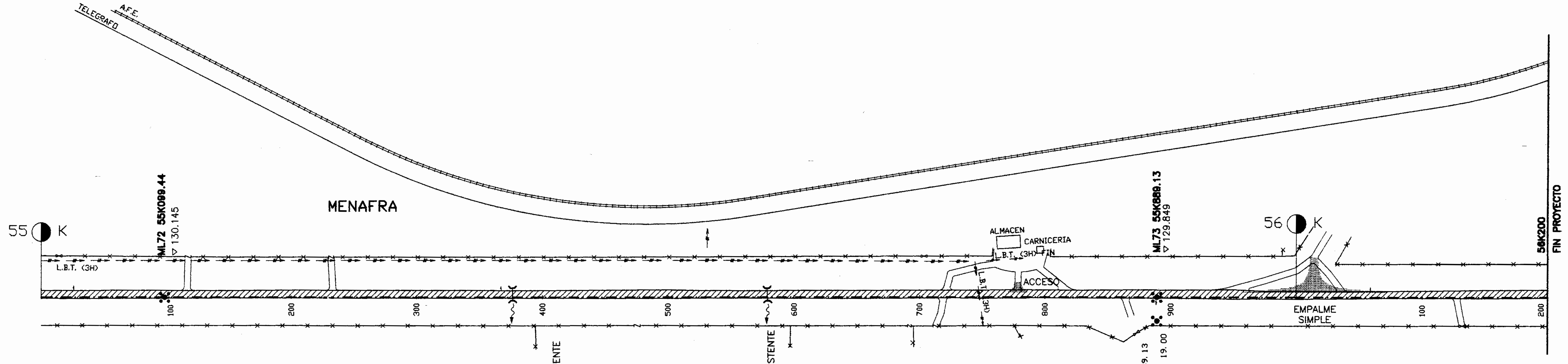
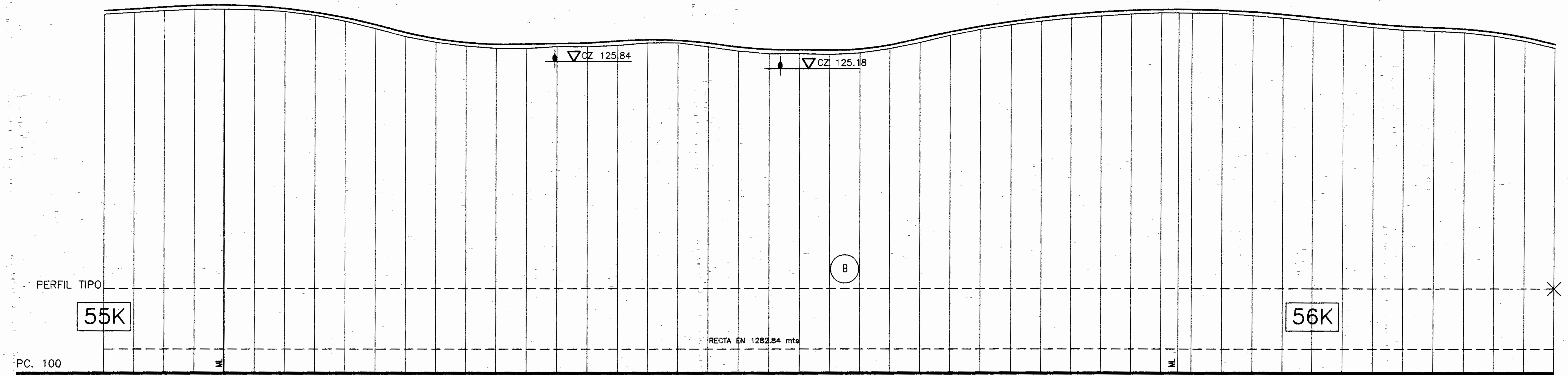


NOTA GENERAL:
El perfil longitudinal de proyecto, en aquellos tramos en que no se indica modificación de rasante, se define por las cotas de pavimento anotadas al pie de la lámina.

SIGUE PROYECTO:
MENAFRA – RUTA N°90
CONSORCIO HIDROSUD – GRIMAUX



PROGRESIVAS	COTAS TERRENO	COTAS PAVIMENTO	DIF. COTAS DESMONTE	DIF. COTAS TERRAPLEN
55000.00	129.74	130.04		0.30
55025.00	129.89	130.18		0.29
55050.00	130.04	130.33		0.29
55075.00	130.15	130.47		0.31
55099.44 55100.00	130.17	130.50		0.33
55125.00	130.11	130.42		0.31
55150.00	129.96	130.21		0.25
55175.00	129.64	129.89		0.25
55200.00	129.15	129.44		0.29
55225.00	128.54	128.87		0.33
55250.00	127.89	128.22		0.33
55275.00	127.41	127.72		0.31
55300.00	127.11	127.40		0.29
55325.00	126.92	127.25		0.33
55350.00	126.92	127.27		0.35
55375.00	127.07	127.32		0.25
55400.00	127.05	127.36		0.31
55425.00	127.18	127.53		0.35
55450.00	127.38	127.63		0.25
55475.00	127.38	127.57		0.19
55500.00	127.04	127.34		0.30
55525.00	126.68	127.01		0.33
55550.00	126.46	126.82		0.36
55575.00	126.48	126.78		0.30
55600.00	126.40	126.76		0.36
55625.00	126.53	126.85		0.32
55650.00	126.88	127.19		0.31
55675.00	127.39	127.74		0.35
55700.00	128.01	128.27		0.26
55725.00	128.47	128.73		0.26
55750.00	128.87	129.13		0.26
55775.00	129.17	129.46		0.29
55800.00	129.43	129.73		0.30
55825.00	129.60	129.93		0.33
55850.00	129.76	130.06		0.30
55875.00	129.87	130.13		0.26
55889.13				
55900.00	129.85	130.13		0.28
55925.00	129.82	130.07		0.25
55950.00	129.63	129.94		0.31
55975.00	129.44	129.74		0.30
56000.00	129.16	129.49		0.32
56025.00	128.91	129.22		0.31
56050.00	128.67	128.96		0.29
56075.00	128.44	128.77		0.33
56100.00	128.35	128.65		0.30
56125.00	128.24	128.53		0.29
56150.00	127.95	128.26		0.31
56175.00	127.53	127.84		0.31
56200.00	126.95	127.40		0.31

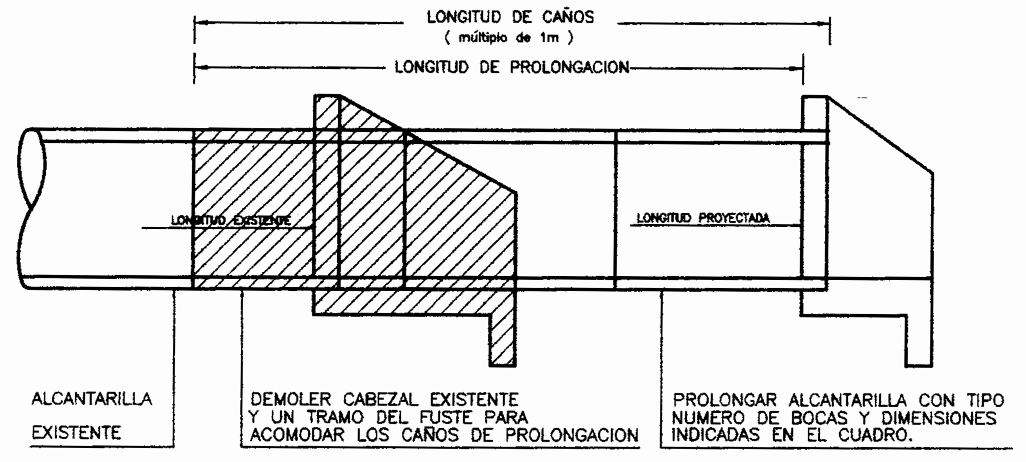
VOLUMEN																										
DESMONTE	193.28	171.82	111.21	58.32	41.30	55.38	53.52	23.85	33.33	75.57	75.19	89.99	16.18	42.61	64.71	85.90	92.49	88.87	132.96	134.36	87.03	68.09	128.91	208.10	141.05	95.25
TERRAPLEN	0.00	7.97	13.73	29.02	44.27	54.05	87.69	47.60	54.33	74.65	46.63	32.00	5.77	89.74	149.76	69.95	13.88	27.99	19.99	24.42	68.58	83.46	39.19	1.65	35.40	40.31

∑ D= 1796 m3
∑ T= 1045 m3
∑ Tx1,15= 1202 m3

∑ D= 641 m3
∑ T= 117 m3
∑ Tx1,15= 134 m3

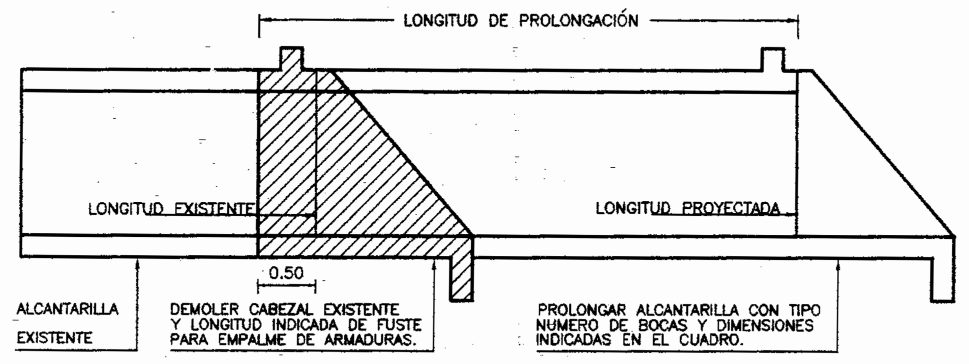
DETALLE PROLONGACION DE ALCANTARILLAS CON TIPO Z

CORTE LONGITUDINAL



DETALLE PROLONGACION DE ALCANTARILLAS CON TIPOS H o F.

CORTE LONGITUDINAL



CUADRO DE ALCANTARILLAS

PROGRESIVA	COTA PAVIM.	ALCANTARILLA PROYECTADA Tipo	Bocas	Dimens.	CZ(eje)	p(%)	Esviaje	Longitud izq.	der.	total	prol.	Cota zampeado izq.	der.	VOLUMEN HGON. (m3)	LONG. CAÑOS (ml) ø 50	ø 60	ø 80	OBSERVACIONES	LAMINA TIPO
35K565	100.08	Z	1	ø 80	98.56	- 0.3	---	5.82	5.92	11.74	---	98.58	98.54	2.61	---	---	13.0	Sustituye alcantarilla progresiva 35K562.	251
37K057	95.57	H	1	75x50	93.88	+ 0.0	---	7.53	7.52	---	5.85	93.88	93.88	2.49	---	---	---	Prolongar con alcantarilla tipo H especial (*)(**). Zanjar salida.	236
37K682	93.54	Z	2	ø 80	91.79	+ 1.6	---	7.02	6.38	13.40	---	91.68	91.89	3.83	---	---	28.0	Sustituye alcantarilla progresiva 37K679.	251
37K977	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
38K180	98.92	Z	1	ø 80	96.43	+ 1.0	---	6.07	5.72	11.79	---	96.37	96.49	2.61	---	---	13.0	Sustituye alcantarilla progresiva 38K177.	251
38K650	101.20	Z	1	ø 80	99.72	+ 1.0	---	6.07	5.68	11.75	---	99.66	99.78	2.61	---	---	13.0	Sustituye alcantarilla progresiva 38K653.	251
39K199	99.45	Z	1	ø 80	97.89	- 1.9	---	5.76	6.47	12.23	---	98.00	97.77	2.61	---	---	13.0	Sustituye alcantarilla progresiva 39K202. Zanjar salida.	251
39K463	98.00	Z	1	ø 80	96.32	+ 0.5	---	6.46	6.26	12.72	---	96.29	96.35	2.61	---	---	14.0	Sustituye alcantarilla progresiva 39K466.	251
40K182	98.89	Z	3	ø 80	96.90	+ 2.2	---	7.91	6.93	14.84	---	96.73	97.05	5.05	---	---	48.0	Sustituye alcantarilla progresiva 40K185.	251
41K455	108.41	Z	1	ø 80	106.97	- 0.8	---	5.64	5.90	11.54	---	107.02	106.92	2.61	---	---	12.0	Sustituye alcantarilla progresiva 41K452. Zanjar salida.	251
42K080	106.35	Z	2	ø 80	104.77	+ 2.1	---	6.58	5.80	12.38	---	104.63	104.89	3.83	---	---	26.0	Sustituye alcantarilla progresiva 42K077.	251
43K096	107.49	Z	1	ø 80	106.00	- 1.6	---	5.64	6.20	11.84	---	106.09	105.90	2.61	---	---	13.0	Sustituye alcantarilla progresiva 43K096. Zanjar salida.	251
44K041	107.99	H	2	75x50	106.55	+ 0.5	---	6.39	6.63	---	4.29	106.52	106.58	3.23	---	---	---	Prolongar con alcantarilla tipo H especial (*).	236
45K091	114.06	Z	1	ø 80	112.59	- 0.2	---	5.79	5.89	11.68	---	112.60	112.58	2.61	---	---	13.0	Sustituye alcantarilla progresiva 45K094. Zanjar salida.	251
45K443	110.89	Z	1	ø 80	109.37	+ 0.9	---	6.06	5.74	11.80	---	109.32	109.42	2.61	---	---	13.0	Sustituye alcantarilla progresiva 45K440.	251
46K200	115.40	Z	1	ø 80	113.91	+ 0.9	---	6.08	5.76	11.84	---	113.85	113.96	2.61	---	---	13.0	Sustituye alcantarilla progresiva 46K203.	251
46K732	111.70	Z	1	ø 80	110.22	- 0.7	---	5.76	6.00	11.76	---	110.26	110.18	2.61	---	---	13.0	Sustituye alcantarilla progresiva 46K729.	251
47K129	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
47K335	111.07	Z	1	ø 80	109.37	- 0.5	---	6.44	6.64	13.08	---	109.40	109.34	2.61	---	---	14.0	Sustituye alcantarilla progresiva 47K332.	251
47K832	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
49K370	114.39	Z	1	ø 80	112.87	+ 1.0	---	5.84	5.50	11.34	---	112.81	112.93	2.61	---	---	12.0	Sustituye alcantarilla progresiva 49K367.	251
49K901	120.71	Z	1	ø 80	119.32	- 0.2	---	5.56	5.63	11.19	---	119.33	119.31	2.61	---	---	12.0	Sustituye alcantarilla progresiva 49K898. Zanjar salida.	251
50K584	112.10	Z	2	ø 60	110.44	- 1.3	---	6.37	7.76	---	5.85	110.53	110.34	0.89	---	12.0	---	Prolongar con alcantarilla tipo Z.	251
51K491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
51K528	114.63	Z	1	ø 80	113.19	- 0.5	---	5.61	5.94	11.55	---	113.22	113.16	2.61	---	---	12.0	Sustituye alcantarilla progresiva 51K531.	251
51K785	112.66	Z	2	ø 50	110.94	- 2.1	---	7.03	8.29	---	4.85	111.09	110.77	0.81	10.0	---	---	Prolongar con alcantarilla tipo Z.	251
52K565	109.66	H	1	130x85	107.49	- 0.8	---	5.99	8.31	---	6.09	107.54	107.42	7.01	---	---	---	Prolongar con alcantarilla tipo H especial (*). Zanjar salida.	197
52K991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
53K187	114.89	Z	1	ø 80	113.15	- 2.1	---	5.70	6.47	12.17	---	113.27	113.01	2.61	---	---	13.0	Sustituye alcantarilla progresiva 53K184.	251
53K482	108.13	H	2	100x80	106.33	- 0.5	---	6.23	7.08	---	5.14	106.36	106.29	7.57	---	---	---	Prolongar con alcantarilla tipo H especial (*).	198
53K970	119.40	Z	1	ø 80	117.18	- 3.0	---	5.63	6.77	12.40	---	117.35	116.98	2.61	---	---	13.0	Sustituye alcantarilla progresiva 53K967.	251
54K275	124.56	Z	1	ø 50	123.06	- 1.5	---	7.08	7.74	---	4.85	123.17	122.94	0.54	5.0	---	---	Prolongar con alcantarilla tipo Z.	251
54K575	124.93	Z	1	ø 80	123.46	-1.0	---	5.65	6.00	---	---	123.52	123.40	2.61	---	---	1.0	Alcantarilla nueva.	251
54K917	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	SUPRIMIR	---
55K373	127.31	Z	1	ø 80	125.84	- 0.5	---	5.79	5.95	11.74	---	125.87	125.81	2.61	---	---	13.0	Sustituye alcantarilla progresiva 55K376.	251
55K559	126.80	Z	1	ø 60	125.18	- 1.7	---	7.35	7.60	---	4.85	125.30	125.05	0.58	---	5.0	---	Prolongar con alcantarilla tipo Z.	251
TOTALES														85.4	15.0	17.0	335.0		

NOTA:
(*) En aquellos casos especiales en que el desagüe no sea de sección cuadrada, se utilizará la alcantarilla tipo que corresponda a la dimensión horizontal (L), adaptándose su geometría a la dimensión vertical (A).

OBSERVACION:
(**) La alcantarilla existente se encuentra a contra-pendiente.
Se prolonga horizontal.

MINISTERIO DE TRANSPORTE Y OBRAS PUBLICAS
DIRECCION NACIONAL DE VIALIDAD

ESTUDIO Y PROYECTO
CONSORCIO
HIDROSUD-GRIMAUX

RUTA N° 25 – TRAMO: YOUNG – MENAFRA

PLANIMETRIA Y PERFIL LONGITUDINAL DE 55K000 A 56K200
CUADRO DE ALCANTARILLAS – DETALLES

PROYECTO:
Ing. FRANCISCO SIERRA
Ing. HECTOR SUDERA
Ing.Agrim. JOSE C. HANTZIS
Agrim. CARLOS ROLANDO
Tec. NESTOR TOMA

DIRECCION Y COODINACION:
Ing. ARTURO L. FORTEZA

SUPERVISION D.N.V.:
Ing.Agrim. LUIS FERRARI
Ing. GABRIEL LUONGO

DIRECTOR NACIONAL DE VIALIDAD:
Ing. JOSE AGUSTIN AGUERRE

ESCALAS:
Horiz: 1:2000
Vert: 1:200

PROYECTO N°:

FECHA:
ENERO 1998

N°DE LAMINA:
04-18

HOFESIO UNIVERSITARIO $ 16
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