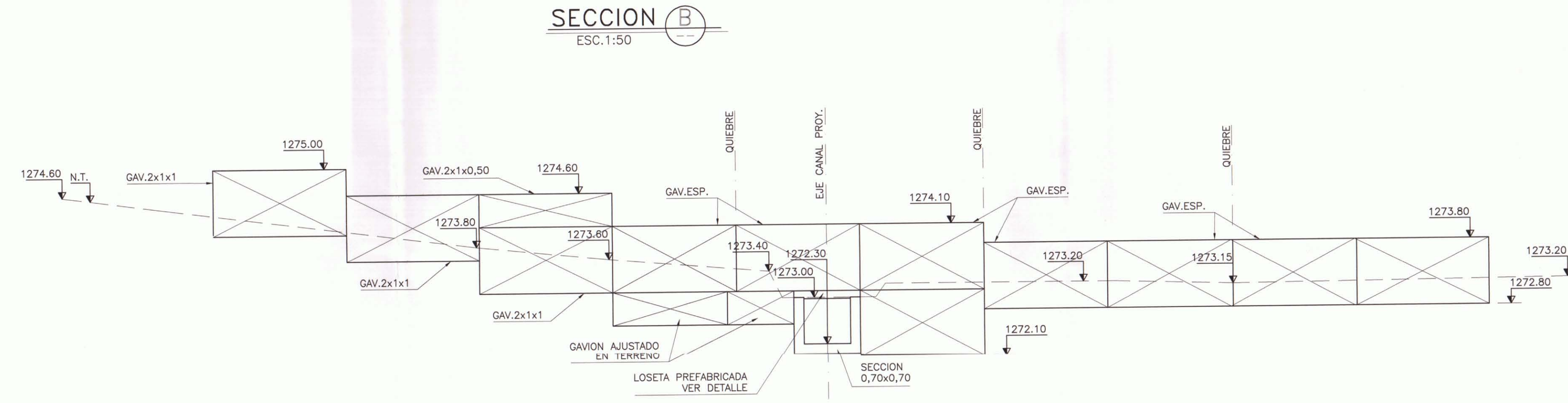
PLANTA GENERAL
ESC. 1:200



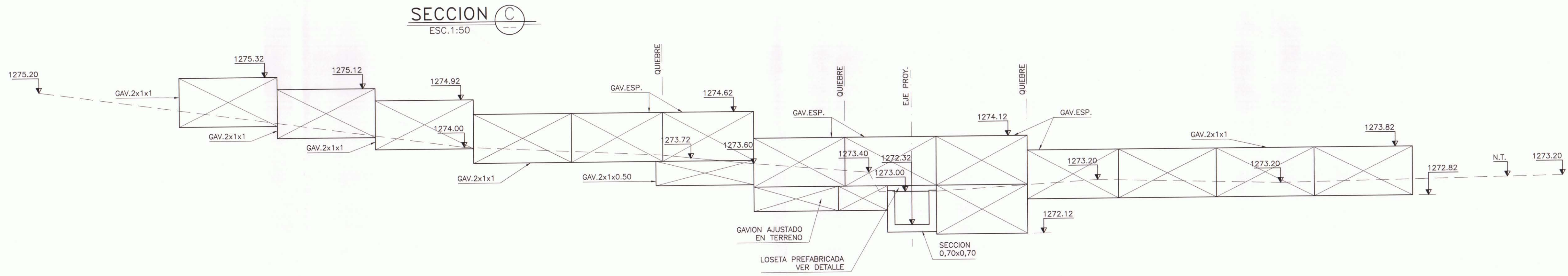
SECCION A
ESC. 1:50



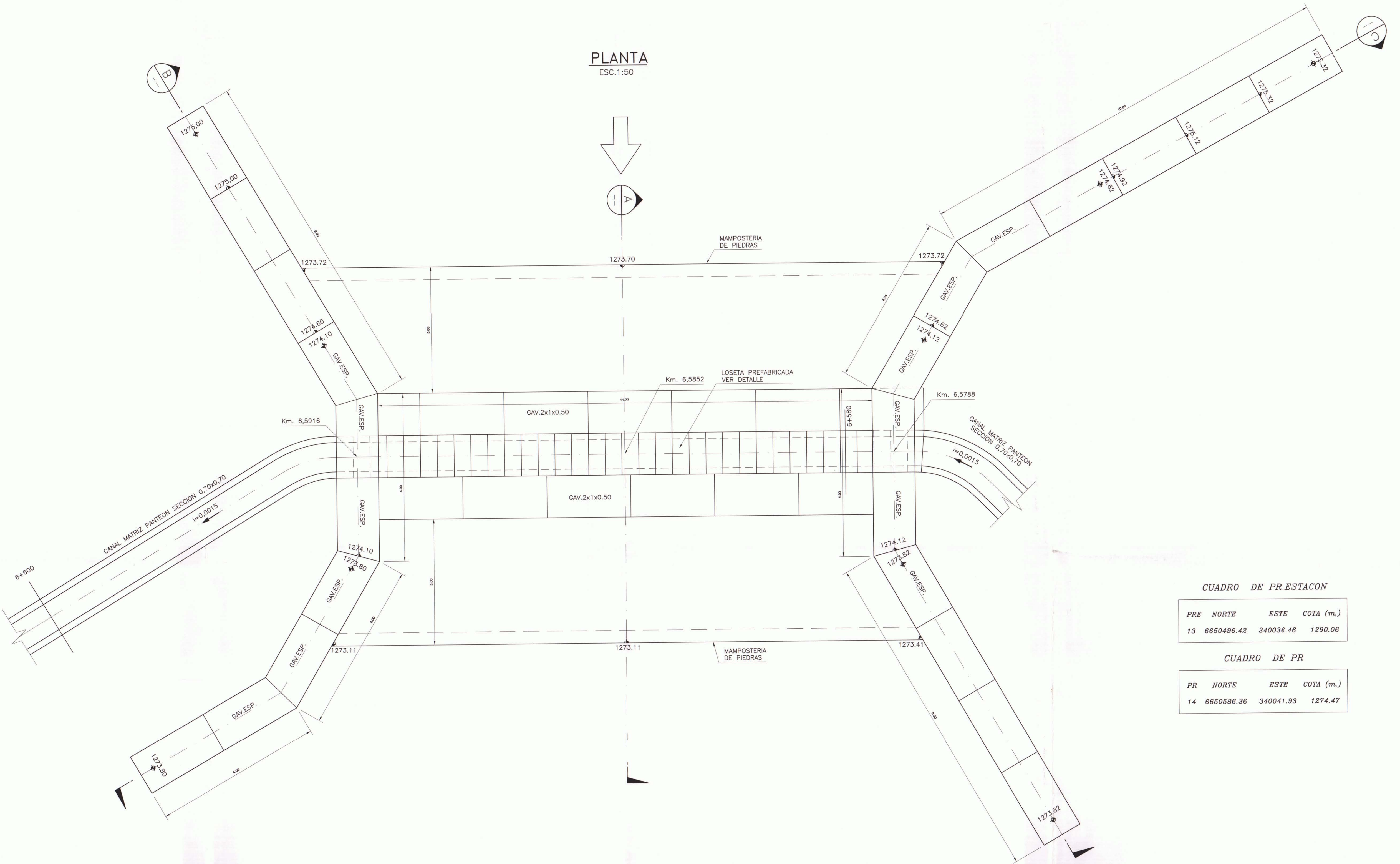
SECCION B
ESC. 1:50



SECCION C
ESC. 1:50



PLANTA
ESC. 1:50

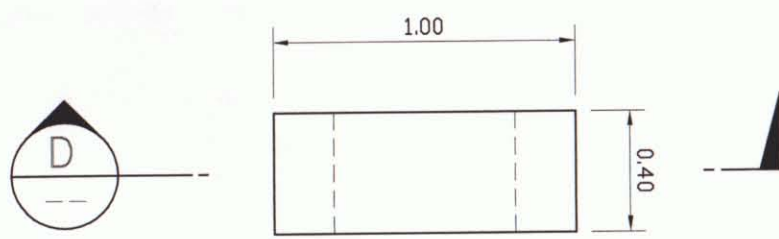


CUADRO DE PRESTACION			
PRE	NORTE	ESTE	COTA (m.)
13	6650496.42	340036.46	1290.06

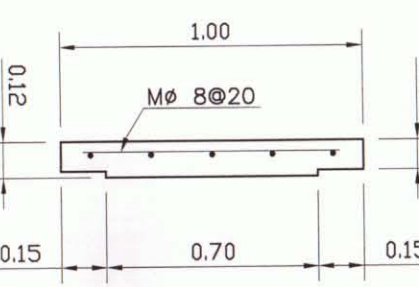
CUADRO DE PR			
PR	NORTE	ESTE	COTA (m.)
14	6650586.36	340041.93	1274.47

DETALLE LOSETAS

PLANTA
ESC. 1:25

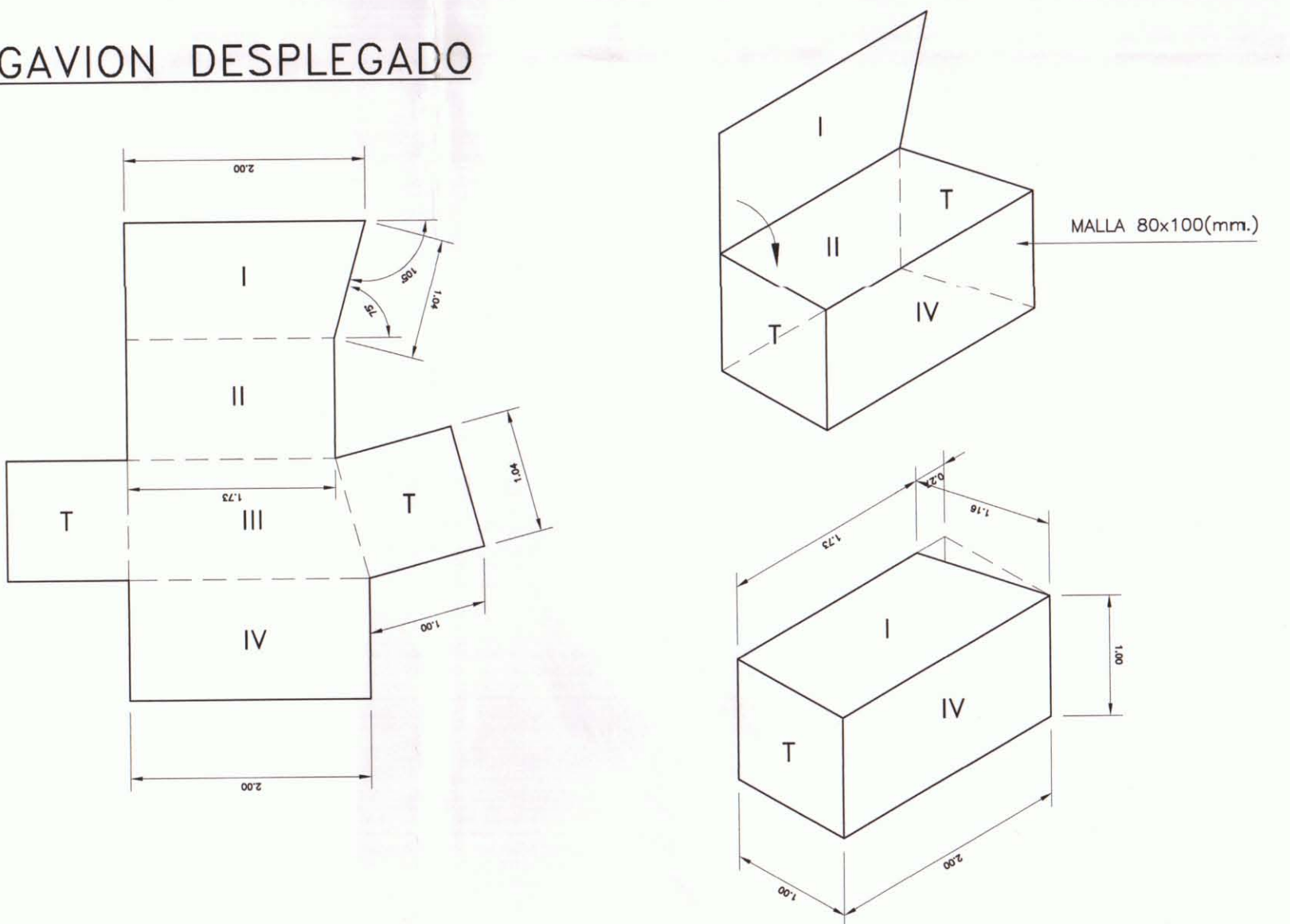


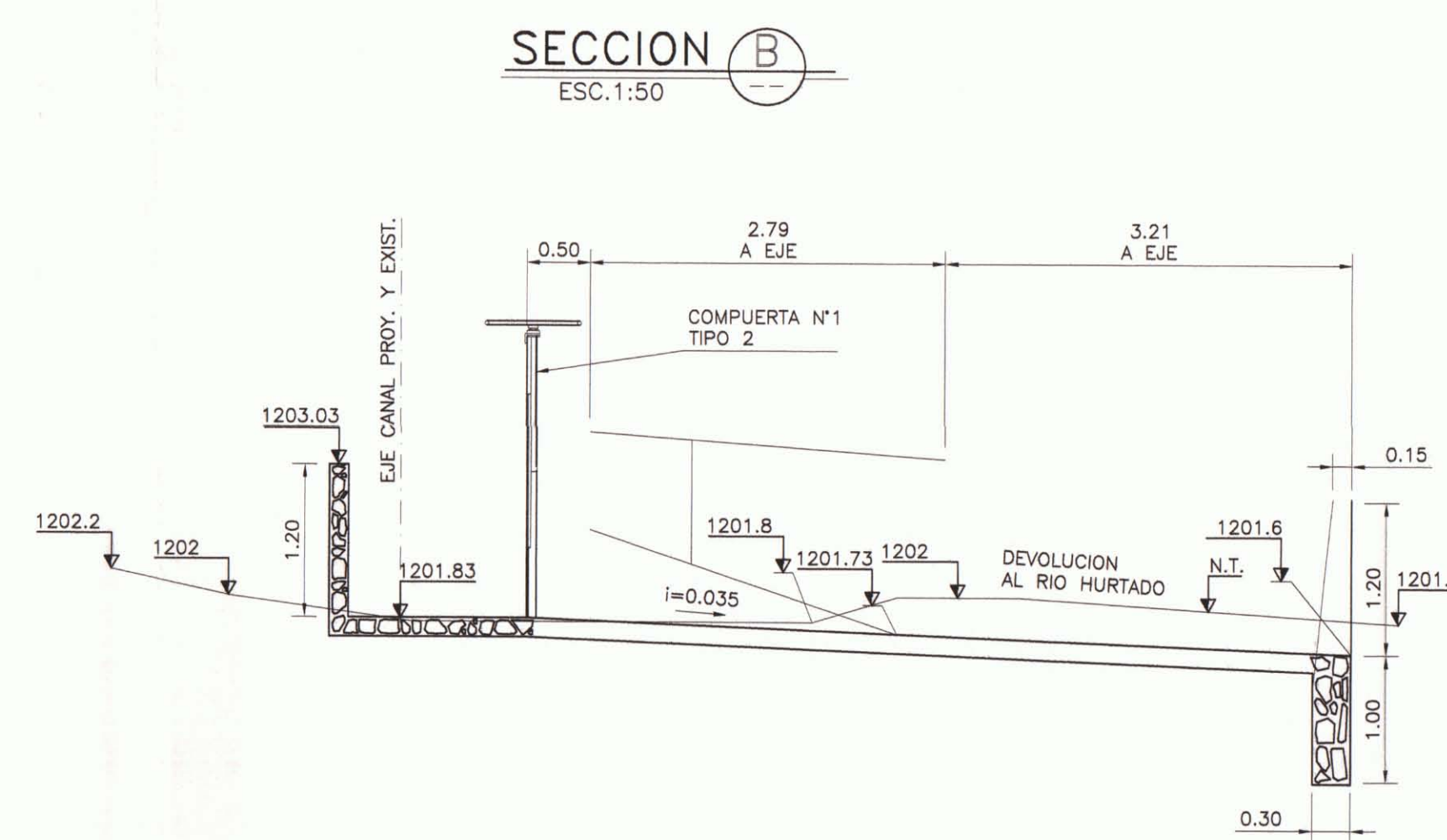
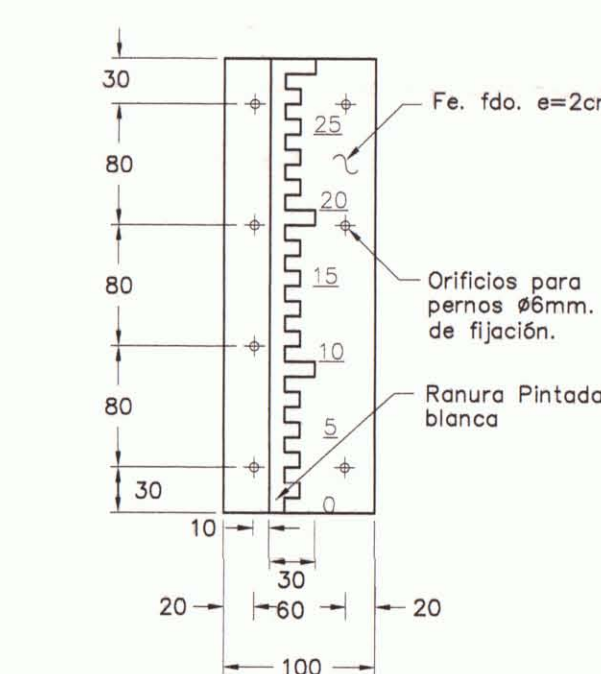
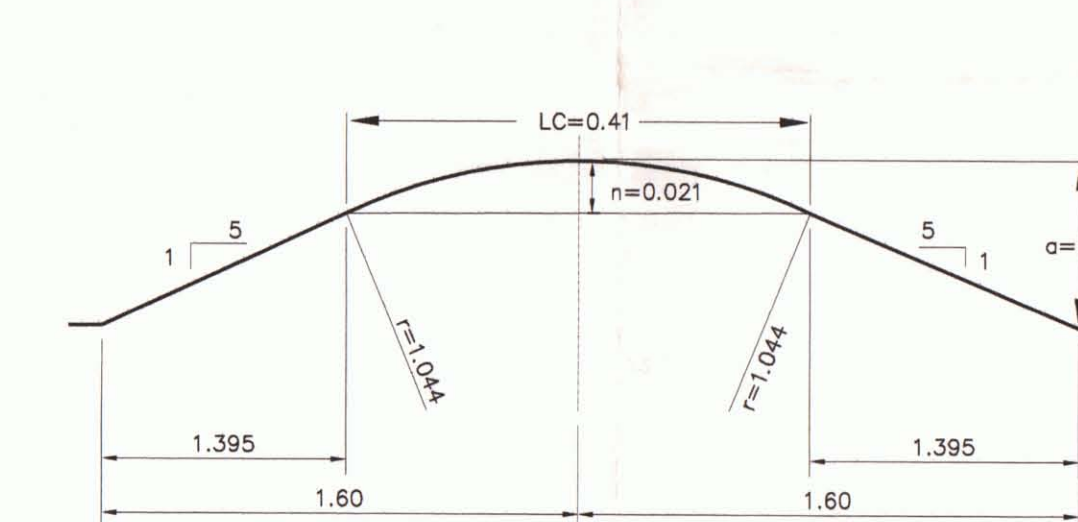
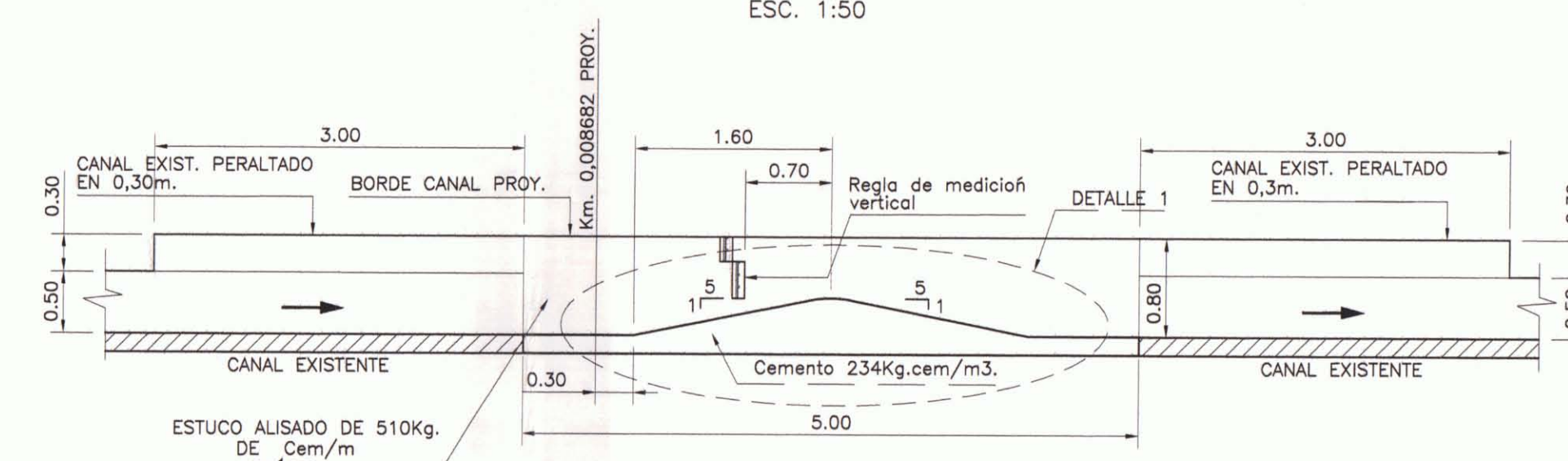
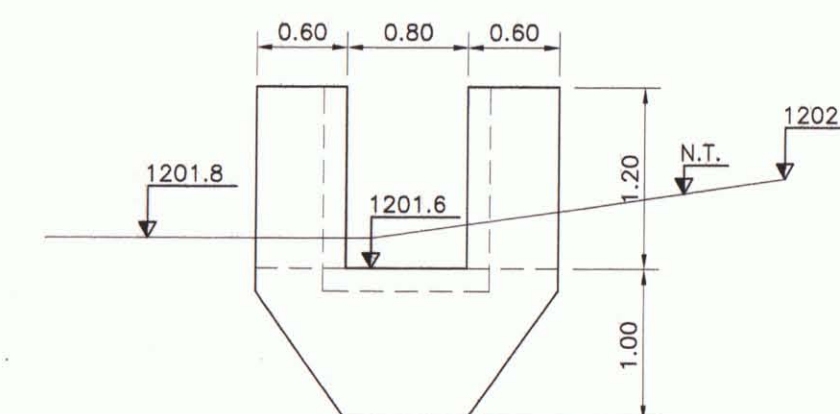
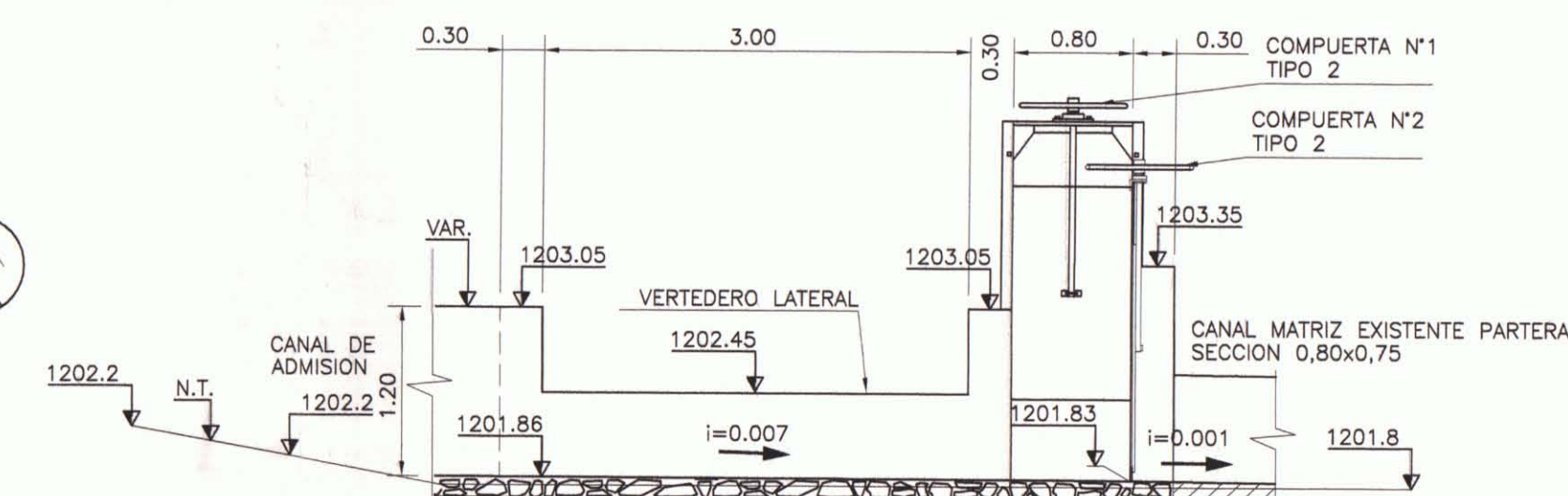
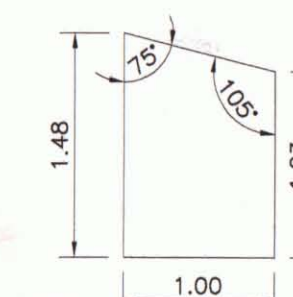
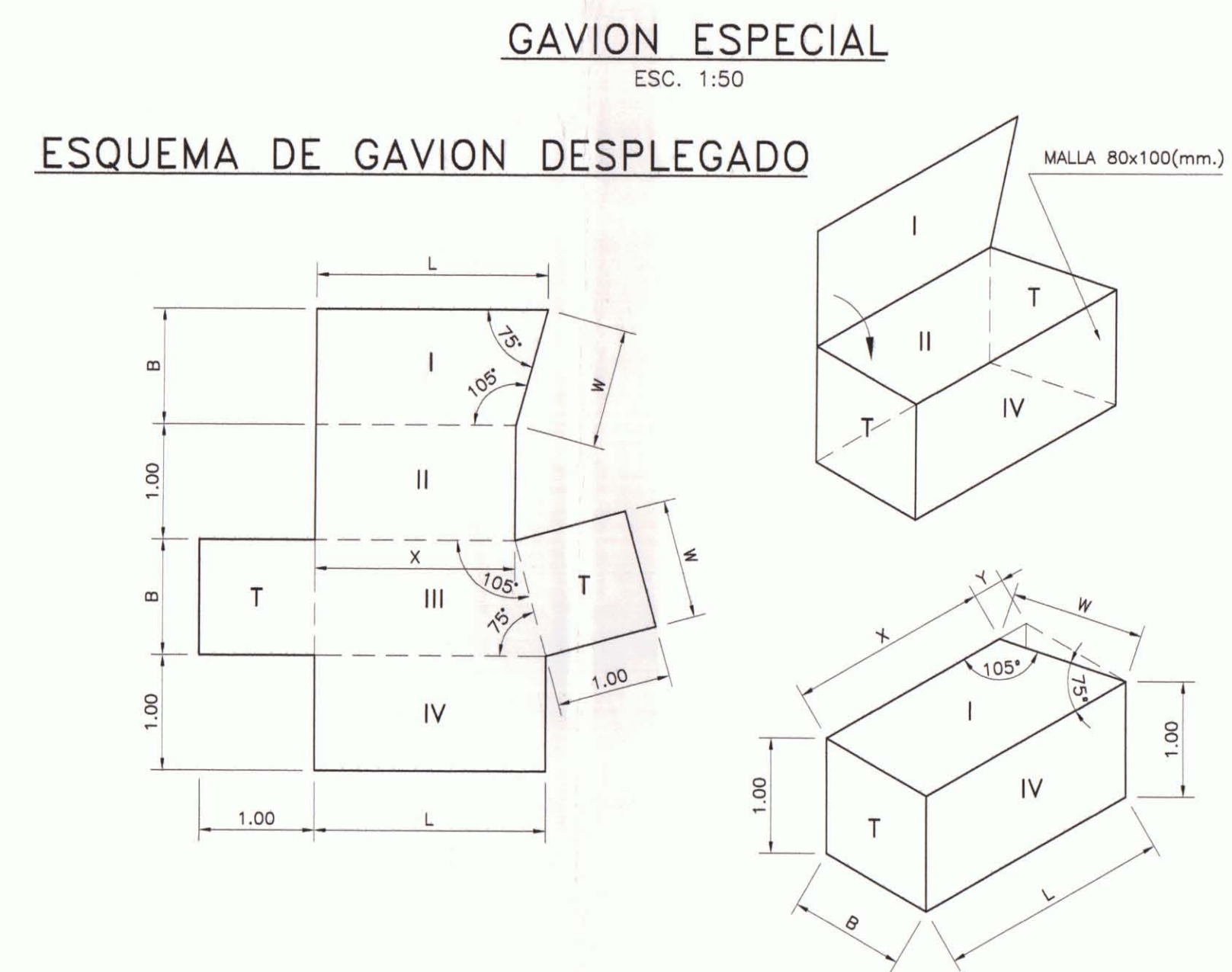
SECCION D
ESC. 1:25



GAVION ESPECIAL
ESC. 1:50

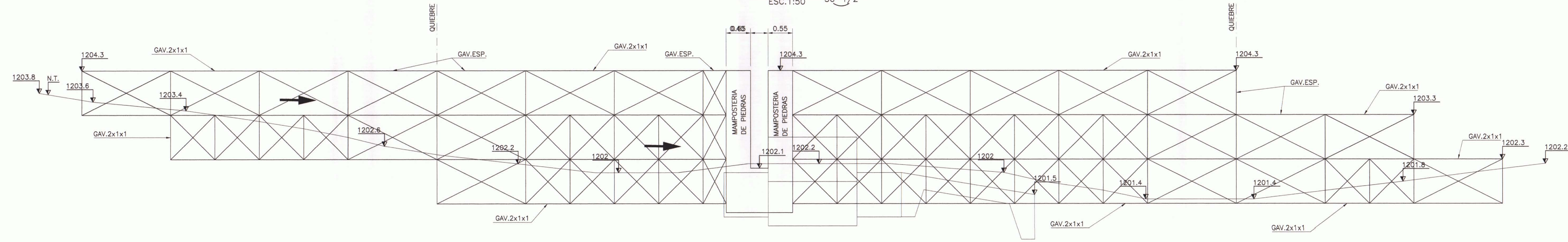
GAVION DESPLEGADO



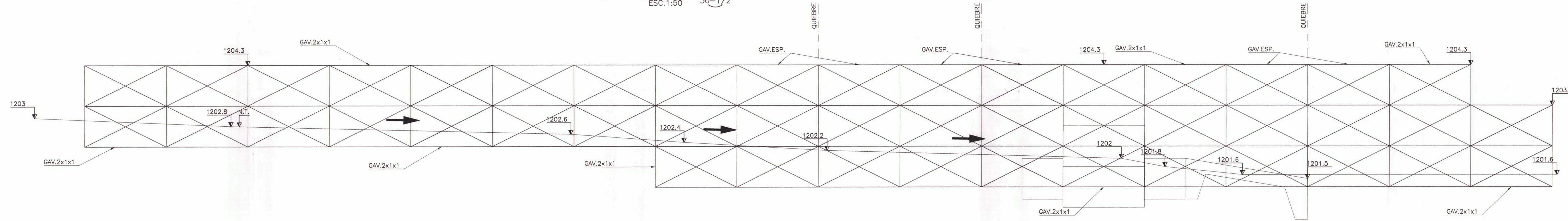


UNIFICACION LA PARTERA-CANAL PARTERA
OBRA DE CAPTACIÓN

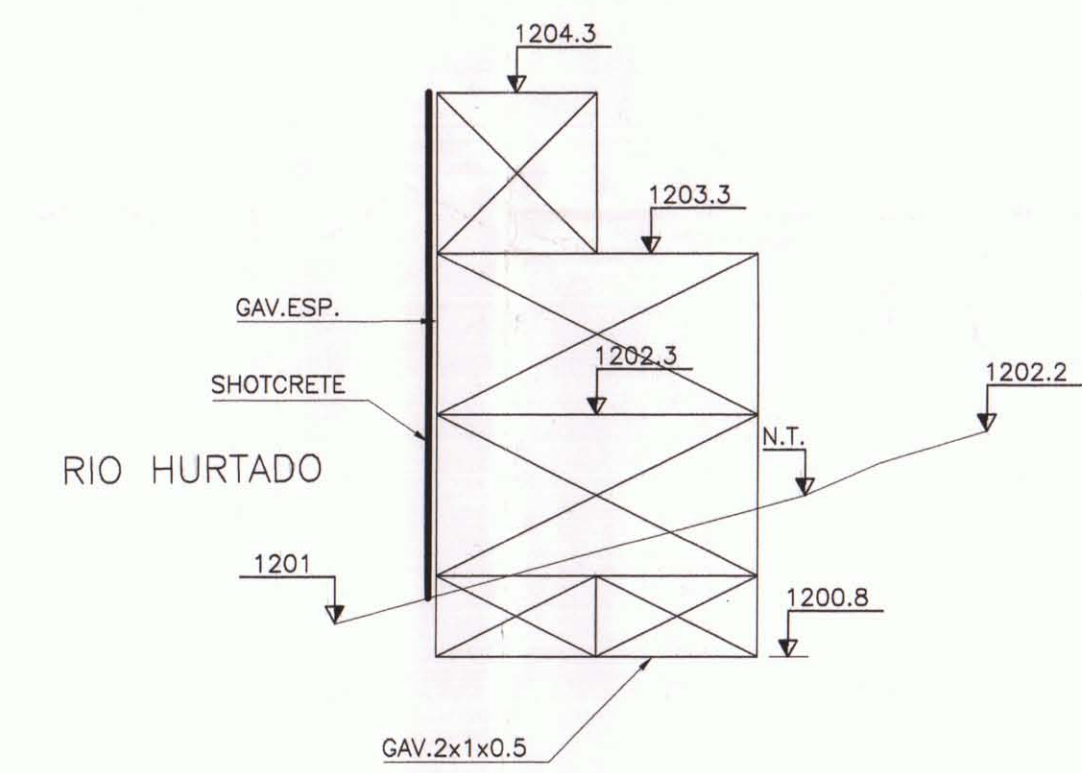
SECCION 2
ESC. 1:50 30-1/2



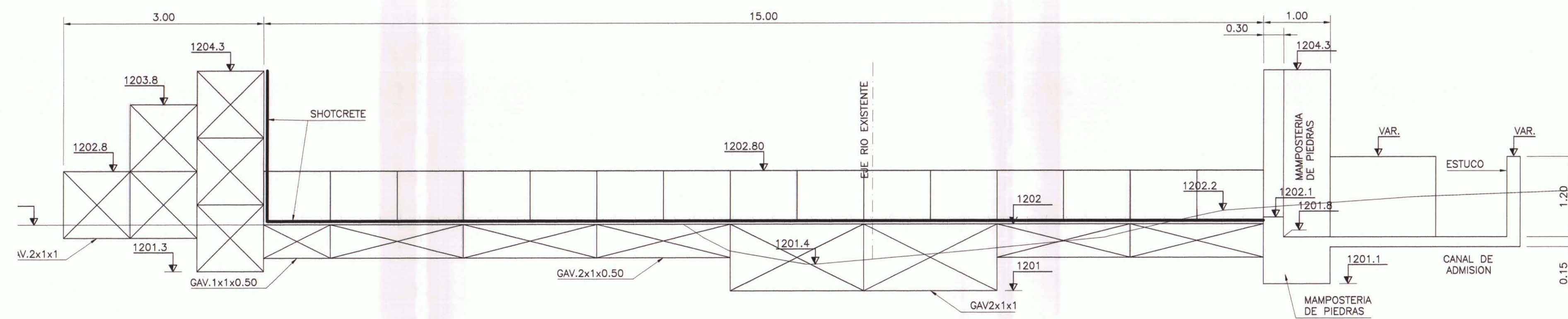
SECCION 3
ESC. 1:50 30-1/2



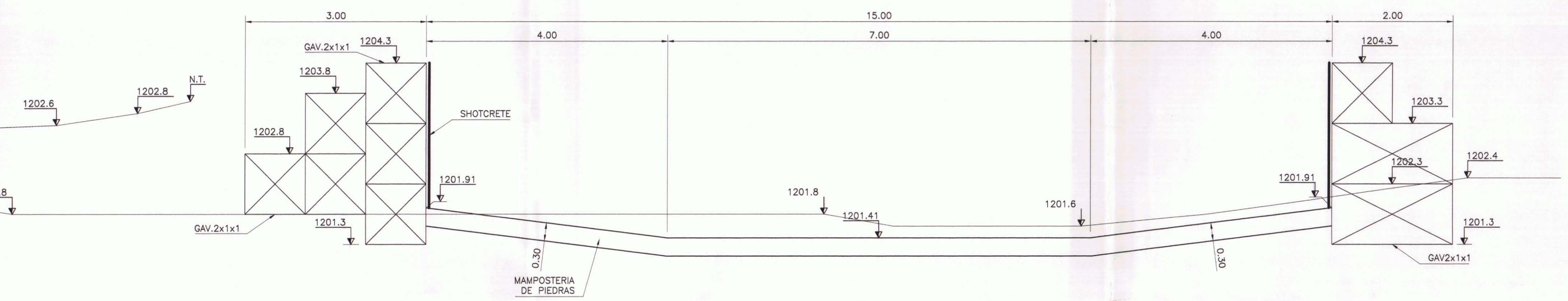
SECCION 8
ESC. 1:50 30-1/2



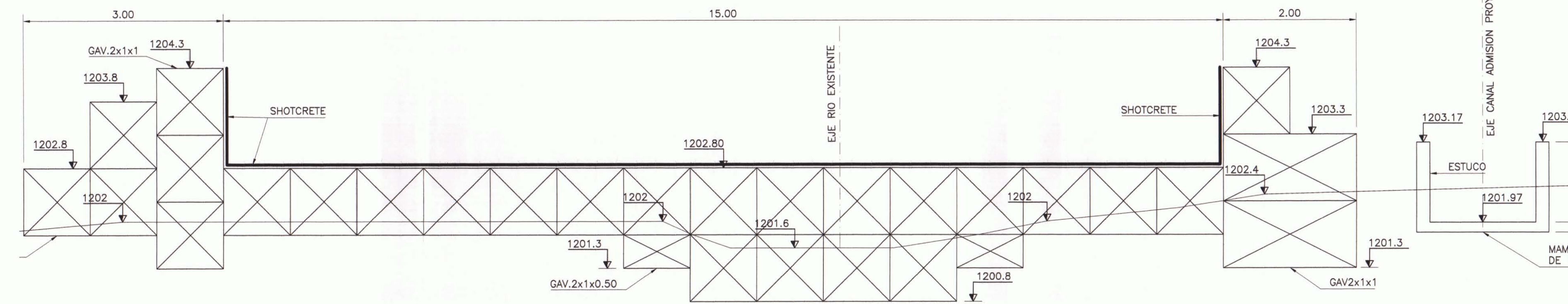
SECCION 4
ESC. 1:50 30-1/2



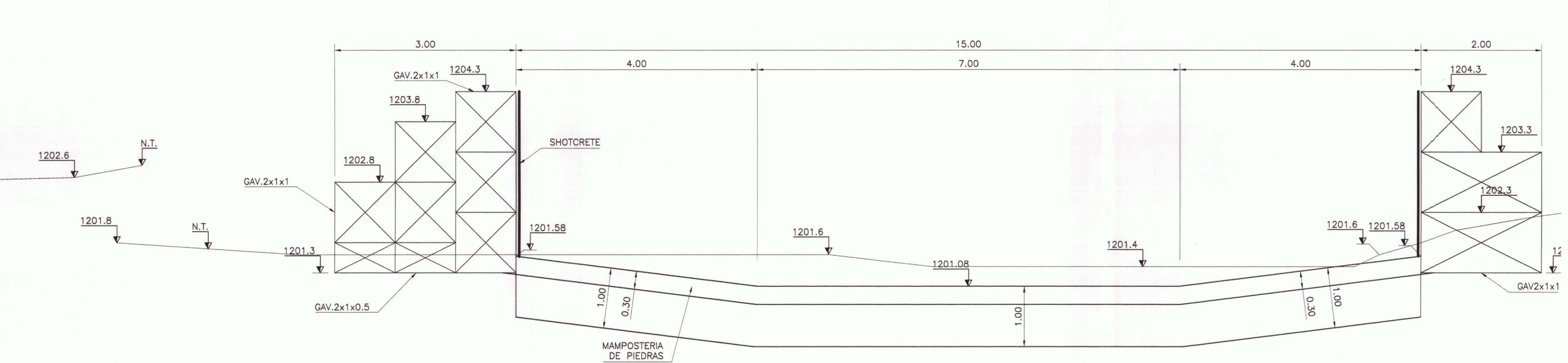
SECCION 6
ESC. 1:50 30-1/2



SECCION 5
ESC. 1:50 30-1/2



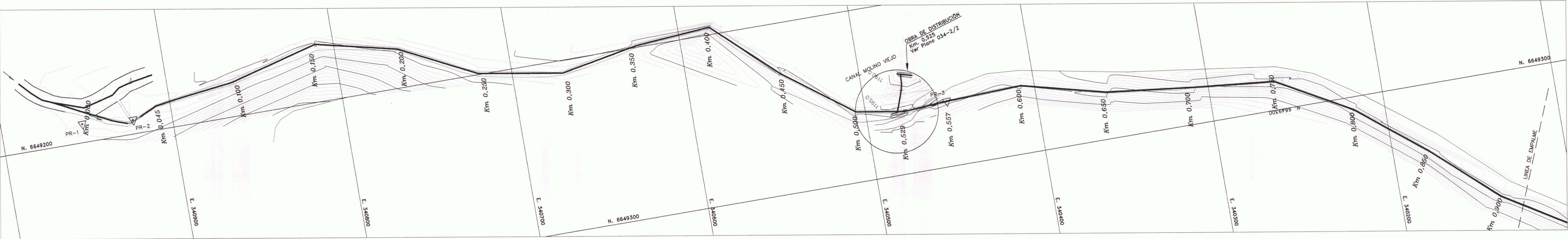
SECCION J
ESC. 1:50 30-1/2



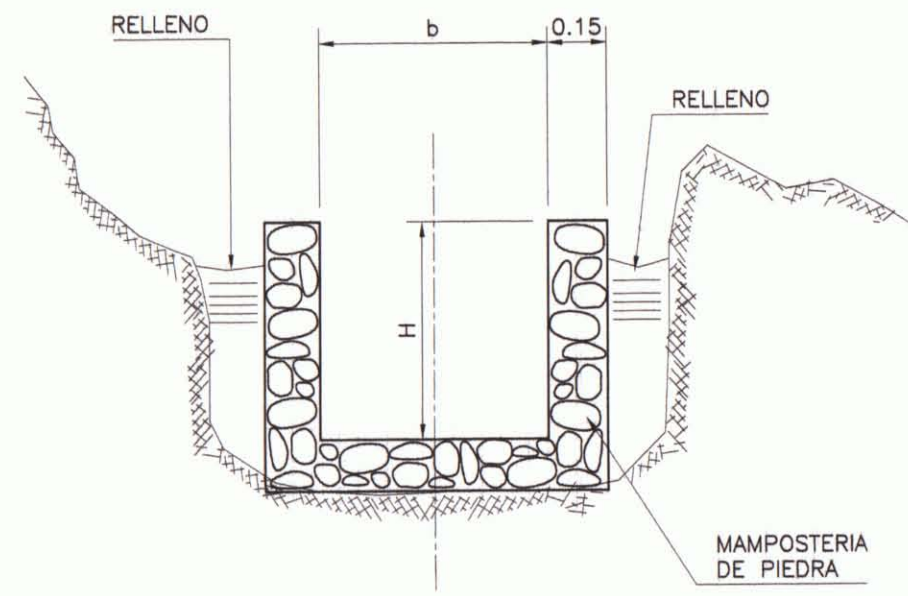
SECCION 7
ESC. 1:50 30-1/2

UNIFICACION LA PARTERA-CANAL LA PARTERA

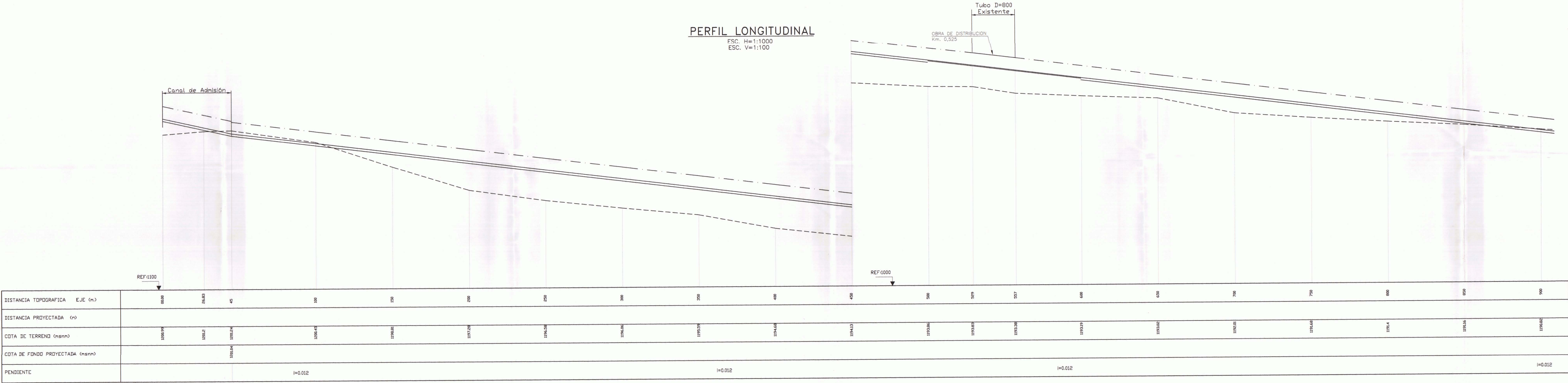
PLANTA
ESC. 1:1000



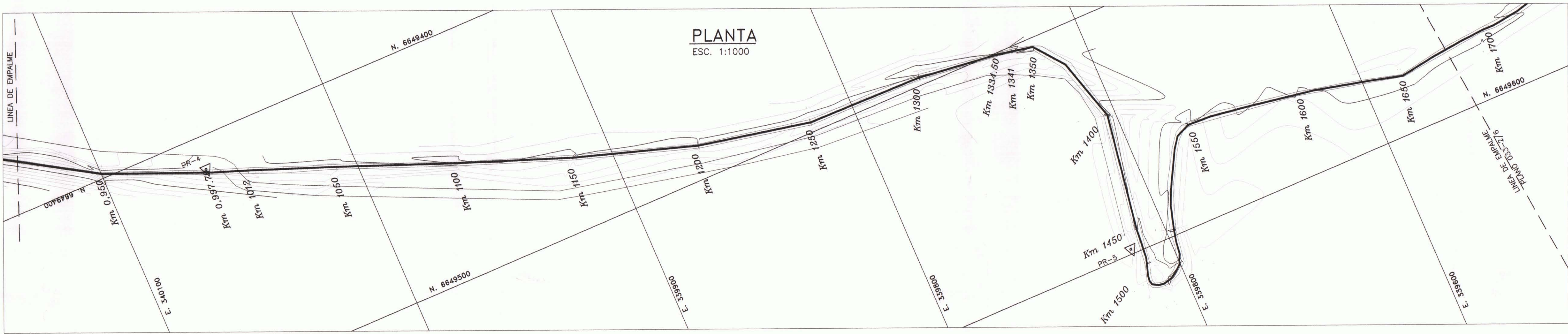
SECCION TIPO
S/E



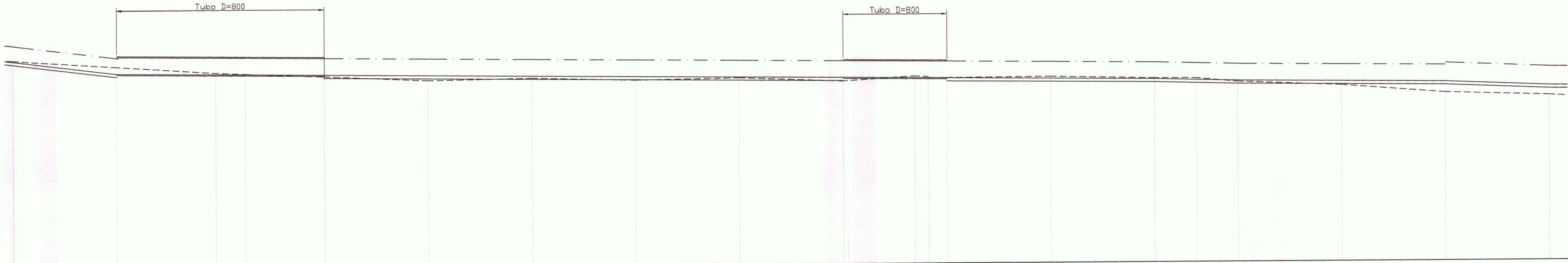
PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



PLANTA
ESC. 1:1000



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



CUADRO DE SECCIONES

TRAMO Km	SECCION		OBS.
	D(m)	H(m)	
0.000	0.529	0.80	0.75
0.529	0.557	D=800	D=800 existente
0.557	0.997	0.80	0.75
0.997	1.050	D=800	D=800 existente
1.050	1.334	0.90	0.80
1.334	1.350	D=800	D=800
1.350	1.650	0.90	0.80
1.650	2.084	1.00	0.90

CUADRO COORDENADAS DE PR

PR	NORTE	ESTE
1	6649189.24	340952.78
2	6649191.89	340922.93
3	6649261.96	340452.10
4	6649413.54	340058.91
5	6649597.91	339716.51

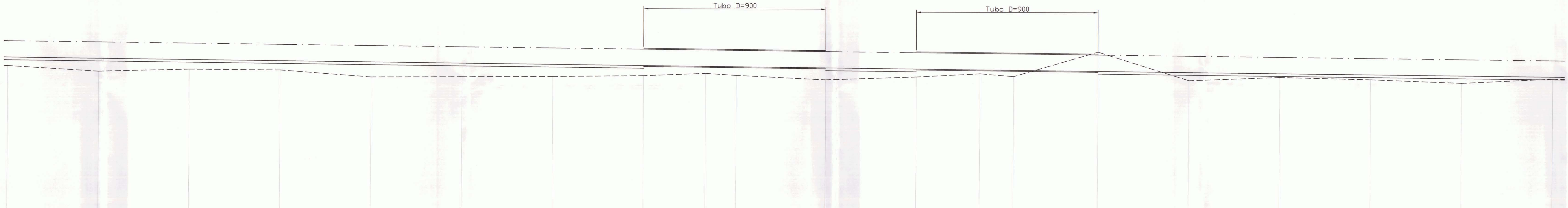
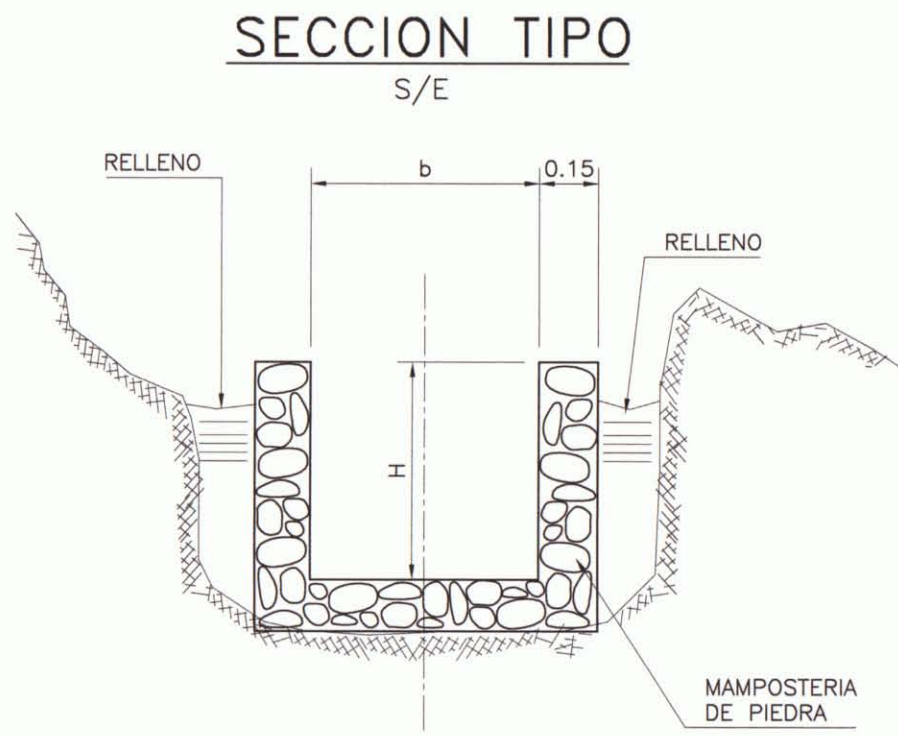
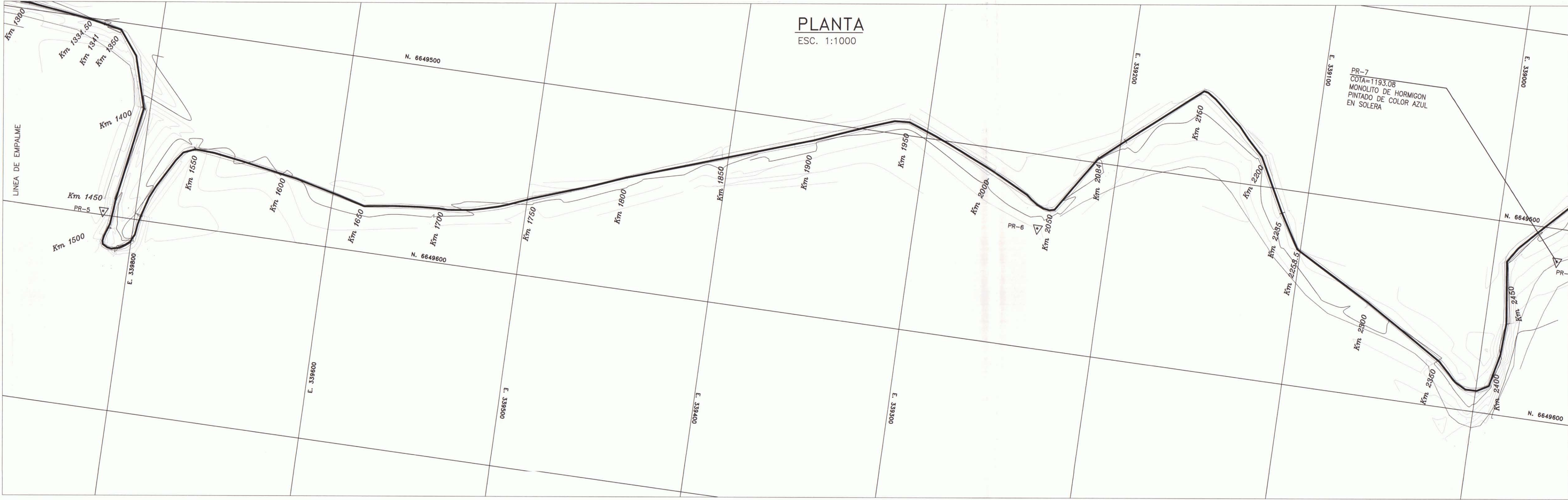
SIMBOLOGIA

CURVA INDICE	250	CERDOS	---
CURVA INTERMEDIA		CAM. PAVIMENTADO	---
CAM. TIERRA		RIOS-ESTEROS	---
VERTICE CANAL, PROY. VO		COTA FONDO PROY. C.F.P.	---
EJE PROYECTO		PROYECTO	---
TERRENO		BORDE CANAL	---

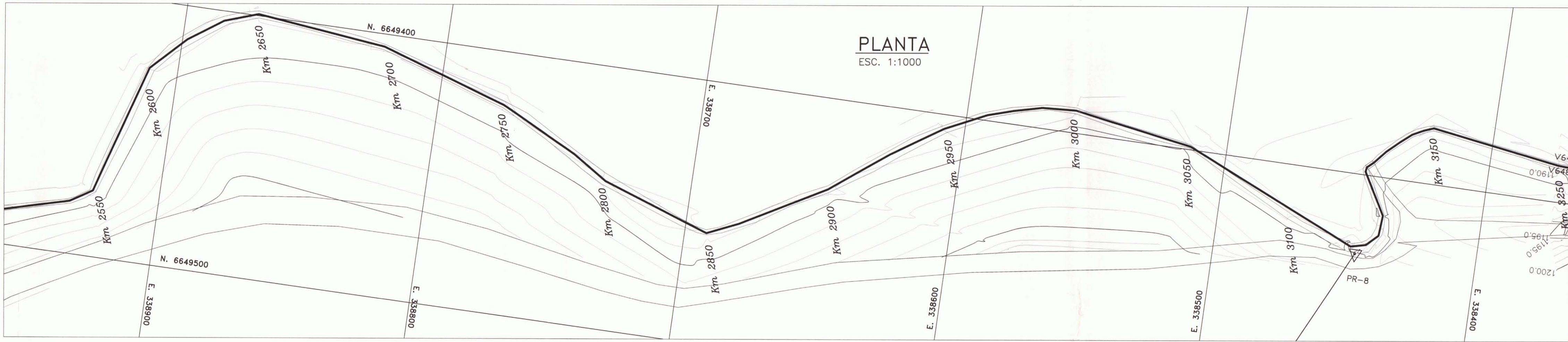
NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAPOSTERIA DE PIEDRAS

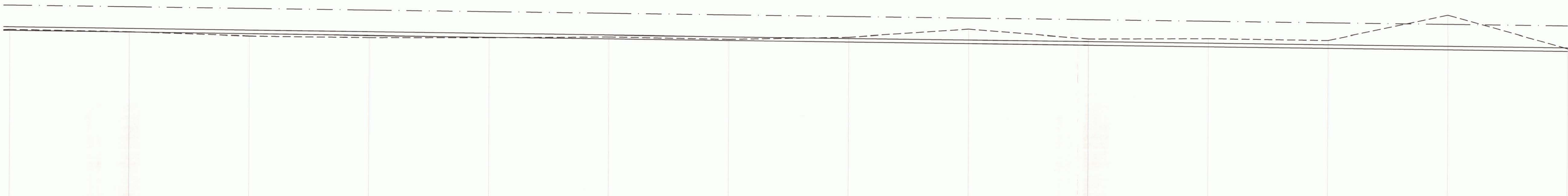
UNIFICACION LA PATERA – CANAL LA PATERA



DISTANCIA TOPOGRAFICA EJE (m.)	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100
DISTANCIA PROYECTADA (m)																													
COTA DE TERRENO (msnm)	1188.46	1188.25	1188.62	1188.62	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25	1188.25
COTA DE FONDO PROYECTADA (msnm)	1189.46																												
PENDIENTE		I=0.001					I=0.001					I=0.001					I=0.001					I=0.001							



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



DISTANCIA TOPOGRAFICA EJE (m.)	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300
DISTANCIA PROYECTADA (m)																
COTA DE TERRENO (msnm)	1188.26	1188.24	1188.26	1188.25	1188.26	1188.11	1188.22	1188.32	1188.47	1188.29	1188.32	1188.26	1188.26	1188.11	1188.74	1188.74
COTA DE FONDO PROYECTADA (msnm)																
PENDIENTE		I=0.001					I=0.001					I=0.001				

CUADRO DE SECCIONES

TRAMO Km	SECCION B(m) H(m)	OBS.
1.650	2.084 1.00 0.90	
2.084	2.150 D=900 D=900	
2.150	2.235 1.00 0.90	
2.235	2.300 D=900 D=900	
2.300	3.260 1.00 0.90	
3.260	5.713 0.80 0.75	

CUADRO COORDENADAS DE PR

PR	NORTE	ESTE
6	6649538.05	339236.44
7	6649516.87	338967.66
8	664930.28	338446.06

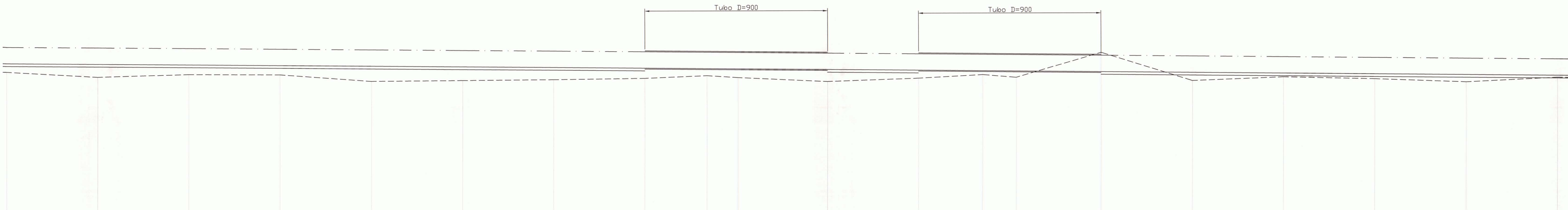
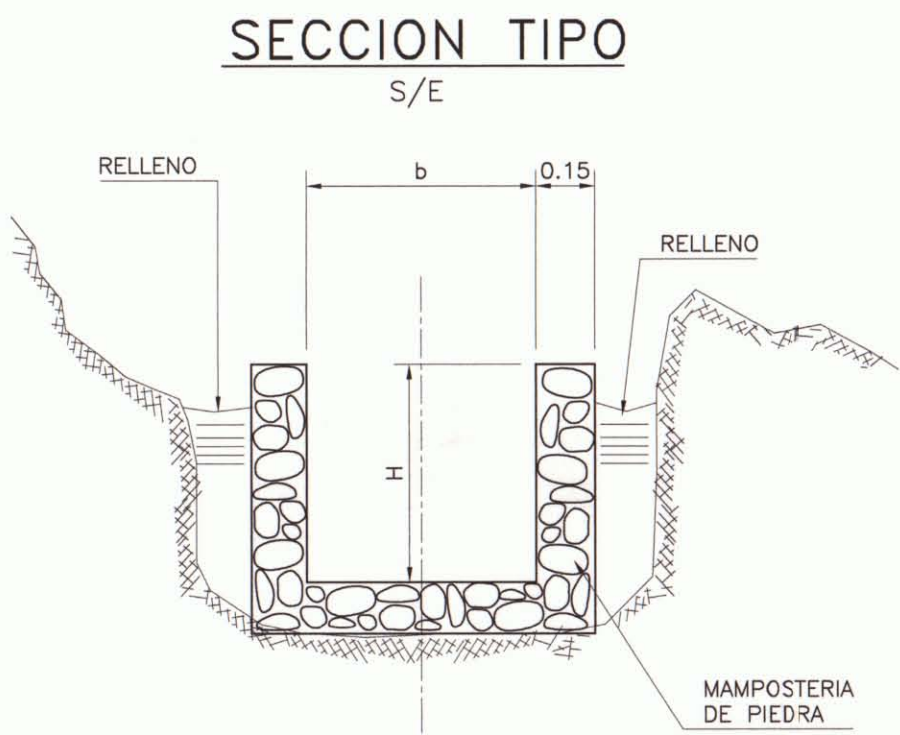
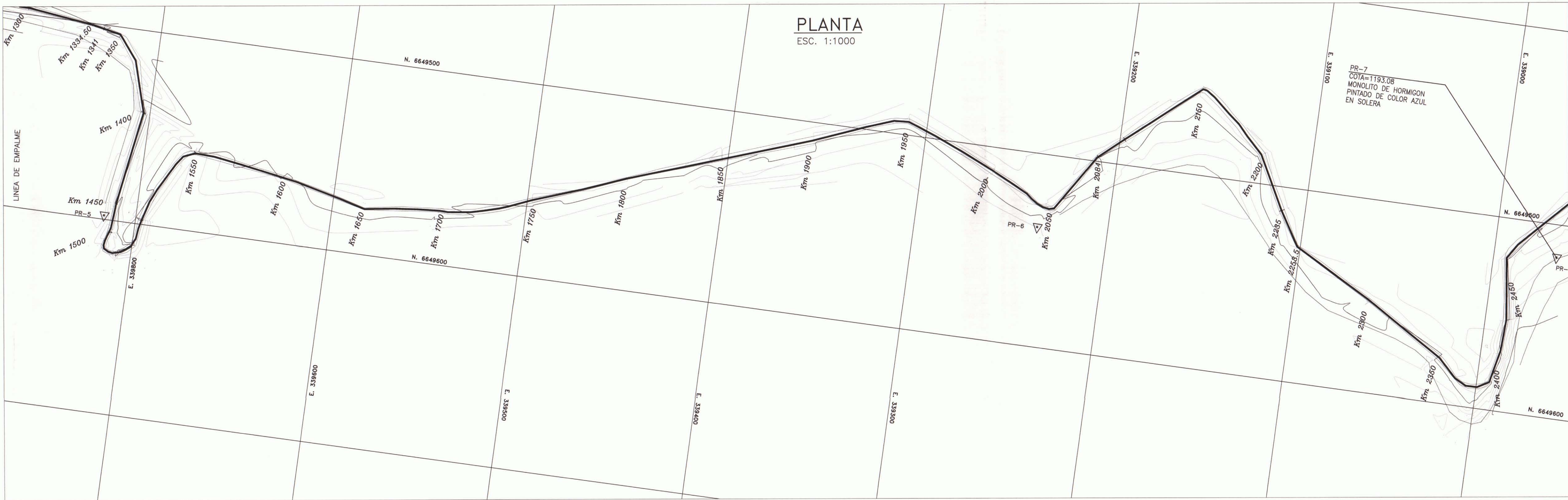
SIMBOLOGIA

CURVA INDICE	250	CERCCOS	-----
CURVA INTERMEDIA	-----	CAM. PAVIMENTADO	=====
CAM. TIERRA	-----	RIOS-ESTEROS	~~~~~
VERTICE CANAL PROJ. VO	-----	COTA FONDO PROJ. C.F.P.	-----
EJE PROYECTO	-----	PROYECTO	-----
TERRENO	-----	BORDE CANAL	-----

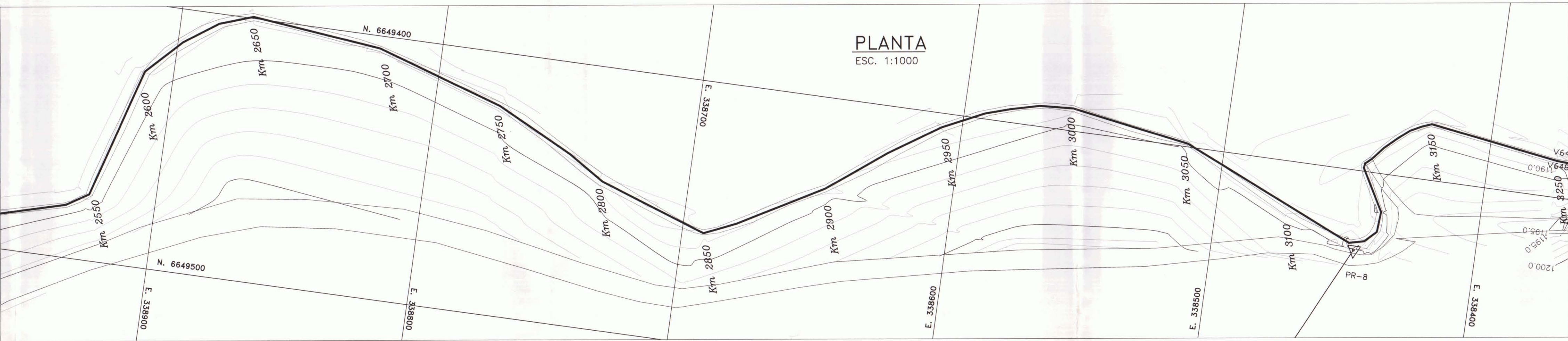
NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAESTRERIA DE PIEDRAS

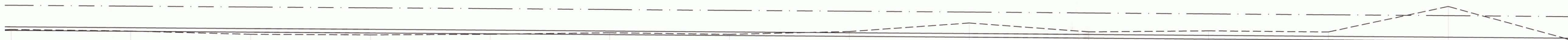
UNIFICACION LA PATERA – CANAL LA PATERA



DISTANCIA TOPOGRAFICA EJE (m)	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500
DISTANCIA PROYECTADA (m)																	
COTA DE TERRENO (msnm)	1188.81	1188.52	1188.42	1188.42	1188.25	1188.26	1188.37	1188.21	1188.4	1188.57	1188.34	1188.32	1188.36	1189.1	1188.58	1188.56	1188.31
COTA DE FONDO PROYECTADA (msnm)	1189.46																
PENDIENTE		I=0.001					I=0.001					I=0.001					



PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



CUADRO DE SECCIONES

TRAMO Km	SECCION		OBS.
	B(m)	H(m)	
1.650	2.084	1.00	0.90
2.084	2.150	D=900	D=900
2.150	2.235	1.00	0.90
2.235	2.300	D=900	D=900
2.300	3.260	1.00	0.90
3.260	5.713	0.80	0.75

CUADRO COORDENADAS DE PR

PR	NORTE	ESTE
6	6649538.05	339236.44
7	6649516.87	338967.66
8	664930.28	338444.06

SIMBOLOGIA

CURVA INDOCE -250-	CERCOS
CURVA INTERMEDIA	CAM. PAVIMENTADO
CAM. TIERRA	RISOS-ESTEROS
VERTICE CANAL PROY. VO	COTA FONDO PROY. C.F.P.
EJE PROYECTO	PROYECTO
TERRENO	BORDE CANAL

NOTAS GENERALES:

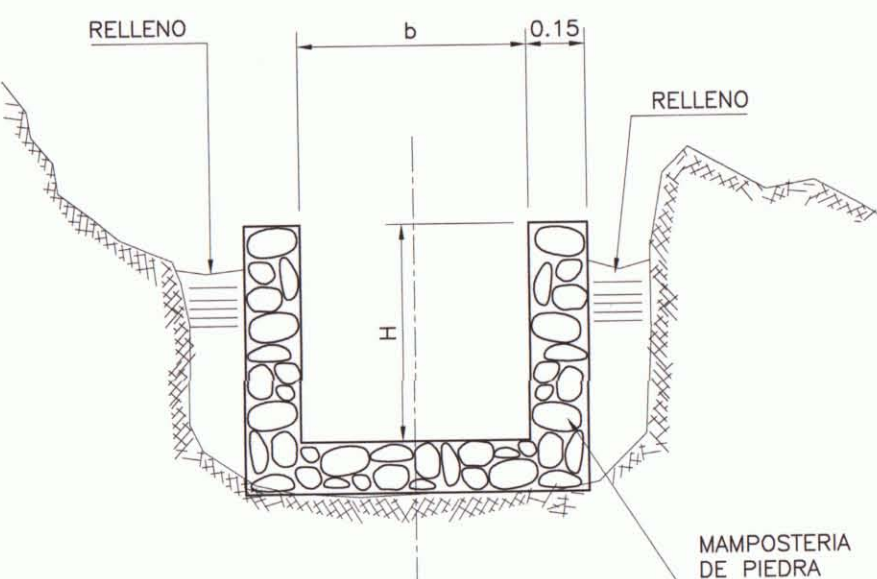
- TODAS LAS OBRAS SON DE MAESTRERIA DE PIEDRAS

UNIFICACION LA PARTERA – CANAL LA PARTERA

CUADRO DE DESARROLLO DE CURVAS Y VERTICES

VERTICE	COORDENADAS				ANGULO	RADIO	TANGENTE	DESARROLLO	CURVA	
	NORTE	ESTE	ALT.	OT.					INICIO	FIN
711	33774.22	664930.17	9251.43	8.81	2.5	0.17	0.35	9251.43	9251.43	9251.43
712	33773.14	664930.82	9250.51	20.54	2.5	0.17	0.41	9250.51	9250.51	9250.51
713	33772.30	664931.43	9249.86	-4.25	2.5	0.17	0.46	9249.86	9249.86	9249.86
714	33769.64	664931.74	9249.08	4.07	0.0	0.00	0.00	9249.08	9249.08	9249.08
715	33769.84	664931.51	9249.07	-16.54	2.5	0.35	0.65	9249.07	9249.07	9249.07
716	33768.54	664931.52	9249.05	5.21	0.0	0.00	0.00	9249.05	9249.05	9249.05
717	33765.44	664931.52	9248.84	19.87	2.5	0.35	0.76	9248.84	9248.84	9248.84
718	33766.48	664931.18	9248.81	0.65	0.0	0.00	0.00	9248.81	9248.81	9248.81
719	33767.26	664931.94	9248.81	17.32	2.5	0.35	0.46	9248.81	9248.81	9248.81
720	33768.62	664931.98	9248.82	6.18	0.0	0.00	0.00	9248.82	9248.82	9248.82
721	33769.22	664931.70	9248.40	-19.07	2.5	0.35	0.65	9248.40	9248.40	9248.40
722	33769.81	664931.72	9248.08	26.37	2.5	0.32	0.83	9248.08	9248.08	9248.08
723	33769.77	664931.76	9248.03	5.00	0.0	0.00	0.00	9248.03	9248.03	9248.03
724	33769.15	664931.94	9247.85	-16.11	2.5	0.37	1.11	9247.85	9247.85	9247.85
725	33768.84	664931.78	9247.85	26.37	2.5	0.32	0.83	9247.85	9247.85	9247.85
726	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
727	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
728	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
729	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
730	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
731	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
732	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
733	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
734	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
735	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
736	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
737	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
738	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
739	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
740	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
741	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
742	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
743	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
744	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
745	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
746	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
747	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
748	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
749	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
750	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
751	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
752	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
753	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
754	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
755	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
756	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
757	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
758	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
759	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
760	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
761	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
762	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
763	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
764	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
765	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
766	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
767	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
768	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
769	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85
770	33768.54	664931.52	9247.85	19.87	2.5	0.35	0.76	9247.85	9247.85	9247.85

SECCION TIPO



CUADRO DE DIMENSIONES

Km.	DIMENSIONES (m)		GRADA (m.)	COTAS FONDO	
	CANAL (m.)	DIAMETRO ENTREGA (mm)		EXIST.	PROY.
	B	H	a		
3.319.972	0.70	0.60	75	0.20	0.70
3.478.504	0.70	0.60	75	0.20	0.70
3.571.983	0.70	0.60	75	0.20	0.70
3.602.869	0.70	0.60	75	0.20	0.70
3.630.120	0.70	0.60	75	0.20	0.70
3.682.067	0.70	0.60	75	0.20	0.70
3.789.860	0.70	0.60	75	0.20	0.70
3.803.611	0.70	0.60	75	0.20	0.70
3.849.026	0.70	0.60	75	0.20	0.70
4.050.108	0.65	0.60	75	0.20	0.75

CUADRO DE SECCIONES

TRAMO Km	SECCION		OBS.
	B(m)	H(m)	
3.260	5.713	0.80	0.75

CUADRO COORDENADAS DE PR

PR	NORTE	ESTE	COTA (m.)
22	6649459.08	338044.67	1189.68

GOBIERNO DE CHILE
MINISTERIO DE AGRICULTURA
COMISION NACIONAL DE RIEGO

CONSULTOR
GCF Ingenieros Ltda.

Nombre Estudio
Estudio de Prefactibilidad Mejoramiento del Sistema de Riego del Rio Hurtado IV Region de Coquimbo

Escala
Proyección Cartográfica

Título Plano
UNIFICACIÓN LA PARTERA CANAL LA PARTERA PLANTA Y PERFIL LONGITUDINAL

Fecha
FEBRERO 2010

Lámina
033-3/6

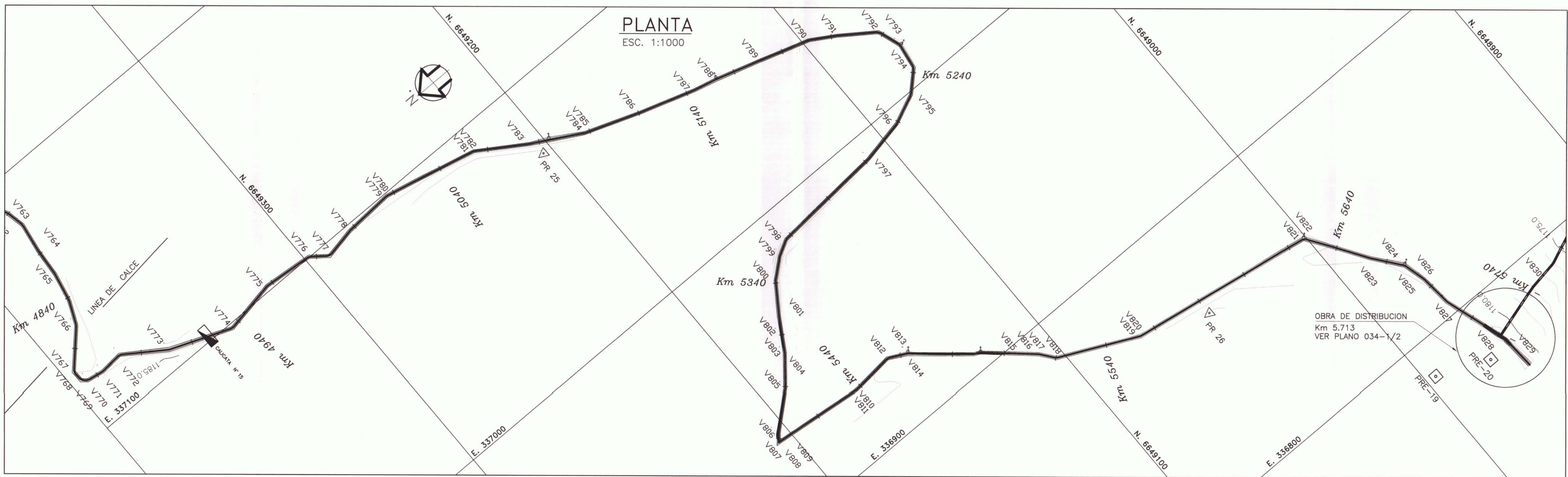
NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAESTRERIA DE PIEDRAS PARA VERTICILES ENTREGAS PREEDIAL VER PLANO N° 033-4/6

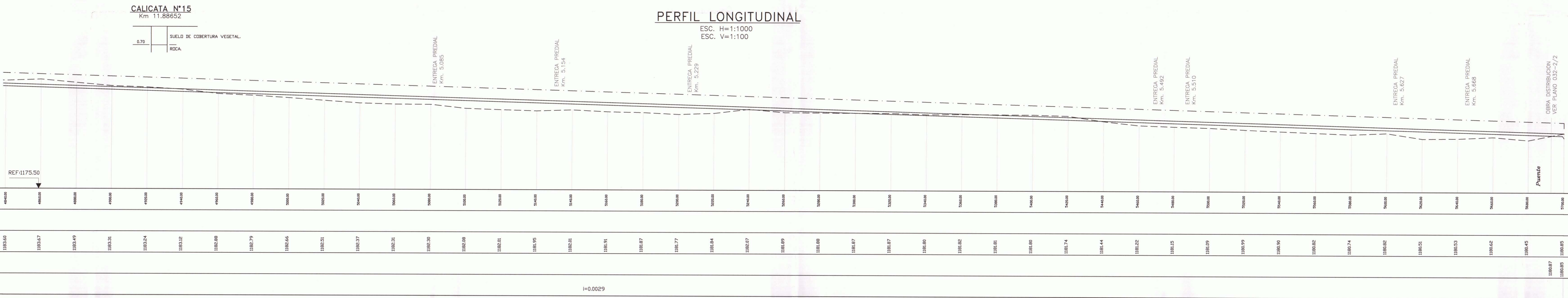
UNIFICACION LA PARTERA - CANAL LA PARTERA

CUADRO DE DESARROLLO DE CURVAS Y VERTICES

VERTICE	COORDENADAS UTM					INICIO	FIN
	EST.	NORTE	VERTICE	ANGULO	RADIO		
771	33717.562	664837.328	10824.78	-16.8	2.3	0.33	6.50
772	33718.377	664837.250	10824.90	43.66	2.5	0.89	1.71
773	33719.210	664836.133	10813.18	-14.5	2.5	0.29	0.51
774	33708.222	664838.336	10138.90	-35.1	2.5	0.71	1.38
775	33710.070	664837.731	10150.85	17.30	2.5	0.34	0.60
776	33710.220	664828.224	10179.44	36.30	2.5	0.75	1.43
777	33720.294	664829.888	10181.47	-54.5	2.5	1.14	2.14
778	33707.729	664827.651	10196.95	8.77	0.0	0.00	0.00
779	33708.844	664826.285	10218.24	17.43	2.5	0.81	0.89
780	33708.748	664829.945	10219.69	0.41	0.0	0.00	0.00
781	33700.440	664823.634	10256.85	22.12	2.5	0.44	0.87
782	33700.211	664822.775	10257.37	-0.26	0.0	0.00	0.00
783	33707.738	664820.300	10278.70	-4.05	0.0	0.00	0.00
784	33708.365	664818.537	10306.14	-0.52	2.5	0.19	0.31
785	33708.291	664816.338	10300.35	-0.63	0.0	0.00	0.00
786	33708.512	664816.725	10323.32	-2.45	0.0	0.00	0.00
787	33703.772	664813.468	10345.62	-4.4	0.0	0.00	0.00
788	33701.638	664813.844	10354.70	3.84	0.0	0.00	0.00
789	33706.238	664811.843	10373.30	0.54	0.0	0.00	0.00
790	33704.191	664807.518	10385.55	15.36	2.5	0.37	0.60
791	33704.444	664808.035	10404.63	4.19	0.0	0.00	0.00
792	33702.511	664803.468	10420.59	40.19	2.5	0.81	1.50
793	33701.614	664807.853	10430.21	30.71	2.5	0.81	1.21
794	33708.183	664807.397	10440.36	41.24	2.5	0.84	1.52
795	33698.808	664806.878	10450.78	70.31	2.5	1.44	2.66
796	33693.881	664802.144	10453.12	14.32	2.5	0.38	0.56
797	33693.475	664801.388	10481.71	-0.80	0.0	0.00	0.00
798	33693.881	664802.144	10483.12	-28.54	2.5	0.57	1.13
799	33693.854	664801.388	10511.71	-1.08	0.0	0.00	0.00
800	33697.743	664806.858	10541.41	-17.84	2.5	0.30	0.68
801	33697.835	664801.855	10548.57	0.54	0.0	0.00	0.00
802	33693.881	664802.144	10562.30	-8.82	0.0	0.00	0.00
803	33694.251	664819.948	10584.40	18.39	0.0	0.00	0.00
804	33694.094	664819.278	10589.59	-4.4	0.0	0.00	0.00
805	33694.804	664819.517	10595.90	12.50	0.0	0.00	0.00
806	33692.513	664820.298	10600.71	2.34	0.0	0.00	0.00
807	33693.861	664820.138	10601.86	-2.58	0.0	0.00	0.00
808	33692.517	664820.415	10604.15	-100.00	0.0	0.00	0.00
809	33692.243	664820.347	10606.63	0.00	0.0	0.00	0.00
810	33693.625	664817.416	10633.36	-6.46	0.0	0.00	0.00
811	33692.620	664818.907	10638.87	-8.46	0.0	0.00	0.00
812	33692.195	664815.081	10658.76	30.41	2.5	0.72	1.40
813	33692.588	664814.966	10664.74	16.08	2.5	0.32	0.63
814	33692.385	664814.727	10665.05	1.12	0.0	0.00	0.00
815	33688.827	664814.038	10708.41	1.90	0.0	0.00	0.00
816	33688.501	664813.274	10712.12	11.84	2.5	0.33	0.46
817	33688.802	664810.334	10715.42	0.08	0.0	0.00	0.00
818	33688.501	664810.024	10715.12	-28.87	2.5	0.58	1.17
819	33687.071	664807.282	10725.64	-18.08	2.5	0.36	0.71
820	33687.071	664807.282	10725.64	-18.08	2.5	0.36	0.71
821	33689.368	664800.875	10809.69	50.04	2.5	0.90	1.68
822	33688.497	664800.270	10820.77	0.41	0.0	0.00	0.00
823	33687.071	664800.075	10840.45	-0.16	0.0	0.00	0.00
824	33683.493	664807.734	10880.52	26.49	2.5	0.53	1.04
825	33681.760	664807.443	10871.15	9.79	2.5	0.19	0.36
826	33683.294	664807.247	10880.47	-13.42	2.5	0.26	0.53
827	33683.243	664807.160	10880.71	0.27	0.0	0.00	0.00
828	33673.208	664807.305	10913.61	44.44	0.0	0.00	0.00
829	33673.185	664804.431	10918.76	-109.00	0.0	0.00	0.00
830	33678.318	664803.420	10945.83	-7.08	0.0	0.00	0.00

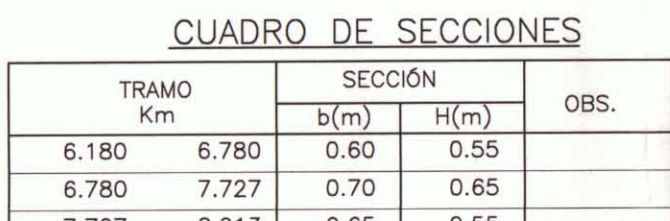
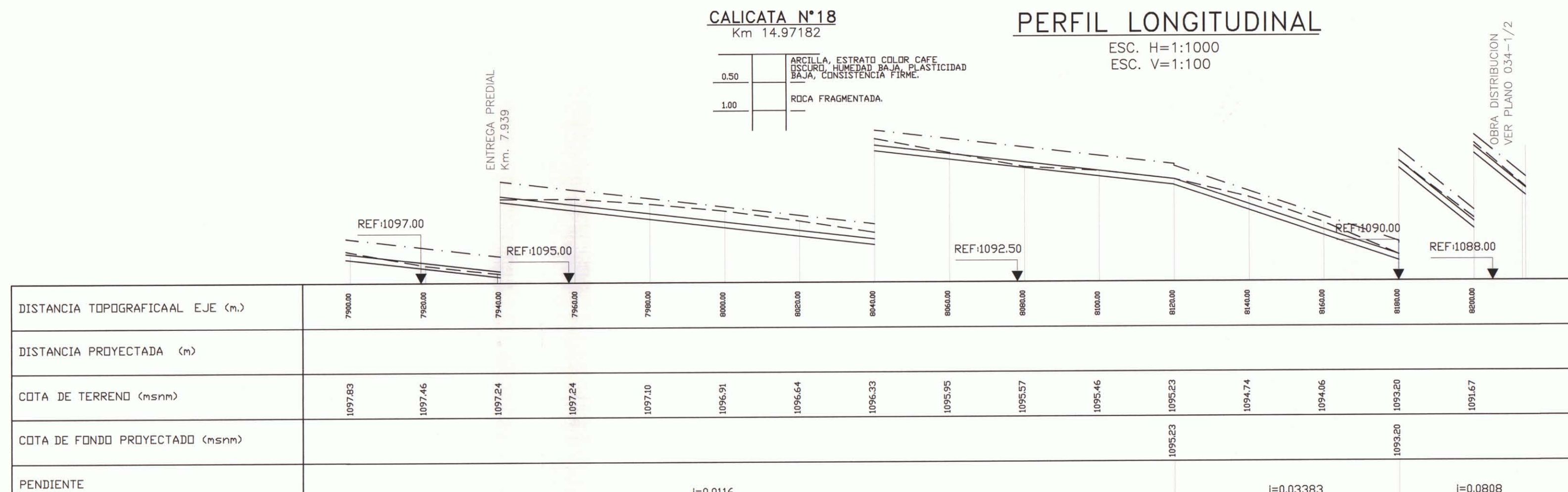
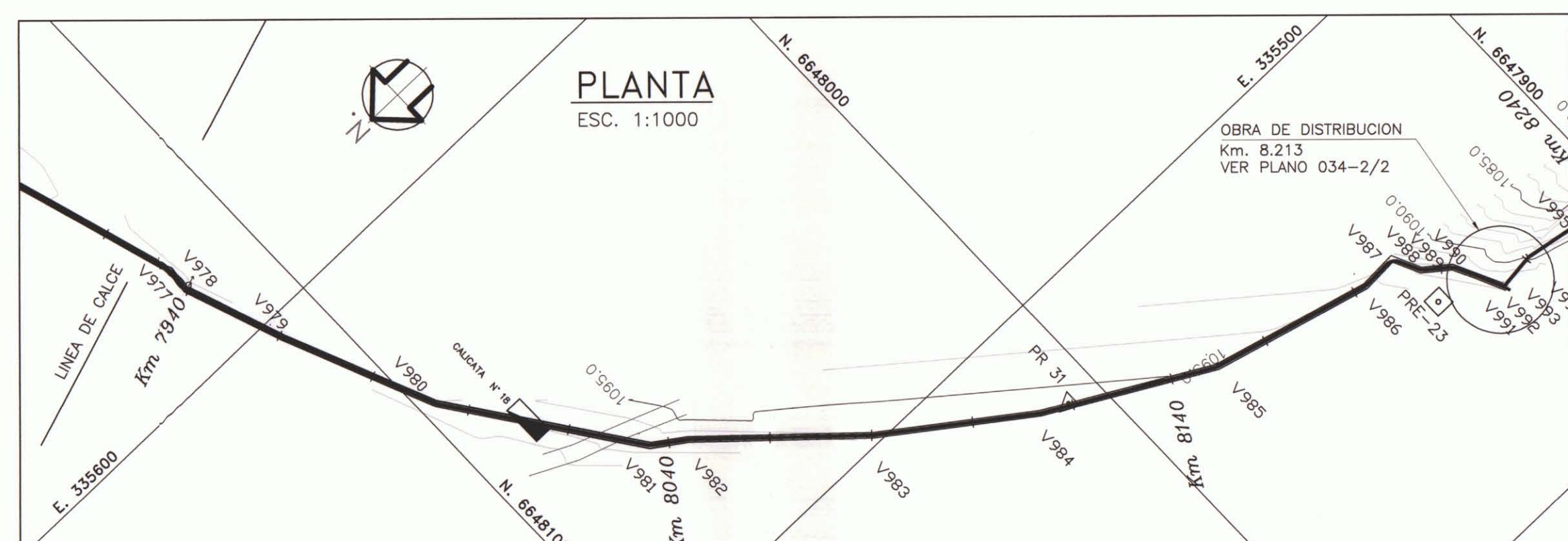
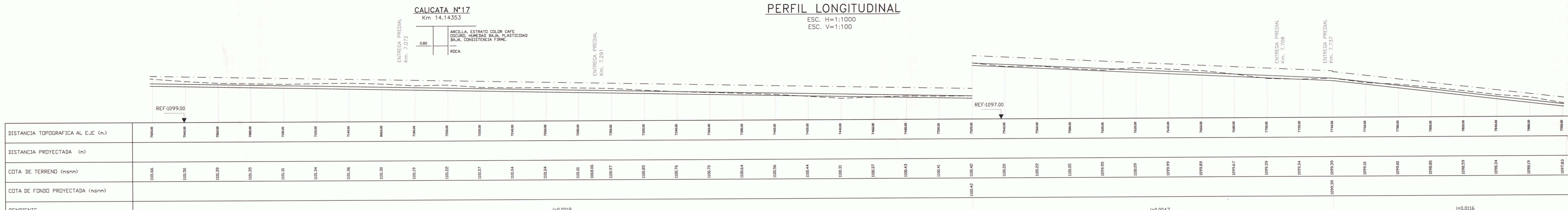
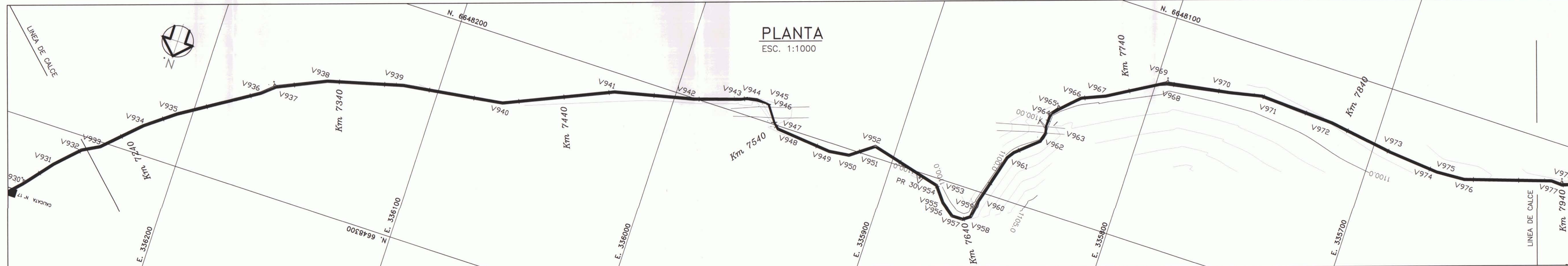
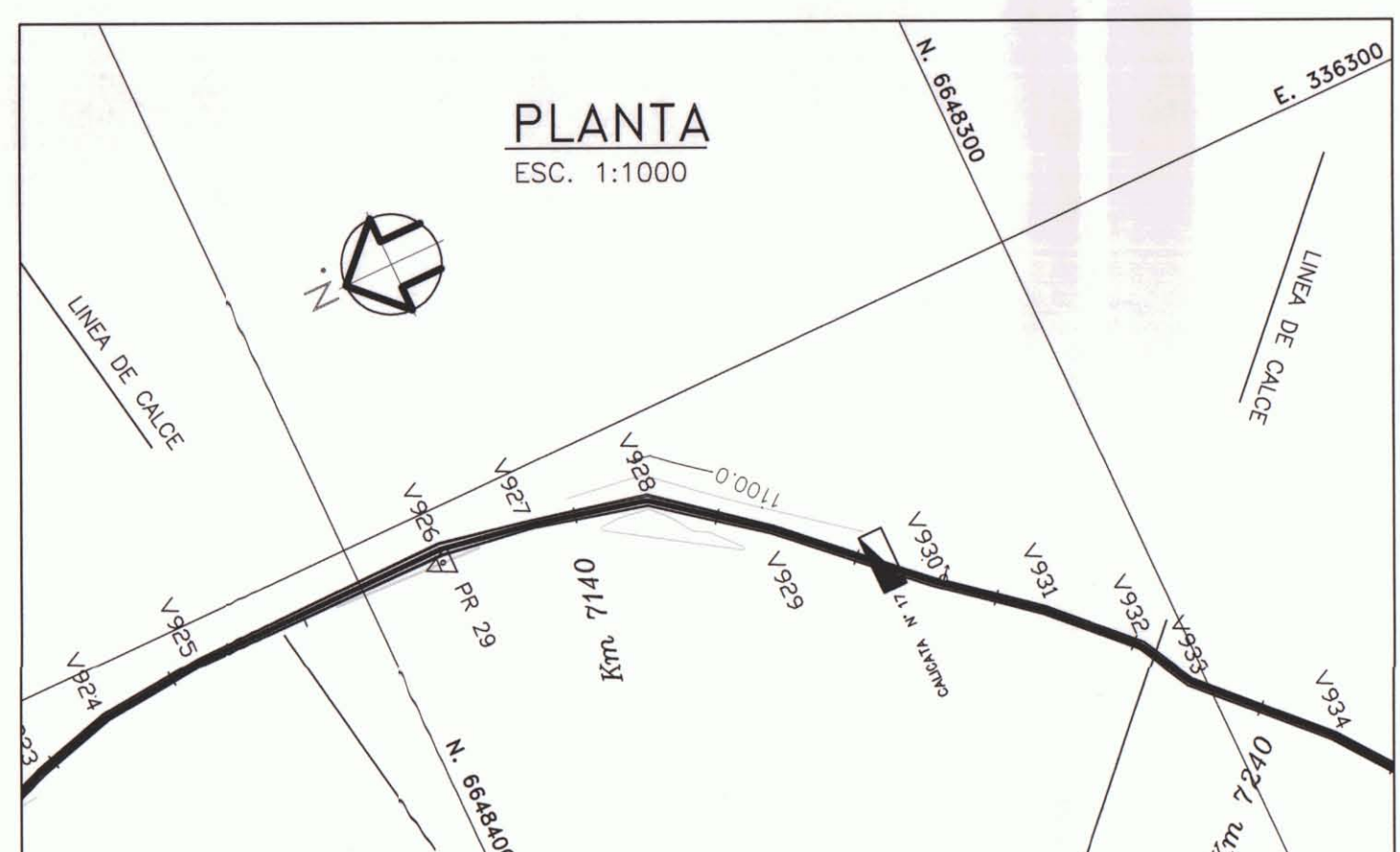
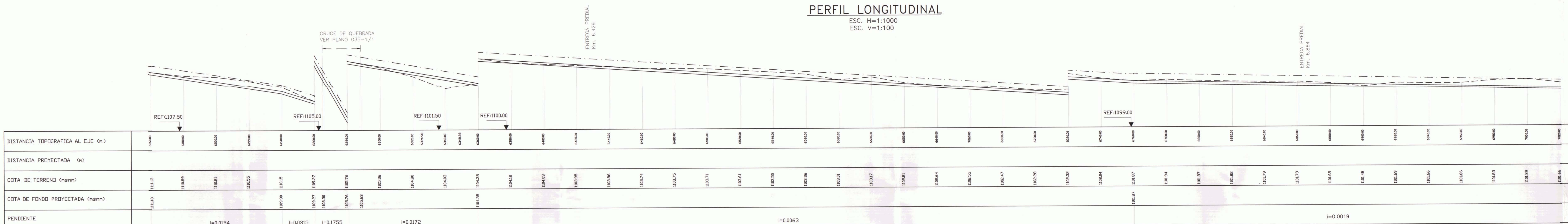
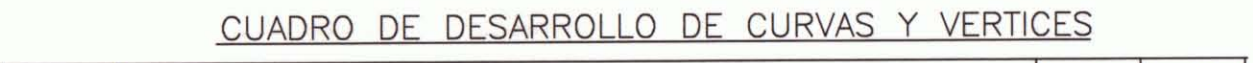
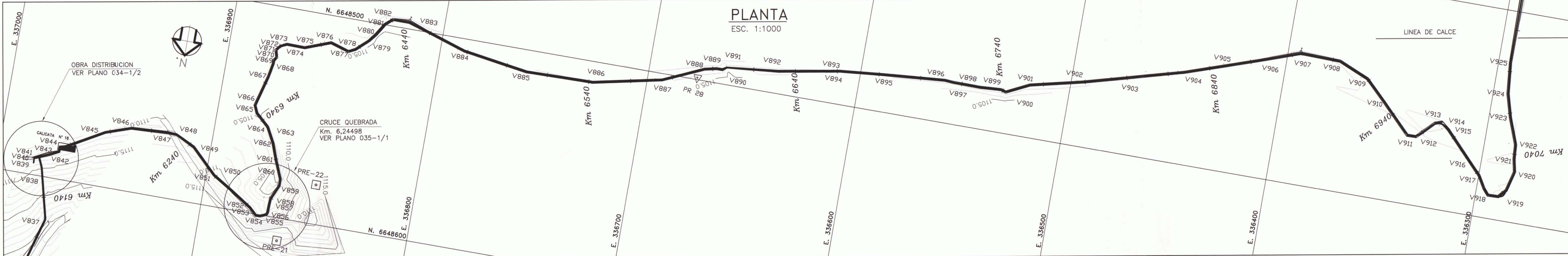


PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100



DISTANCIA TOPOGRAFICA	EJE (m)
48400	1185.60
48450	1185.67
48500	1185.69
48550	1185.72
48600	1185.74
48650	1185.77
48700	1185.79
48750	1185.82
48800	1185.85
48850	1185.87
48900	1185.89
48950	1185.91
49000	1185.93
49050	1185.95
49100	1185.97
49150	1186.00
49200	1186.02
49250	1186.04
49300	1186.07
49350	1186.09
49400	1186.11
49450	1186.13
49500	1186.15
49550	1186.17
49600	1186.19
49650	1186.21
49700	1186.23
49750	1186.25
49800	1186.27
49850	1186.29
49900	1186.31
49950	1186.33
50000	1186.35
50050	1186.37
50100	1186.39
50150	1186.41
50200	1186.43
50250	1186.45
50300	1186.47
50350	1186.49
50400	1186.51
50450	1186.53
50500	1186.55
50550	1186.57
50600	1186.59
50650	1186.61
50700	1186.63
50750	1186.65
50800	1186.67
50850	1186.69
50900	1186.71
50950	1186.73
51000	1186.75
51050	1186.77
51100	1186.79
51150	1186.81
51200	1186.83
51250	1186.85
51300	1186.87
51350	1186.89
51400	1186.91
51450	1186.93
51500	1186.95
51550	1186.97
51600	1186.99
51650	1187.01
51700	1187.03
51750	1187.05
51800	1187.07
51850	1187.09
51900	1187.11
51950	1187.13
52000	1187.15
52050	1187.17
52100	1187.19
52150	1187.21
52200	1187.23
52250	1187.25
52300	1187.27
52350	1187.29
52400	1187.31
52450	1187.33
52500	1187.35
52550	1187.37
52600	1187.39
52650	1187.41
52700	1187.43
52750	1187.45
52800	1187.47
52850	1187.49
52900	1187.51
52950	1187.53
53000	1187.55
53050	1187.57
53100	1187.59
53150	1187.61
53200	1187.63
53250	1187.65
53300	1187.67
53350	1187.69
53400	1187.71
53450	1187.73
53500	1187.75
53550	1187.77
53600	1187.79
53650	1187.81
53700	1187.83
53750	1187.85
53800	1187.87
53850	1187.89
53900	1187.91
53950	1187.93
54000	1187.95
54050	1187.97
54100	1187.99
54150	1188.01
54200	1188.03
54250	1188.05
54300	1188.07
54350	1188.09
54400	1188.11
54450	1188.13
54500	1188.15
54550	1188.17
54600	1188.19
54650	1188.21
54700	1188.23
54750	1188.25
54800	1188.27
54850	1188.29
54900	1188.31
54950	1188.33
55000	1188.35
55050	1188.37
55100	1188.39
55150	1188.41
55200	1188.43
55250	1188.45
55300	1188.47
55350	1188.49
55400	1188.51
55450	1188.53
55500	1188.55
55550	1188.57
55600	1188.59
55650	1188.61
55700	1188.63
55750	1188.65
55800	1188.67
55850	1188.69
55900	1188.71
55950	1188.73
56000	1188.75
56050	1188.77
56100	1188.79
56150	1188.81
56200	1188.83
56250	1188.85
56300	1188.87
56350	1188.89
56400	1188.91
56450	1188.93
56500	1188.95
56550	1188.97
56600	1188.99
56650	1189.01
56700	1189.03
56750	1189.05
56800	1189.07
56850	1189.09
56900	1189.11
56950	1189.13
57000	1189.15
57050	1189.17
57100	1189.19
57150	1189.21
57200	1189.23
57250	1189.25
57300	1189.27
57350	1189.29
57400	1189.31
57450	1189.33
57500	1189.35
57550	1189.37
57600	1189.39
57650	1189.41
57700	1189.43
57750	1189.45
57800	1189.47
57850	1189.49
57900	1189.51
57950	1189.53
58000	1189.55
58050	1189.57
58100	1189.5

UNIFICACION LA PARTERA - CANAL LOS PERALES



	PRE	NORTE (m)	ESTE (m)	COTA (m.s.n.m.)
21	6648610,80		336861,38	1116,68
22	66484581,16		336847,32	1114,66
23	66483061,16		336833,26	1112,64



	PR	NORTE	ESTE	CO
28		6648499.09	336676.55	11
29		6648388.38	336292.69	11
30		6648202.26	335886.19	11
31		6648006.79	335479.95	10

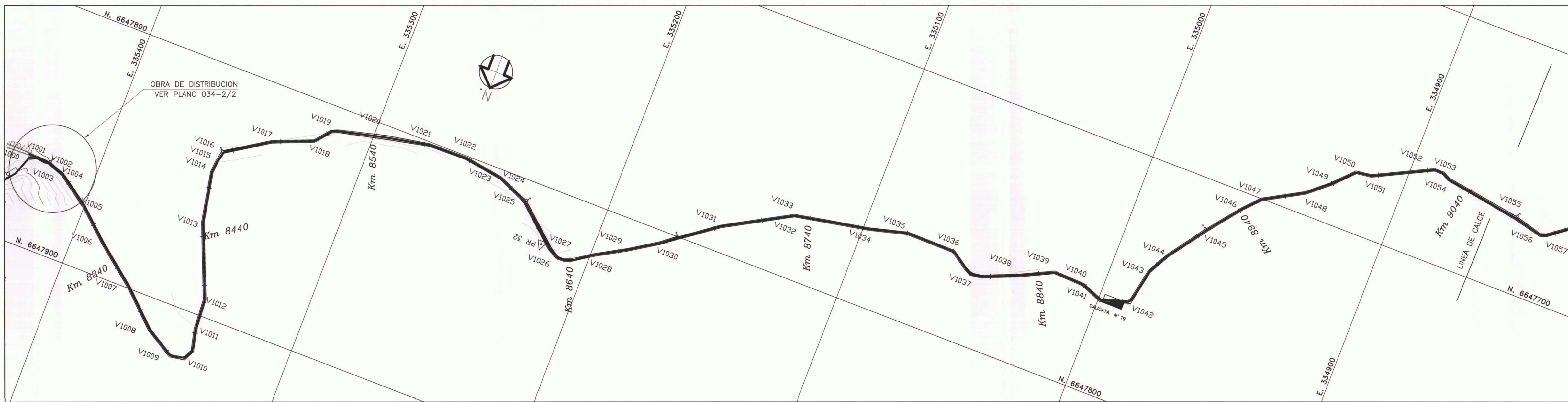
NOTAS GENERALES

- TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRA

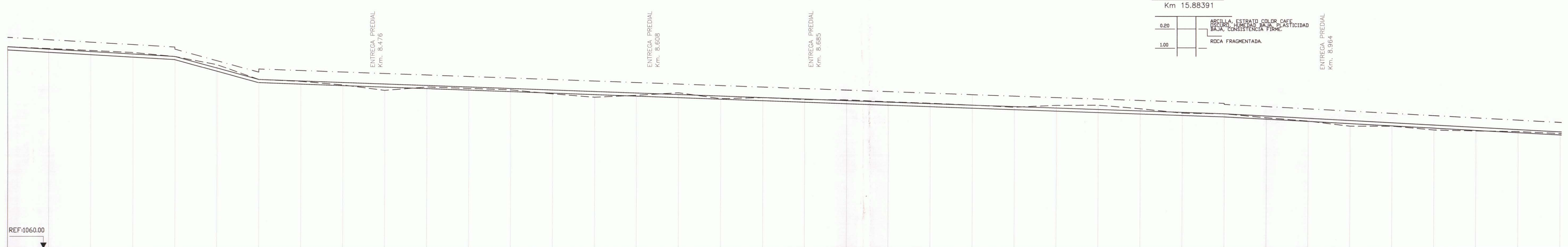
SIMBOLOGIA	
CURVA INDICE 	CERCOS 
CURVA INTERMEDIA 	CAM. PAVIMENTADO 
CAM. TIERRA 	RIOS-ESTEROS 
VERTICE CANAL. PROY. VO 	COTA FONDO PROY. C.F.P. 
EJE PROYECTO 	PROYECTO 

UNIFICACION LA PARTERA – CANAL LOS LEONES

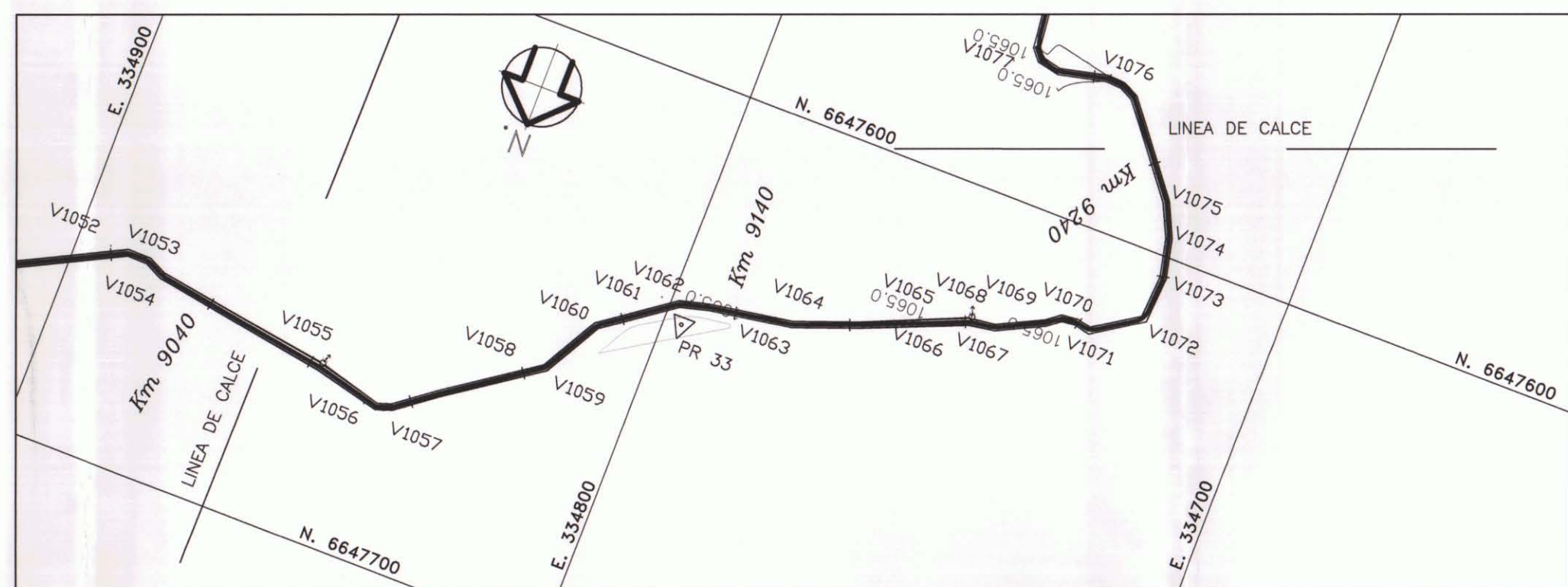
PLANTA
ESC. 1:1000



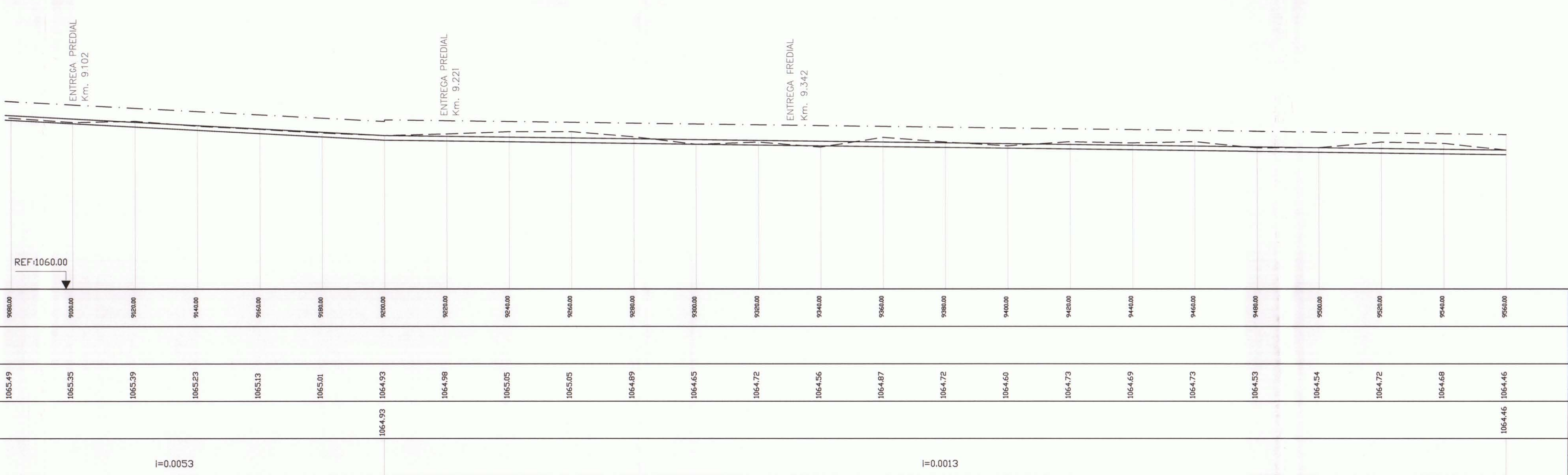
PERFIL LONGITUDINAL
ESC. H=1:1000
ESC. V=1:100

[illegible]

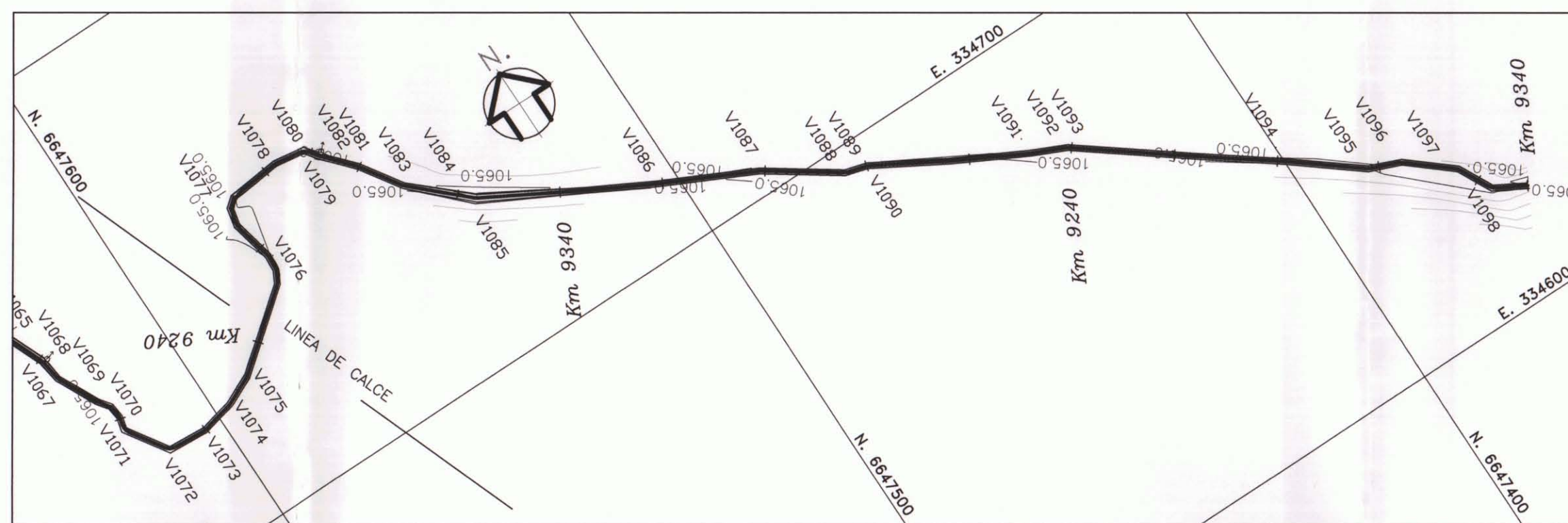
PLANTA
ESC. 1:1000



PERFIL LONGITUDINAL



PLANTA
ESC. 1:1000



CUADRO DE DIMENSIONES
ENTREGAS PREDIALES

K.m.	DIMENSIONES(m)					EXIST.	PROY.	
	CANAL (m.)		DIAMETRO ENTREGA (mm.)	GRADA (m.)				COTAS FONDO
	B	H		-	I			
8.289	0.40	0.40	75	-	-		1069.70	
8.476	0.50	0.50	75	0.15	0.60		1067.86	
8.608	0.50	0.50	75	0.15	0.60		1067.38	
8.685	0.50	0.50	75	0.15	0.60		1067.10	
8.964	0.50	0.45	75	0.10	0.60		1066.16	
9.102	0.50	0.45	75	0.10	0.60		1065.45	
9.221	0.50	0.50	75	0.15	0.60		1064.90	
9.342	0.50	0.50	75	0.15	0.60		1064.76	

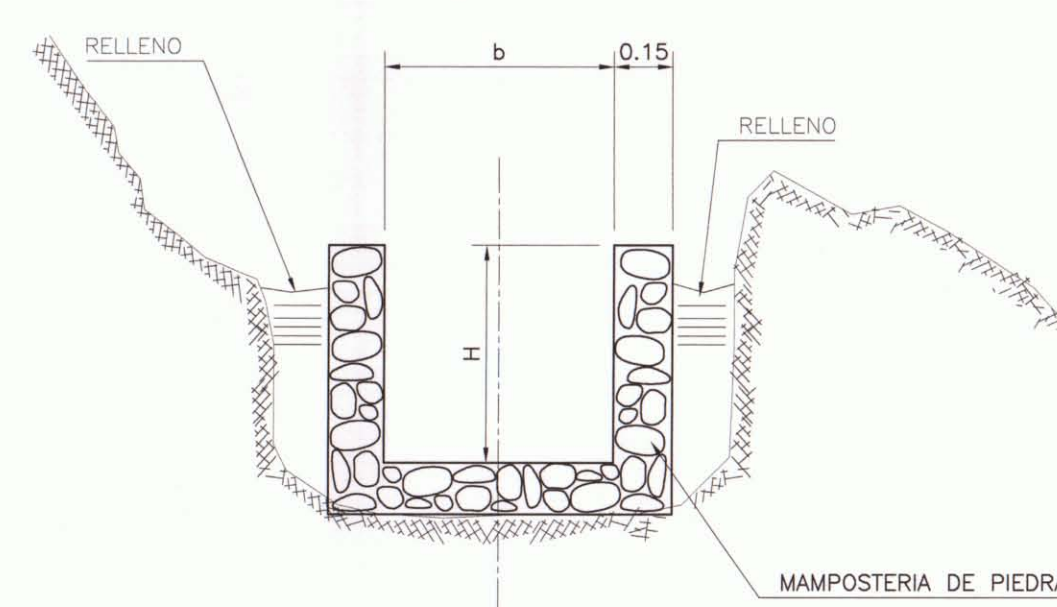
CUADRO DE SECCIONES

TRAMO Km	SECCIÓN		OBS.
	b(m)	H(m)	
8.320 - 8.608	0.70	0.60	
8.608 - 9.061	0.70	0.60	
9.061 - 9.520	0.70	0.60	

CUADRO COORDENADAS DE PR

PR	NORTE	ESTE	COTA (m.)
32	6647822.79	335220.33	1059.48
33	6647640.97	334796.84	1066.83

SECCION TIPO
S/E



SIMBOLOGIA

CURVA INDICE	—250—	CERCOS	—x—x—x—
CURVA INTERMEDIA	———	CAM. PAVIMENTADO	=====
CAM. TIERRA	=====	RIOS—ESTEROS	~~~~~
VERTICE CANAL PROJ. VO		COTA FONDO PROJ. C.F.P.	
EJE PROYECTO	—————	PROYECTO	—————
TERRENO	-----	BORDE CANAL	- - - - -

NOTAS GENERALES:

- TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS
- PARA VER DETALLES ENTREGAS PREDIALES VER PLANO N° 033-4/6

UNIFICACION LA PARTERA – CANAL LOS PERALES
OBRA DE DISTRIBUCION Km 5.713

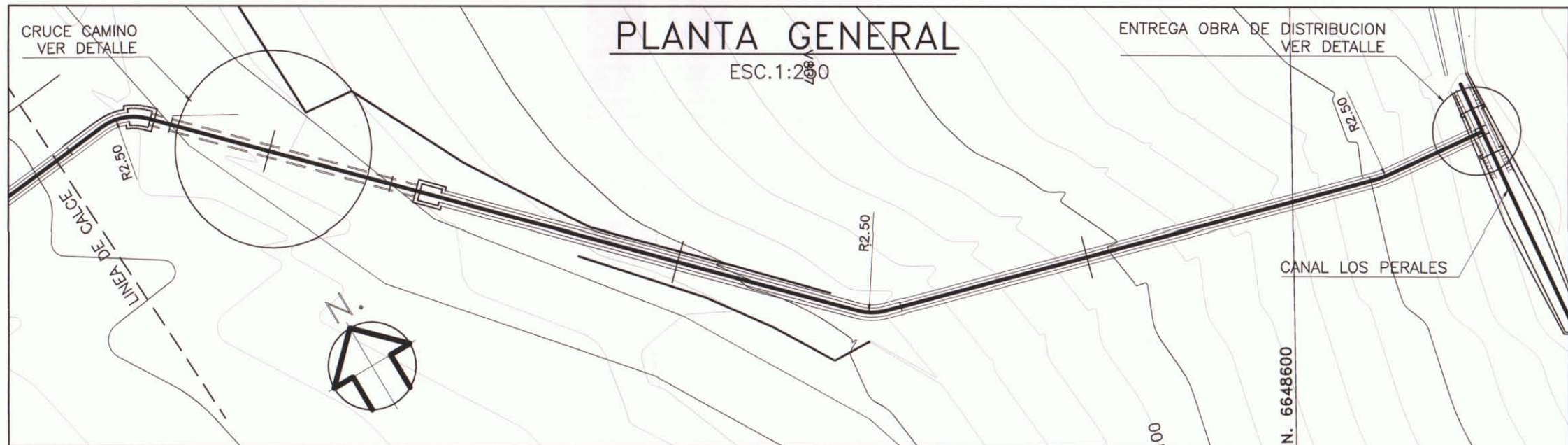
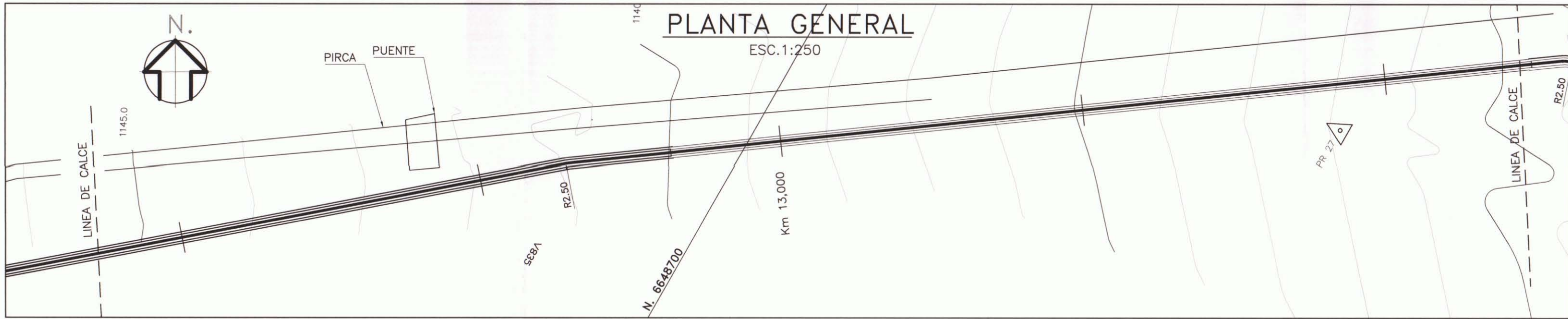
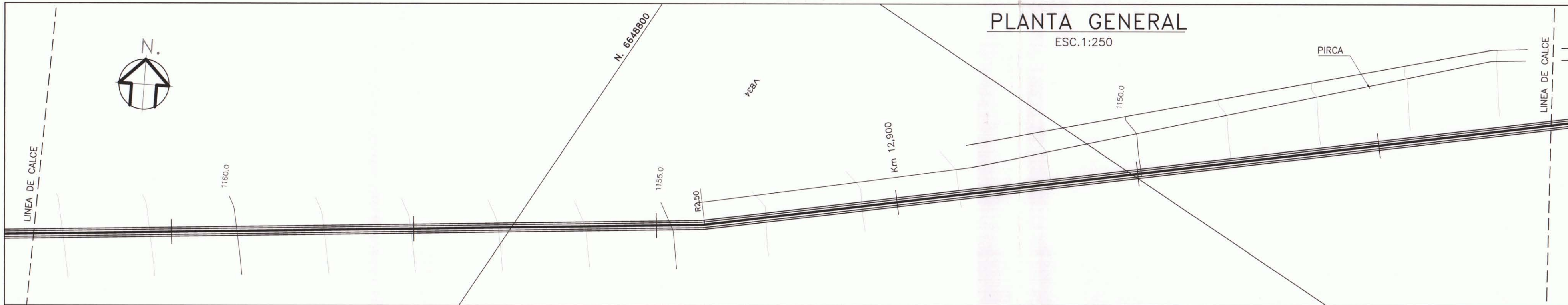
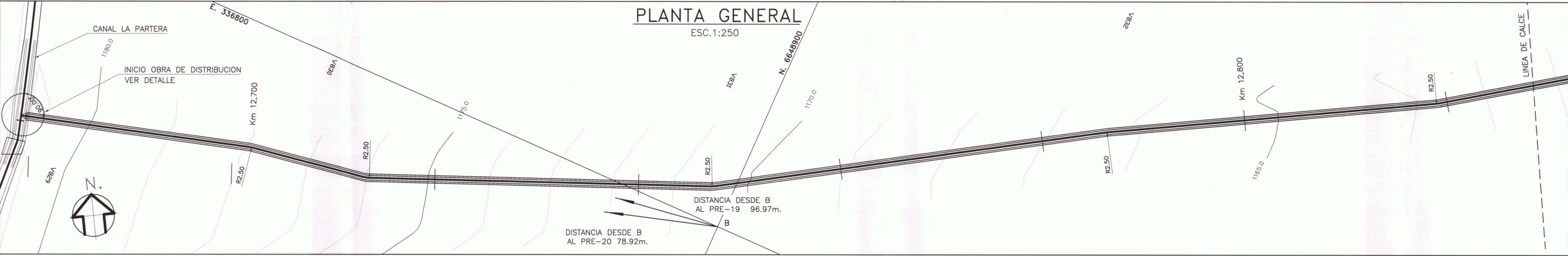
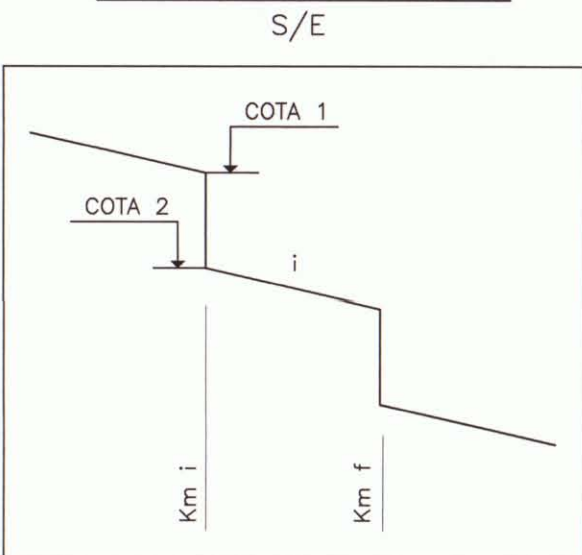


TABLA DE ESCALONES

Km i (m)	Km f (m)	COTA 1 (m.n.s.m)	COTA 2 (m.n.s.m)	i
371.00	373.00	1129.607	1129.107	0.1535
373.00	375.29	1128.800	1128.180	0.1535
412.00	415.00	1123.732	1123.232	0.20
415.00	418.00	1122.632	1122.132	0.20
418.00	421.00	1121.532	1121.032	0.201
421.00	424.00	1120.429	1119.929	0.201
424.00	427.00	1119.326	1118.826	0.201
427.00	430.00	1118.223	1117.723	0.201
430.00	432.50	1117.120	1116.520	0.201
432.50	434.50	1116.018	1115.518	0.201
434.50	436.50	1115.116	1114.516	0.201
436.50	438.50	1114.114	1113.414	0.201
438.50	440.49	1113.012	1112.252	0.201

ESCALON TIPO



CUADRO DE PR.

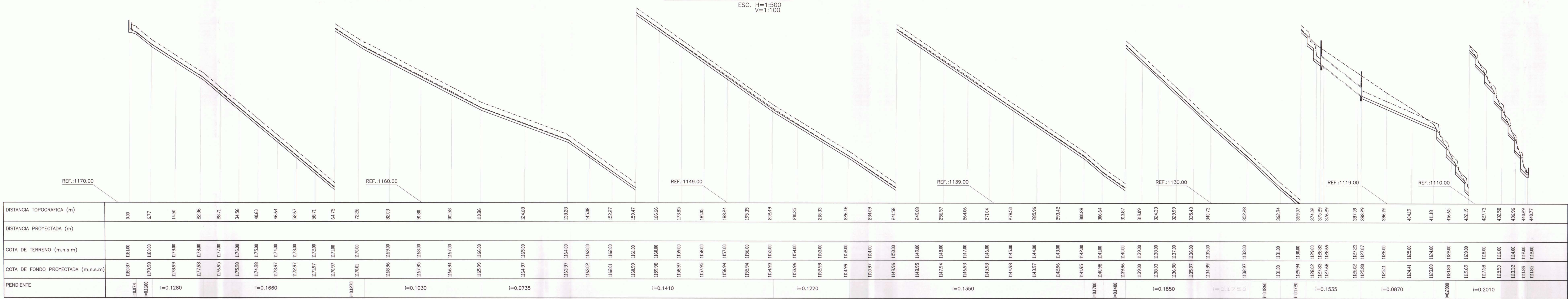
PR N °	NORTE	ESTE	COTA
27	6648006.79	335479.95	1095.49

CUADRO DE PR. ESTACION

PRE N °	NORTE	ESTE	COTA
19	6647940.46	335444.19	1094.61
20	6647911.03	335425.08	1094.61

PERFIL LONGITUDINAL

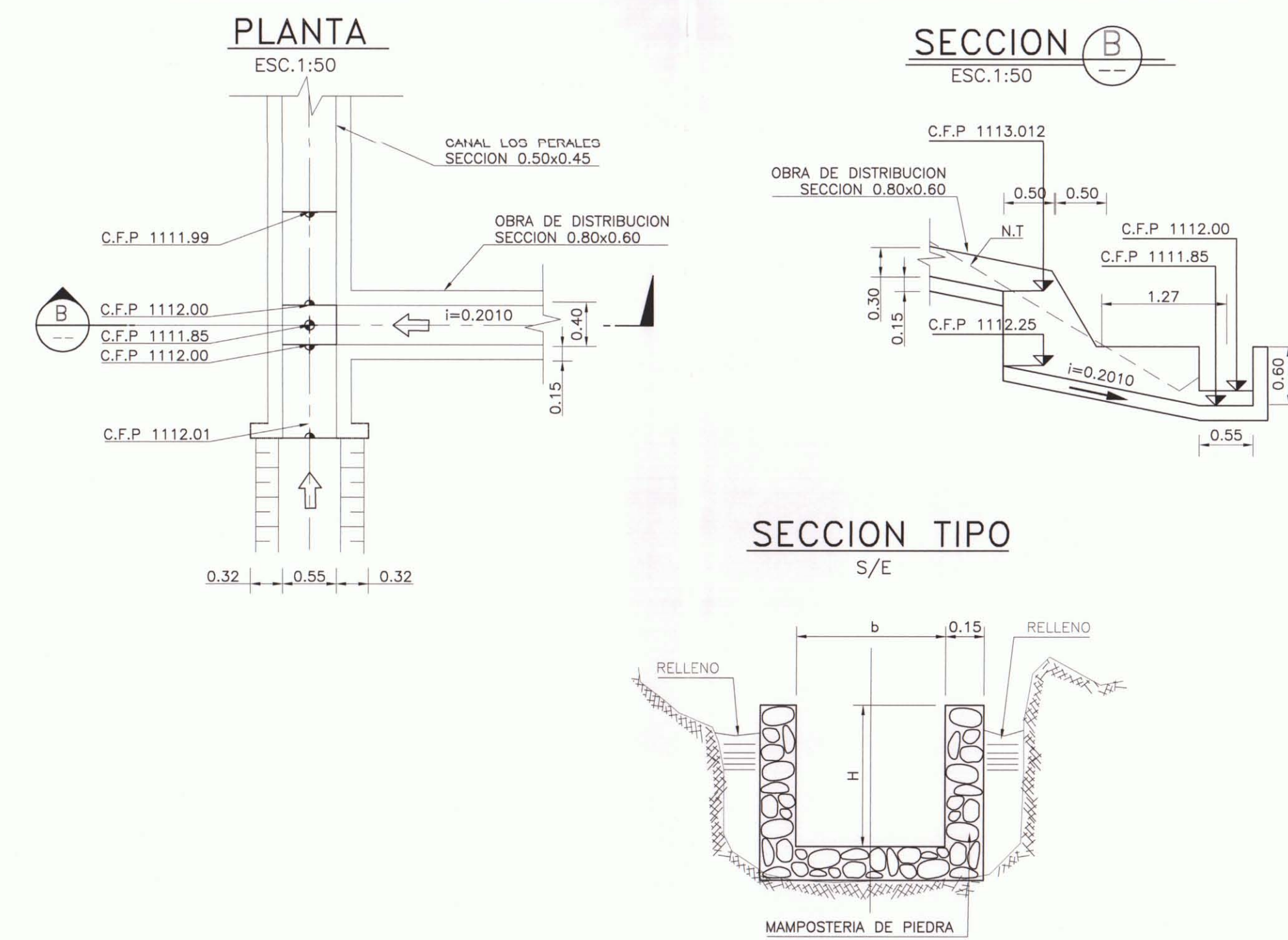
ESC. H=1:100
V=1:100



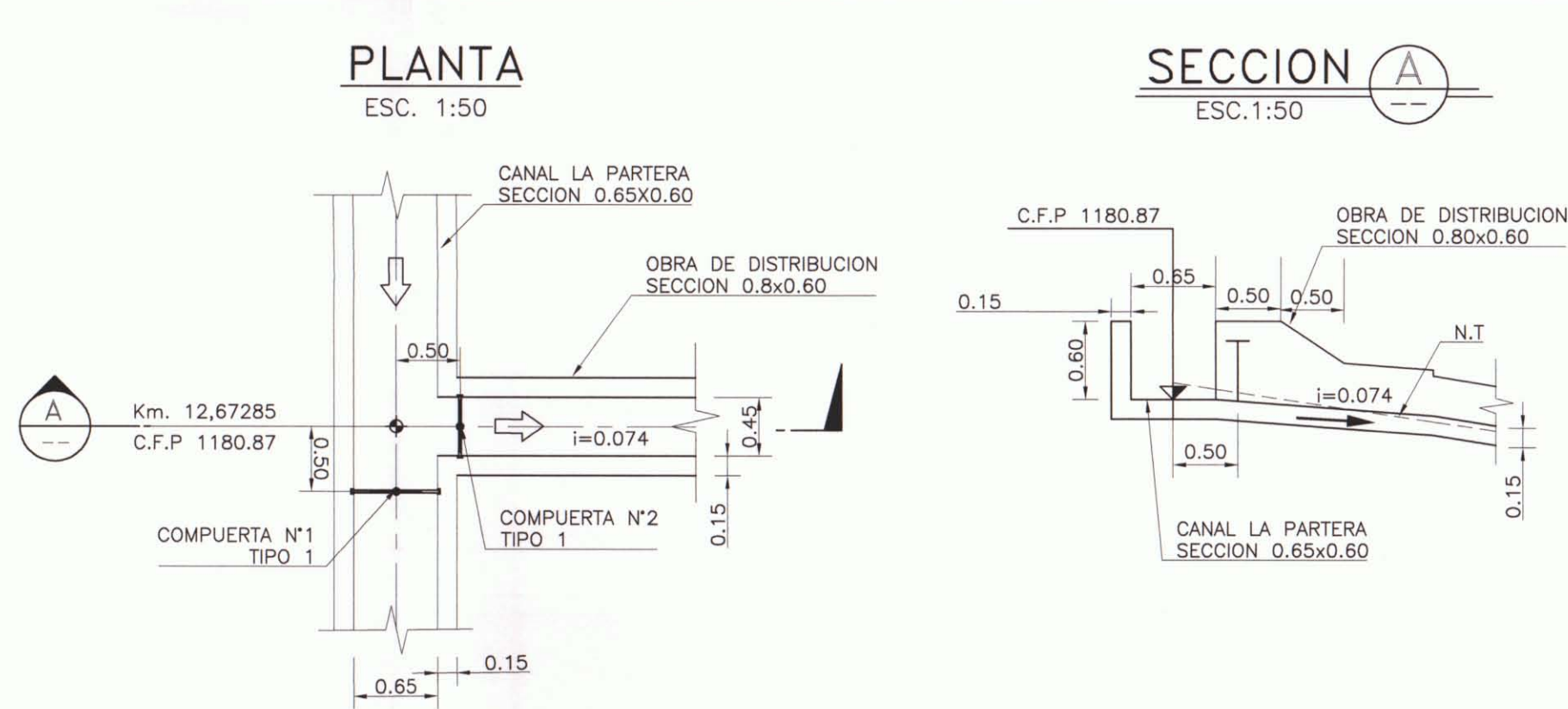
SIMBOLOGIA

CURVA INDICE	250	CERCOS	→
CURVA INTERMEDIA	→	CANAL PAIMENTADO	→
CANAL TIERRA	→	RÍOS-ESTEROS	→
VERTICE CANAL PROJ. VO	→	COTA FONDO PROJ. C.F.P.	→
EJE PROYECTO	→	PROYECTO	→
TERRENO	→	BORDE CANAL	→

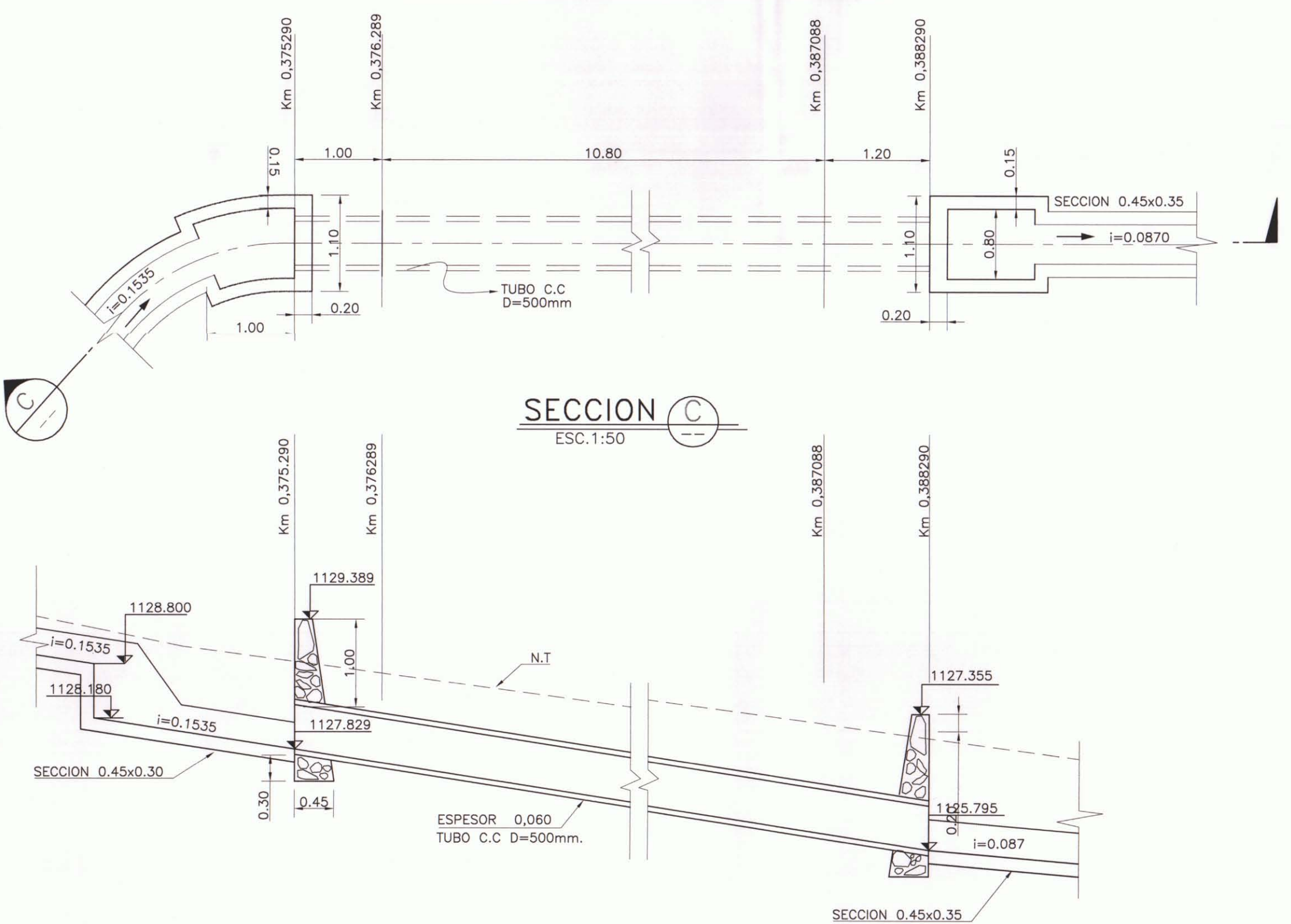
ENTREGA OBRA DE DISTRIBUCION- CANAL LOS PERALES



INICIO OBRA DE DISTRIBUCION- CANAL LA PARTERA



CRUCE CAMINO Km 0,37529



CUADRO DE DIMENSIONES
COMPUERTAS TIPO 1

N° COMPUERTA	ANCHO CANAL (m)	A (m)	AA (m)	B (m)	C (m)	D (m)	E (m)
1	0.65	0.65	1.3	0.6	0.59	0.65	0.8
2	0.45	0.45	1.3	0.6	0.39	0.65	0.8

NOTAS:

TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS.

UNIFICACION LA PARTERA CANAL LA PARTERA – CANAL MOLINO VIEJO

OBRA DE DISTRIBUCION Km. 0.525

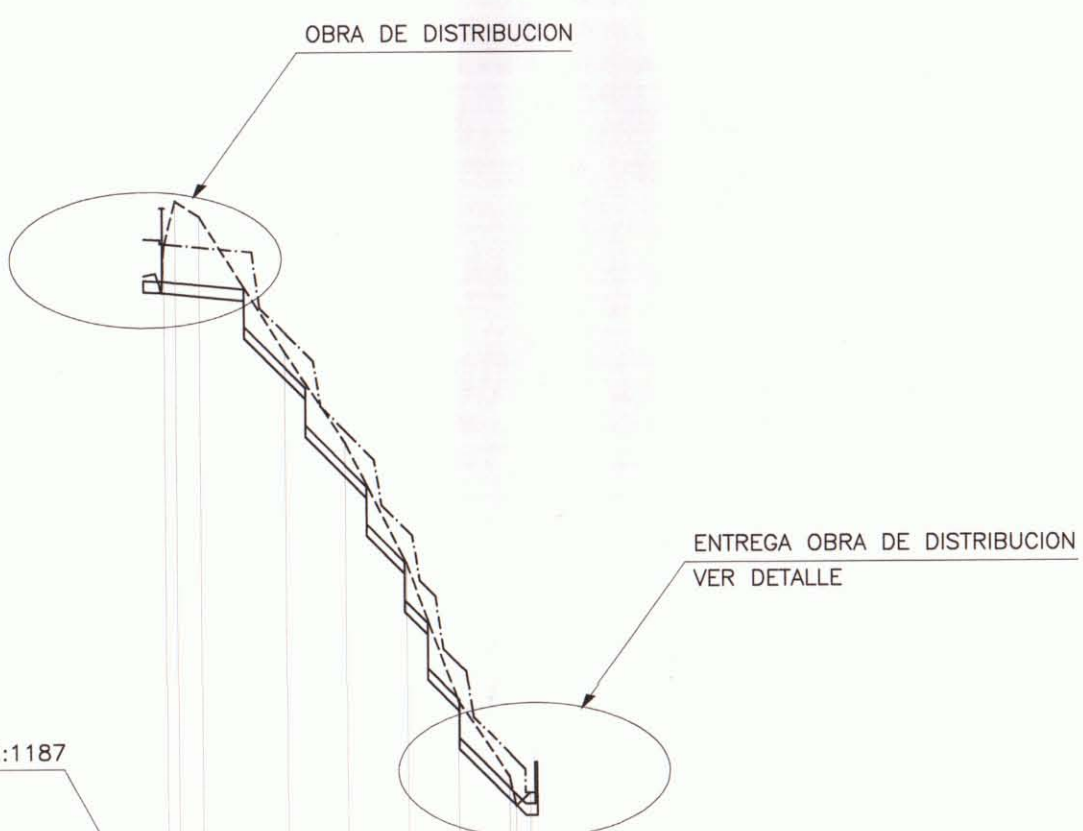
PLANTA GENERAL

ESC. 1:200



PERFIL LONGITUDINAL

ESC. H=1:500
V=1:100

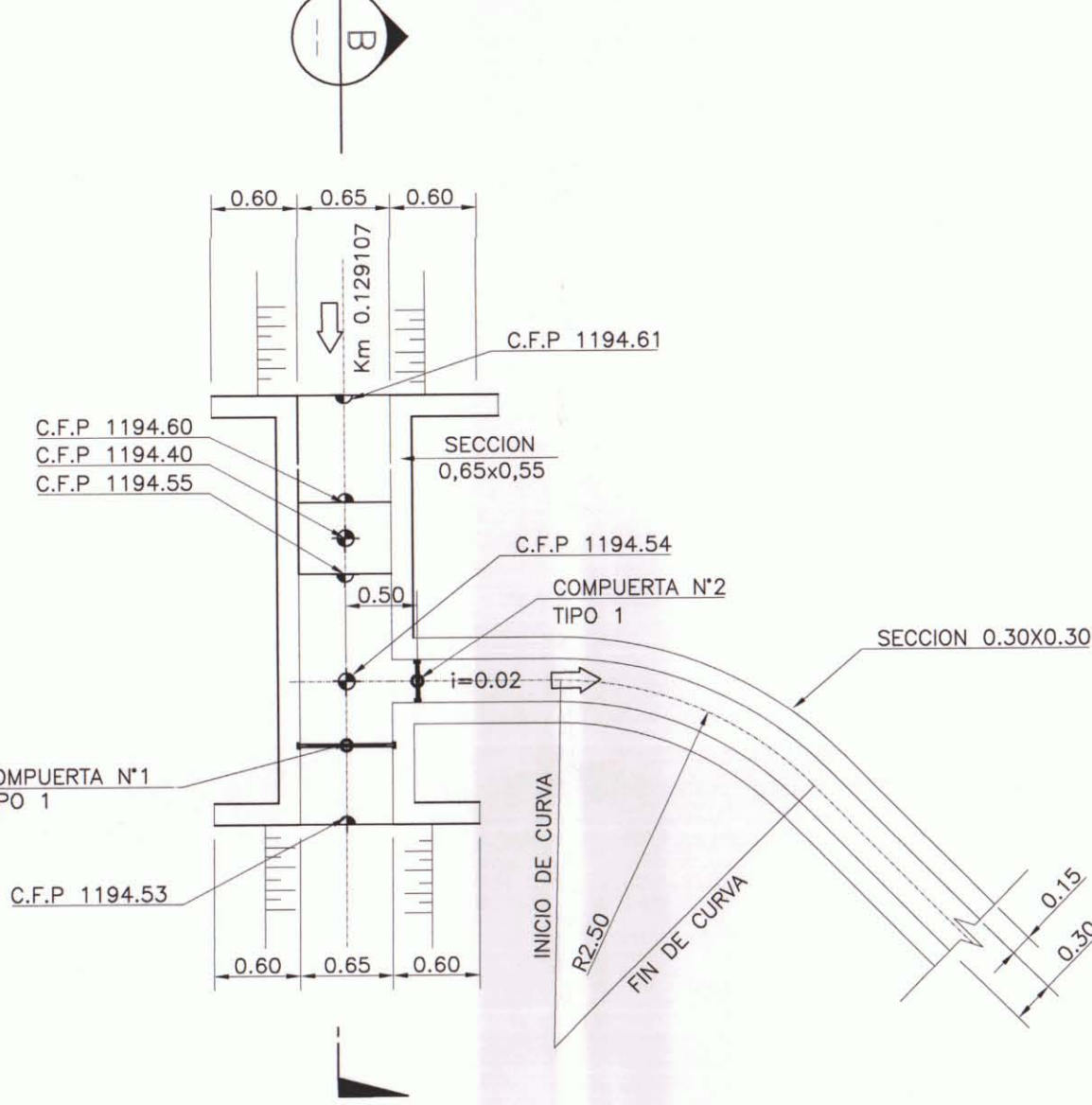


DISTANCIA TOPOGRAFICA (m)	126.60	126.45	126.30	126.15	126.00	125.85	125.70	125.55	125.40
DISTANCIA PROYECTADA (m)									
COTA DE TERRENO (m.n.s.m)	1194.42	1194.34	1194.26	1194.18	1194.10	1194.02	1189.94	1189.86	1189.78
COTA DE FONDO PROYECTADA (m.n.s.m)	1194.42	1194.34	1194.26	1194.18	1194.10	1194.02	1189.94	1189.86	1189.78
PENDIENTE	i=0.202								

OBRA DE DISTRIBUCION A CANAL LA PARTERA
DETALLE N°1

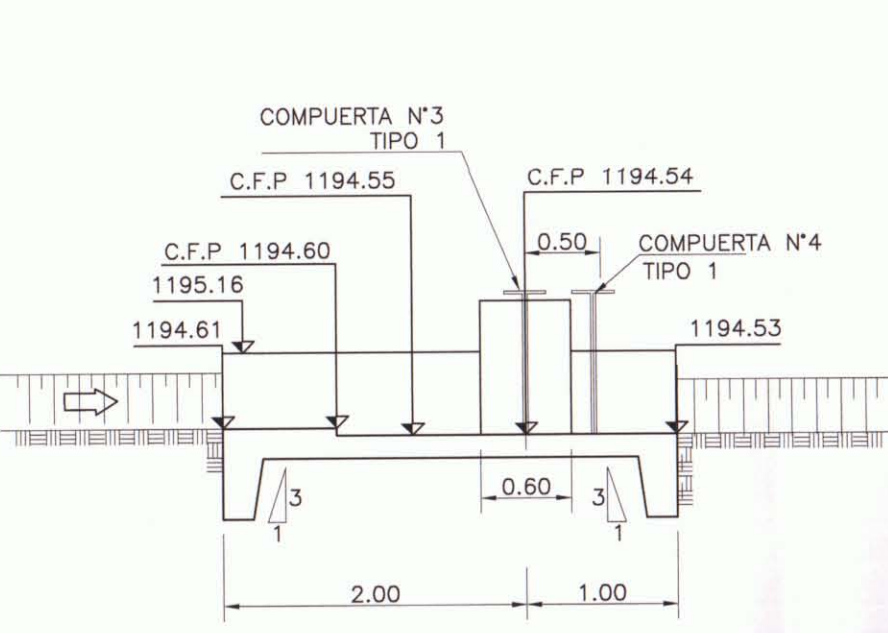
PLANTA

ESC. 1:50



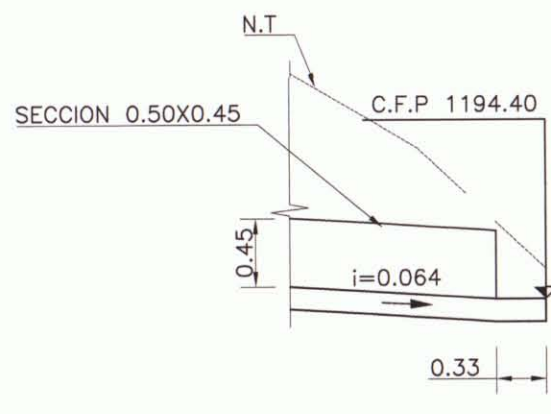
SECCION B

ESC. 1:50



PERFIL LONGITUDINAL

ESC. 1:50



CUADRO DE DIMENSIONES
COMPUERTAS TIPO 1

N° COMPUERTA	ANCHO CANAL (m)	A (m)	AA (m)	B (m)	C (m)	D (m)	E (m)
1	0.65	0.65	1.20	0.55	0.49	0.60	0.75
2	0.60	0.60	1.10	0.50	0.44	0.55	0.70

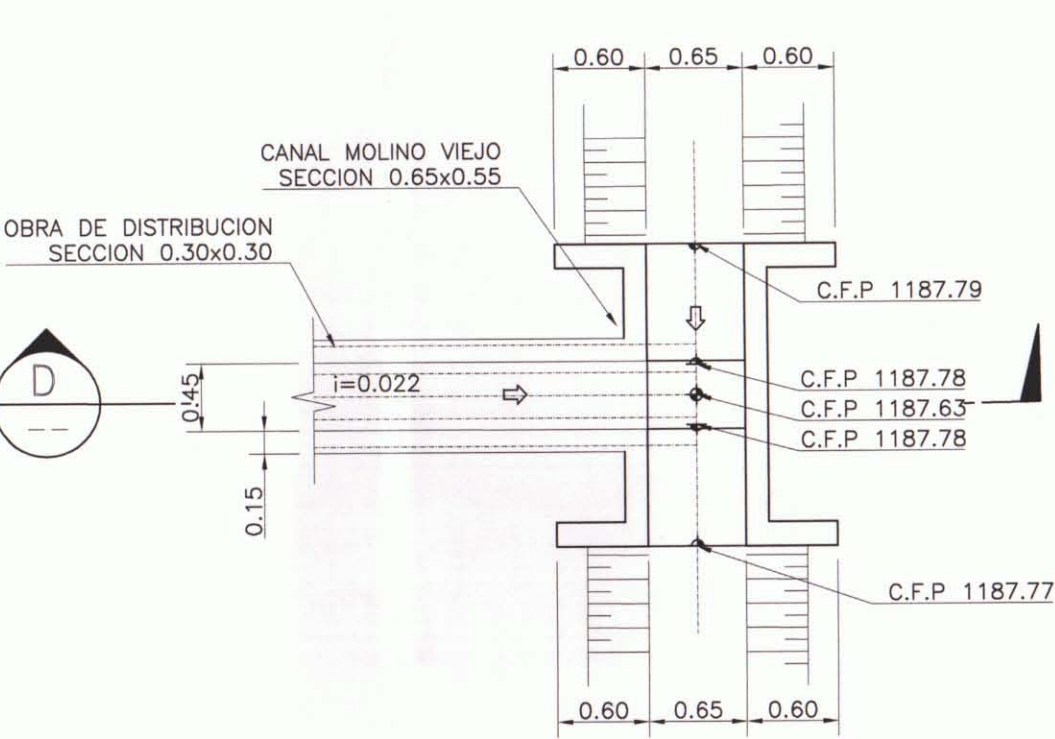
TABLA DE ESCALONES

Km i (m)	Km f (m)	COTA 1 (m.n.s.m)	COTA 2 (m.n.s.m)	i
136.00	140.00	1194.425	1193.925	0.202
140.00	144.00	1193.121	1192.621	0.202
144.00	146.50	1191.813	1191.313	0.202
146.50	148.00	1190.808	1190.308	0.202
148.00	150.00	1190.005	1189.405	0.202
150.00	154.308	1189.001	1188.501	0.202

ENTREGA OBRA DE DISTRIBUCION- CANAL MOLINO VIEJO

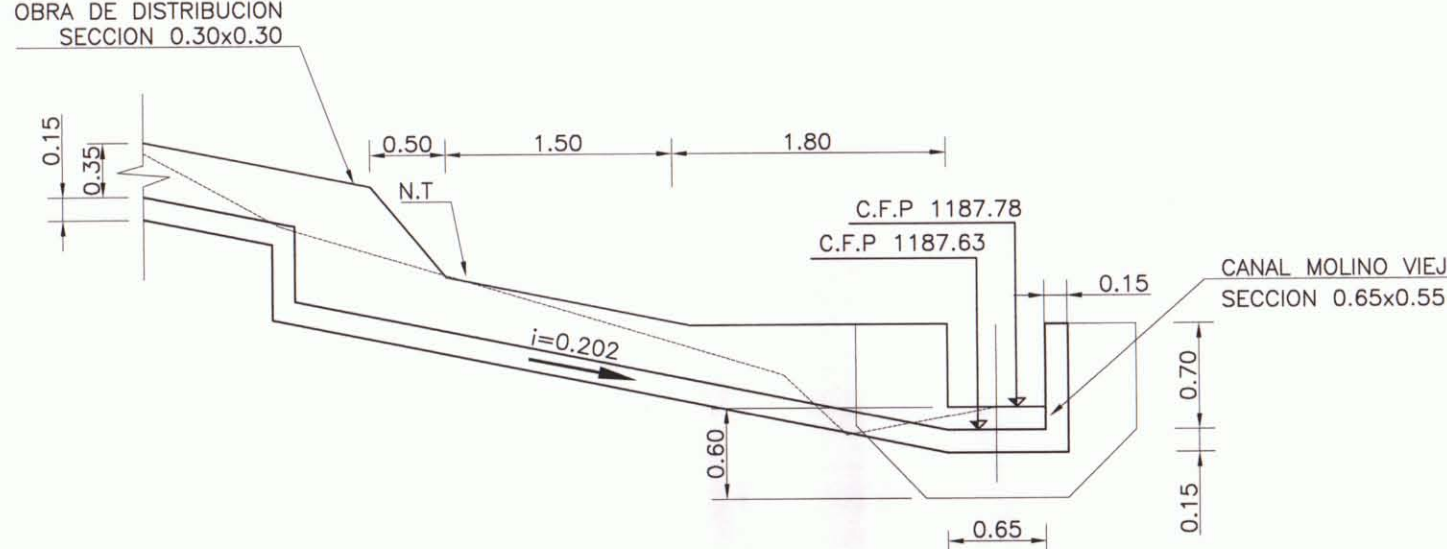
PLANTA

ESC. 1:50



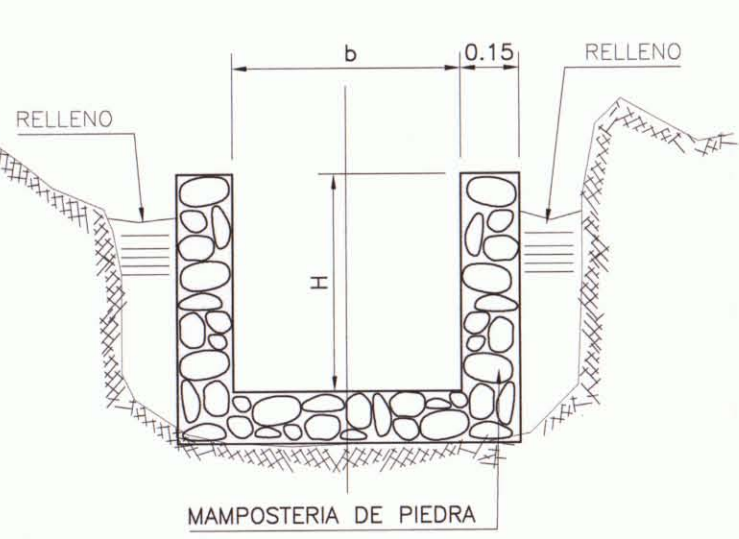
SECCION D

ESC. 1:50



SECCION TIPO

S/E



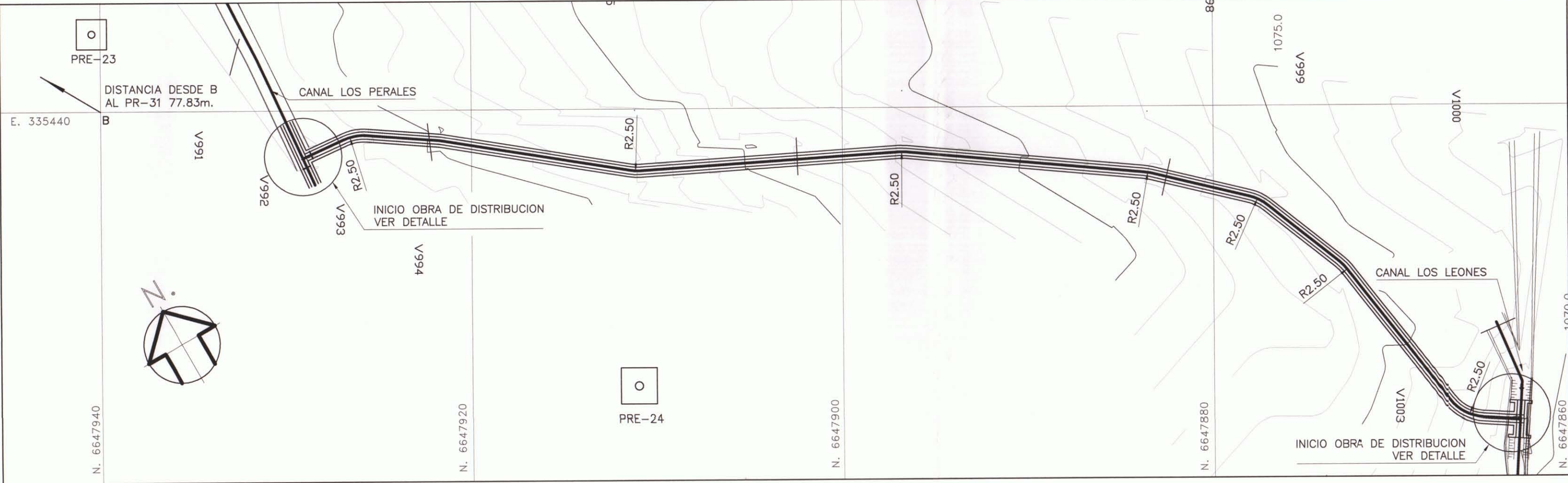
SIMBOLOGIA	
CURVA INDICE	250
CURVA INTERMEDIA	CAM. PAVIMENTADO
CAM. TIERRA	RIOS-ESTEROS
VERTICE CANAL PROJ. VO	COTA FONDO PROJ. C.F.P.
EJE PROYECTO	PROYECTO
TERRENO	BORDE CANAL

UNIFICACION LA PARTERA CANAL LOS LEONES

OBRA DE DISTRIBUCION Km. 8.213

PLANTA GENERAL

ESC. 1:200



PERFIL LONGITUDINAL

ESC. H=1:500
V=1:100



CUADRO DE DIMENSIONES
COMPUERTAS TIPO 1

N° COMPUERTA	ANCHO CANAL (m)	A (m)	AA (m)	B (m)	C (m)	D (m)	E (m)
3	0.40	0.40	0.7	0.3	0.34	0.35	0.5
4	0.40	0.40	0.8	0.35	0.34	0.4	0.55

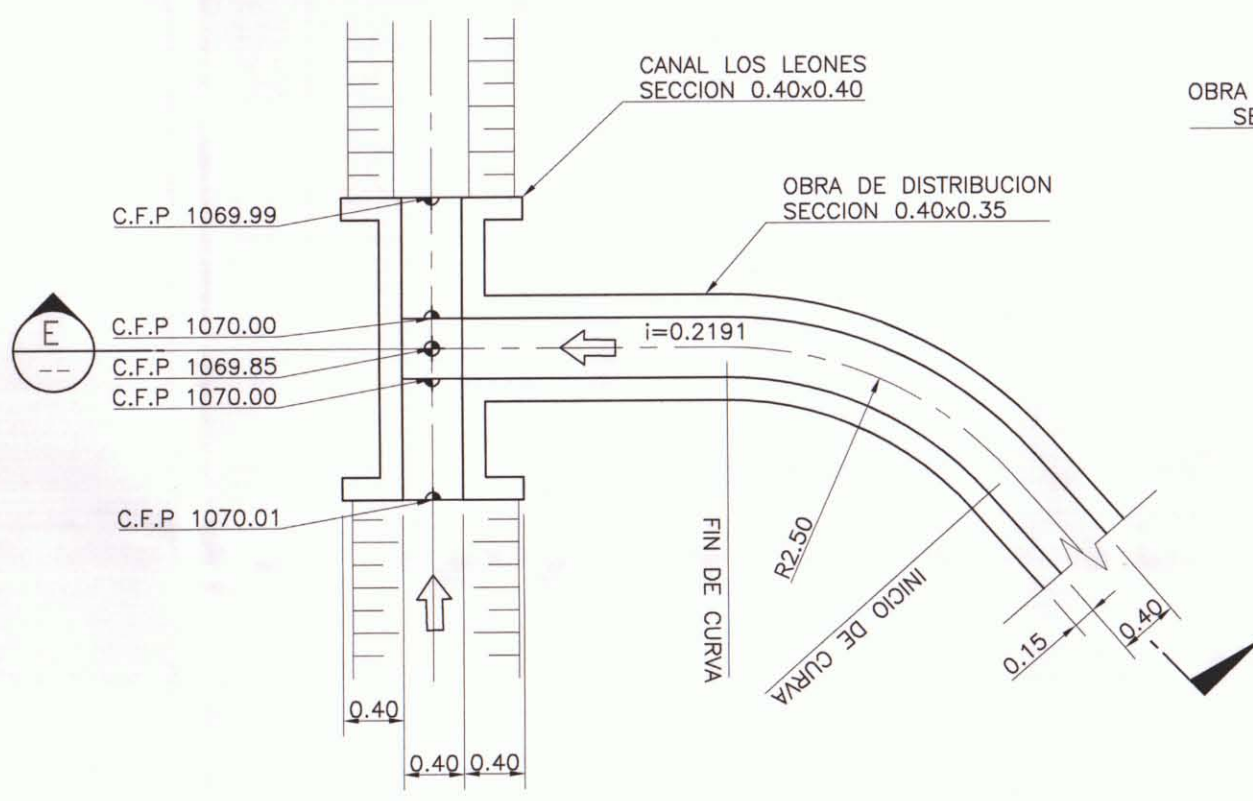
TABLA DE ESCALONES

Km i (m)	Km f (m)	COTA 1 (m.n.s.m)	COTA 2 (m.n.s.m)	i
18.00	20.50	1088.003	1087.403	0.20
20.50	22.50	1088.903	1088.303	0.20
22.50	24.50	1089.803	1089.203	0.20
24.50	27.50	1089.803	1089.203	0.20
27.50	30.50	1089.803	1089.203	0.20
30.50	34.00	1089.803	1089.203	0.20
34.00	39.50	1089.803	1089.203	0.20
39.50	45.00	1079.903	1079.403	0.20
45.00	50.00	1078.803	1078.303	0.20
50.00	63.00	1076.803	1076.203	0.0897
63.00	65.00	1075.037	1074.437	0.20
65.00	66.50	1073.999	1073.399	0.2191
66.50	68.00	1073.070	1072.370	0.2191
68.00	69.50	1072.042	1071.342	0.2191
69.50	71.3103	1071.013	1070.063	0.2191

ENTREGA OBRA DE DISTRIBUCION – CANAL LOS LEONES

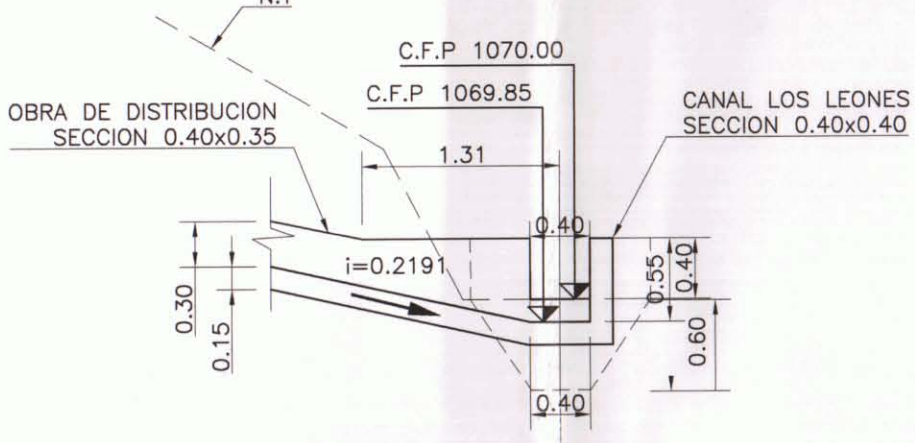
PLANTA

ESC. 1:50



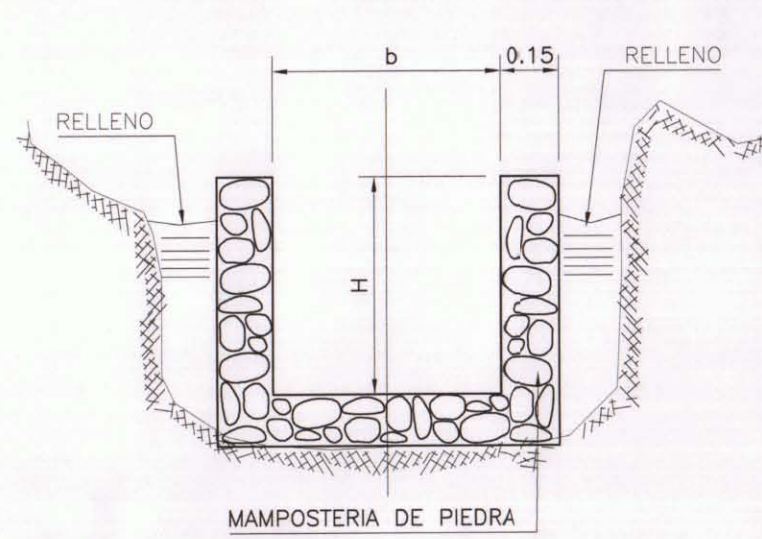
SECCION F

ESC. 1:50



SECCION TIPO

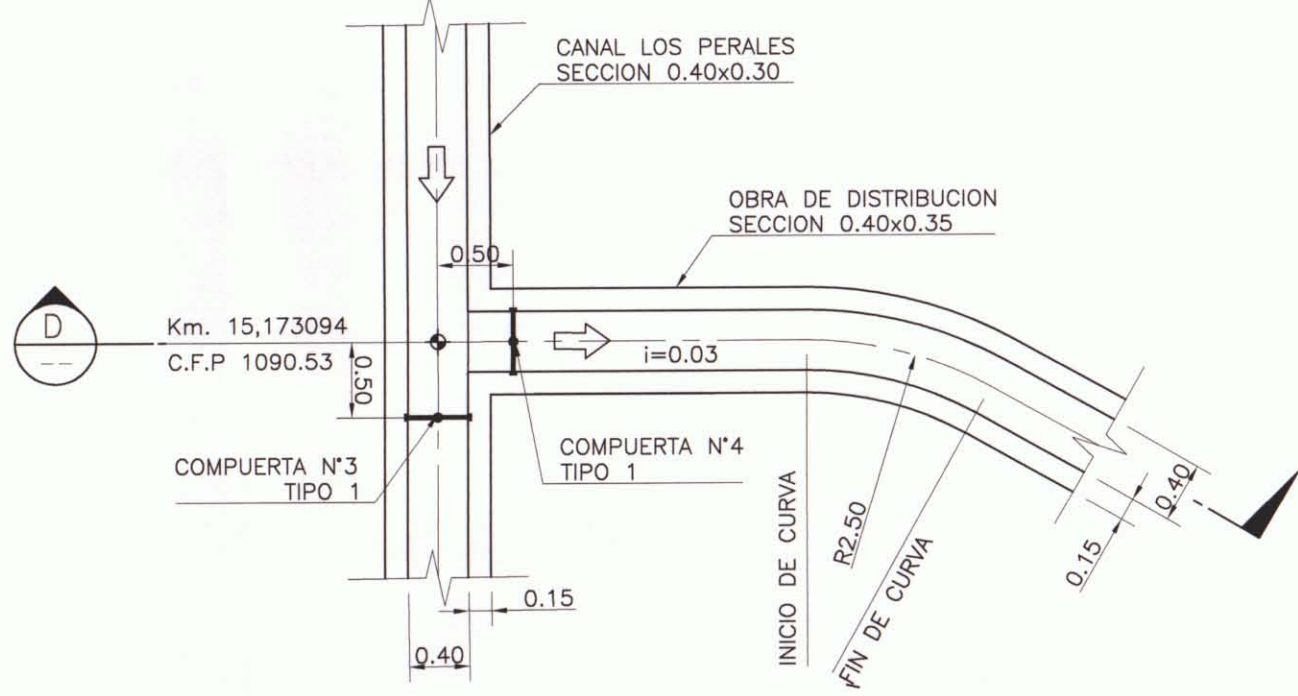
S/E



INICIO OBRA DE DISTRIBUCION – CANAL LOS PERALES

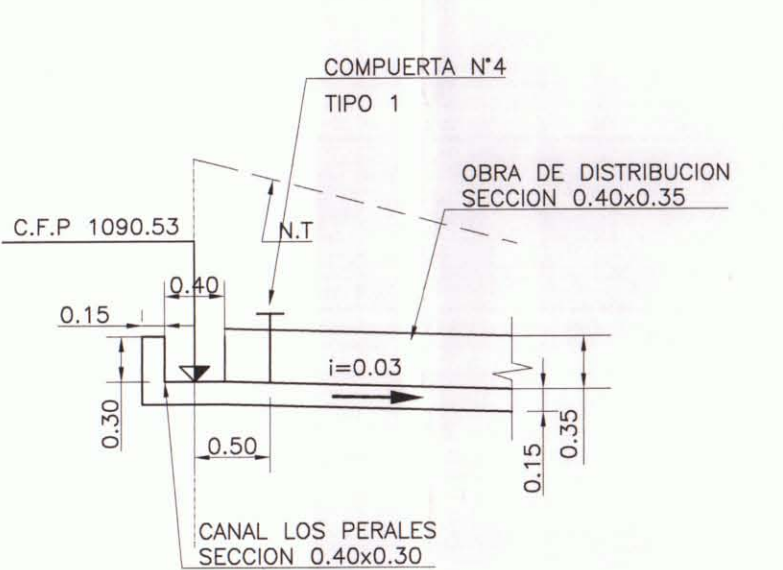
PLANTA

ESC. 1:50



SECCION D

ESC. 1:50



CUADRO DE PR.

PR N°	NORTE	ESTE	COTA
31	6648006.79	335479.95	1095.49

CUADRO DE PR. ESTACION

PRE N°	NORTE	ESTE	COTA
23	6647940.46	335444.19	1094.61
24	6647911.03	335425.08	1094.61

SIMBOLOGIA

CURVA INDICE	250	CERCOS	+
CURVA INTERMEDIA	CAM. PAVIMENTADO		
CAM. TIERRA	RIOS-ESTEROS		
VERTICE CANAL PROJ. VO	COTA FONDO PROJ. C.F.P.		
EJE PROYECTO	PROYECTO		
TERRENO	BORDE CANAL		

NOTAS:
TODAS LAS OBRAS SON DE MAMPOSTERIA DE PIEDRAS.

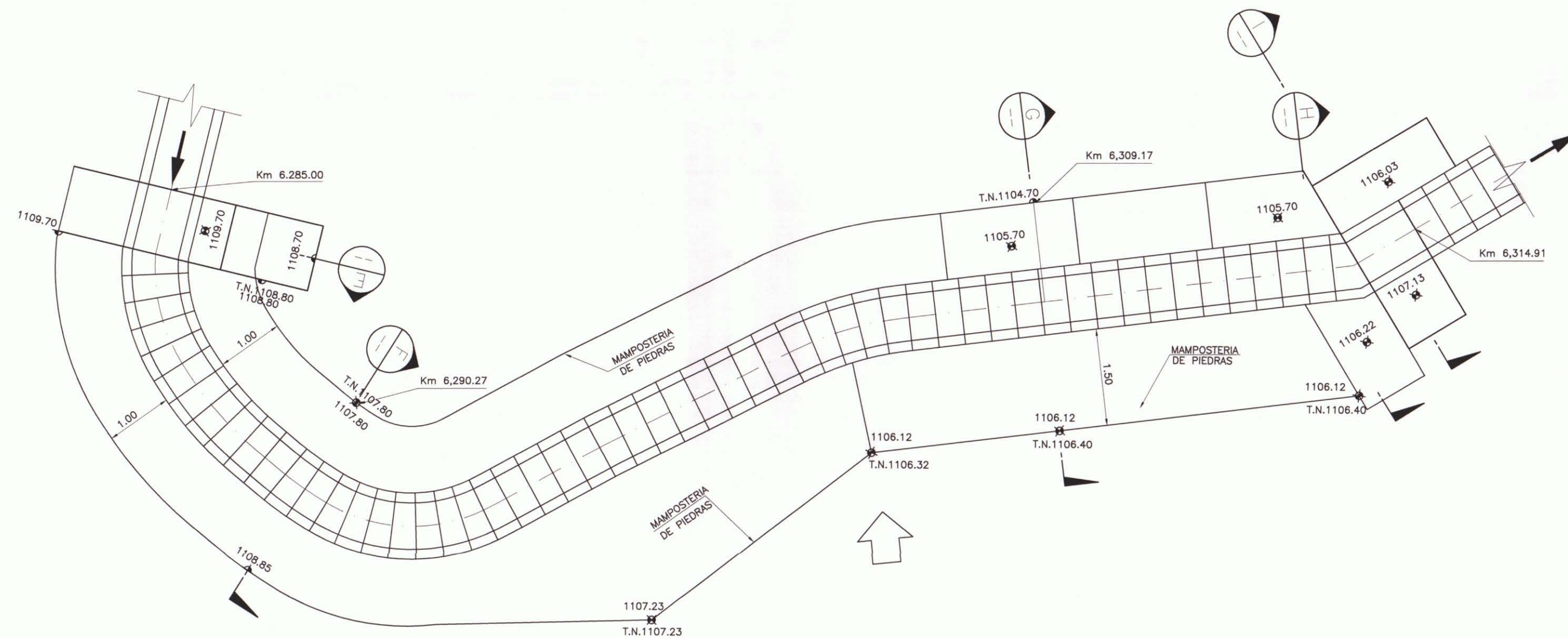
GOBIERNO DE CHILE MINISTERIO DE AGRICULTURA SISTEMA DE RIEGO DEL RIO HUERTADO IV REGION DE COQUIMBO	Nombre Estudio Estudio de Prefactibilidad Mejoramiento del Sistema de Riego del Rio Huertado IV Region de Coquimbo	Título Plano UNIFICACION LA PARTERA OBRA DE DISTRIBUCION PLANTAS, DETALLES Y PERFIL LONG.
CONSULTOR GCF Ingenieros Ltda.	Escala Indicadas	Fecha FEBRERO 2010
		Lamina: 034-2/2

UNIFICACION LA PARTERA – CANAL LOS PERALES
CRUCE DE QUEBRADA Km.13,2449899

PLANTA GENERAL
ESC. 1:200



PLANTA
ESC. 1:50



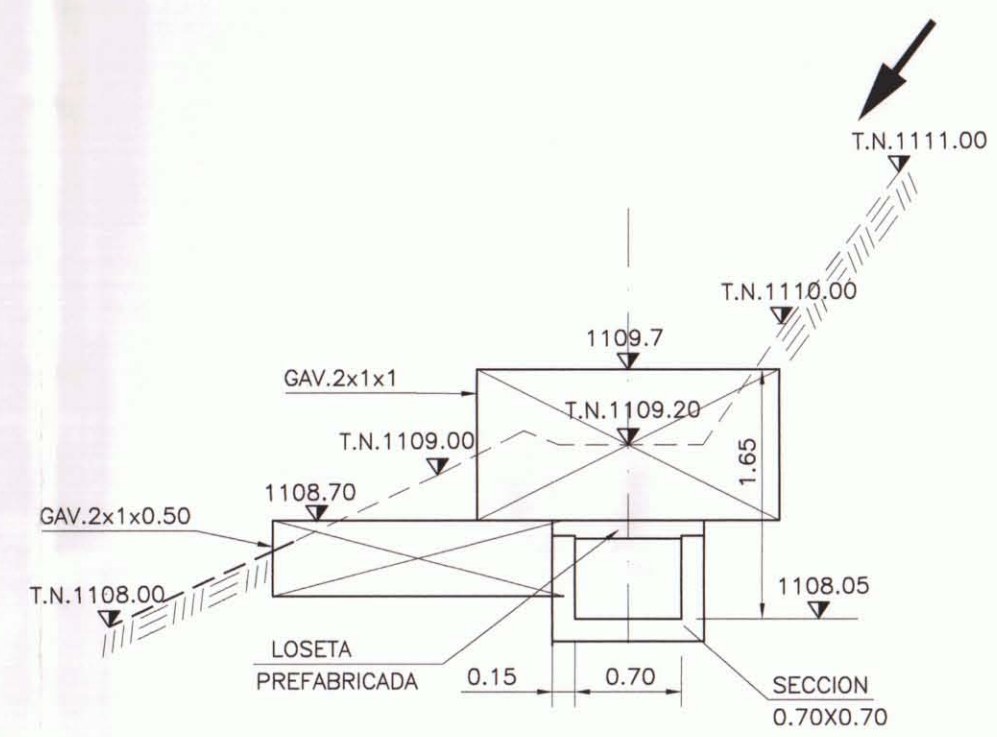
CUADRO DE PR

PR	NORTE	ESTE	COTA (m.)
27	6648666,50	336970,43	1131,86

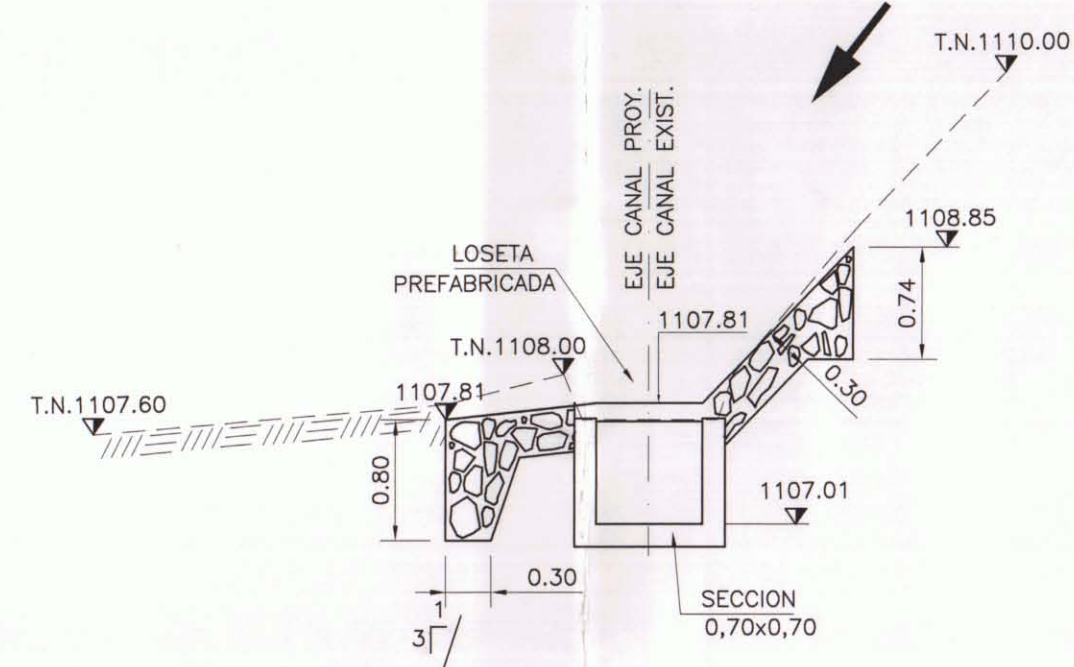
CUADRO DE PR. ESTACON

PRE	NORTE	ESTE	COTA (m.)
21	6648610,80	336861,38	1116,68

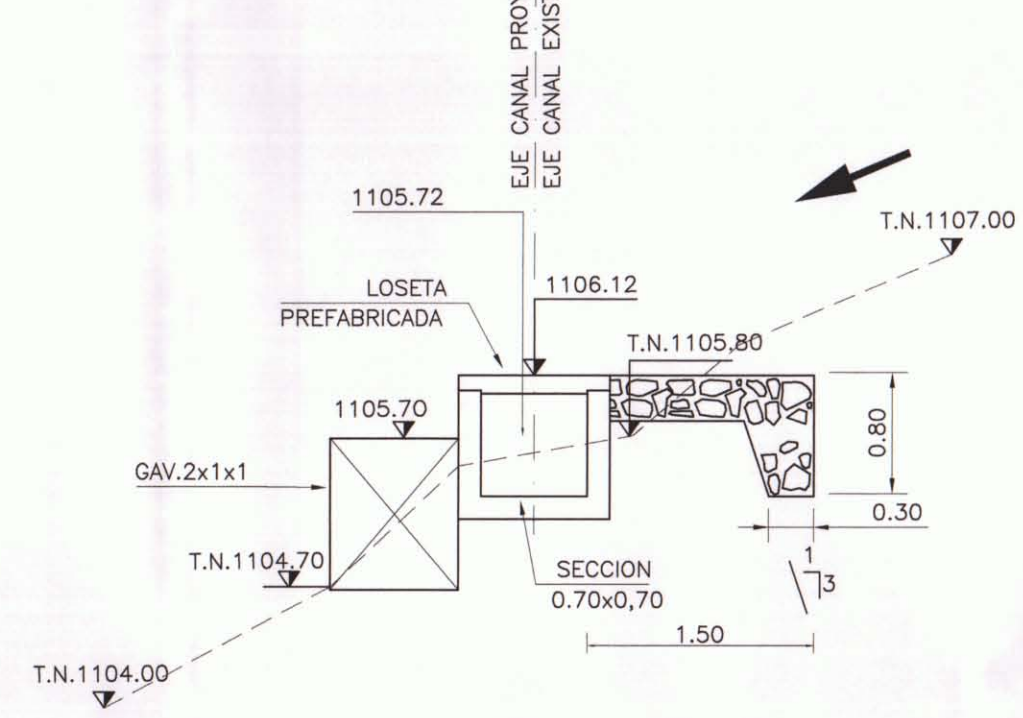
SECCION F
ESC. 1:50



SECCION G
ESC. 1:50

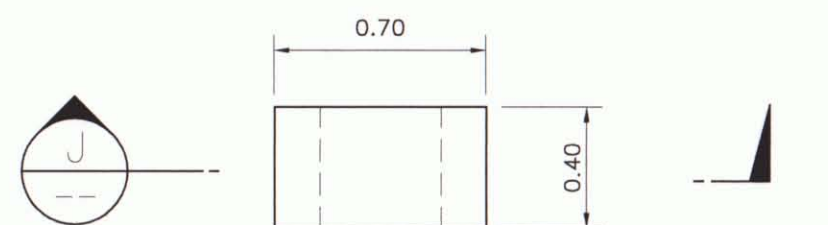


SECCION H
ESC. 1:50

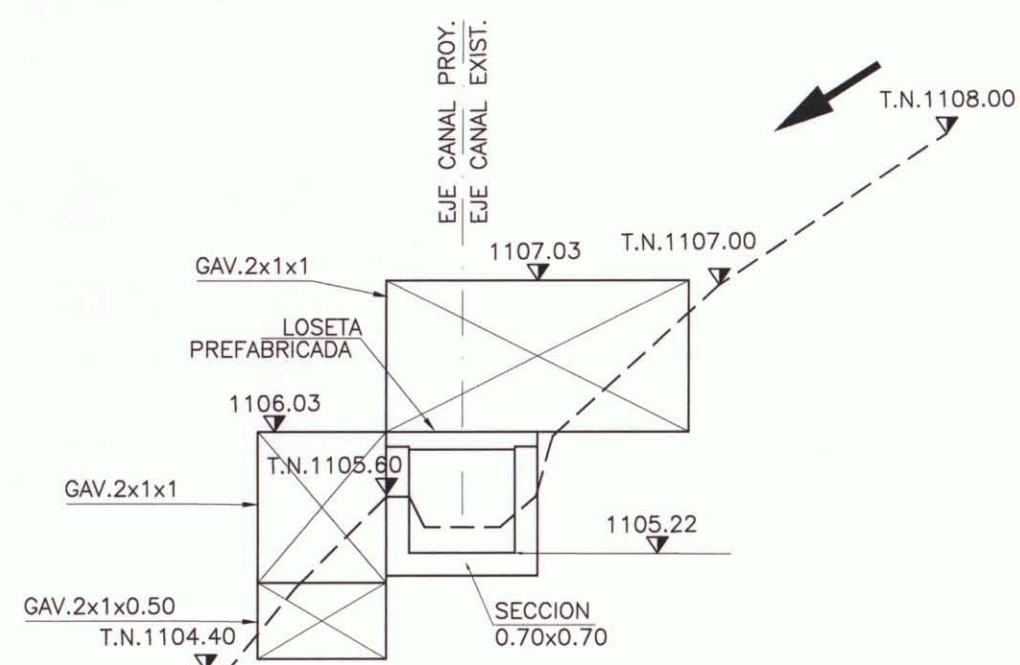


DETALLE DE LOSETA

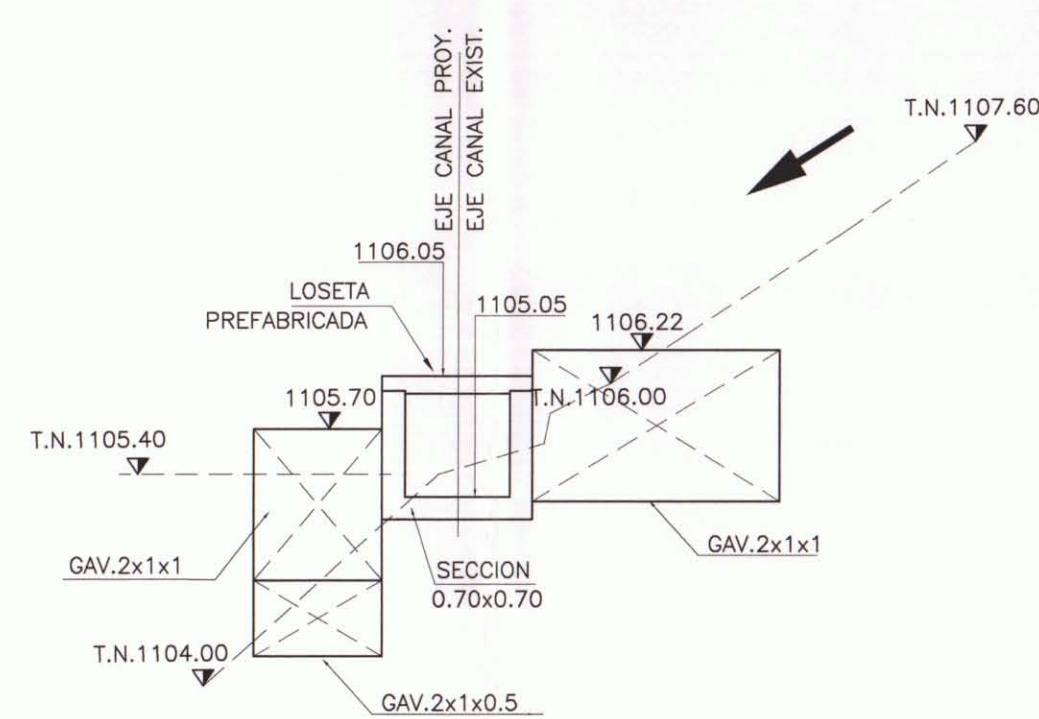
PLANTA
ESC. 1:25



SECCION I
ESC. 1:50



SECCION J
ESC. 1:50



SECCION K
ESC. 1:25

