

210	
88	
205	005

TABLA DE MATERIAL

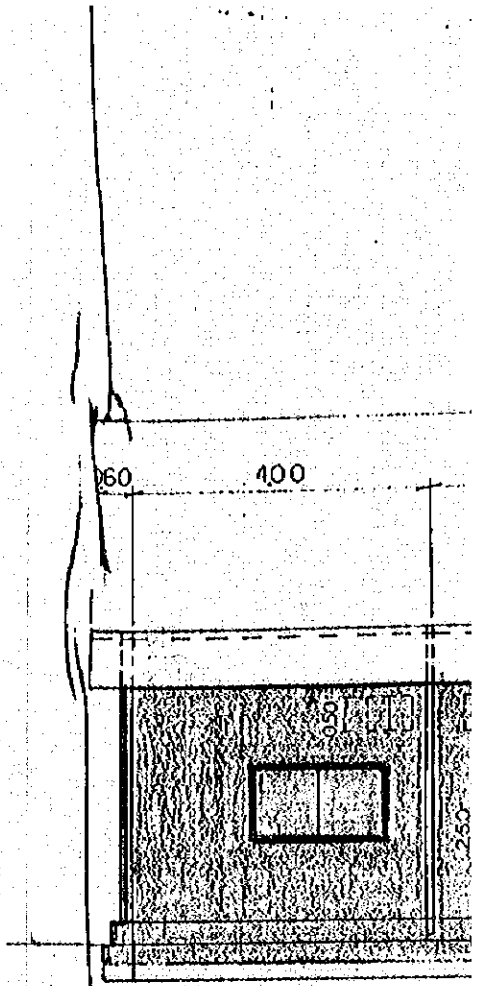
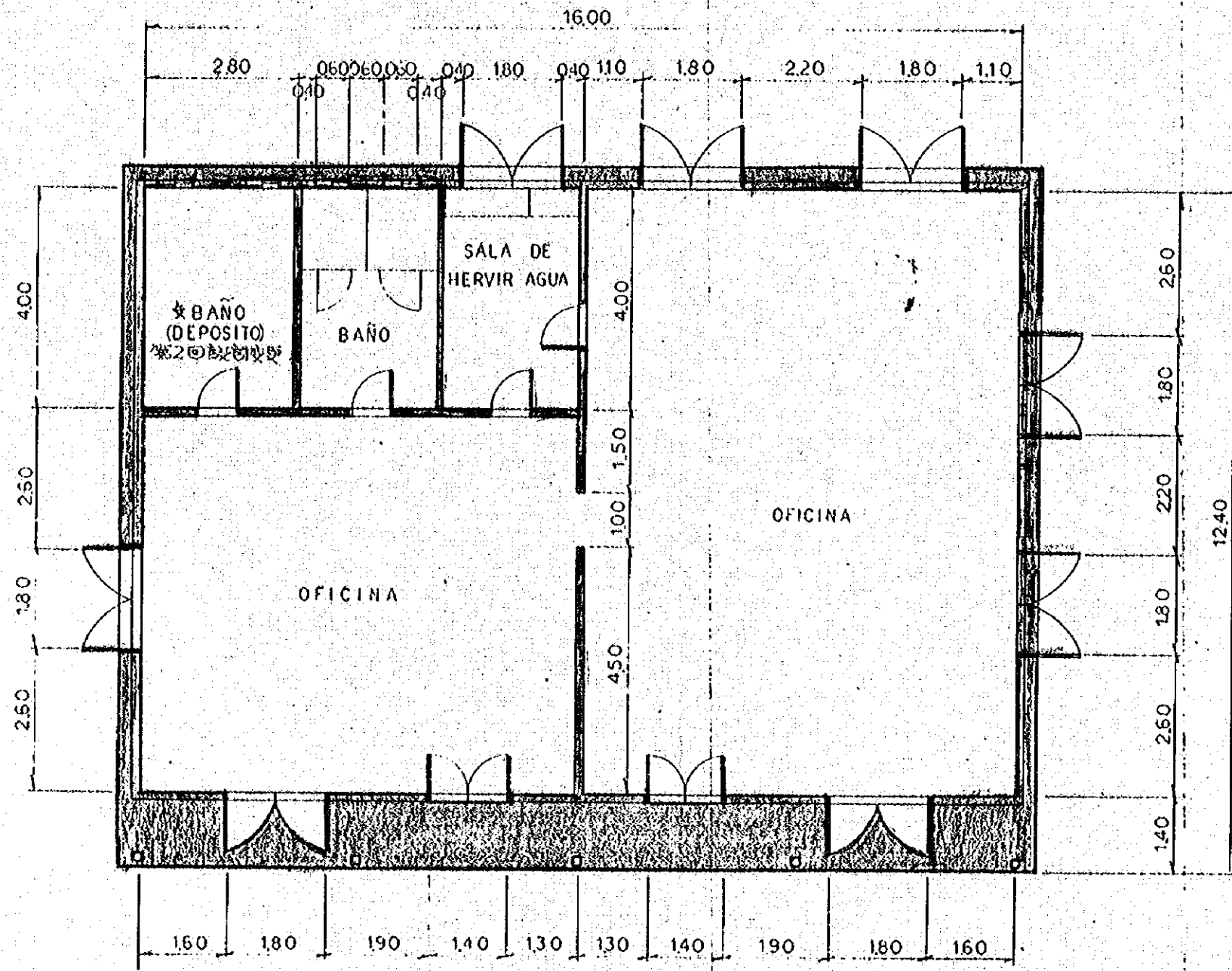
材料表

CLASIFICACION	DIAMETRO	LONGITUD	NUMERO	UNIDAD DE PESO	PESO POR UNO	PESO
特別	径 (mm)	長さ (mm)	本数	単位重量 (kg/m)	1本重量 (kg)	重量 (kg)
①	0 10	8100	23	0.560	4.536	104.328
②	0 10	6000	20	0.560	3.360	94.080
③	0 10	3900	4	0.560	2.184	8.736
④	0 10	600	56	0.560	0.336	18.816
						225.960

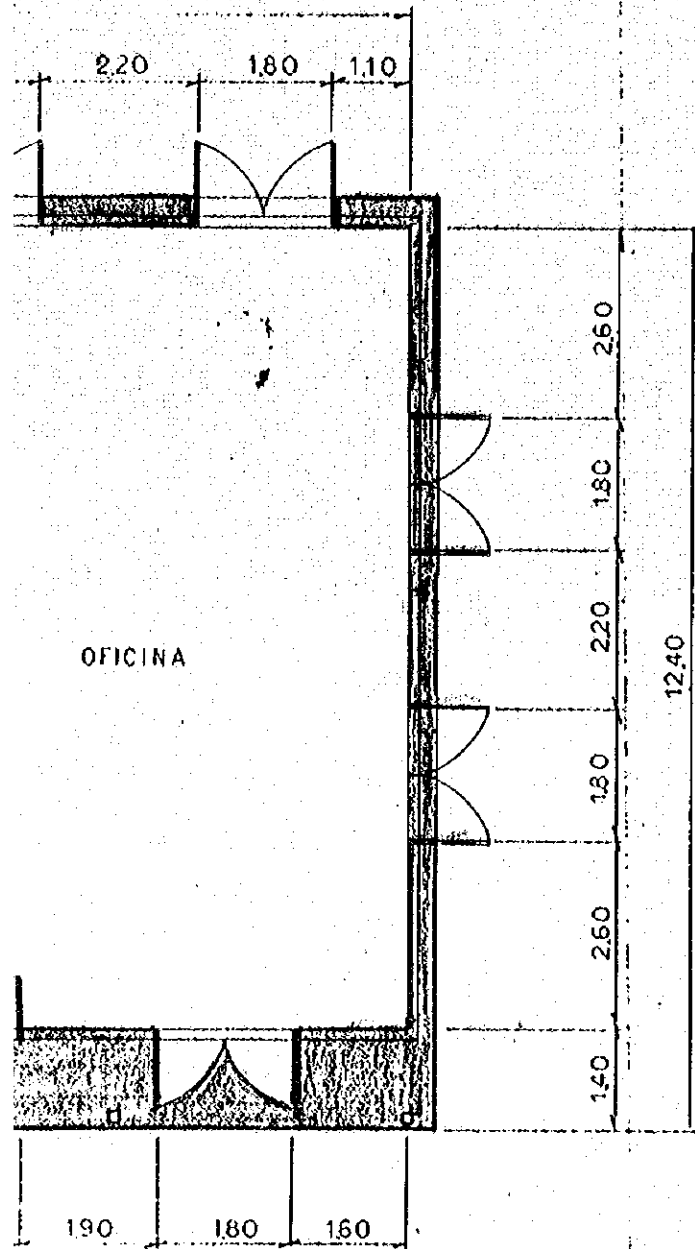
PLANO DE ESTRUCTURA 構造図	⑮ - ⑨
E = 1:50	③⑨ - ②①

OFICINA

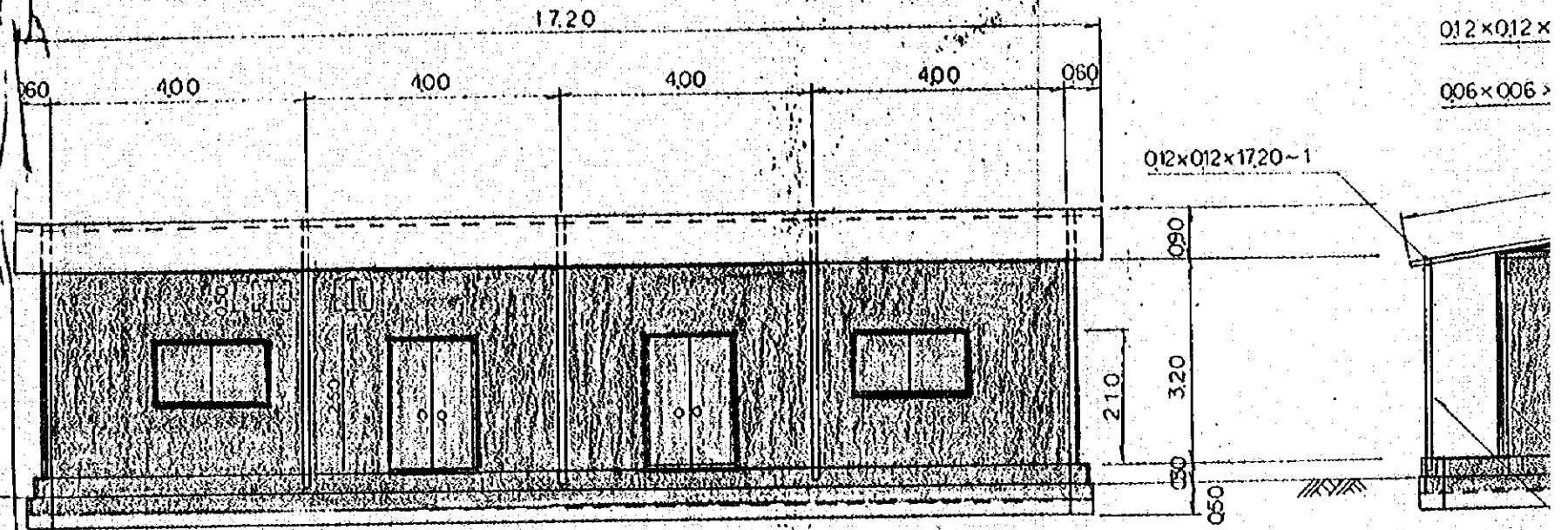
PLANTA



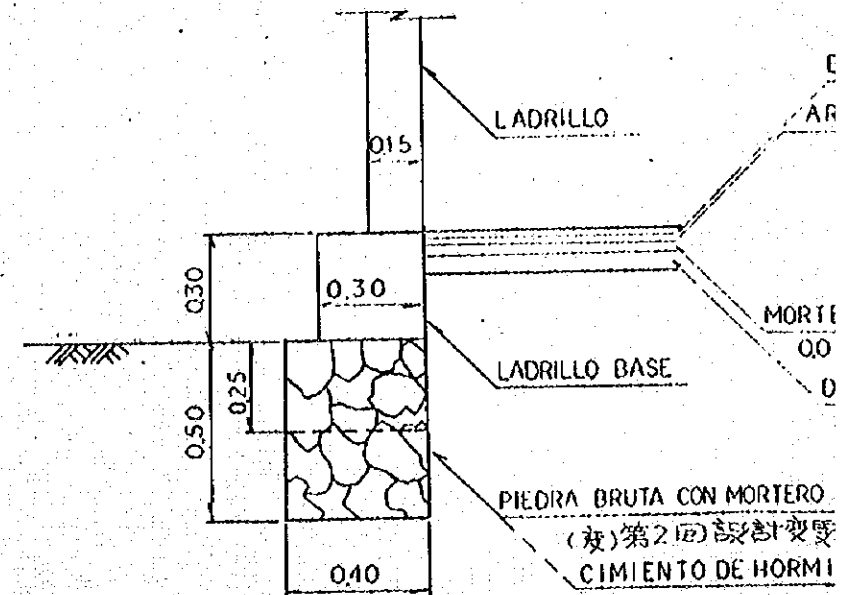
OFICINA



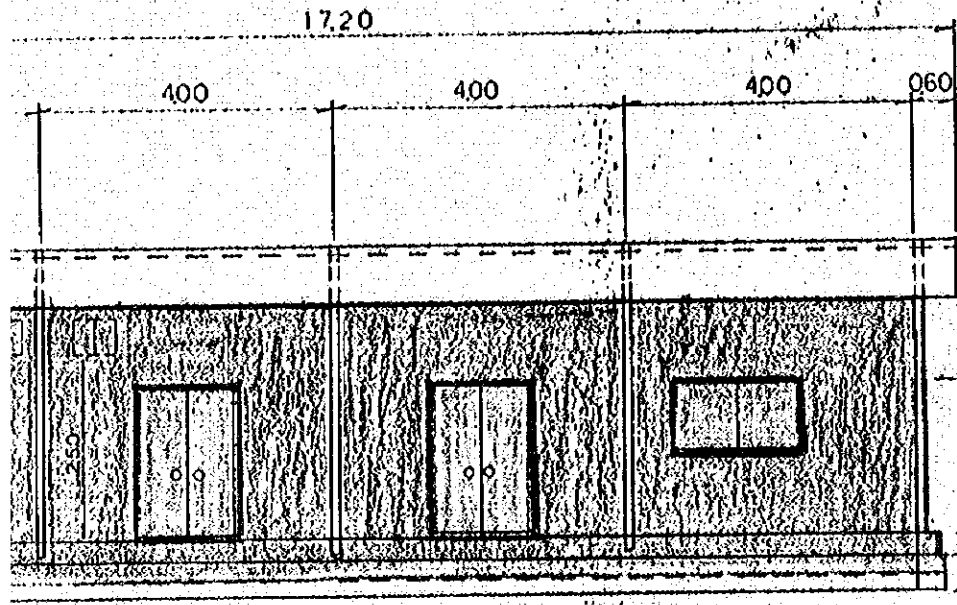
ELEVACION



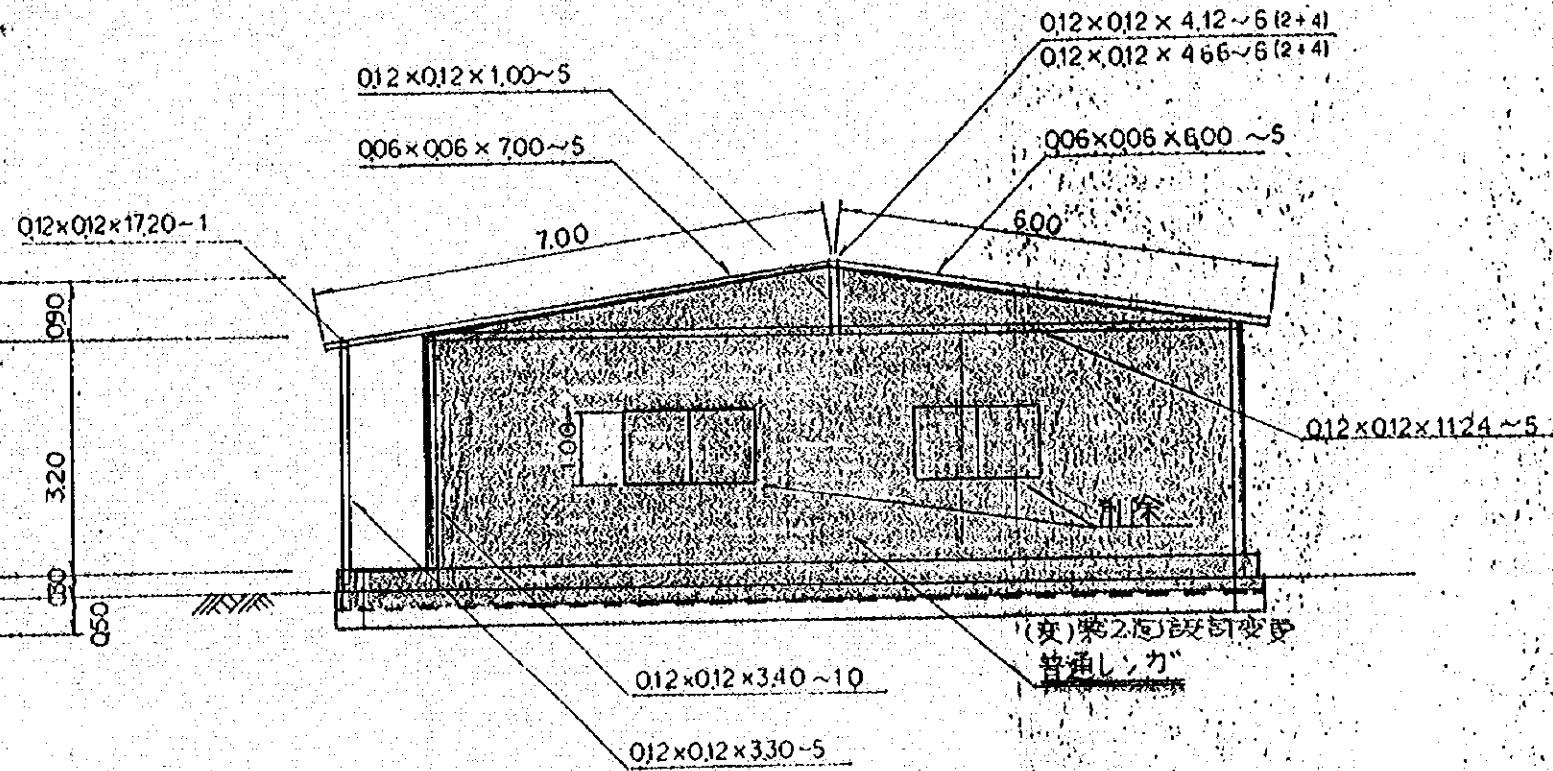
BASE E=1:20



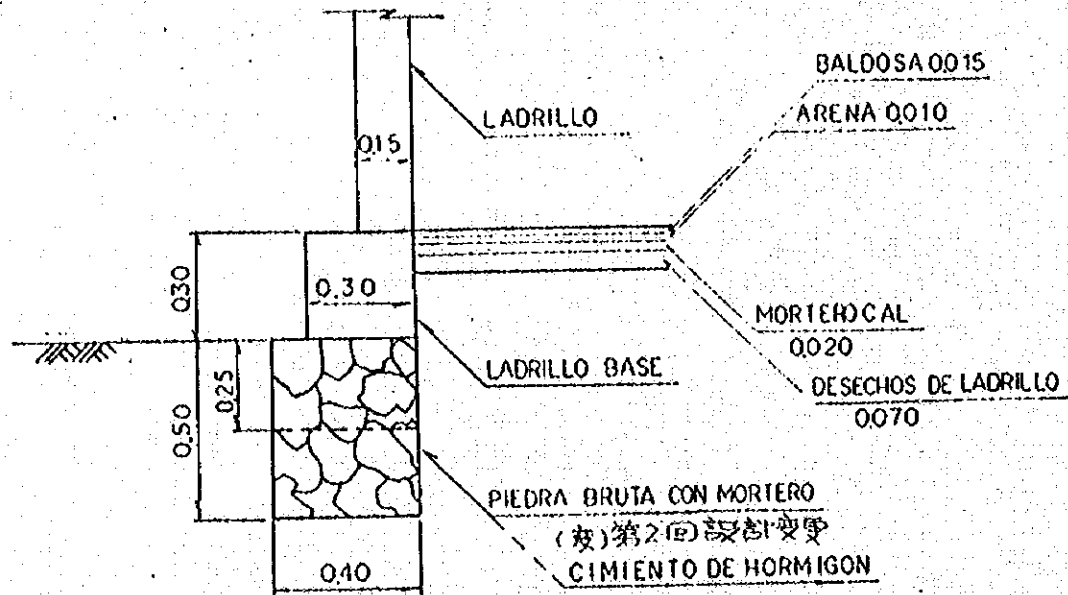
ELEVACION



LATERAL

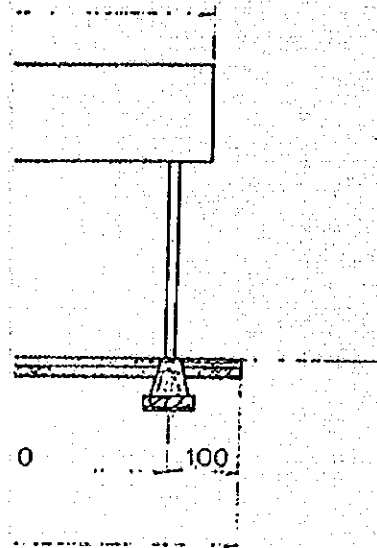


BASE E=1:20



PLANO DE ESTRUCTURA	(15)-(10)
E = 1:100	(39)-(22)

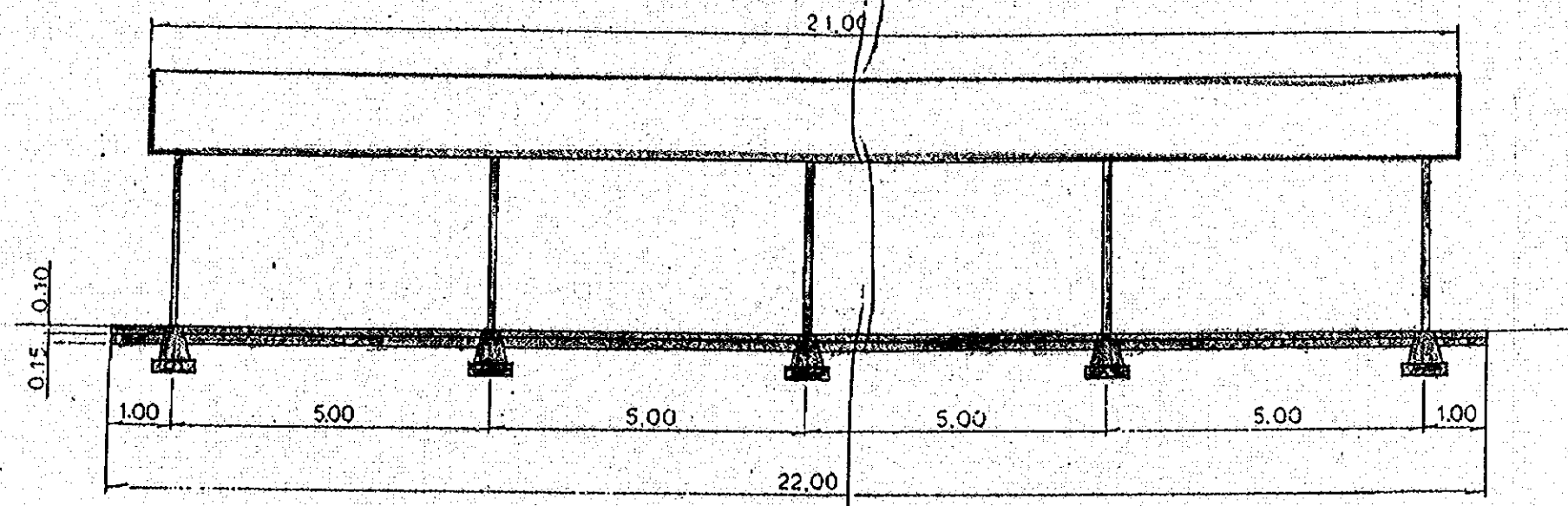
100



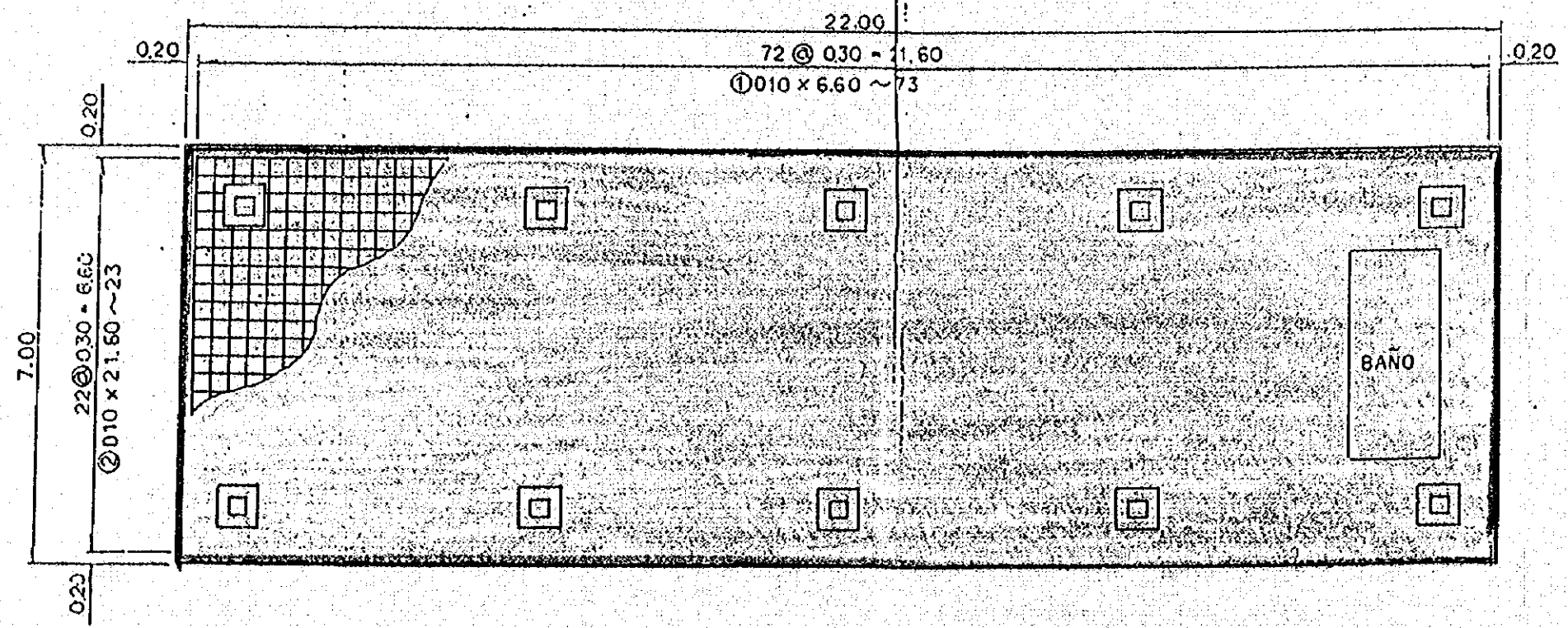
GARAJE - 8
車庫 E = 1:100

CASA PARA OPERACIONES
屋内作業所

ELEVACION
正面

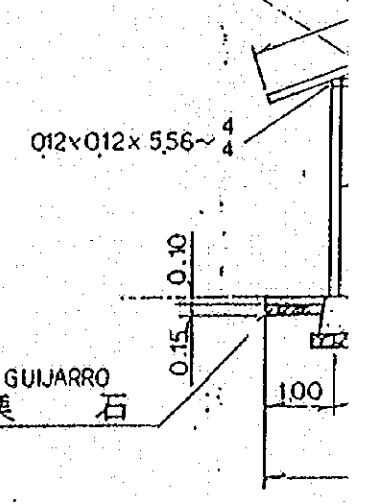


PLANTA
平面



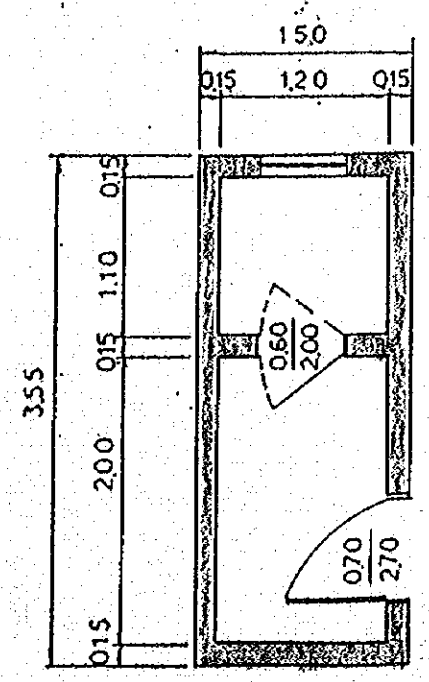
012 x 012 x 512 ~ 2
012 x 012 x 556 ~ 2

TEJADO DE ZINC
トタノ屋根



GUIJARRO
栗石

CASA PARA OPERACIONES
BAÑO E = 1:150

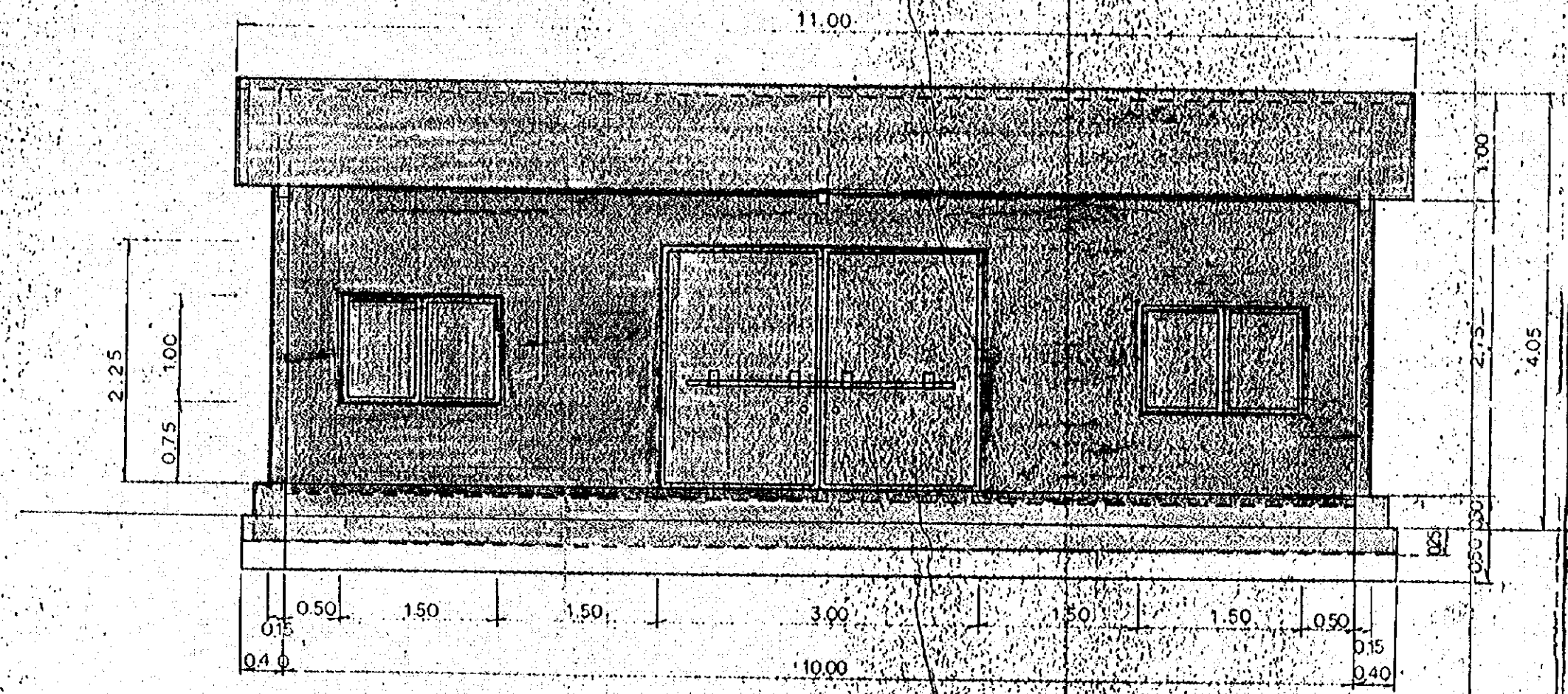


DEPOSITO DE
MATERIALES

機材庫

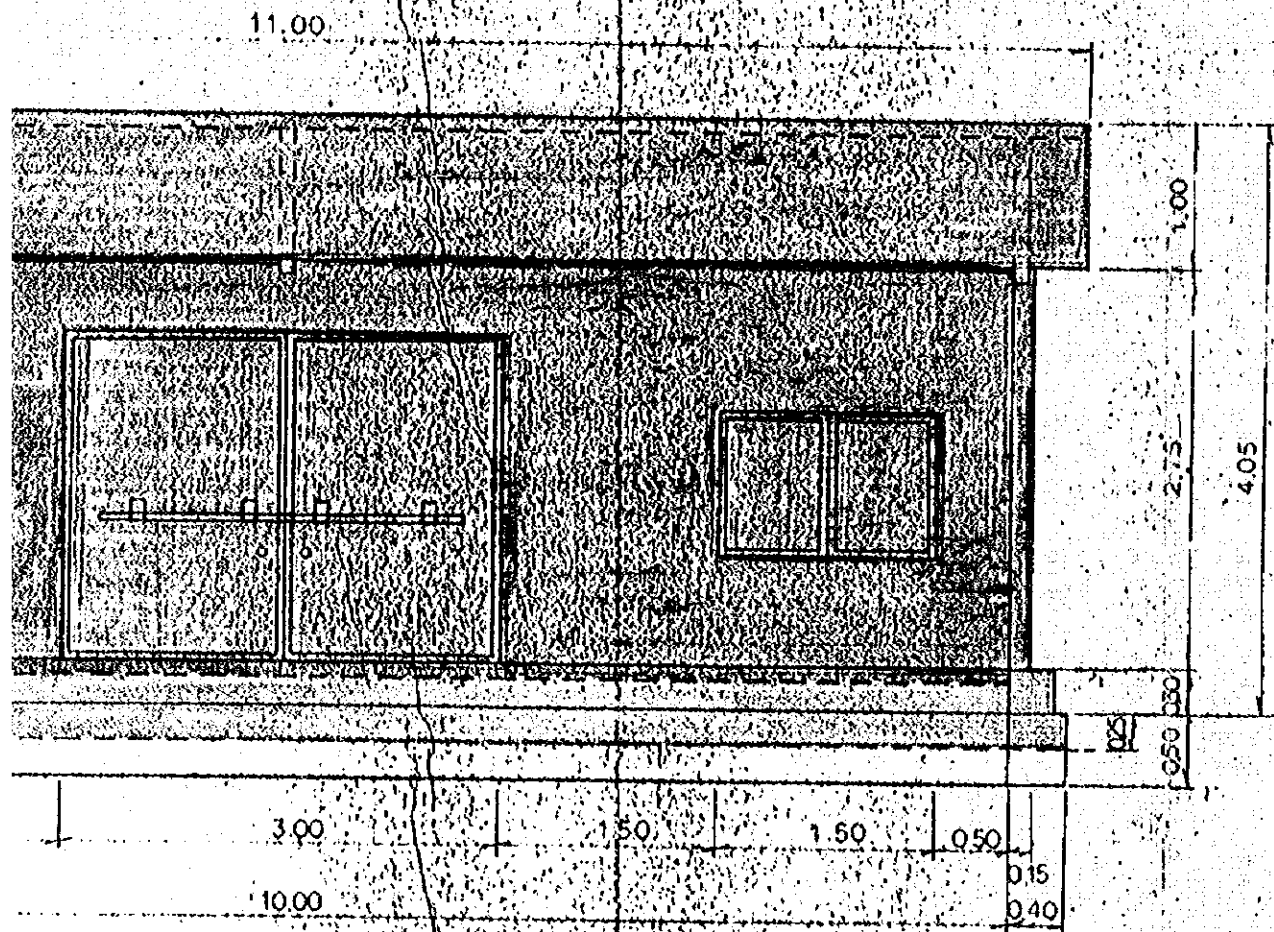
E-1-5

ELEVACION
正面図

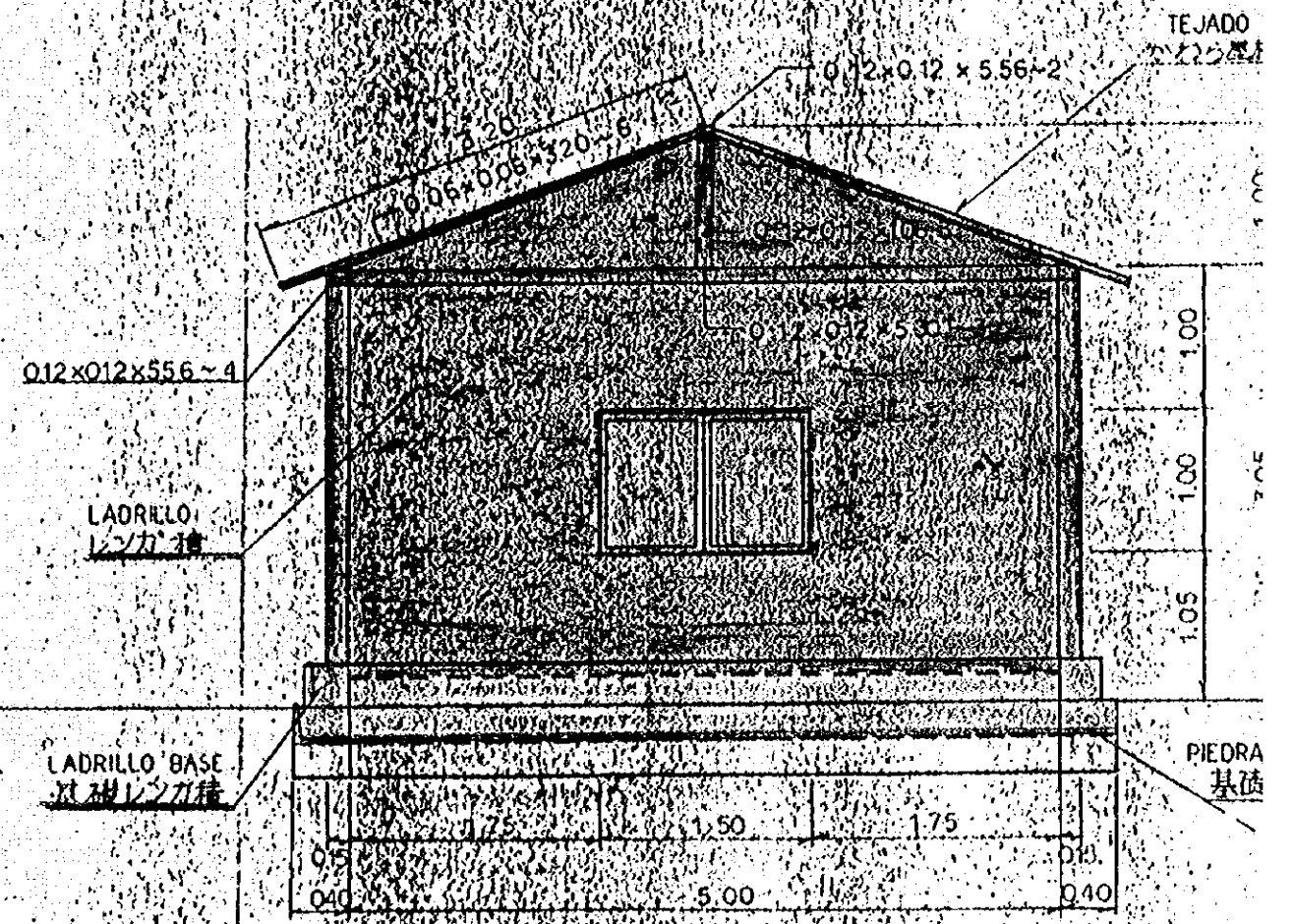


DEPOSITO DE
MATERIALES
機材庫 E-1:50

ELEVACION
正面図

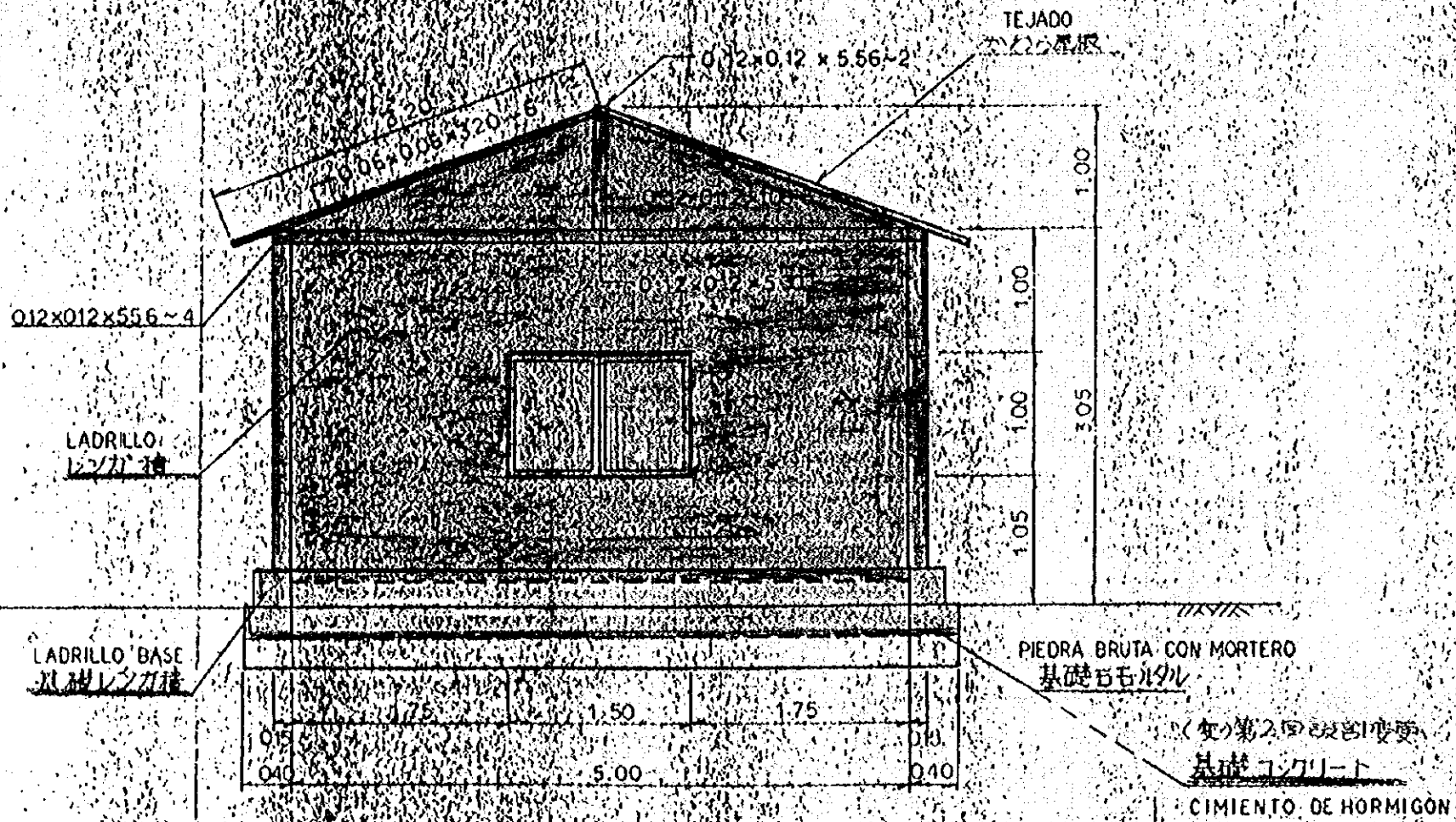


LATERAL
側面図



E-1-50

LATERAL
側面図



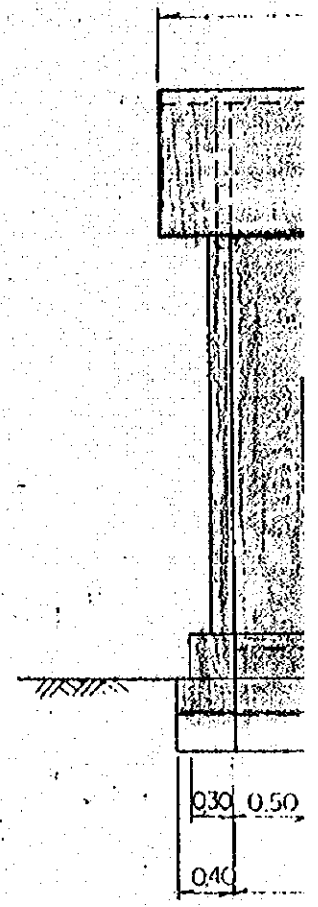
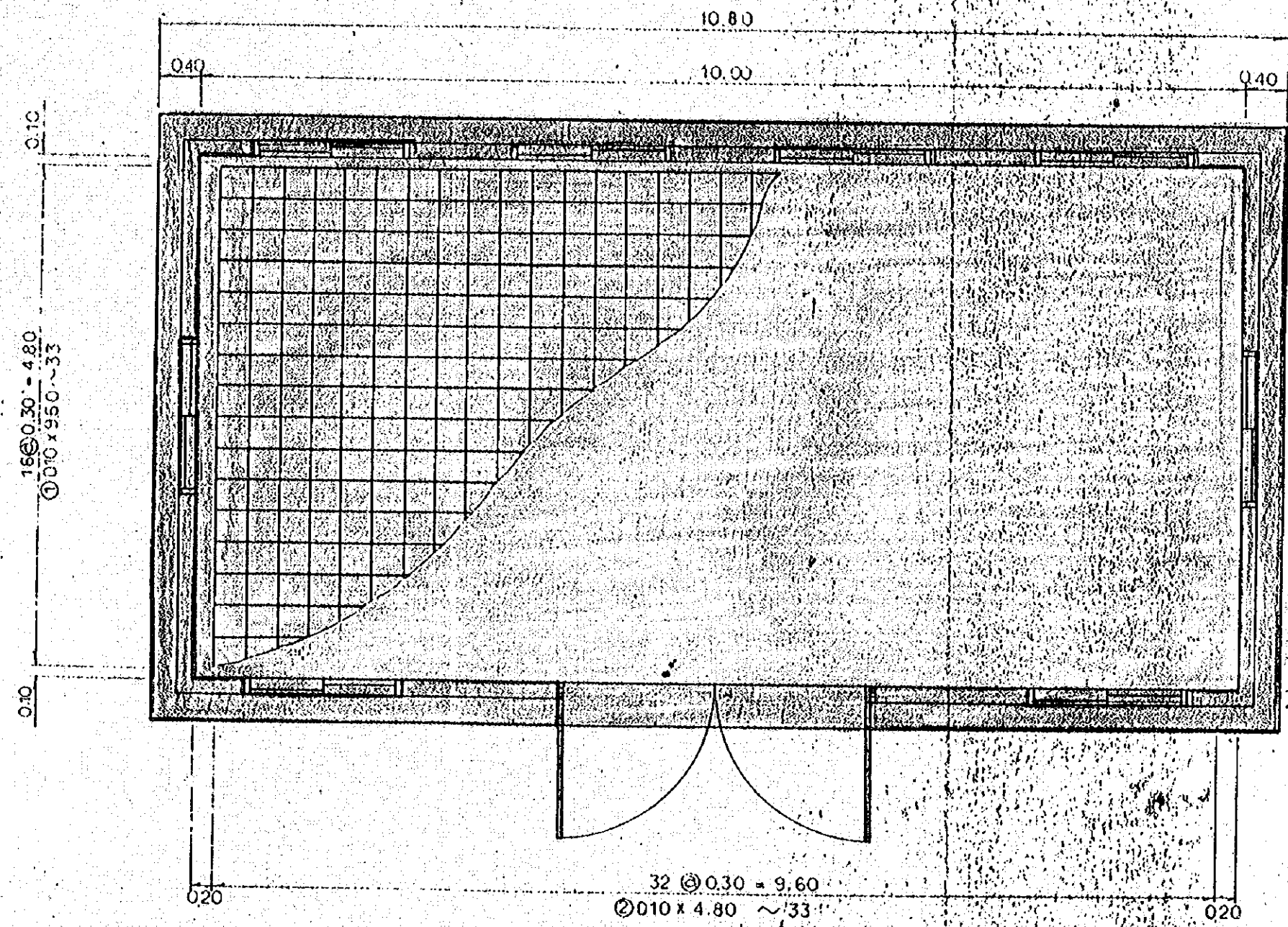
PLANO DE ESTRUCTURA 構造図	⑬ — ⑰
E-1-50	③⑨ — ④③

ALPÓSITO DE
MATERIALES

卷材庫

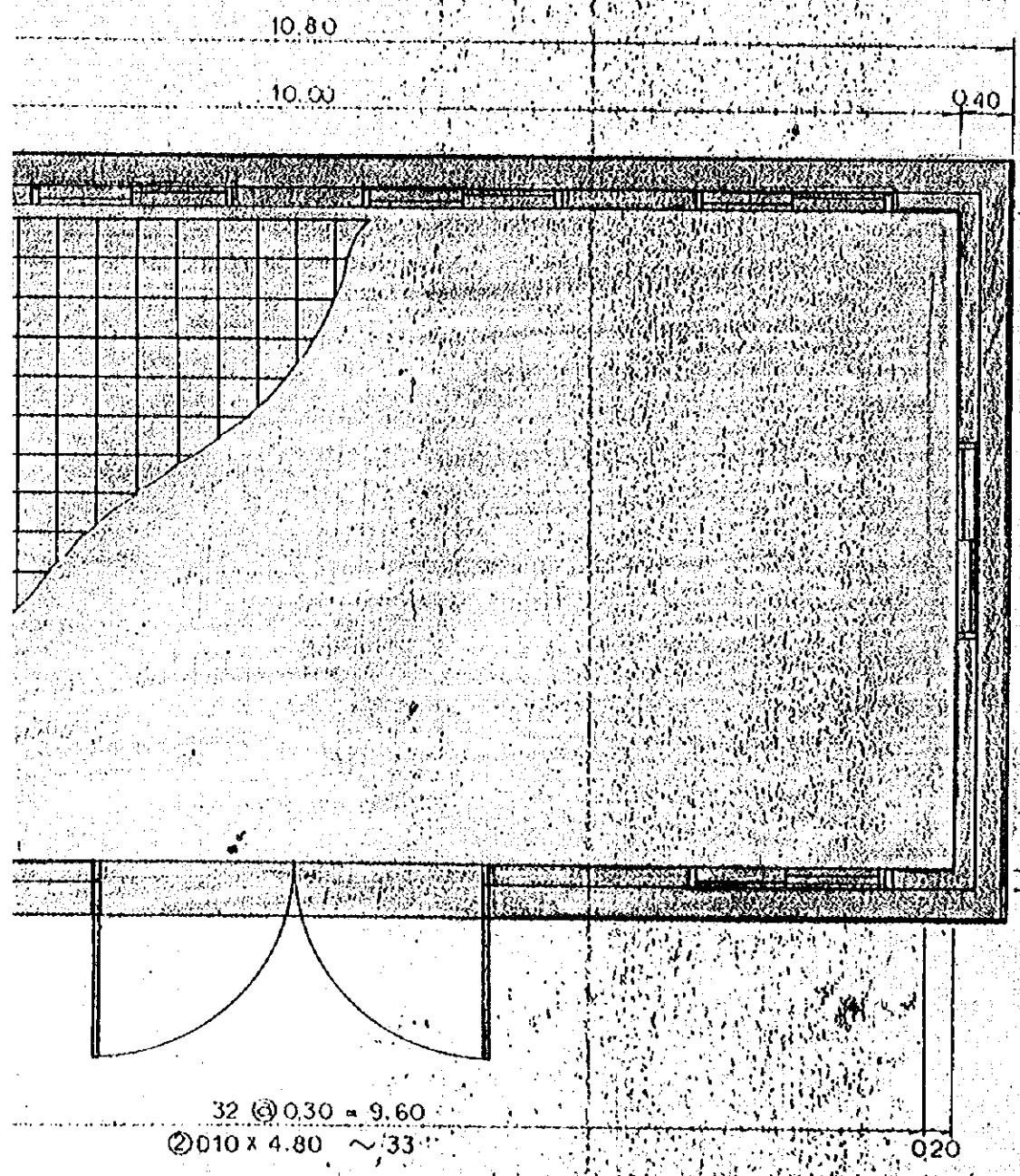
S = 1:1

PLANTA
平面図

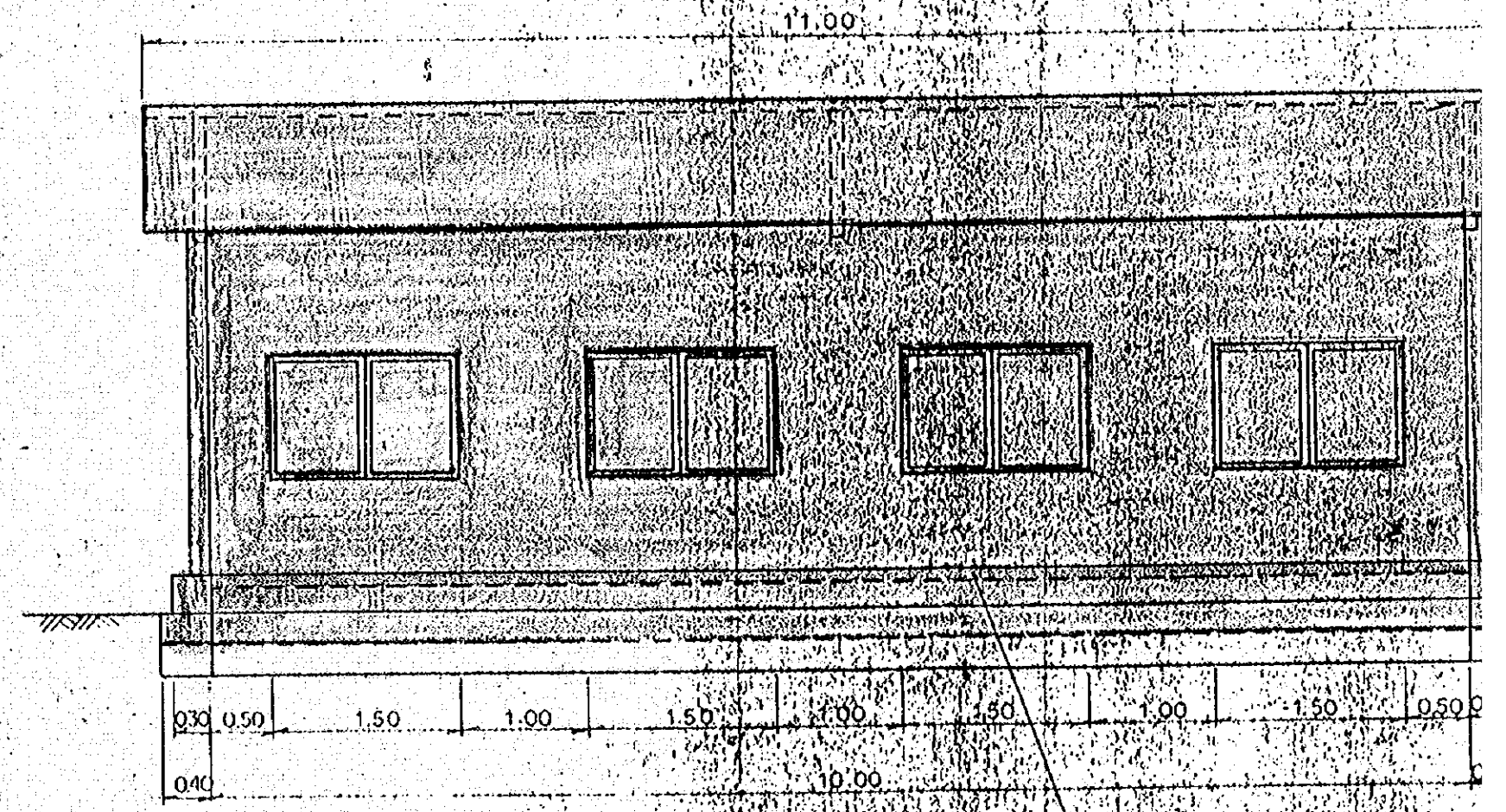


DEPOSITO DE MATERIALES
 材料庫 S=1:50

PLANTA
 平面図



REVES
 立面図

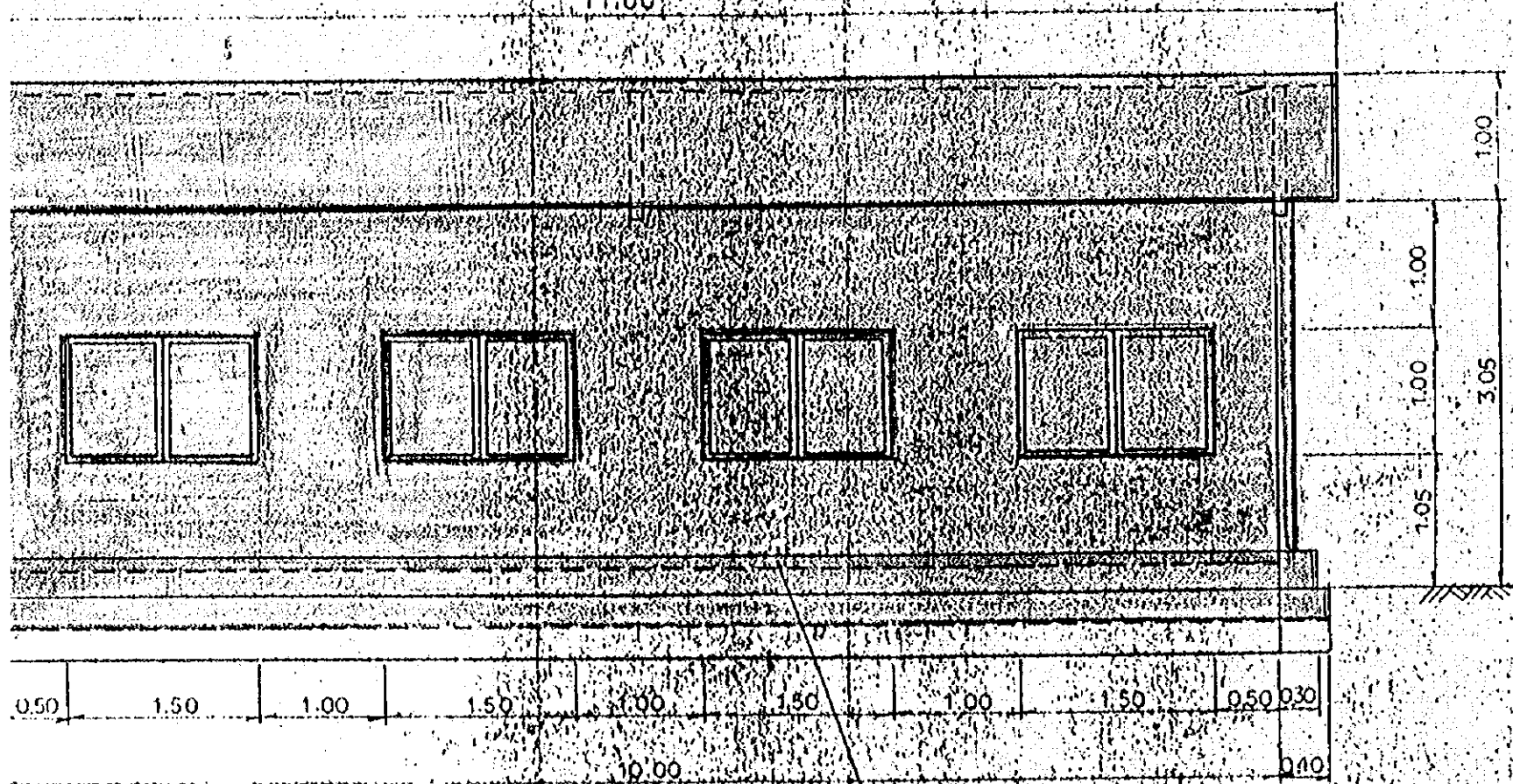


HORMIGON ARMADO
 鉄筋コンクリート

1:50

REVES
背面図

11.00



HORMIGON ARMADO
鉄筋コンクリート

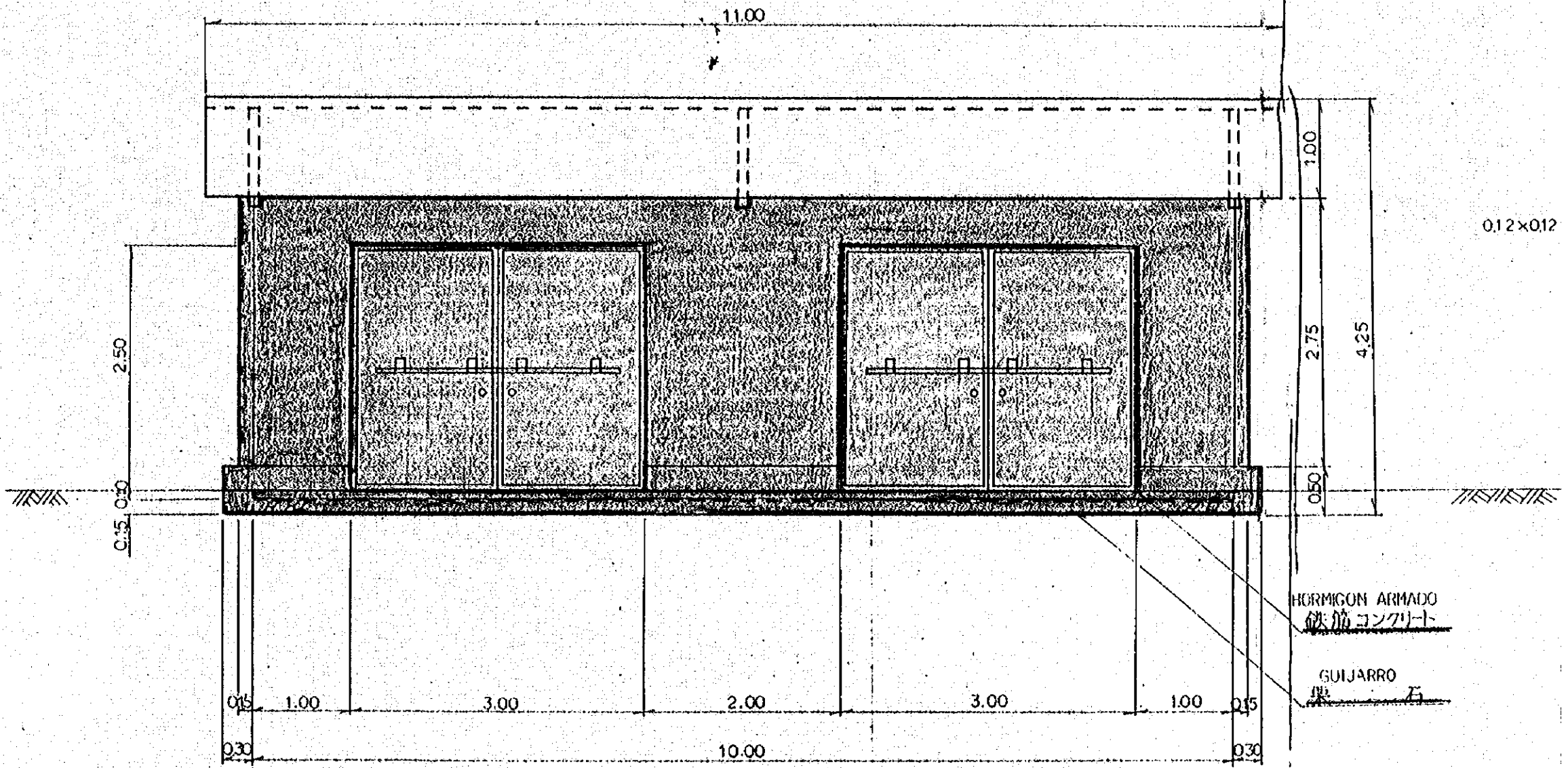
TABLA DE MATERIAL
材料小表

CLASIFICACION 種別	DIAMETRO 径	LONGITUD 長さ (m)	NUMERO 本数	UNIDAD 単位 (kg/m)	PESO POR UNO 単個重量 (kg)	PESO 重 (kg)
①	0.10	9.600	37	0.560	5.376	91.392
②	0.10	4.800	23	0.560	2.688	88.704
						180.096

PLANO DE ESTRUCTURA 構造図	⑬—⑫
E-1150	③—④

TALLER MECANICO
機械維修工

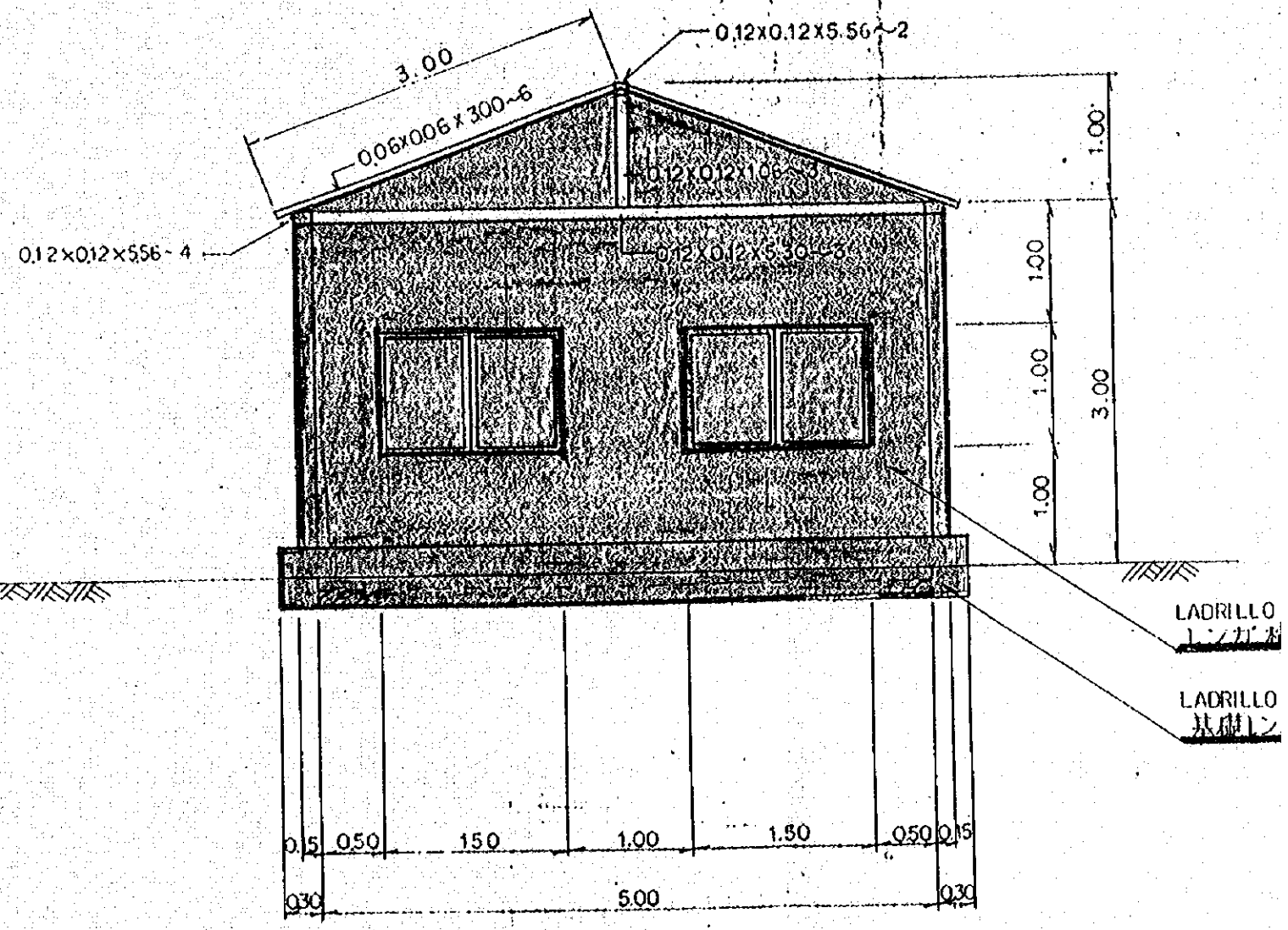
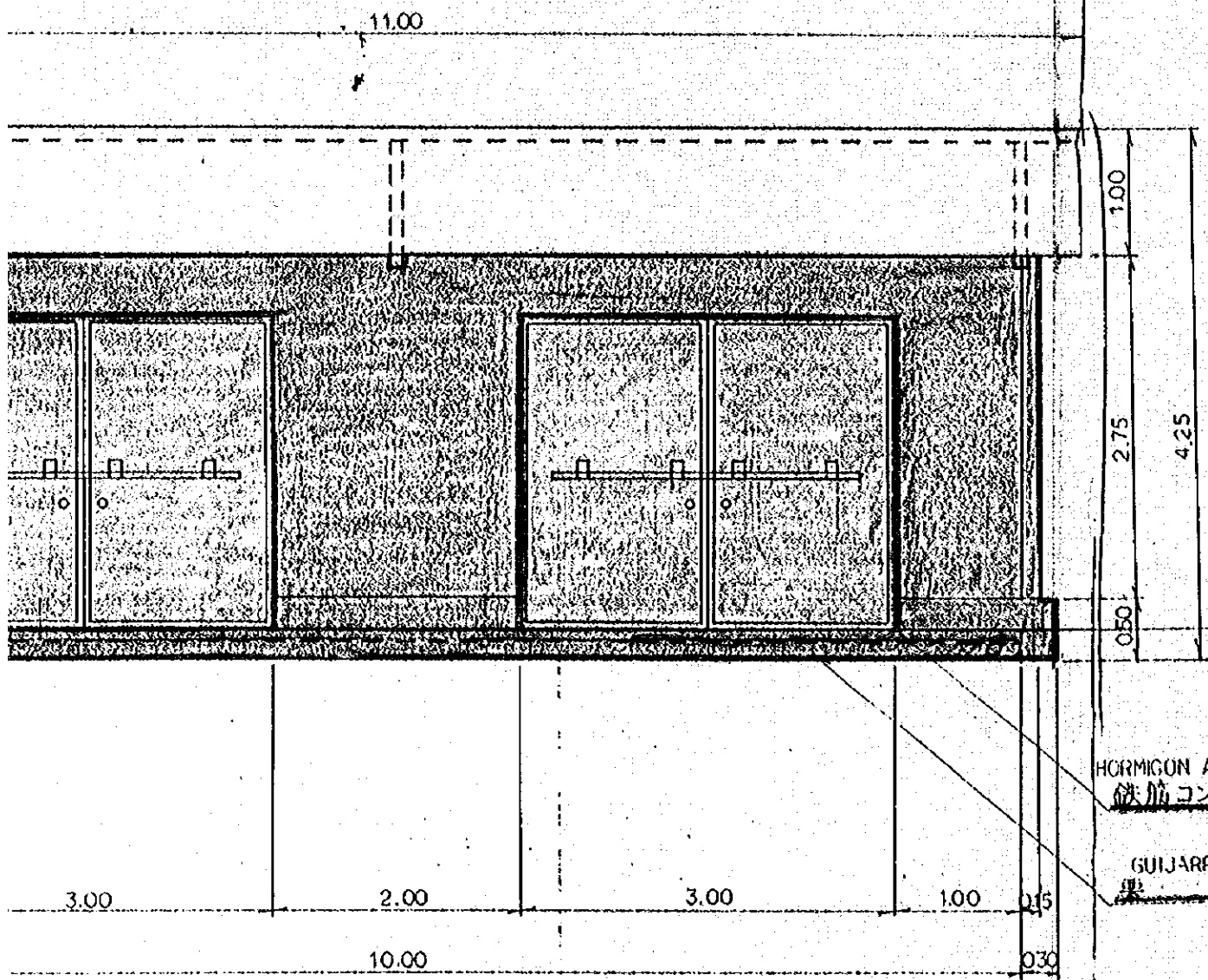
ELEVACION
正面圖



TALLER MECANICO
 機械維修工場 E=1:50

ELEVACION
 正面図

LATERAL
 側面図



HORMIGON ARMADO
 鉄筋コンクリート

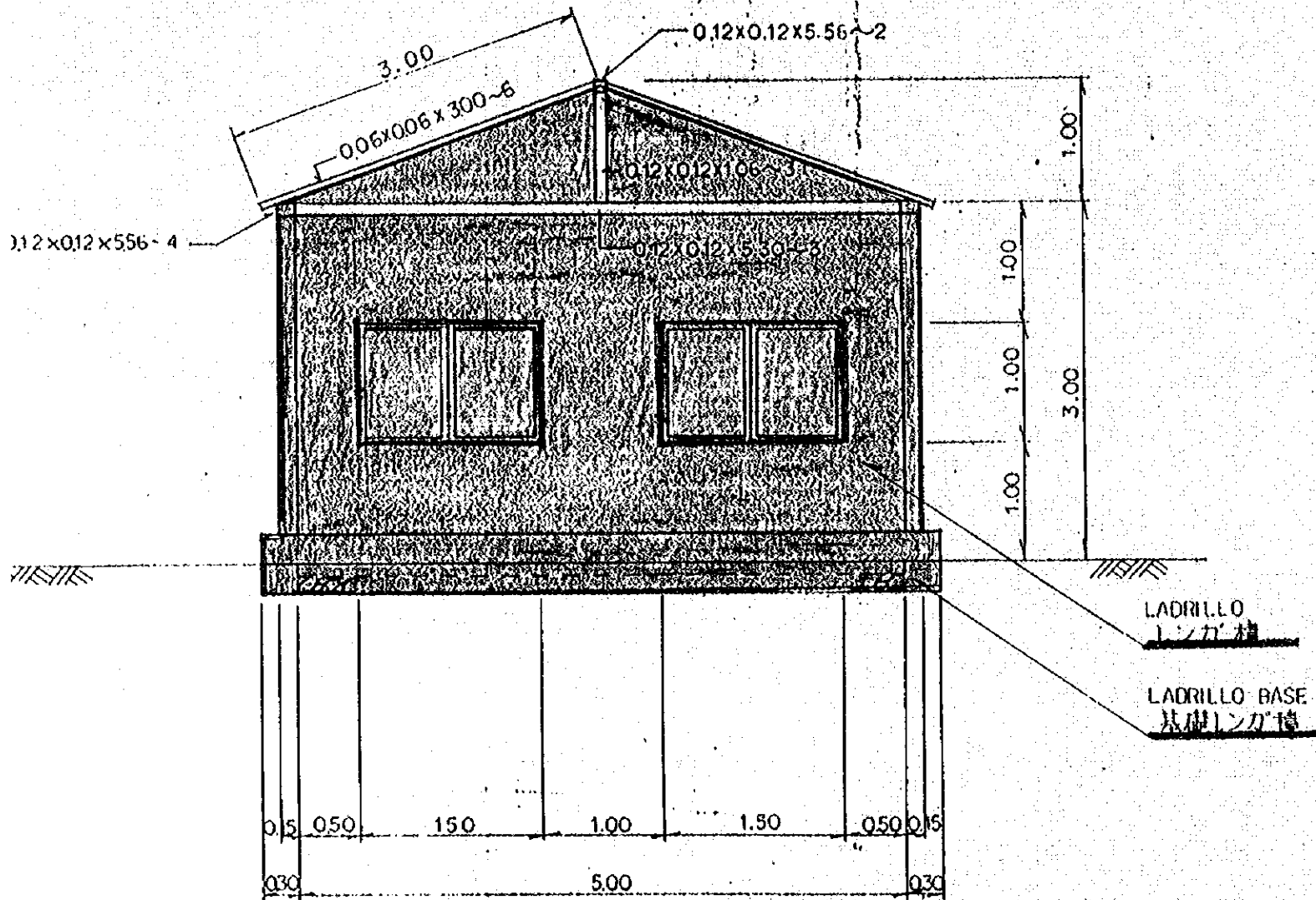
GUIJARRO
 果石

LADRILLO
 レンガ

LADRILLO
 基礎

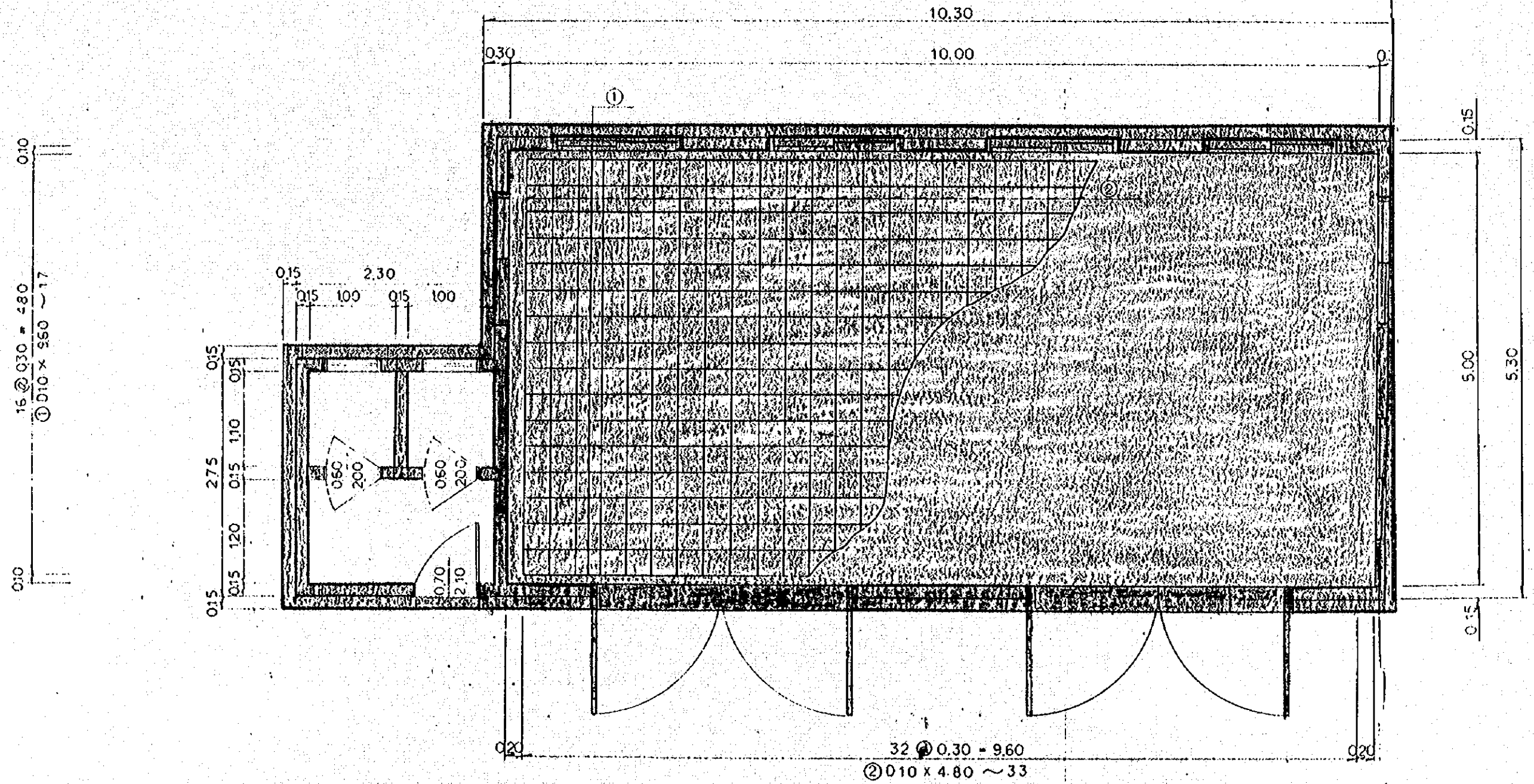
工場 E=1:50

LATERAL
側面図



PLANO DE ESTRUCTURA	(15) --- (13)
構造図	
E=1:50	(39) --- (25)

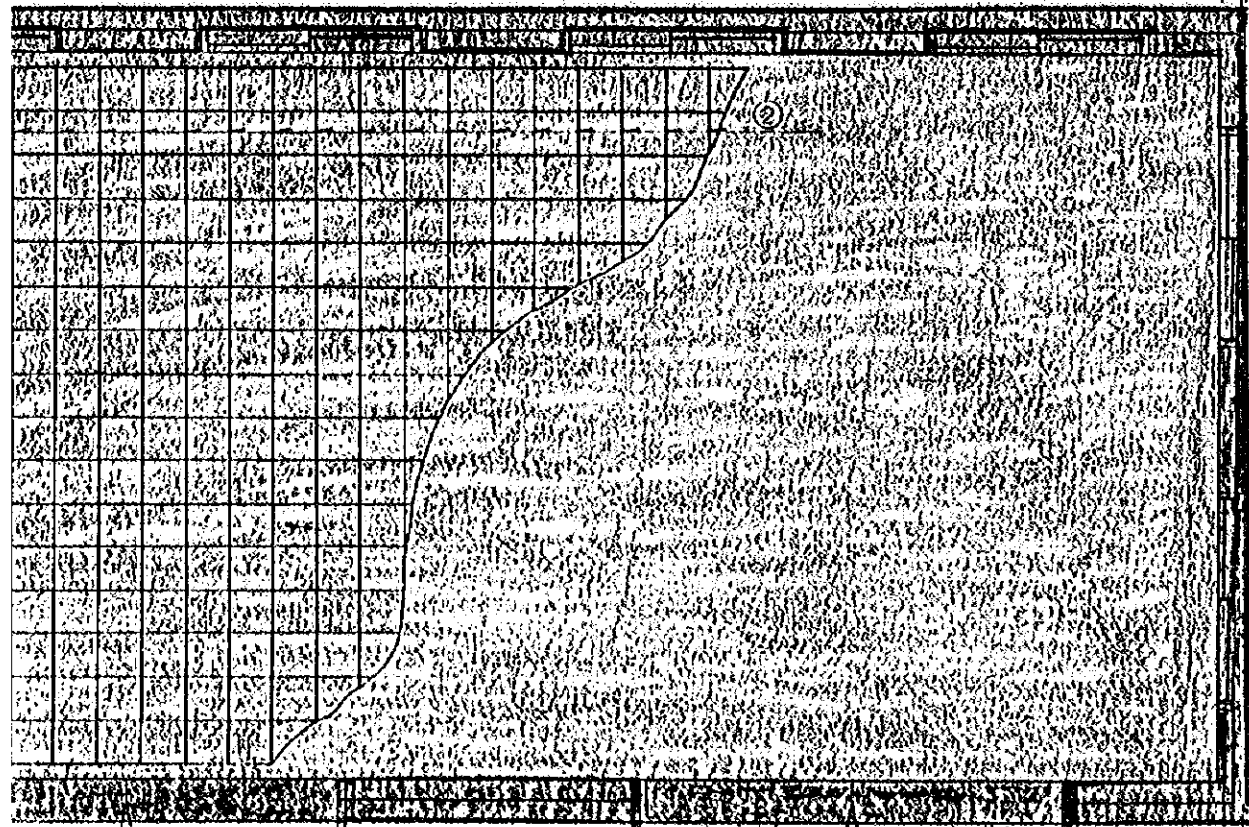
PLANTA
 平 面 圖



PLANTA
平面図

10.30

10.00

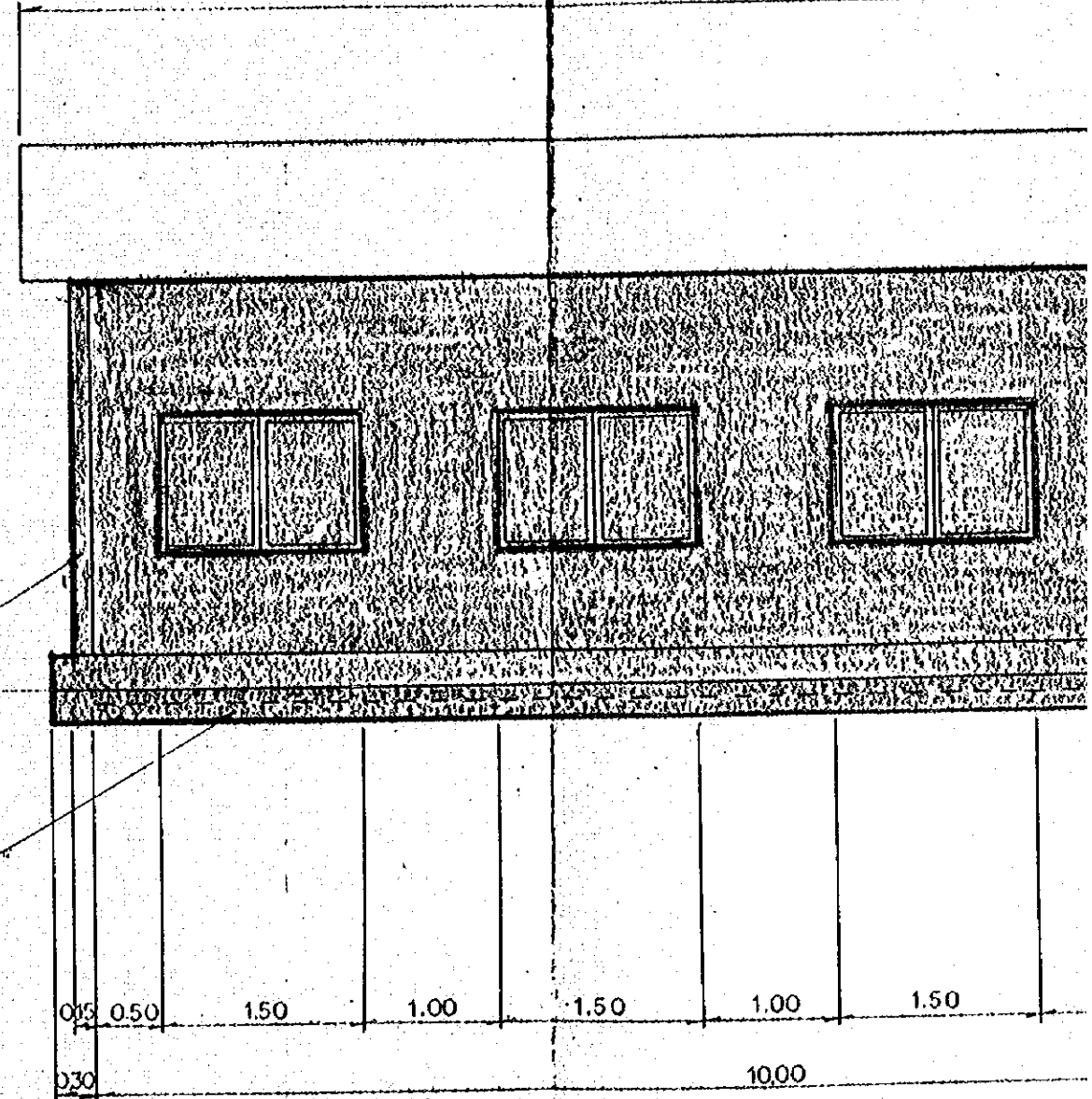


32 @ 0.30 - 9.60
② Ø10 x 4.80 ~ 33

TALLER MECANICO
機械組修工場 E-1:50

REVES
背面図

11.00

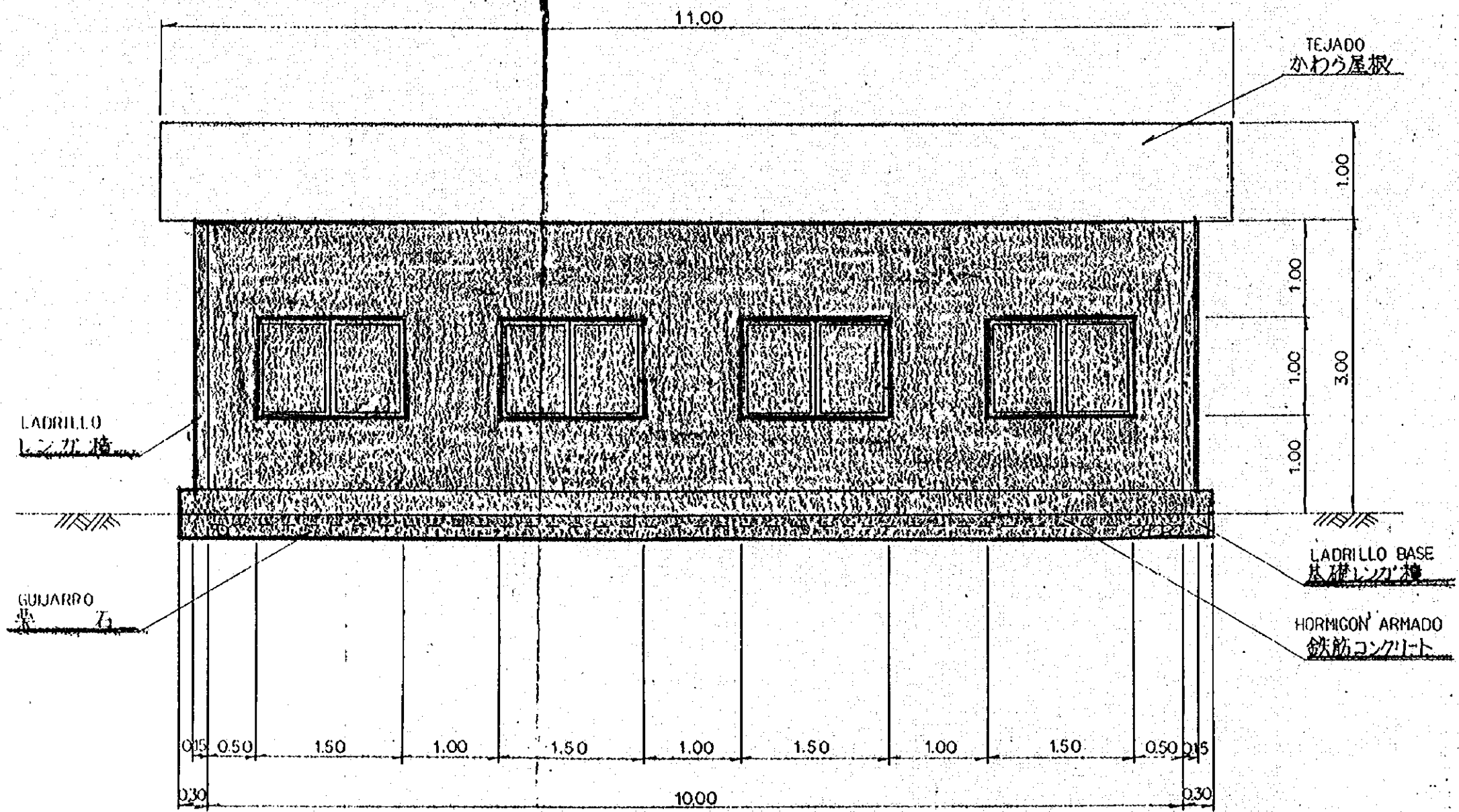


LADRILLO
レンガ積

GUJARRO
炭石

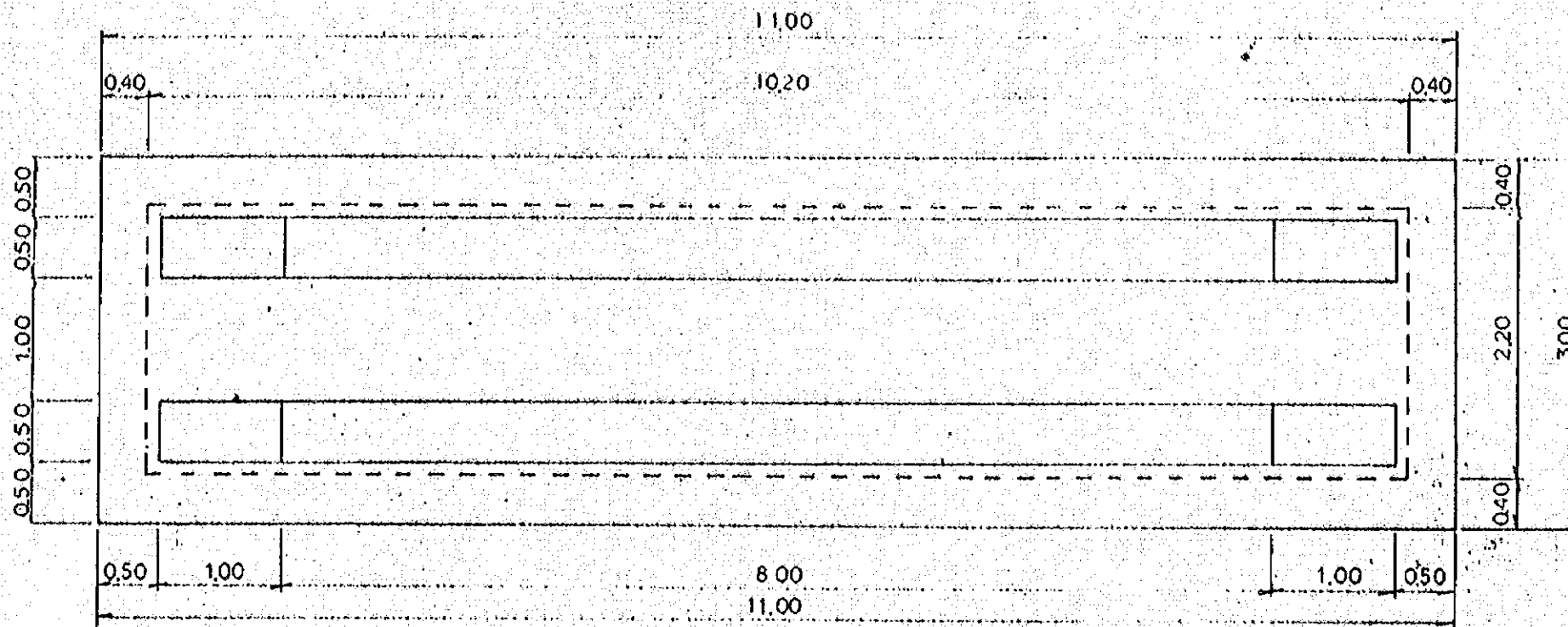
修工場 E-1:50

REVES
背面図

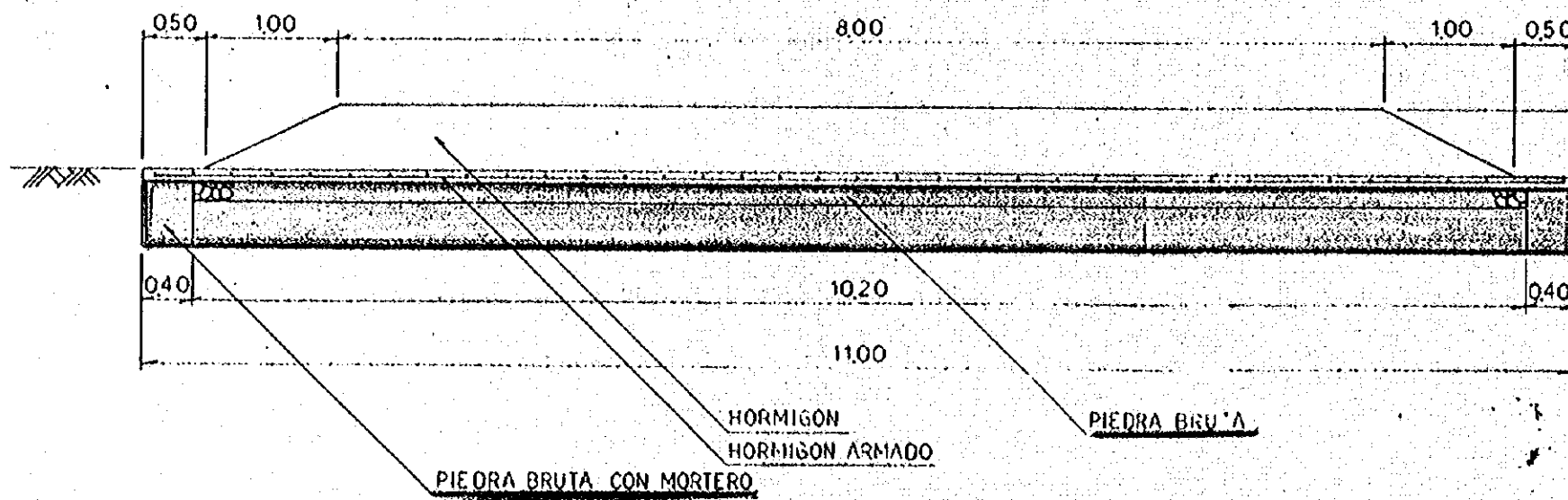


PLANO DE ESTRUCTURA 構造図	(15) — (14)
E-1:50	(39) — (26)

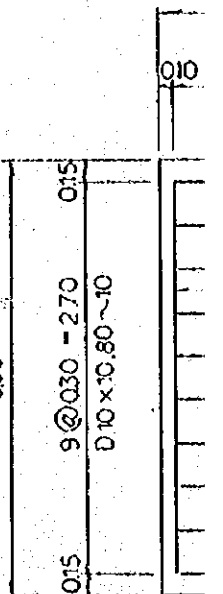
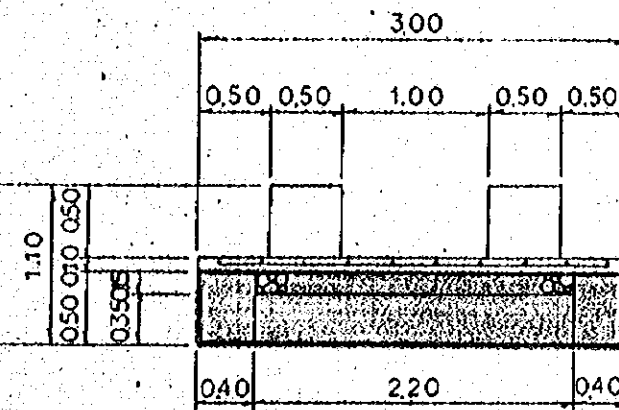
PLANTA



LATERAL



ELEVACION



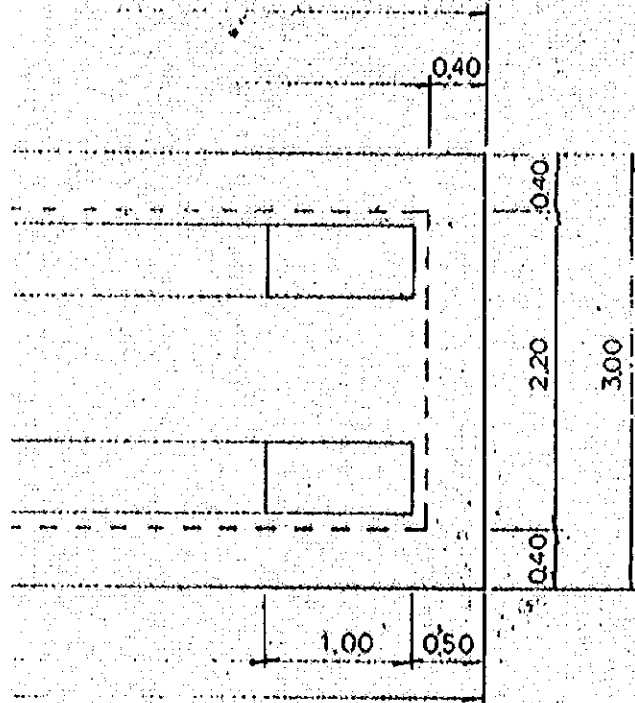
EL

①

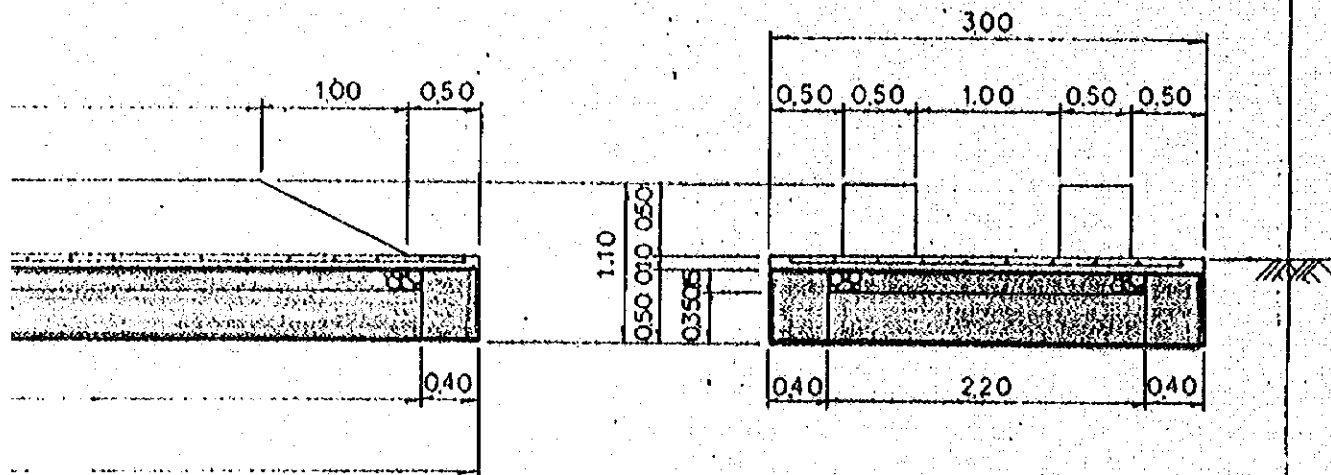
②

TALLER MECANICO
 機械維修場 E:1:50

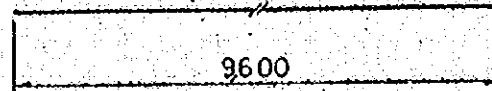
ELABORACION ARMADO
 鉄筋加工図



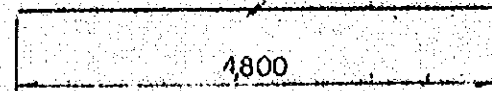
ELEVACION



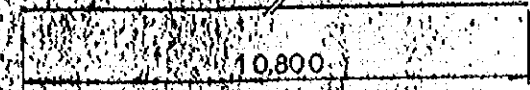
① $\varnothing 10 \times 9600 \sim 17$



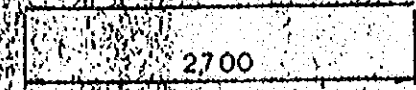
② $\varnothing 10 \times 4800 \sim 33$



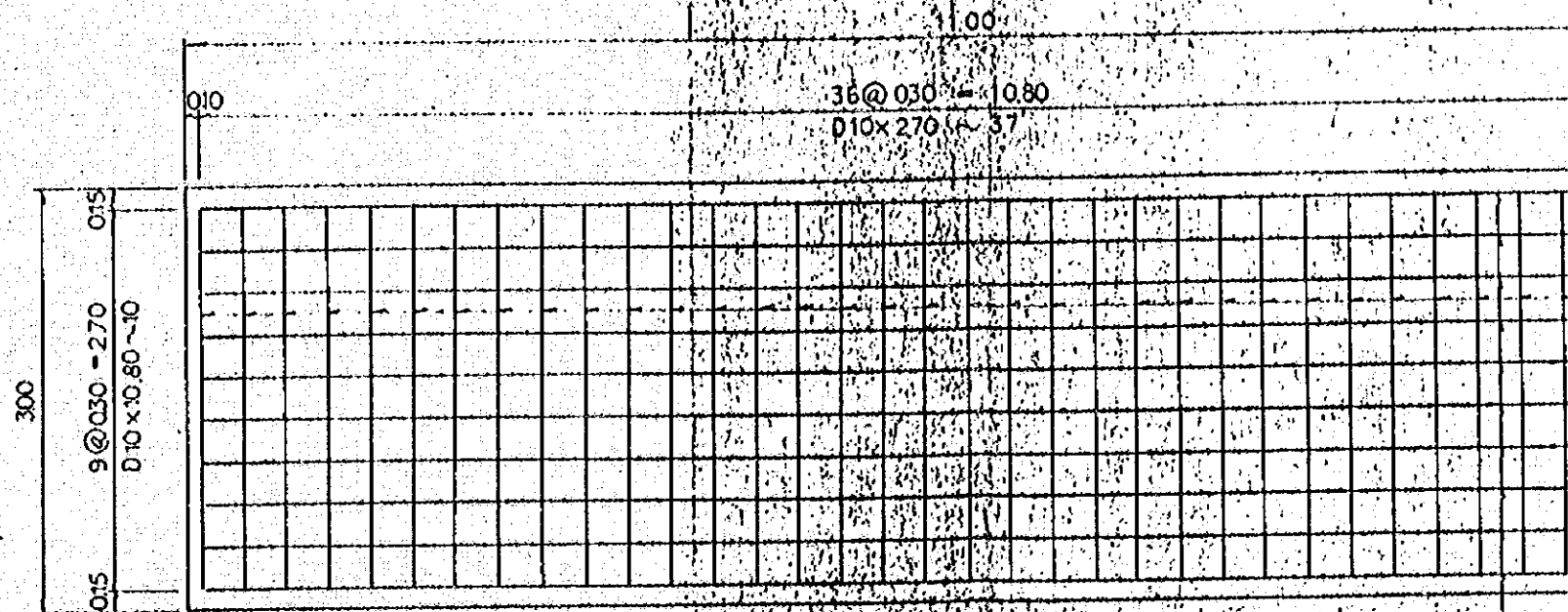
③ $\varnothing 10 \times 10800 \sim 10$



④ $\varnothing 10 \times 2700 \sim 37$



MONTAJE DE ARMADO



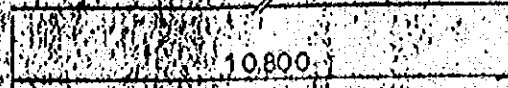
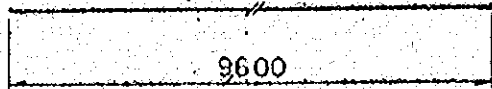
BRUTA

1:50

ELABORACION ARMADO
鉄筋加工図

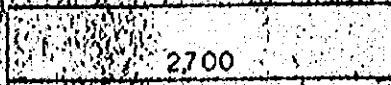
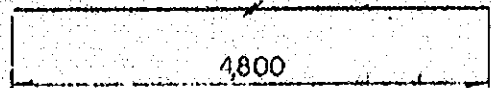
① D10 x 9600 ~ 17

③ D10 x 10800 ~ 10



② D10 x 4800 ~ 33

④ D10 x 2700 ~ 37



MONTAJE DE ARMADO

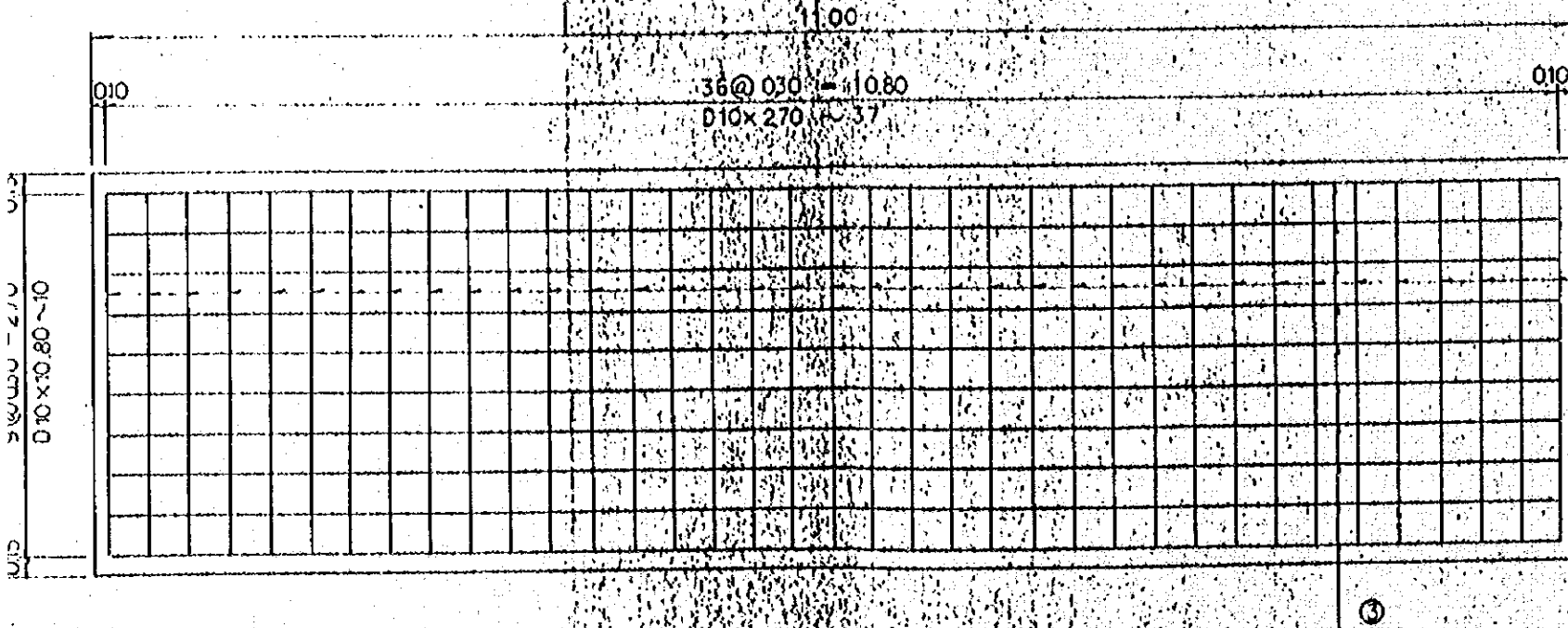


TABLA DE MATERIAL
材料表

CLASIFICACION 種別	DIAMETRO 径	LONGITUD 長 (mm)	NUMERO 本数	UNIDAD DE PESO 單位重量 (kg/m)	PESO POR UNID. 單位重量 (kg)	PESO 重量 (kg)
①	D10	9600	17	0.560	5.376	91.392
②	D10	4800	33	0.560	2.688	88.704
③	D10	10800	10	0.560	5.600	60.480
④	D10	2700	37	0.560	1.572	55.944
						296.520

PLANO DE ESTRUCTURA

構造図

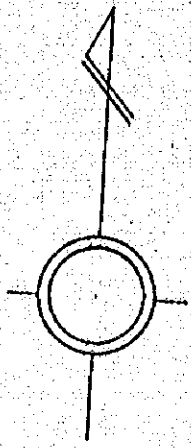
15 - 15

E-1:50

39 - 27

設計変更追加 — — — — —
" " 削除 — ()

第三回設計変更



TRANSPORTE DE TIERRA Y COMPACTACION
EP 0 ~ EP 1,100 L=1,100

TUBO HORMIGON $\phi 600 \times 1000$
EP 150

ENRIPIADO
EP 150 ~ EP 250 L=100

ENRIPIADO
EP 300 ~ EP 400 L=100

(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 450)

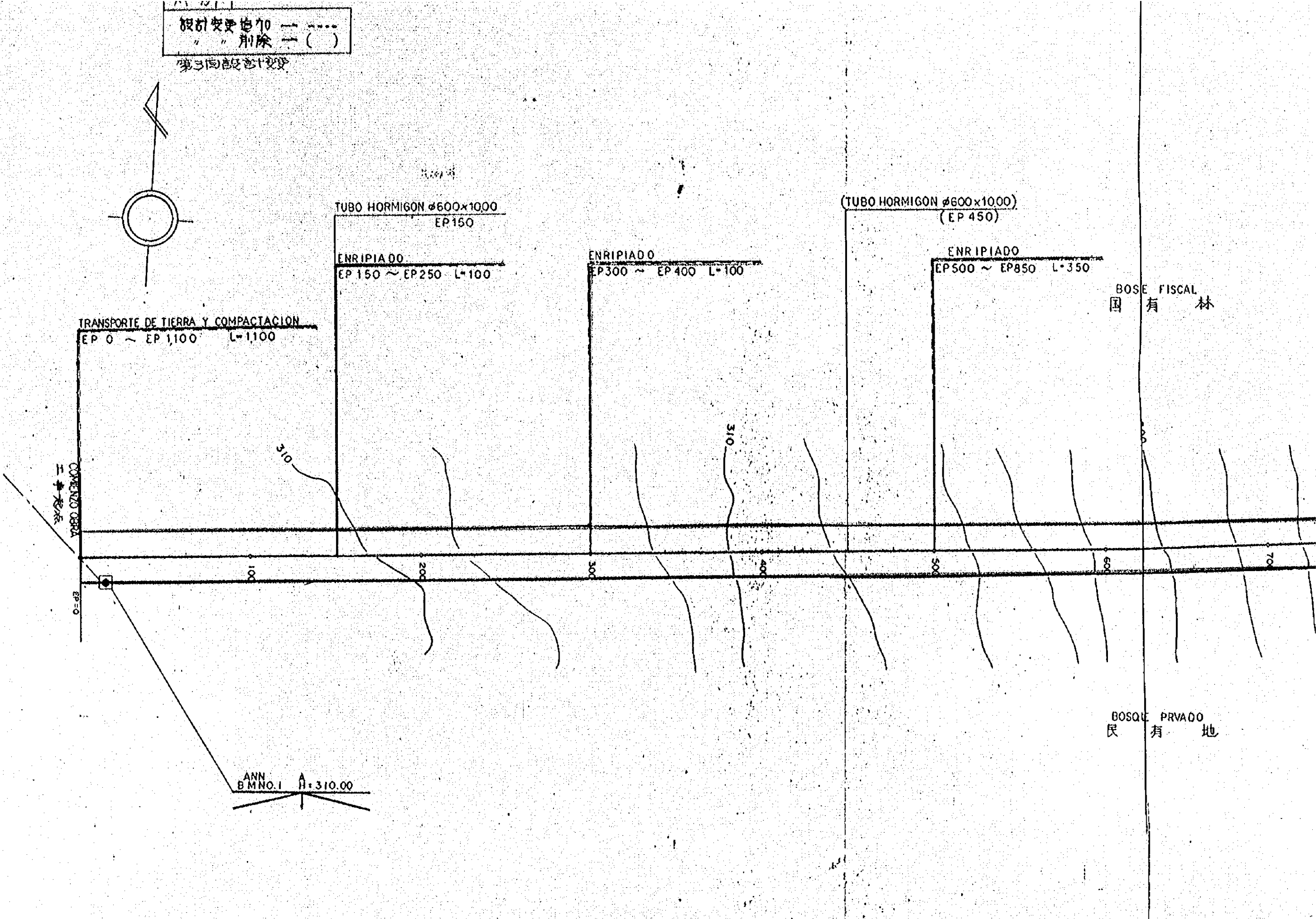
ENRIPIADO
EP 500 ~ EP 850 L=350

COMIENZO OBRA
二 井 起点
EP=0

ANN
BM NO. 1
H. 310.00

BOSQUE FISCAL
国 有 林

BOSQUE PRIVADO
民 有 地



TRA
EF

(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 450)

(TUBO HORMIGON $\phi 600 \times 1000$)
EP 800

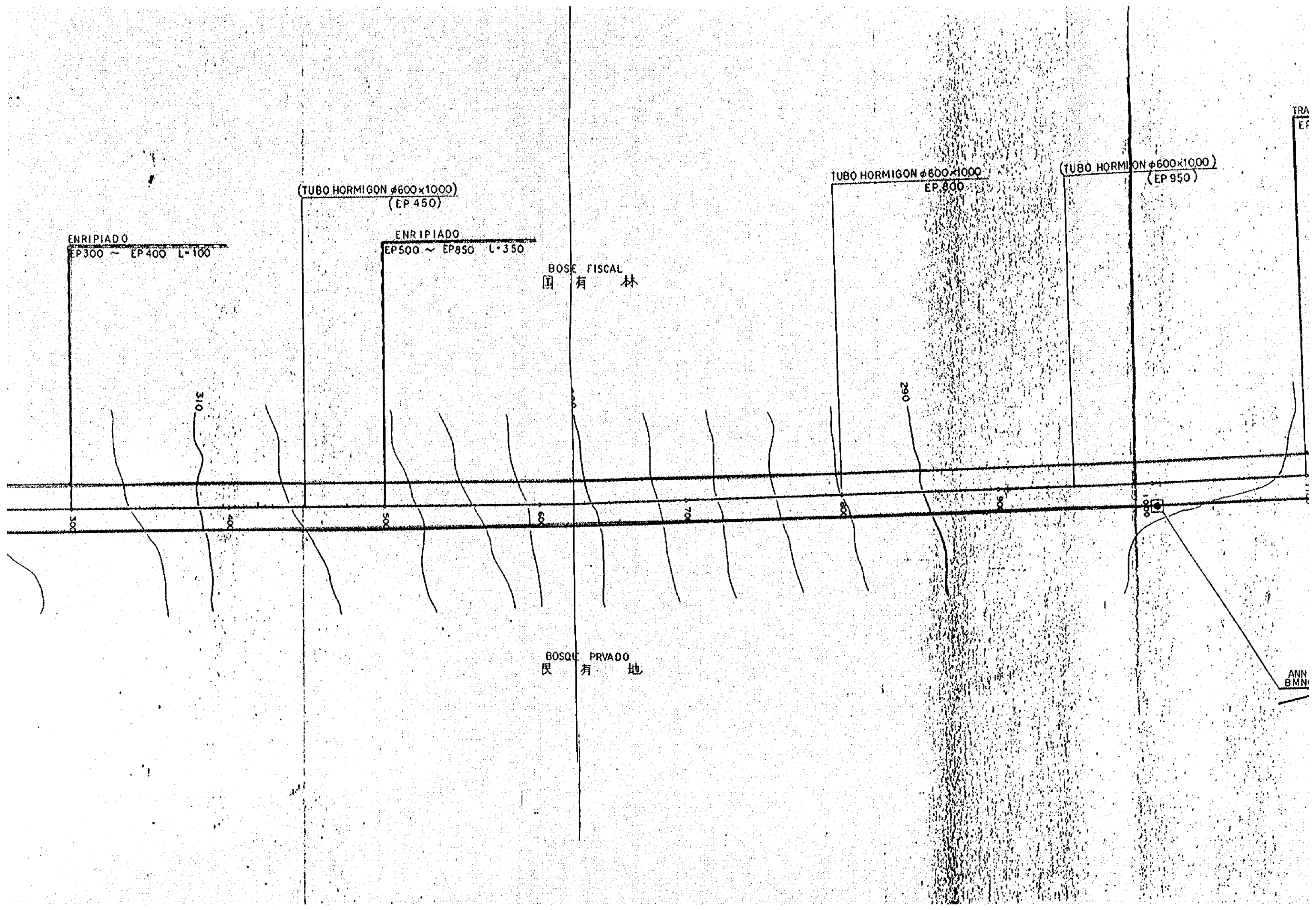
(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 950)

ENRIPIADO
EP300 ~ EP400 L=100

ENRIPIADO
EP500 ~ EP850 L=350

BOSQUE FISCAL
国有林

BOSQUE PRIVADO
民有地



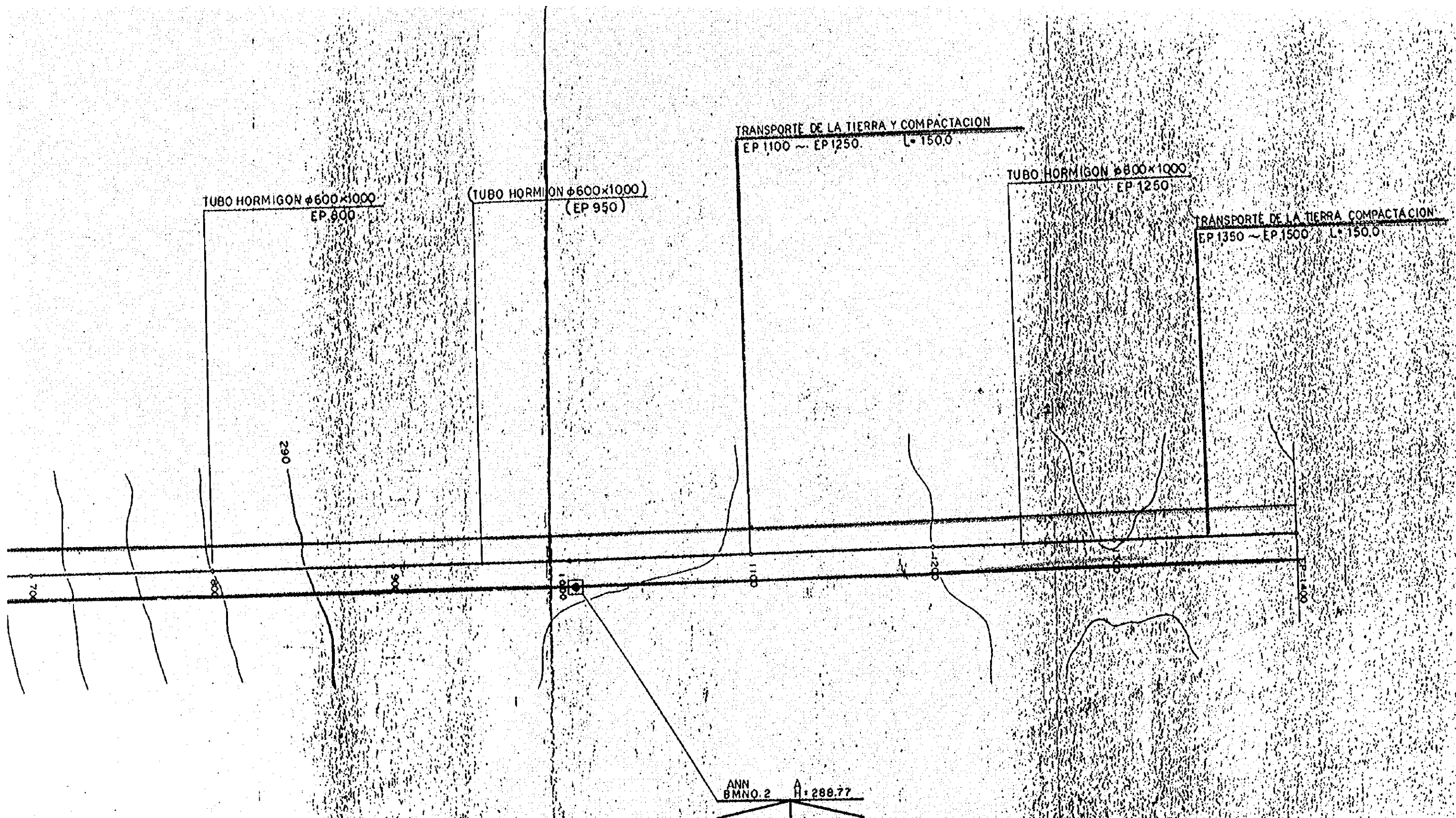
TUBO HORMIGON $\phi 600 \times 1000$
EP 800

(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 950)

TRANSPORTE DE LA TIERRA Y COMPACTACION
EP 1100 ~ EP 1250 L=150.0

TUBO HORMIGON $\phi 600 \times 1000$
EP 1250

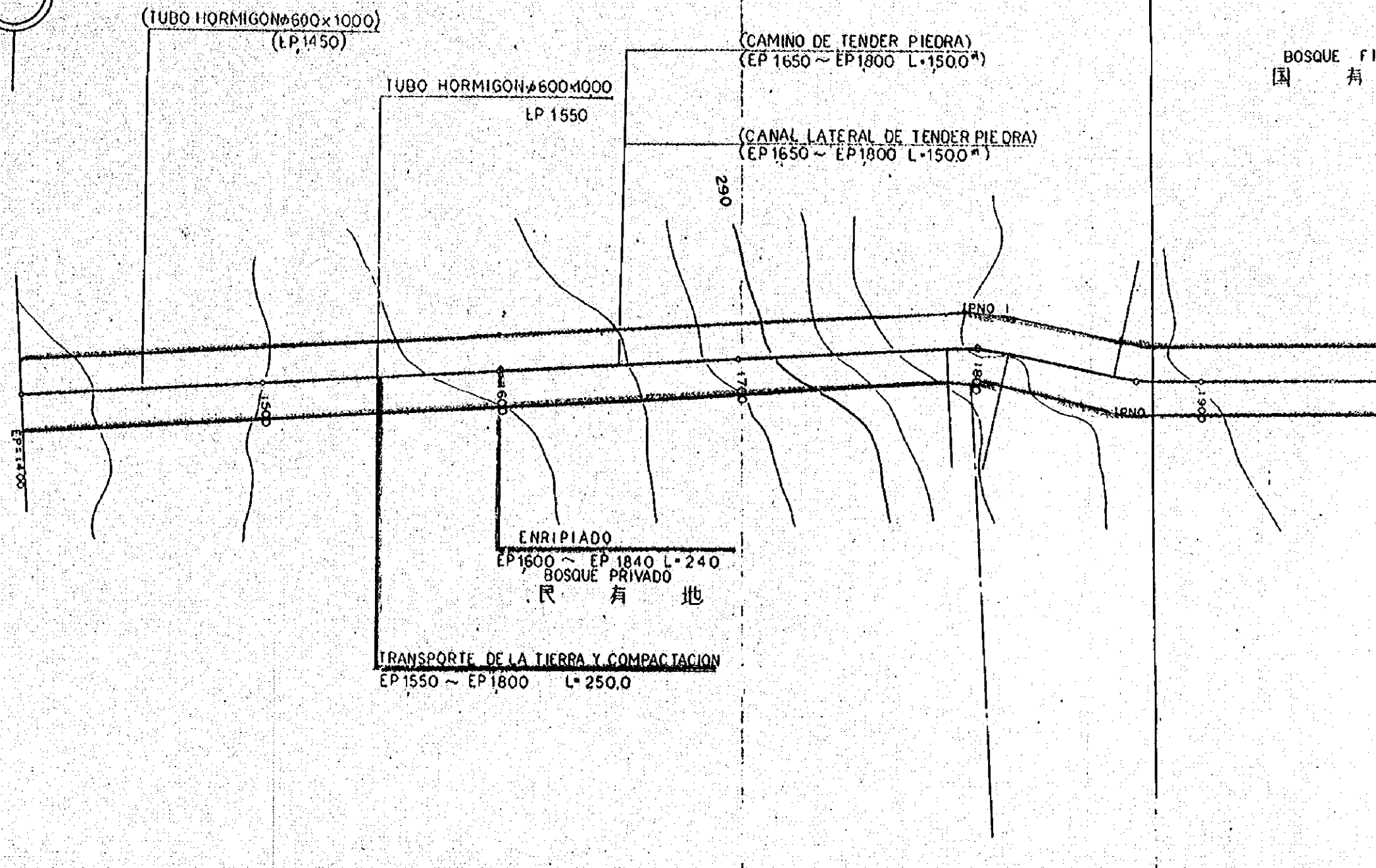
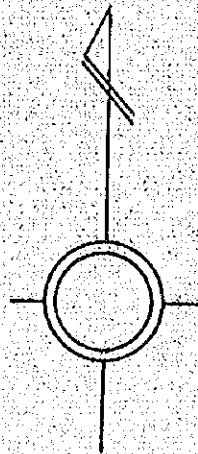
TRANSPORTE DE LA TIERRA COMPACTACION
EP 1350 ~ EP 1500 L=150.0



ANN
BMNO. 2 A: 288.77

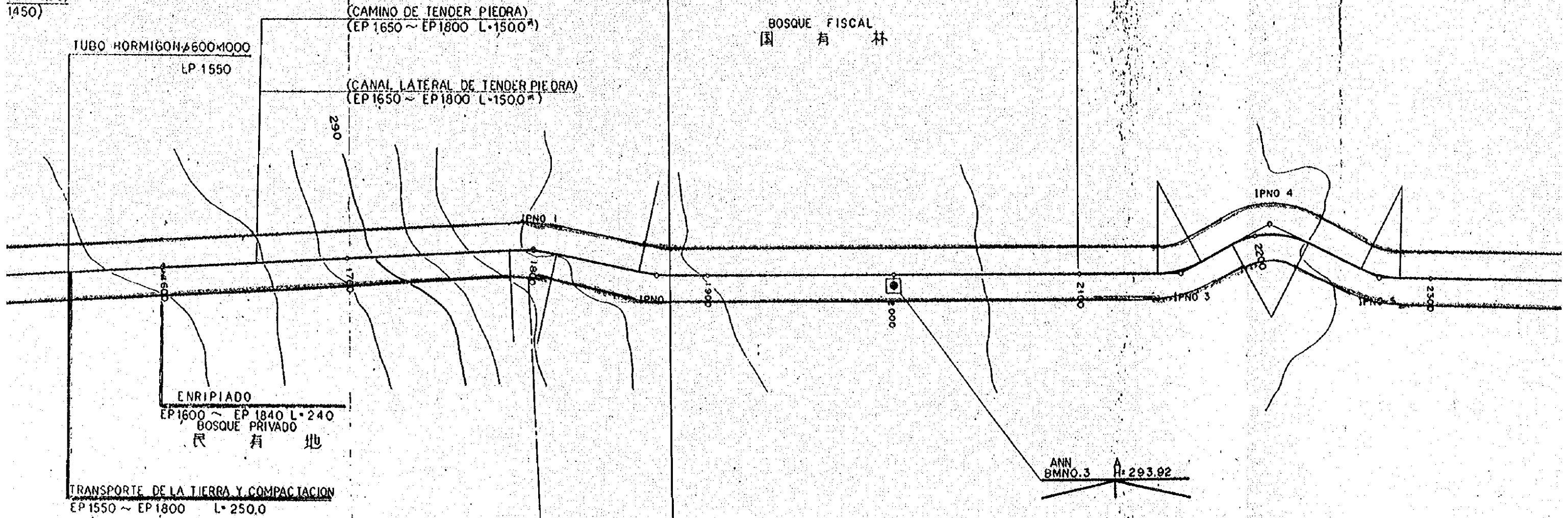
PLANTA 平 面 图	⑤—①
E: 1:2000	③⑨—③⑩

IPNO	1	2	3	4	5
D	1800.00	67.99	297.02	55.51	66.39
DIR	R	L	L	R	L
I.A	14 -40	10 -55	28 -20	54 -40	24 -50
R	100	100	50	45	50
T.L	12.87	9.56	12.62	23.26	11.01
S.L	0.82	0.46	1.57	5.66	1.20
C.L	25.60	19.05	24.73	42.93	21.67
B.C	1797.13	1858.29	2142.18	2186.54	2261.59
M.C	1799.93	1867.82	2154.55	2208.01	2272.43
E.C	1812.73	1877.34	2166.91	2229.47	2283.26

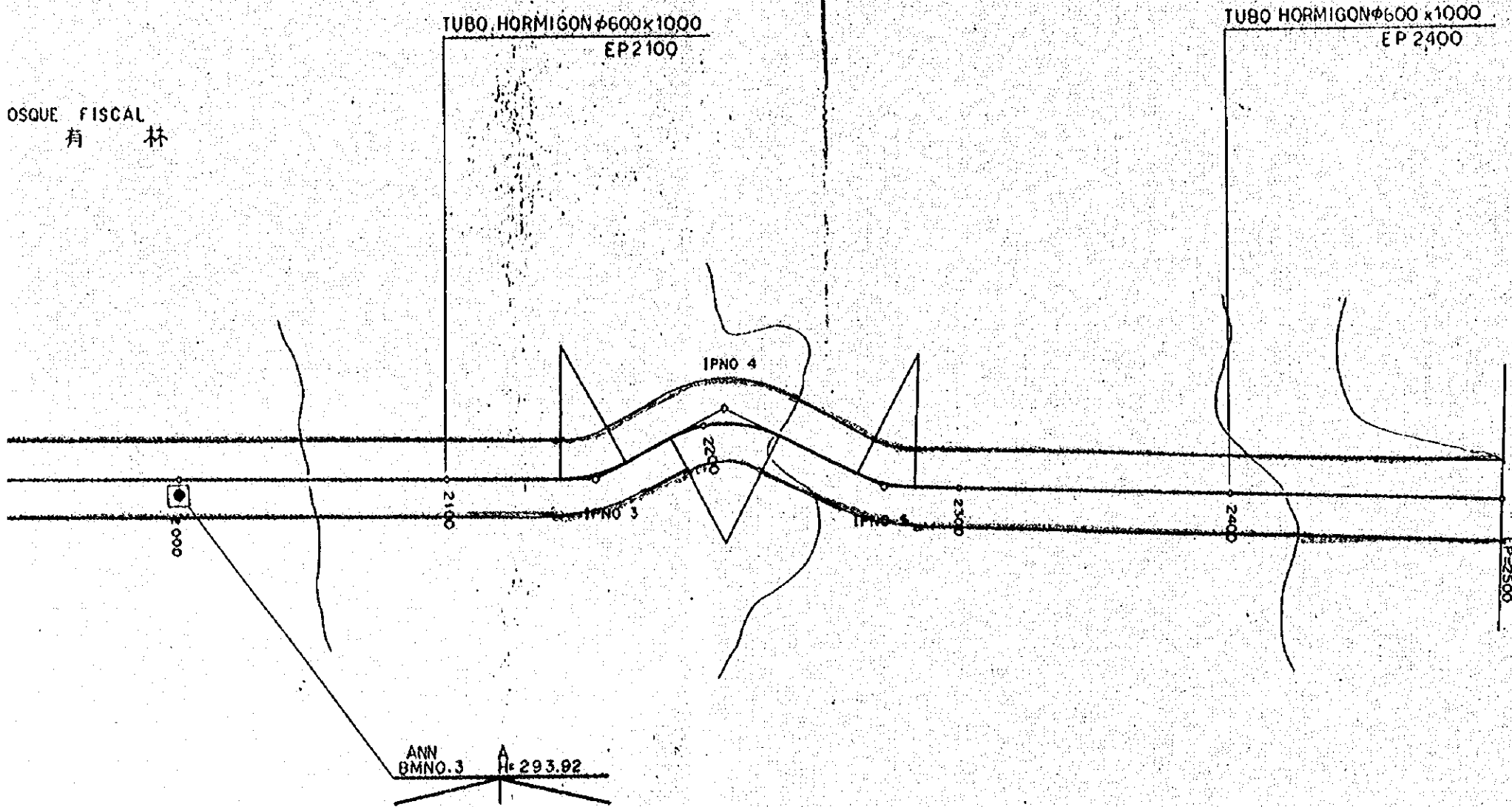


2	3	4	5
67.99	287.02	55.51	66.39
L	L	R	L
10 -55	28 -20	54 -40	24 -50
100	50	45	80
9.56	12.62	23.26	11.01
0.46	1.57	5.66	1.20
19.05	24.73	42.93	21.67
1858.29	2142.18	2186.54	2261.59
1867.82	2154.55	2208.01	2272.43
1877.34	2166.91	2229.47	2283.26

00x1000)
1450)

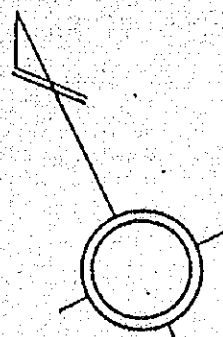


OSQUE FISCAL
有 林



設計変更削除→()

PLANTA 平面図	⑤-②
E. 1:2000	③9-③1



CAMINO DE TENDER PIEDRA
L=3000.0^m
EP2600 ~ EP2900

(CANAL LATERAL DE TENDER PIEDRA)
L=2000.0^m
EP2600 ~ EP2800

(TUBO HORMIGON ϕ 600x1000)
(EP 2850)

TUBO HORMIGON ϕ 600x1000
EP 3050

CAMINO DE TE
EP 3300

(CANAL LATERAL)
(EP 3300)

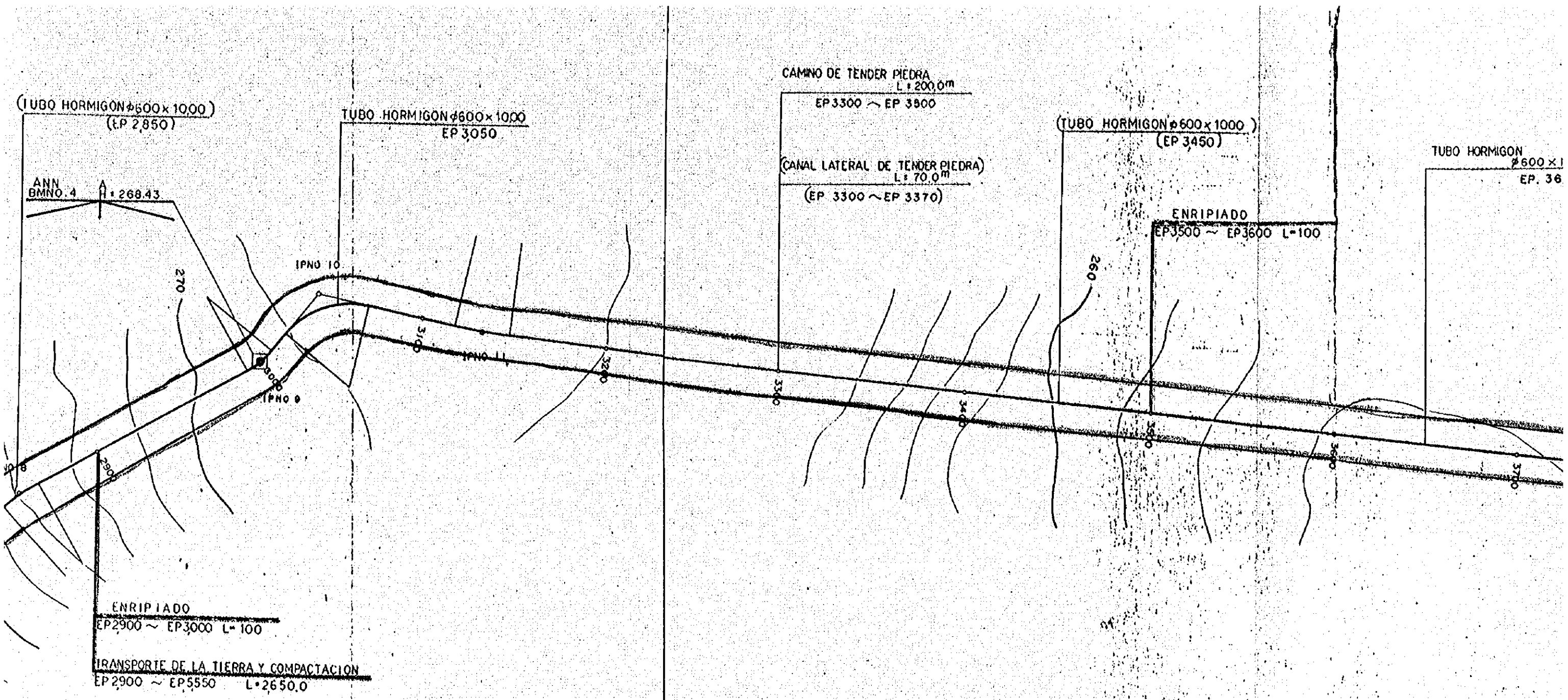
ANN
BMNO.4
H: 268.43

ENRIPIADO
EP2900 ~ EP3000 L=100

TRANSPORTE DE LA TIERRA Y COMPACTACION
EP2900 ~ EP5550 L=2650.0

ENRIPIADO
EP 2500 ~ EP2600 L=100

IPNO	6	7	8	9	10	11
D	392.95	60.09	135.24	147.30	48.35	90.03
DIR	R	L	R	L	R	L
I A'	47 -30	62 -10	12 -50	21 -40	63 -20	5 -40
R	45	45	100	45	45	300
T.L	19.80	27.13	11.25	8.61	27.76	14.85
S.L	4.16	7.54	0.63	0.82	7.87	0.37
C.L	37.31	48.82	22.40	17.02	49.74	29.67
B.C	2645.40	2695.87	2841.55	2991.39	3020.39	3117.55
M.C	2664.06	2720.28	2852.75	2999.90	3045.26	3132.39
E.C	2682.71	2744.69	2863.95	3008.41	3070.13	3147.22



IPNO	6	7	8	9	10	11
D	392.95	60.09	135.24	147.30	48.35	90.03
DIR	R	L	R	L	R	L
I A	47 -30	62 -10	12 -50	21 -40	63 -20	5 -40
R	45	45	100	45	45	300
T.L	19.80	27.13	11.25	8.61	27.76	14.85
S.L	4.16	7.54	0.63	0.82	7.87	0.37
C.L	37.31	48.82	22.40	17.02	49.74	29.67
B.C	2645.40	2695.87	2841.55	2991.39	3020.39	3117.55
M.C	2664.06	2720.28	2852.75	2999.90	3045.26	3132.39
E.C	2682.71	2744.69	2863.95	3008.41	3070.13	3147.22

CAMINO DE TENDER PIEDRA
L: 200.0m
EP 3300 ~ EP 3500

CANAL LATERAL DE TENDER PIEDRA)
L: 70.0m
(EP 3300 ~ EP 3370)

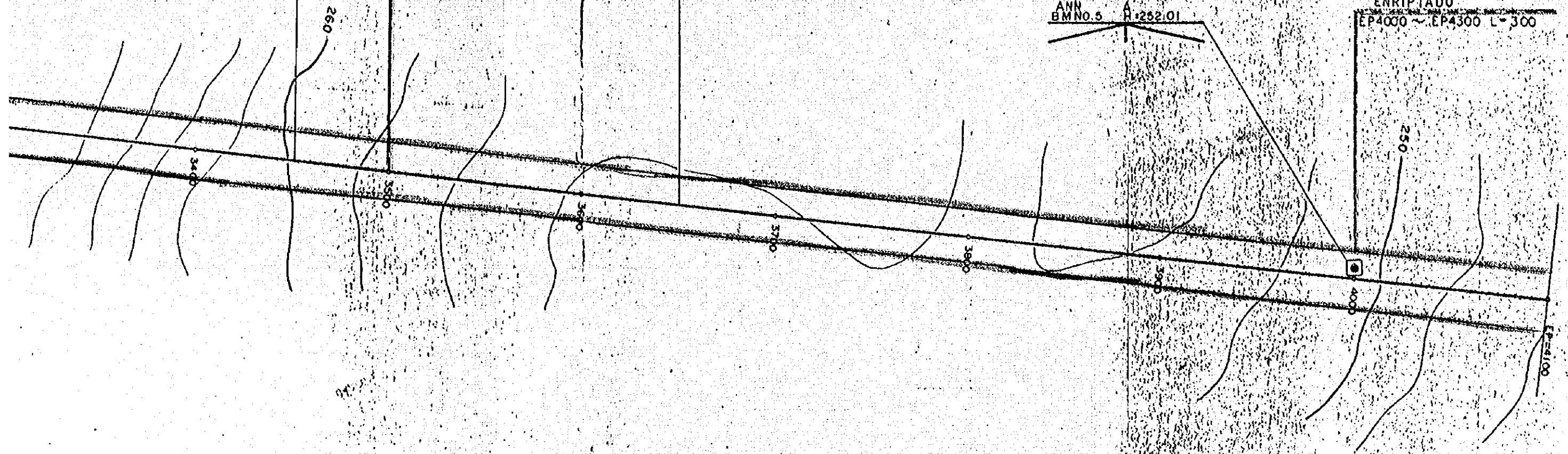
(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 3450)

TUBO HORMIGON
 $\phi 600 \times 10.00$
EP. 3650

ENRIPIADO
EP3500 ~ EP3600 L=100

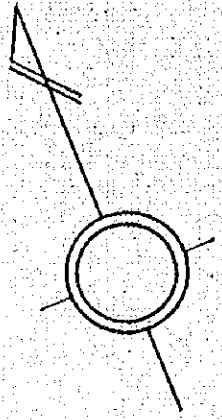
ANN
BMNO.5 H:252.01

ENRIPIADO
EP4000 ~ EP4300 L=300

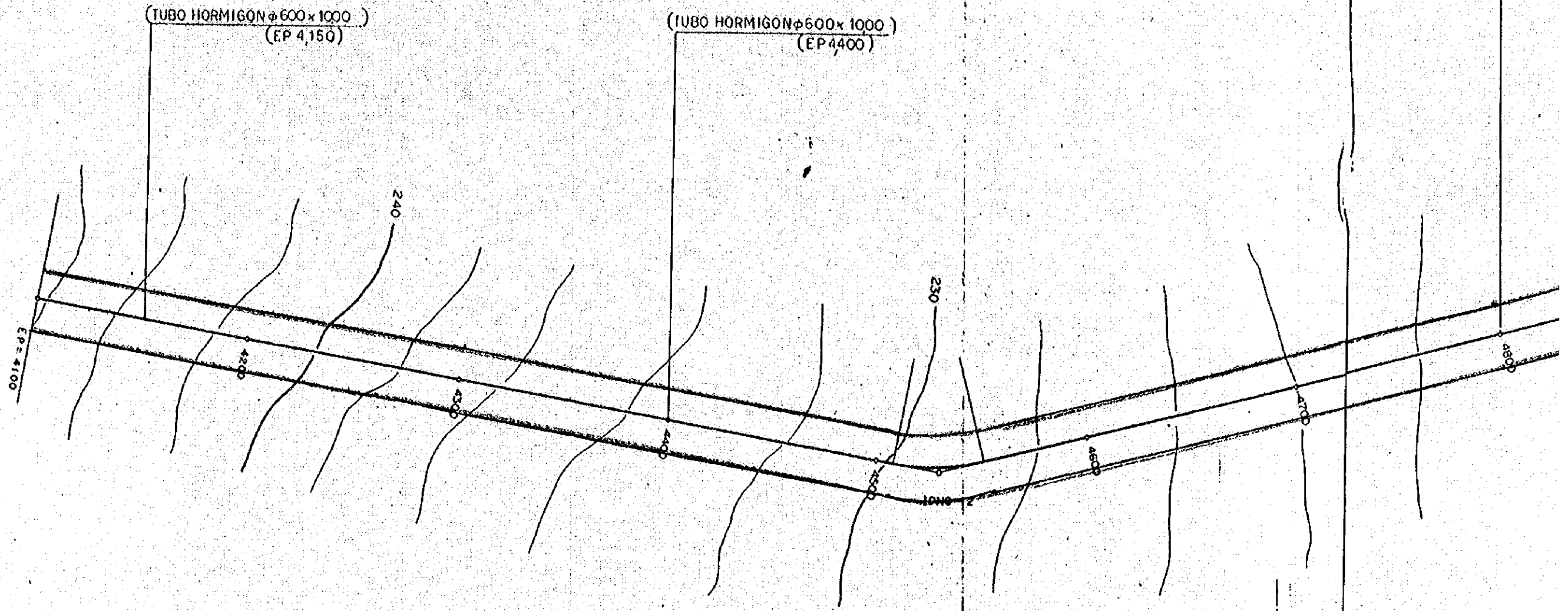


3
0
5
7
7
5
9
2

PLANTA 平面図	⑤—③
E: 1:2000	③⑨—③②



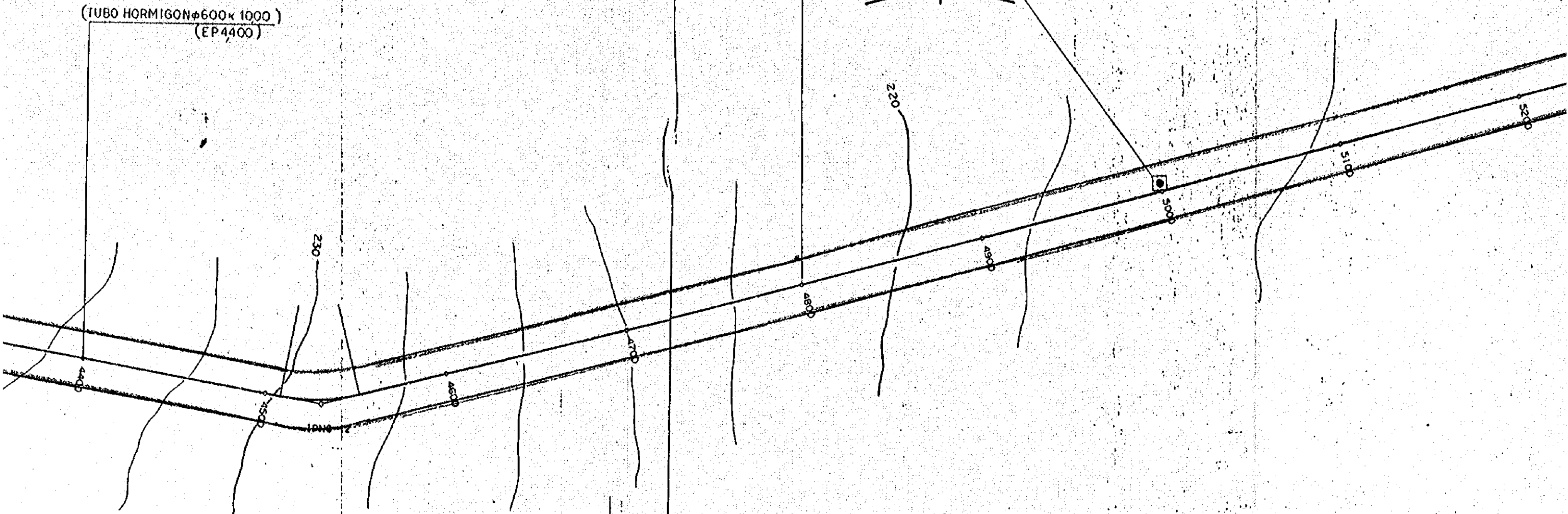
IPNO	12	13
D	1397.53	920.77
DIR	L	L
I A	24 -35	2 -30
R	100	0
T.L	21.79	0.00
S.L	2.35	0.00
C.L	42.91	0.00
B.C	4508.11	5450.00
M.C	4529.57	5450.00
E.C	4551.02	5450.00



(TUBO HORMIGON $\phi 600 \times 1000$)
(EP 4400)

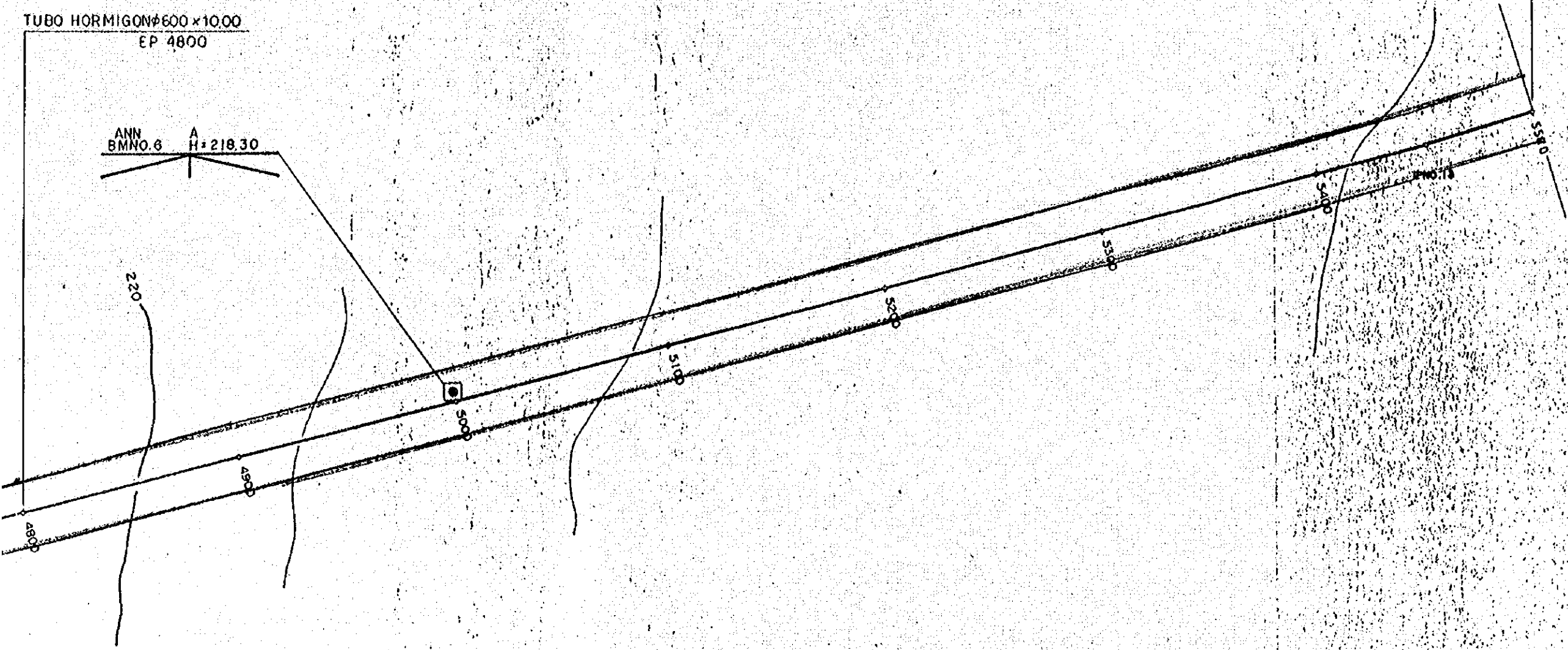
TUBO HORMIGON $\phi 600 \times 1000$
EP 4800

ANN
BMNO.6
A
H: 216.30



TUBO HORMIGON $\phi 600 \times 10.00$
EP 4800

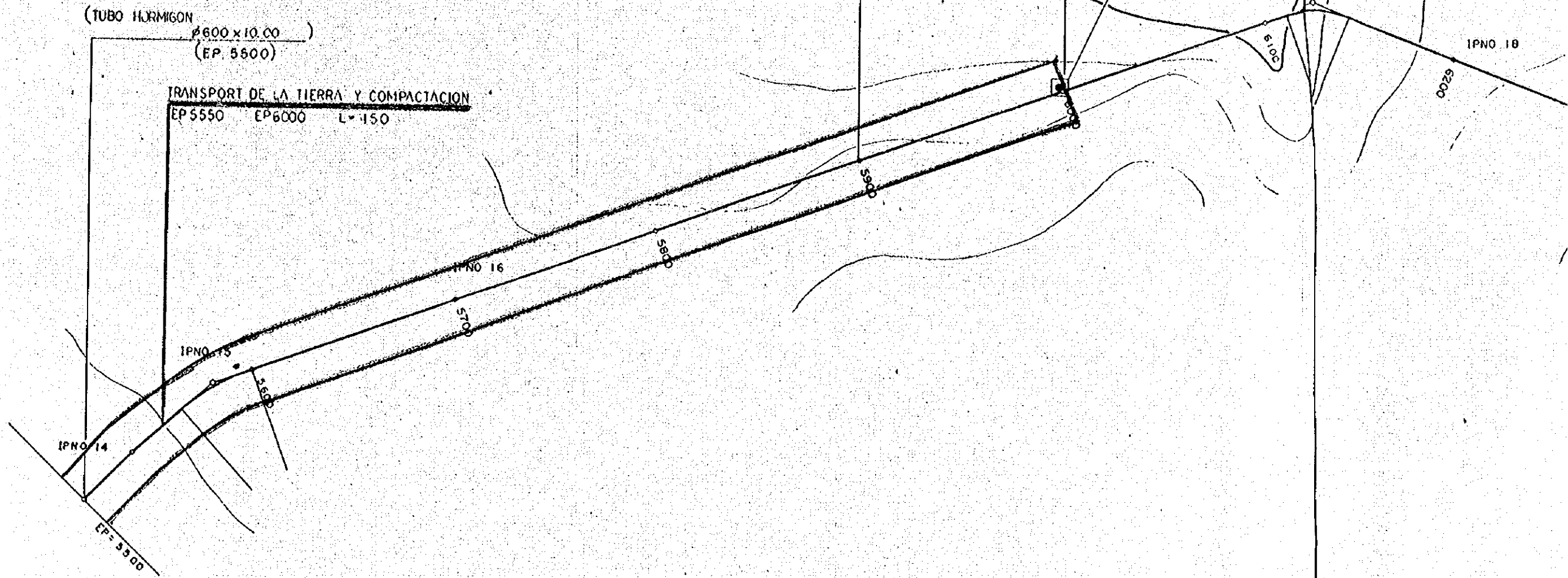
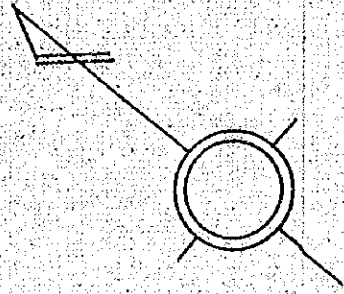
ANN
BMNO.6
A
H: 218.30



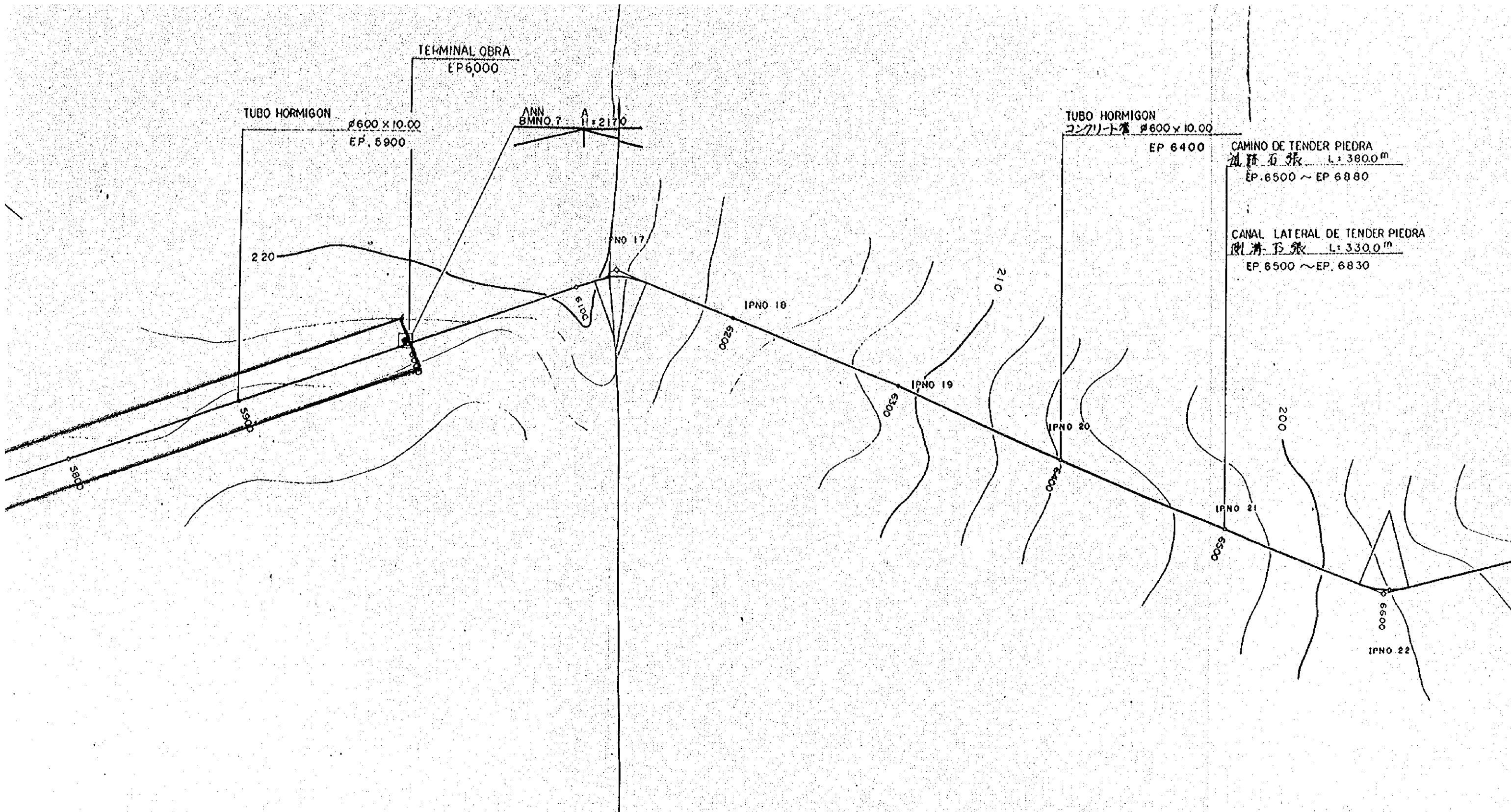
(TUBO HORMIGON $\phi 600 \times 10.00$)
(EP 5500)

PLANTA 平面	⑤-④
E. 1:2000	③⑨-③③

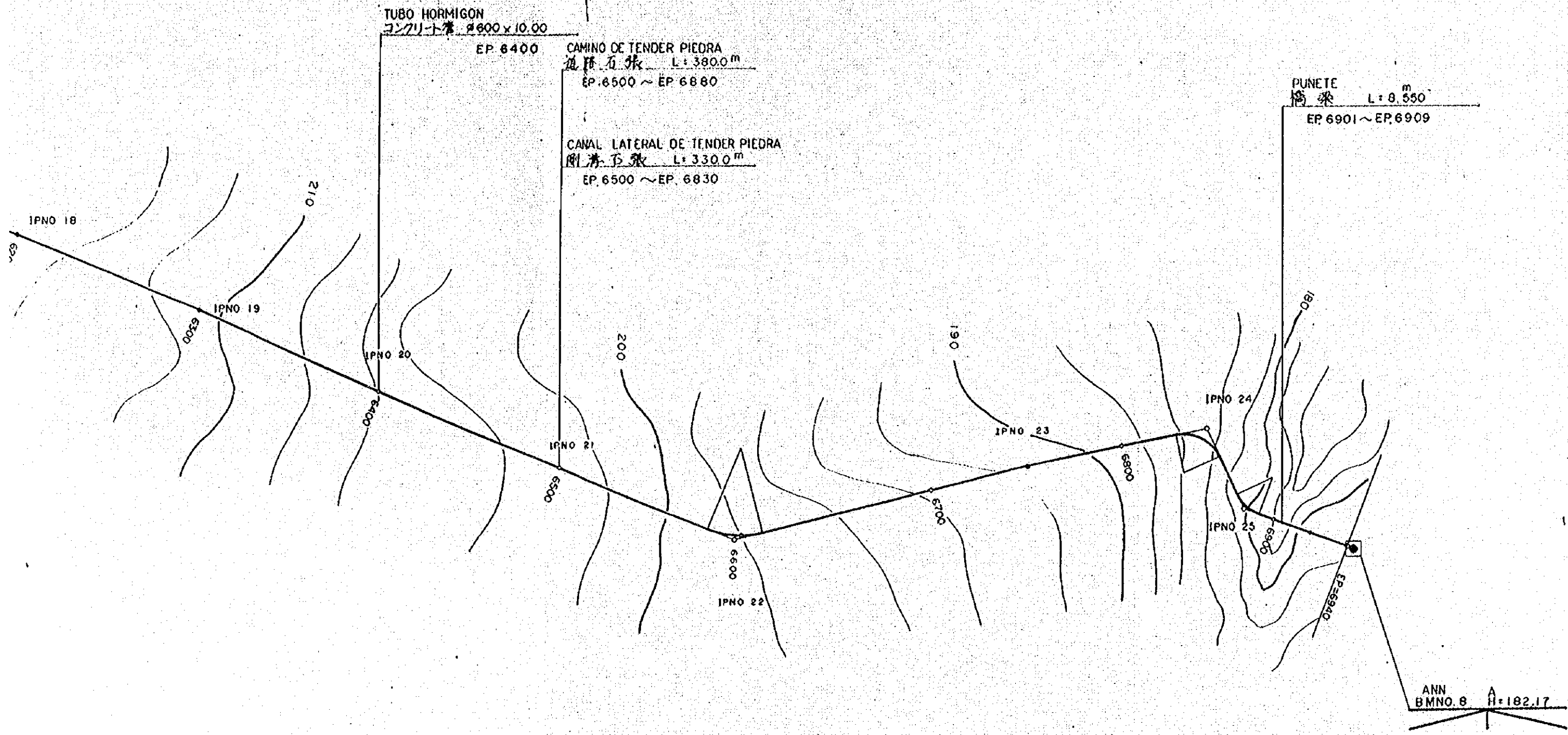
IPNO	14	15	16
D	81.50	49.90	119.07
DIR	R	R	R
I A	3 -50	21 -40	0 -25
R	0	100	0
T.L	0.00	19.14	0.00
S.L	0.00	1.81	0.00
C.L	0.00	37.81	0.00
B.C	5531.50	5562.26	5700.00
M.C	5531.50	5581.17	5700.00
E.C	5531.50	5600.07	5700.00



IPNO	17	18	19
D	430.10	71.66	100.00
DIR	R	L	R
I A	42 -10	0 -05	2 -30
R	50	0	0
T.L	19.28	0.00	0.00
S.L	3.59	0.00	0.00
C.L	36.80	0.00	0.00
B.C	6110.82	6200.00	6300.00
M.C	6129.22	6200.00	6300.00
E.C	6147.62	6200.00	6300.00

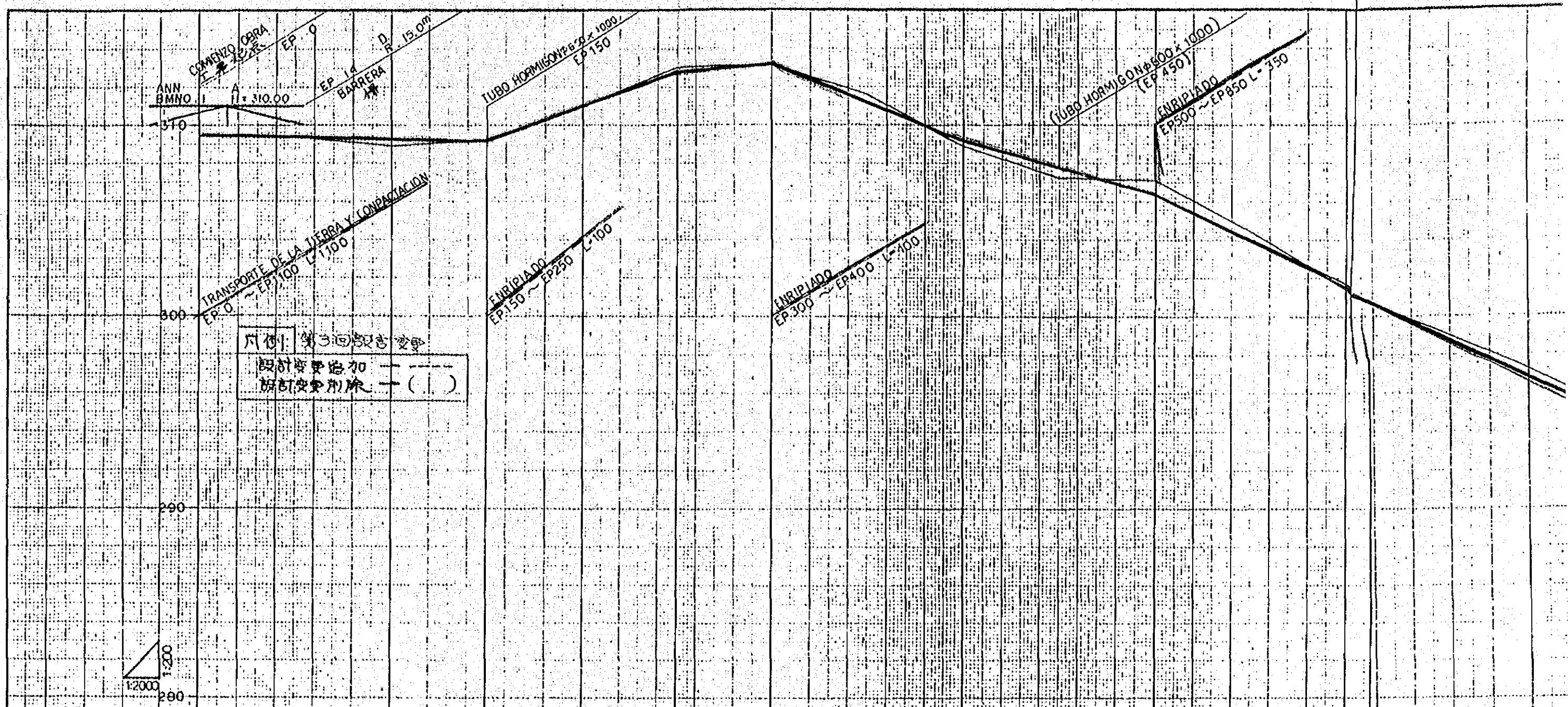


IPNO	17	18	19	20	21	22	23	24	25	T P
D	30.10	71.66	100.00	50.00	100.00	147.20	153.82	94.30	45.41	56.07
DIR	R	L	R	L	L	L	R	R	L	
I A	42 -10	0 -05	2 -30	1 -15	1 -10	36 -40	2 -35	76 -55	45 -10	
R	50	0	0	0	0	45	0	20	20	
T.L	19.28	0.00	0.00	0.00	0.00	14.91	0.00	15.08	8.32	
S.L	3.59	0.00	0.00	0.00	0.00	2.41	0.00	5.54	1.66	
C.L	36.80	0.00	0.00	0.00	0.00	28.80	0.00	26.85	15.77	
B.C	6110.82	6200.00	6300.00	6350.00	6450.00	6582.29	6750.00	6828.42	6876.48	
M.C	6129.22	6200.00	6300.00	6350.00	6450.00	6596.69	6750.00	6841.85	6884.37	
E.C	6147.62	6200.00	6300.00	6350.00	6450.00	6611.09	6750.00	6855.27	6892.25	



	19	20	21	22	23	24	25	TP
6	100.00	50.00	100.00	147.20	153.82	94.30	45.41	56.07
	R	L	L	L	R	R	L	
5	2 -30	1 -15	1 -10	36 -40	2 -35	76 -55	45 -10	
	0	0	0	45	0	20	20	
0	0.00	0.00	0.00	14.91	0.00	15.88	8.32	
0	0.00	0.00	0.00	2.41	0.00	5.54	1.66	
0	0.00	0.00	0.00	28.80	0.00	26.85	15.77	
0	6300.00	6350.00	6450.00	6582.29	6750.00	6828.42	6876.48	
0	6300.00	6350.00	6450.00	6596.69	6750.00	6841.85	6884.37	
0	6300.00	6350.00	6450.00	6611.09	6750.00	6855.27	6892.25	

PLANTA 平面図	⑤—⑤
E = 1:2,000	③⑨—③④



凡例 第三回設計変更
 設計変更追加 ---
 設計変更削除 ()

1:200
 12000

CURVA	ESTACION	ALTURA DE LA LINEA DE TERRENO	ALTURA DE LA LINEA DE PROYECCION	PLAN	CH	GH	BH	HC
	0	309.44	309.44	0	0	0	0	0
	50	309.39	309.34	0.05				
	100	306.92	309.24	6.32				
	150	309.26	309.14	0.12				
	200	310.97	310.94	0.03				
	250	313.05	312.74	0.31				
	300	313.16	313.14	0.02				
	350	311.61	311.14	0.47				
	400	308.89	309.14	0.25				
	450	307.24	307.74	0.50				
	500	307.10	306.34	0.76				
	550	304.48	303.94	0.54				
	600	301.42	301.54	0.12				
	650	299.44	299.14	0.30				
	700	297.26	296.74	0.52				

-0.20%
L=150.0m

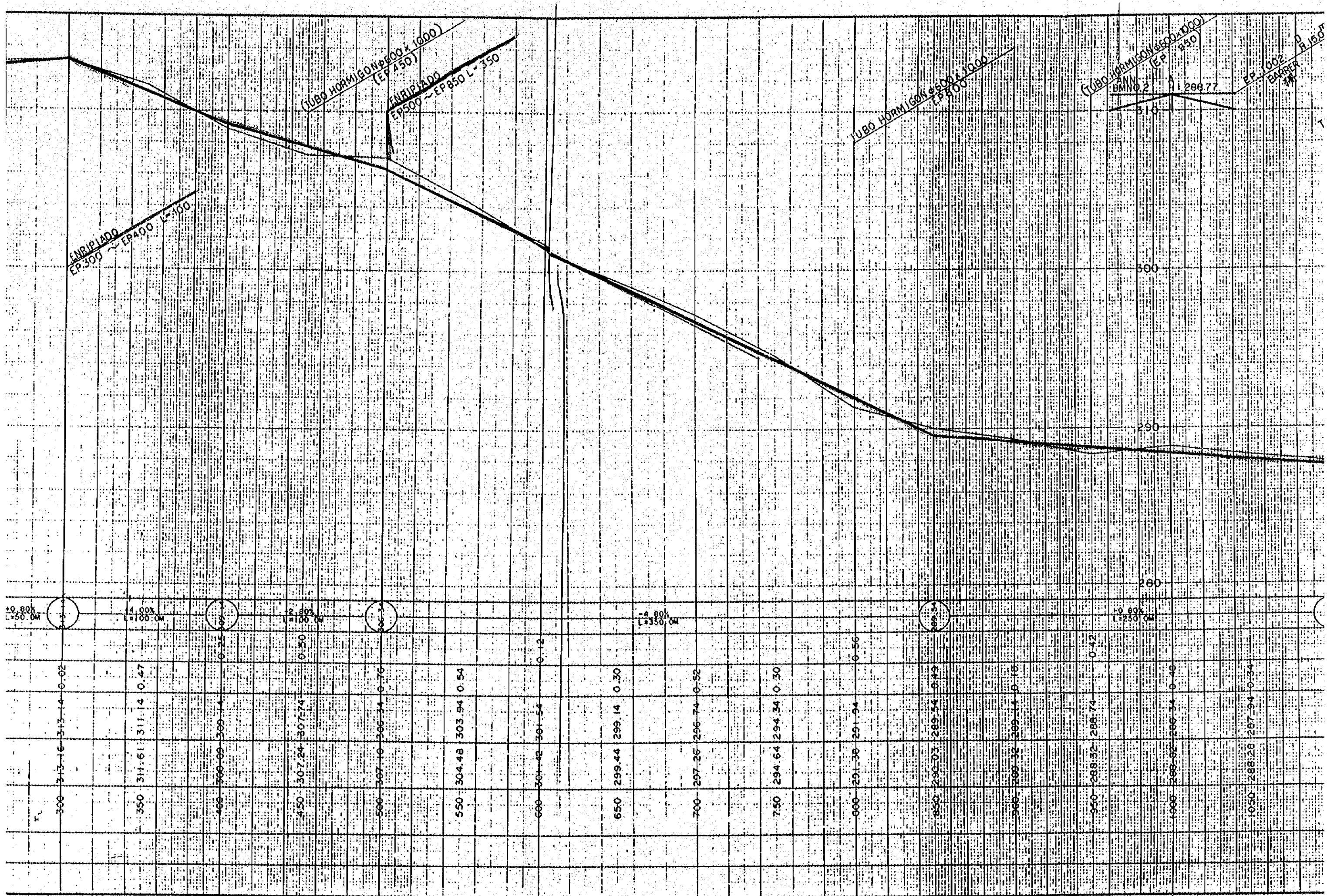
13.80%
L=100.0m

10.80%
L=50.0m

1.00%
L=100.0m

2.80%
L=100.0m

-4.80%
L=350.0m



E.L.	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
	313.16	311.61	309.14	307.24	306.34	304.48	301.42	299.44	297.26	294.64	291.38	290.03	289.32	288.32	288.52	288.28
	0.02	0.47	0.25	0.50	0.76	0.54	0.12	0.30	0.52	0.30	0.56	0.49	0.16	0.42	0.16	0.34

+0.80% L=50.0M
 +1.00% L=100.0M
 +2.80% L=100.0M
 -4.80% L=350.0M
 -0.60% L=250.0M

ENRIP 1000
EP 300 ~ EP 400 L=100

(TUBO HORMIGON 800 x 1000)
(EP 450)

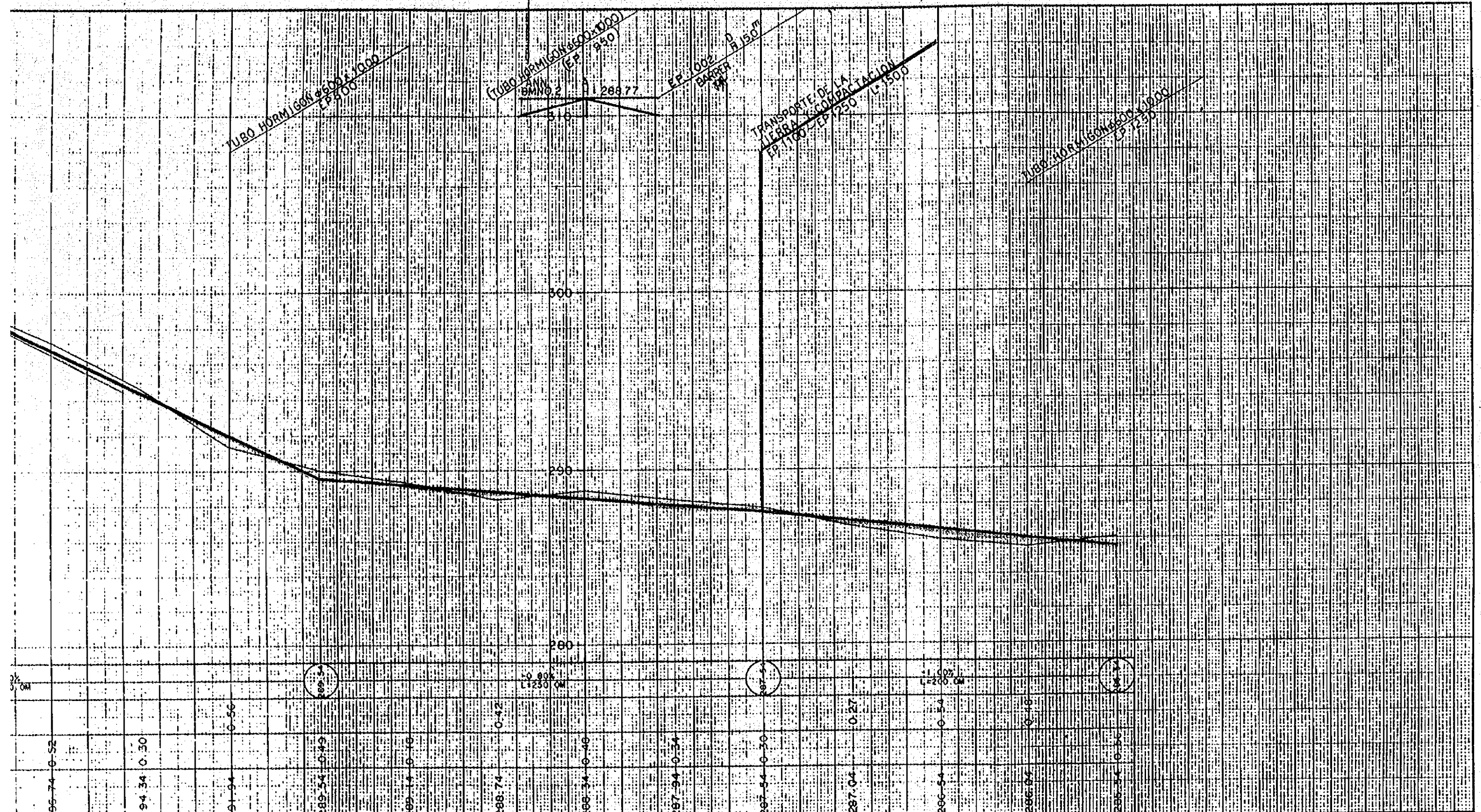
ENRIP 1000
EP 500 ~ EP 850 L=350

(TUBO HORMIGON 800 x 1000)
EP 200

(TUBO HORMIGON 800 x 1000)
(EP 250)

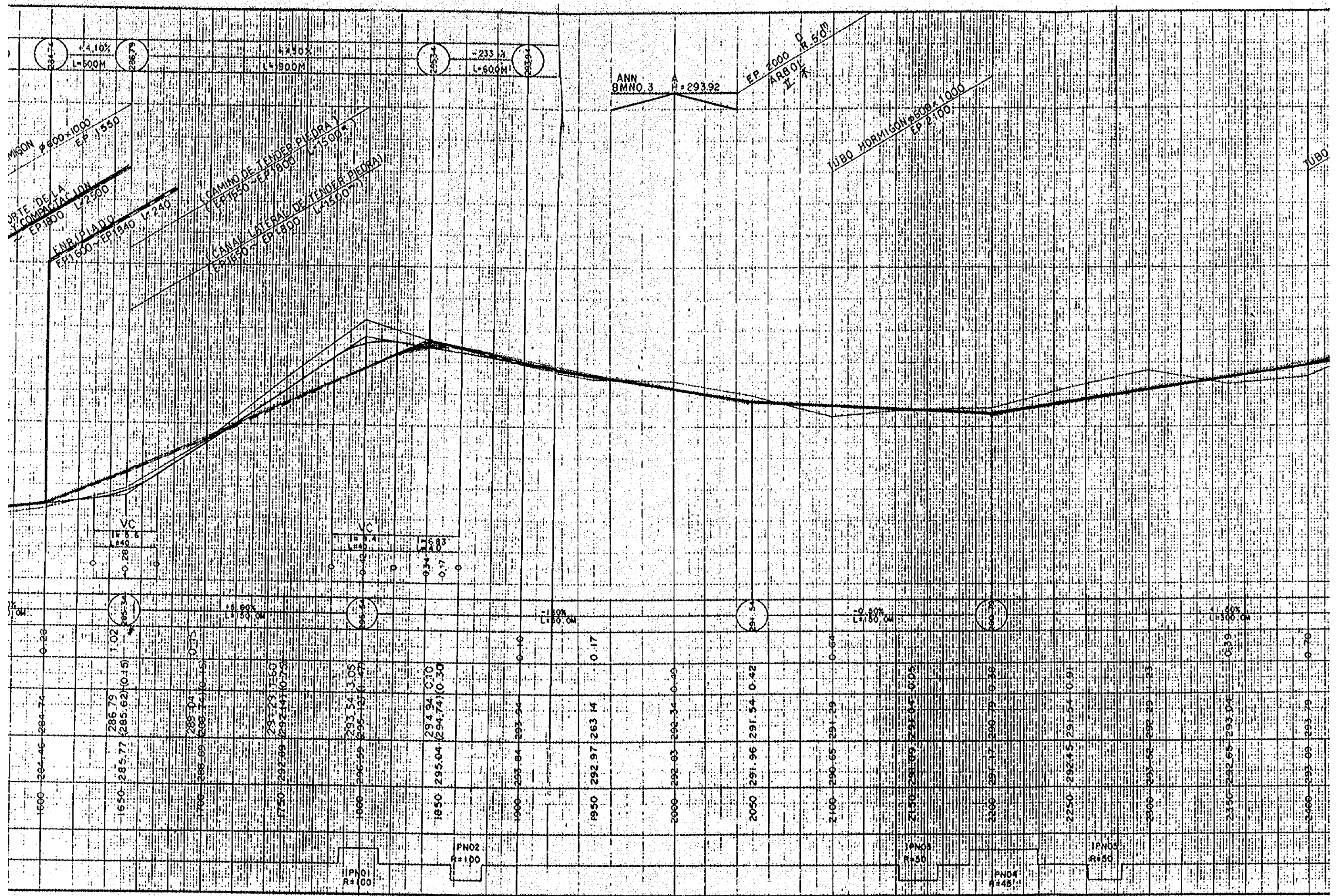
EP 002
BARRER
3M

T

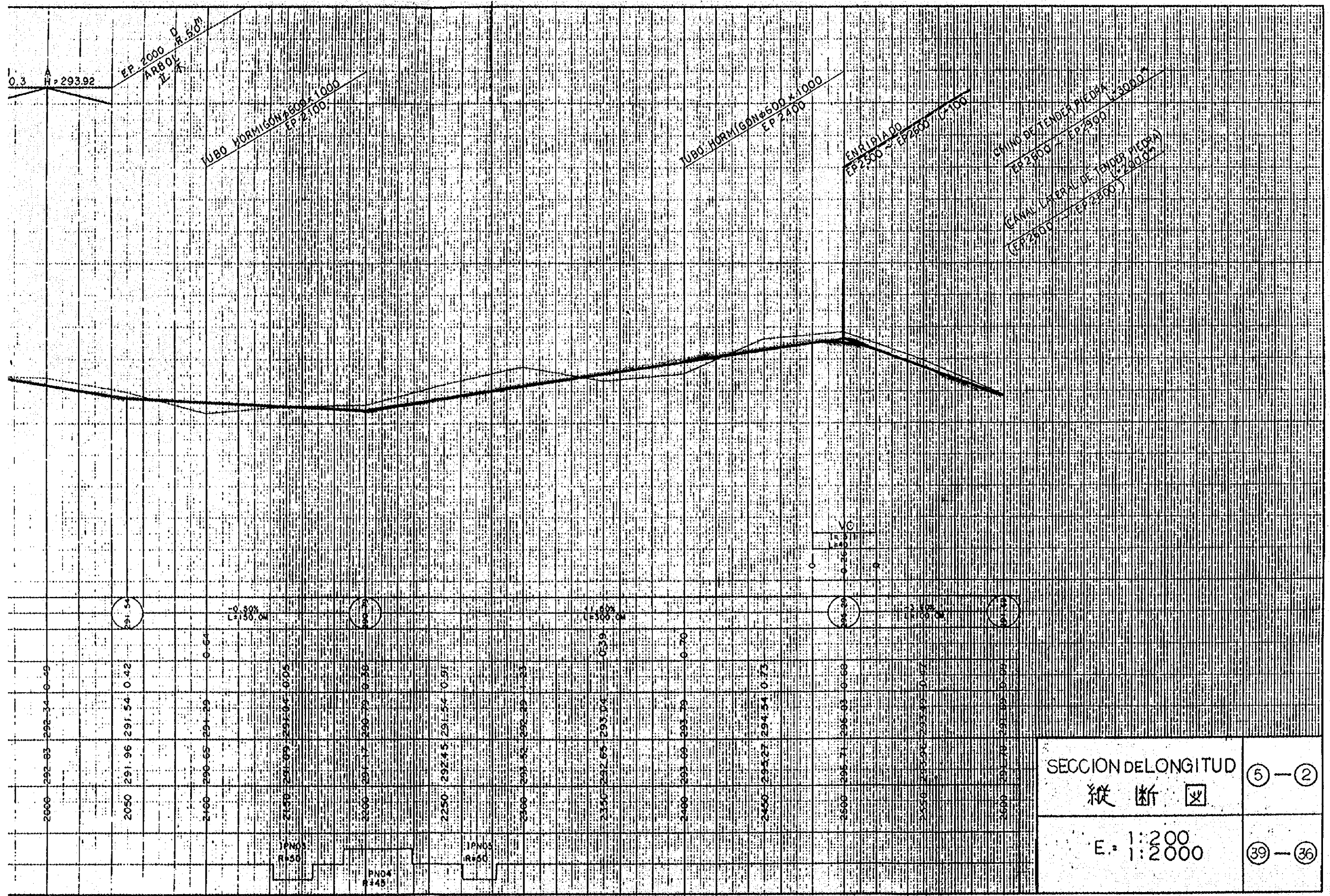


700	297.26	296.74	0.52
750	294.64	294.34	0.30
800	291.38	291.94	0.56
850	290.03	289.54	0.49
900	289.32	289.14	0.18
950	288.32	288.74	0.42
1000	289.62	289.34	0.28
1050	288.28	287.94	0.34
1100	287.64	287.54	0.10
1150	286.77	287.04	0.27
1200	286.00	286.54	0.54
1250	285.56	286.54	0.98
1300	286.18	286.54	0.36

SECCION DE LONGITUD 縦断	⑤ - ①
E = 1:200 1:2.000	③⑨ - ③⑤



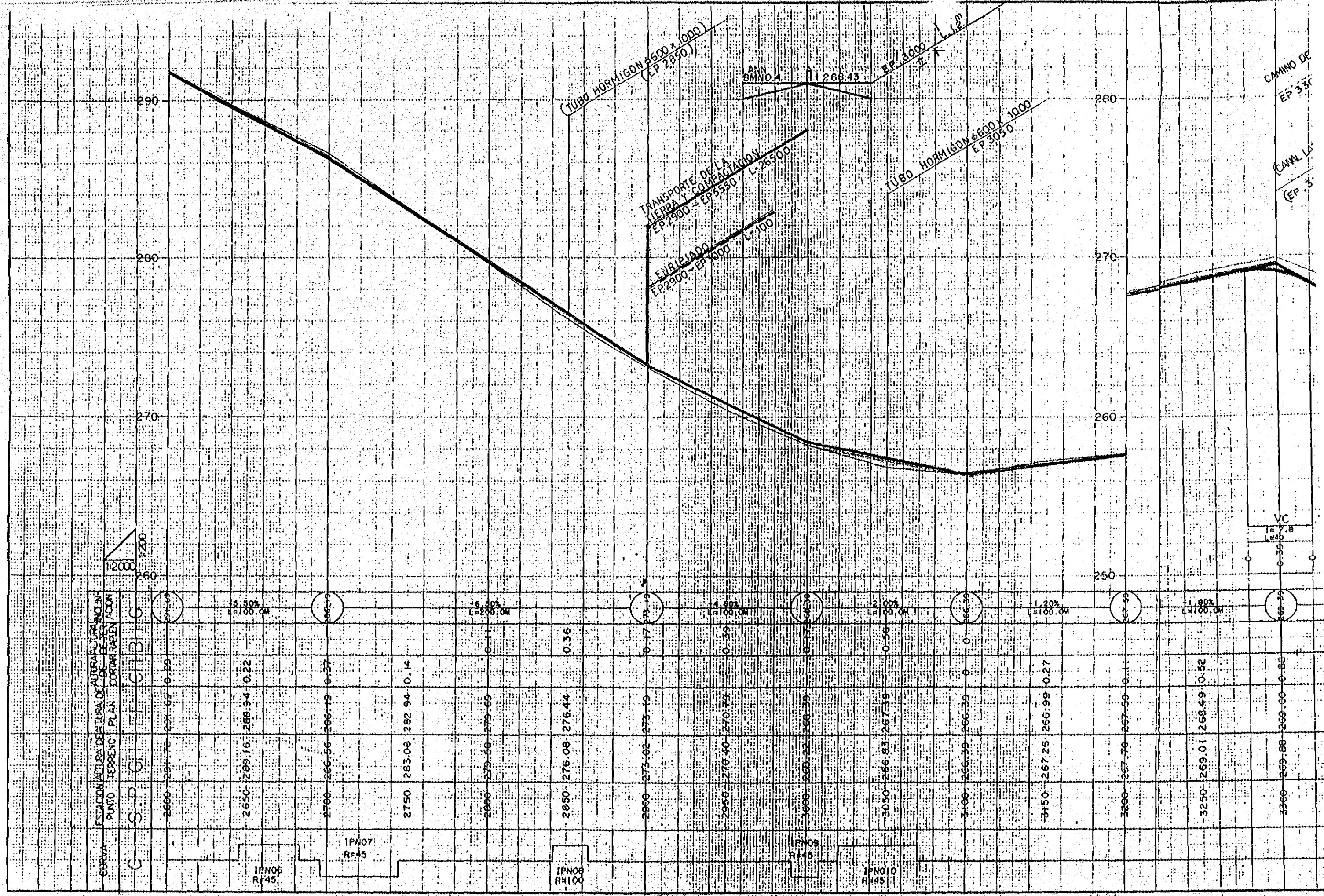
Station	Elevation	Grade (%)	Length (m)	Structure
1600	284.46	0.28		
1650	285.77	1.02	150.0	M
1700	288.09	0.75	150.0	
1750	292.00	0.75	150.0	C
1800	293.54	3.05	150.0	
1850	295.04	0.50	150.0	C
1900	293.84	0.16	150.0	
1950	292.97	0.17	150.0	
2000	292.03	0.49	150.0	
2050	291.96	0.42	150.0	M
2100	290.65	0.64	150.0	Tubo
2150	291.09	0.05	150.0	M
2200	291.17	0.26	150.0	
2250	292.45	0.91	150.0	
2300	293.52	1.23	150.0	
2350	292.69	0.39	150.0	M
2400	293.09	0.70	150.0	Tubo



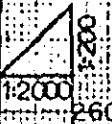
SECCION DELONGITUD
 縦断 ㊦

E: 1:200
 1:2000

⑤—②
 ③⑨—③⑥



CURVA	ESTACION	ALTA DE CURVA DE BARRERA	PLAN	ESTACION	ALTA DE CURVA DE BARRERA
C	S.P	G	E	C	B
	2600	261.76	291.65	0.59	
	2650	2789.16	288.94	0.22	
	2700	286.56	286.19	0.37	
	2750	283.08	282.94	0.14	
	2800	279.58	279.69	0.11	
	2850	276.08	276.44	0.36	
	2900	273.02	273.19	0.17	
	2950	270.40	270.79	0.39	
	3000	268.22	268.39	0.17	
	3050	266.83	267.39	0.56	
	3100	266.39	266.39	0.0	
	3150	267.26	266.99	0.27	
	3200	267.70	267.59	0.11	
	3250	269.01	268.49	0.52	
	3300	269.88	269.00	0.88	



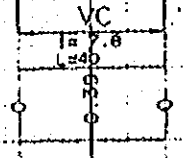
IPN05
R=45

IPN07
R=45

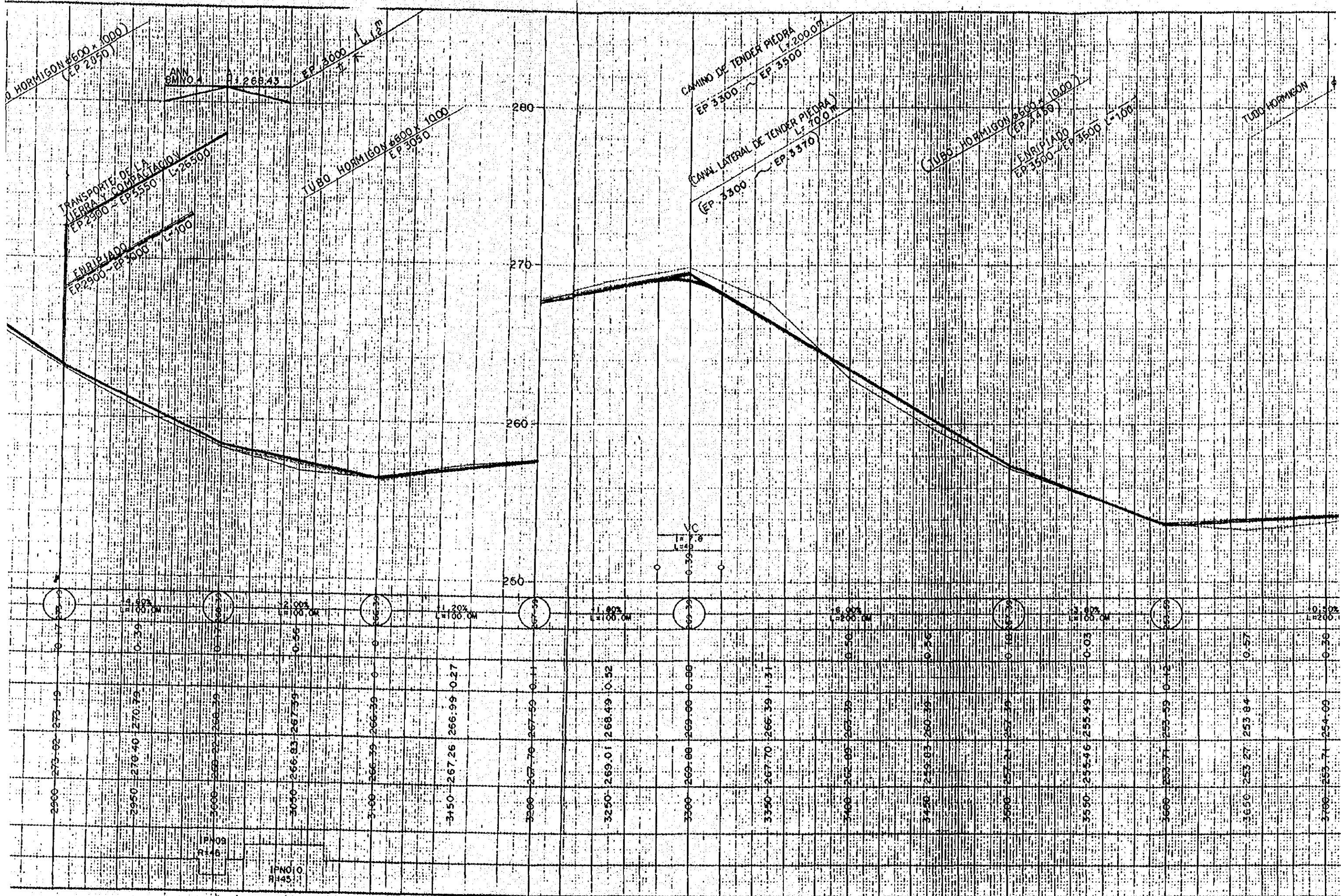
IPN08
R=100

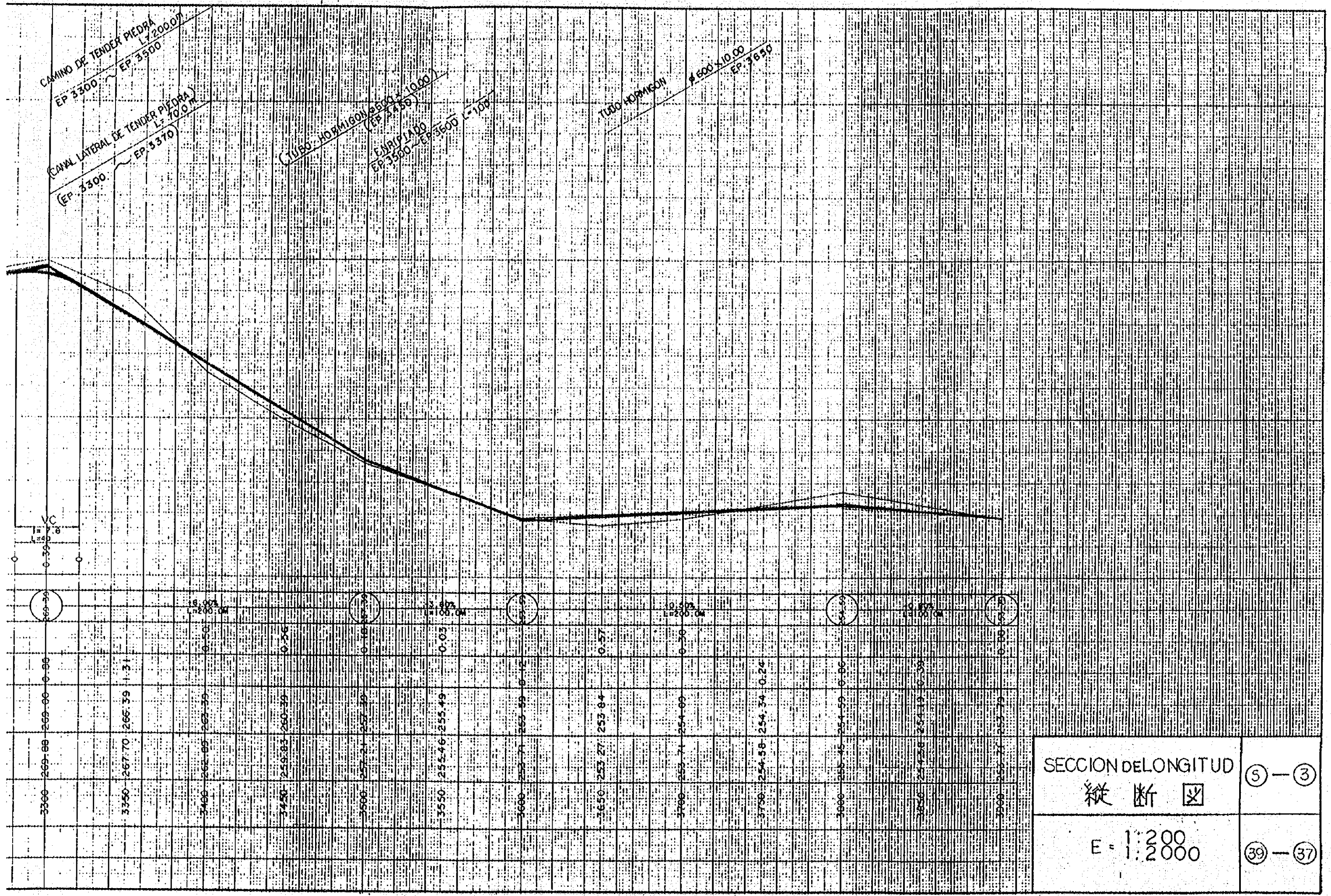
IPN08
R=45

IPN09
R=45



CAMINO DE
CAVAL LA
EP 330
EP 330



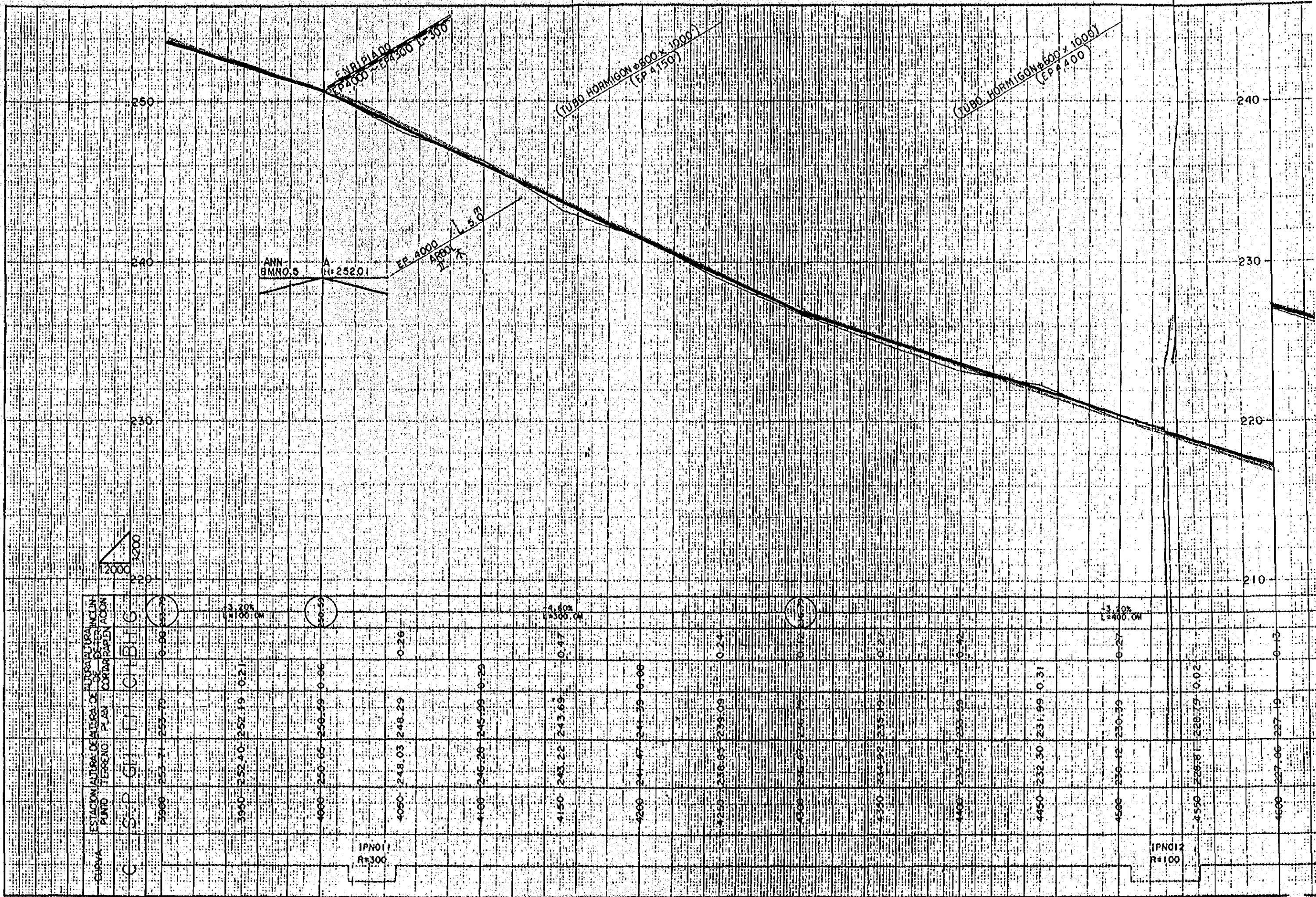


SECCION DE LONGITUD
縦断図

E = 1:200
E = 1:2000

⑤ — ③

③⑨ — ③⑦

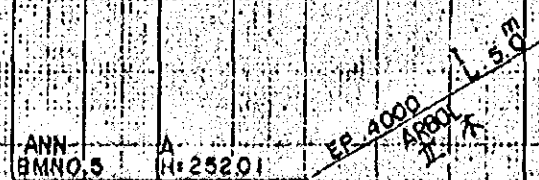
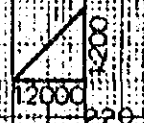


CURVA	ESTACION PLANO	ALTURA TERRENO	ALTEZA PLASA	INCLINACION DE CORTADERA	INCLINACION DE TERRENO
C-E-S-P-GH-FH-GH-BH-G	3900	253.71	253.70	0.06	0.79
	3950	252.40	252.19	0.21	
	4000	250.65	250.59	0.06	
	4050	248.03	248.29	-0.26	
	4100	246.26	245.99	-0.29	
	4150	243.22	243.69	-0.47	
	4200	241.47	241.39	0.08	
	4250	238.65	239.09	-0.44	
	4300	236.07	236.19	-0.12	
	4340	234.92	235.19	-0.27	
	4400	233.17	233.59	-0.42	
	4450	232.30	231.99	-0.31	
	4500	230.12	230.39	-0.27	
	4550	228.78	228.79	-0.02	
	4600	227.06	227.19	-0.13	

ANN-BMNO.5
A
H=252.01

IPN01
R=300

IPN02
R=100



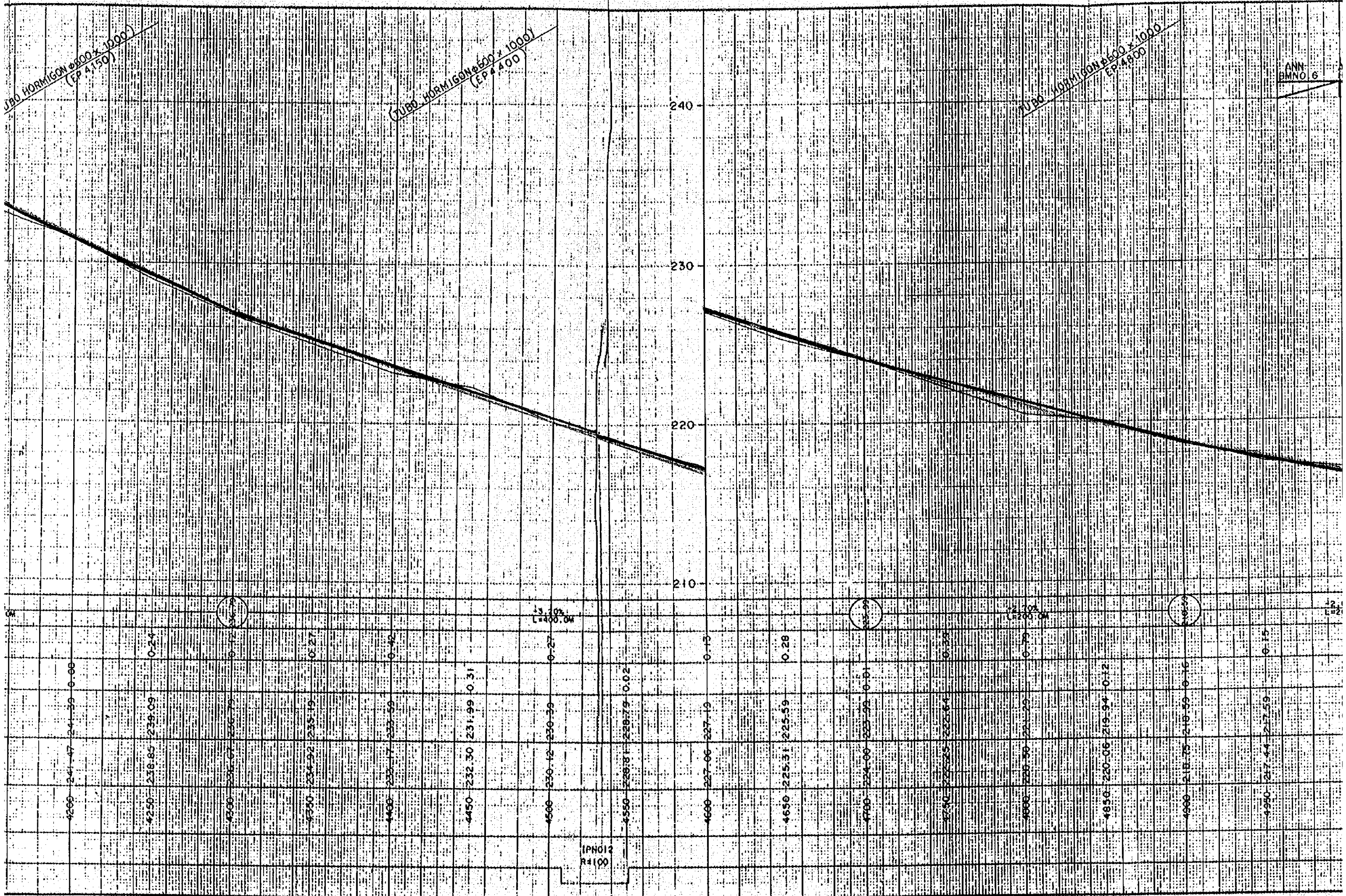
CNA PLANO
(EP 4000 x 200 L=300)

(TUBO HORMIGON Ø800 x 1000)
(EP 4.150)

(TUBO HORMIGON Ø600 x 1000)
(EP 4.400)

3.20%
L=400.0M

4.40%
L=300.0M



TUBO HORMIGON Ø800 x 1000
(Ep 4.150)

TUBO HORMIGON Ø800 x 1000
(Ep 4.00)

TUBO HORMIGON Ø800 x 1000
(Ep 4.800)

ANN
BMNO 6

IPNO12
R4(00)

12
L=2

4200 241.47 241.39 0.08

4250 236.85 239.09 0.24

4300 235.67 236.79 0.12

4350 234.92 235.19 0.27

4400 233.17 233.59 0.42

4450 232.30 231.99 0.31

4500 230.42 230.39 0.03

4550 228.81 228.79 0.02

4600 227.06 227.19 0.13

4650 225.31 225.59 0.28

4700 224.00 223.99 0.01

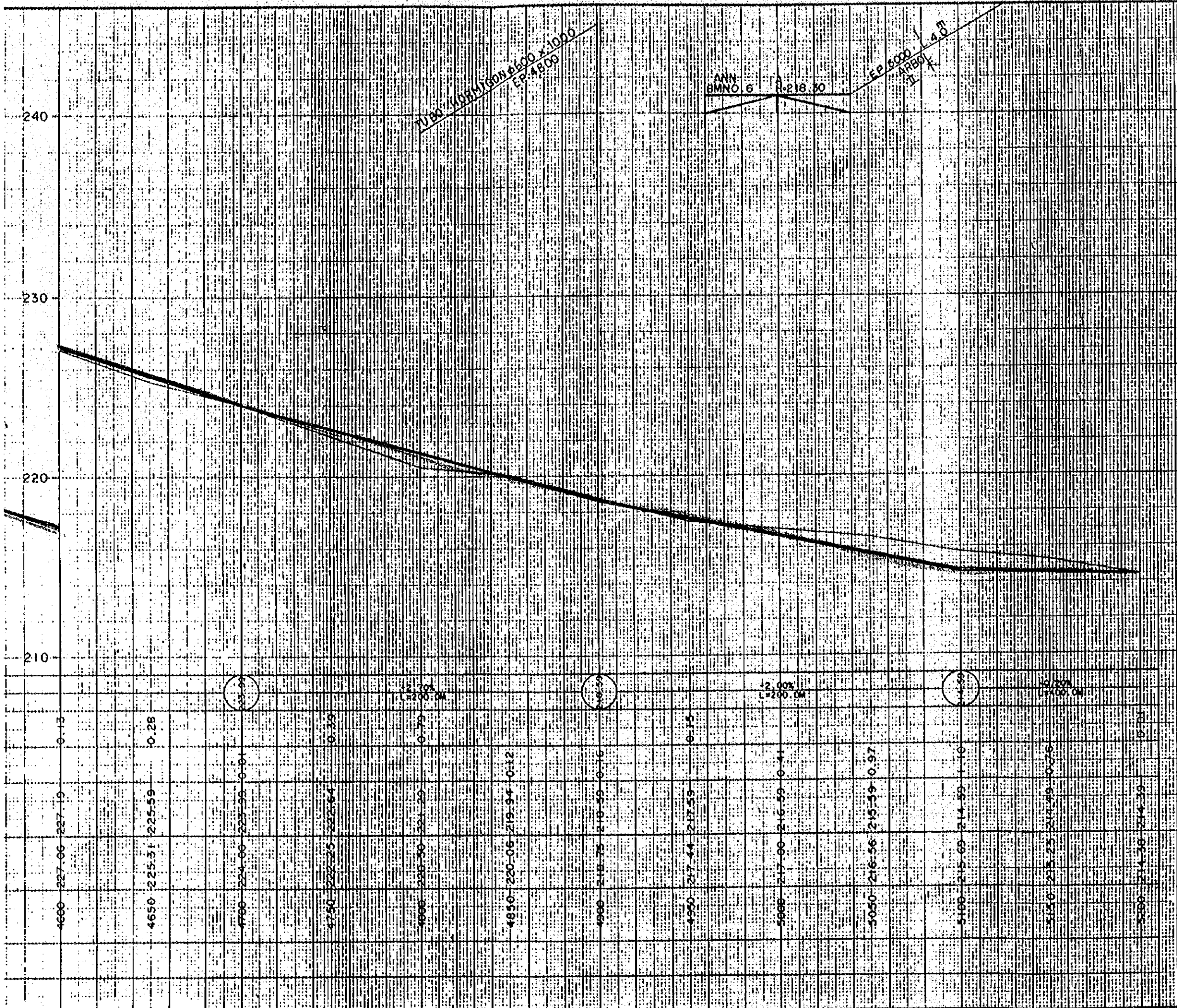
4750 222.25 222.64 0.39

4800 220.30 221.29 0.99

4850 220.06 219.94 0.12

4900 218.75 218.59 0.16

4950 217.44 217.59 0.15



SECCION DE LONGITUD 縦断図	⑤ - ④
E = 1:200 1:2,000	③⑨ - ③⑧



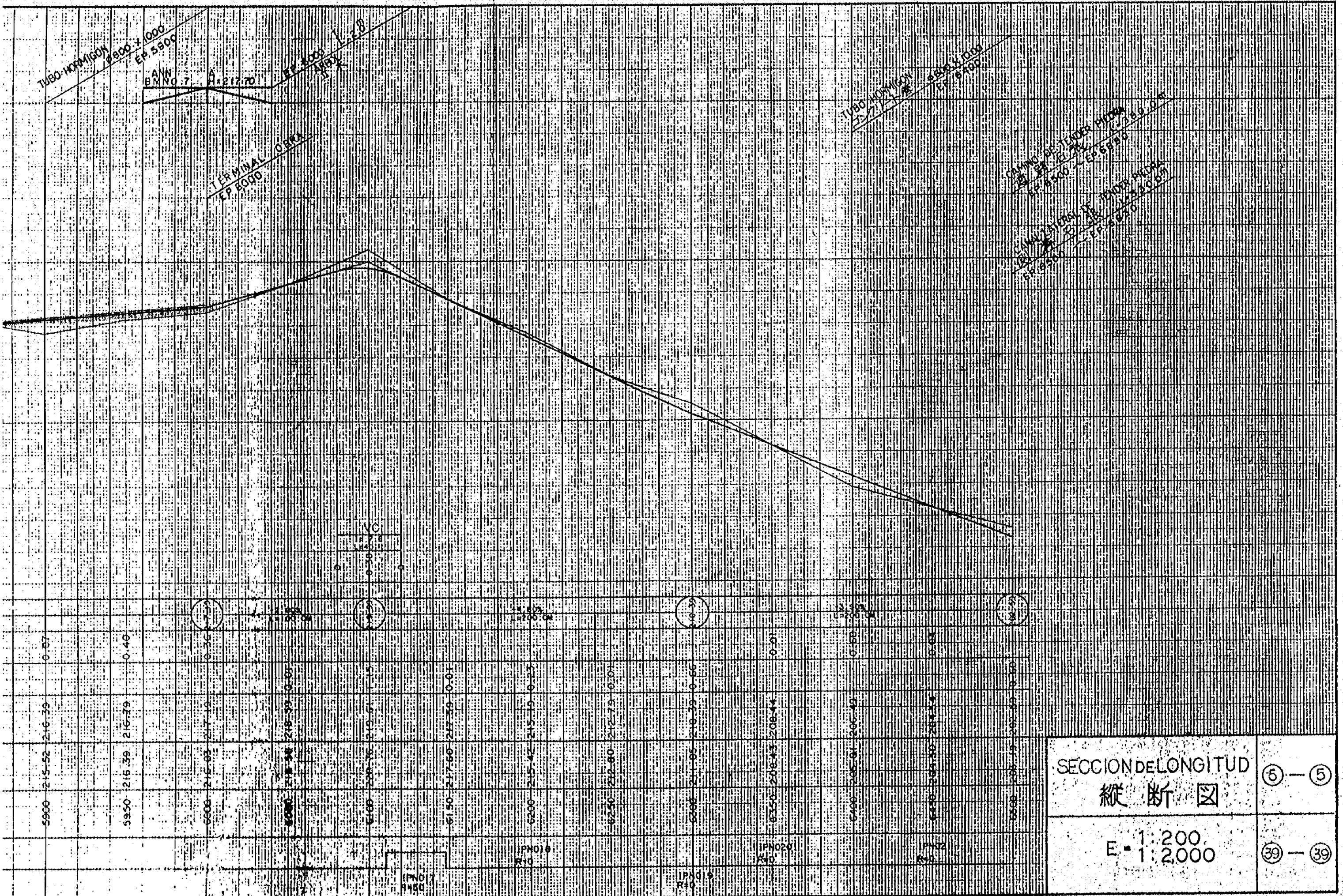
CURVA ESTACIONAMIENTO DE SEÑALES DE ALERTEA EN UN CLAVADO
 PLANO TERRENO PLAN
 COTAS EN METROS

ESTACION	COTA	ALTEZA
5200	214.50	0.81
5250	214.87	0.53
5300	214.30	0.19
5350	214.82	0.73
5400	214.30	0.39
5450	213.07	0.82
5500	212.63	1.61
5550	213.94	0.10
5600	215.00	0.86
5650	214.85	0.11
5700	214.85	0.44
5750	215.52	0.33
5800	215.52	0.67
5850	216.39	0.40
5900	215.52	0.87

CURVA HORIZONTAL 500 + 1000
 L.P. 2500

TUBO HORN
 1500 + 1000

TUBO HORN



SECCION DELONGITUD
縦断図

⑤ - ⑤

E = 1:200
E = 1:2000

③9 - ③9

