

CLAVE:
23-Q-06

LIQUIDACIÓN DEL MODIFICADO Nº1

TÍTULO DEL PROYECTO:

**ESTACIÓN DEPURADORA DE AGUAS RESIDUALES DE
BINÉFAR (HUESCA)**

TOMO II

**DOCUMENTO Nº 2 – JUSTIFICANTES
PLANOS**

MAYO DE 2.002

EL INGENIERO AUTOR DEL PROYECTO

DAVID MONTERO MONTERO

U.T.E.

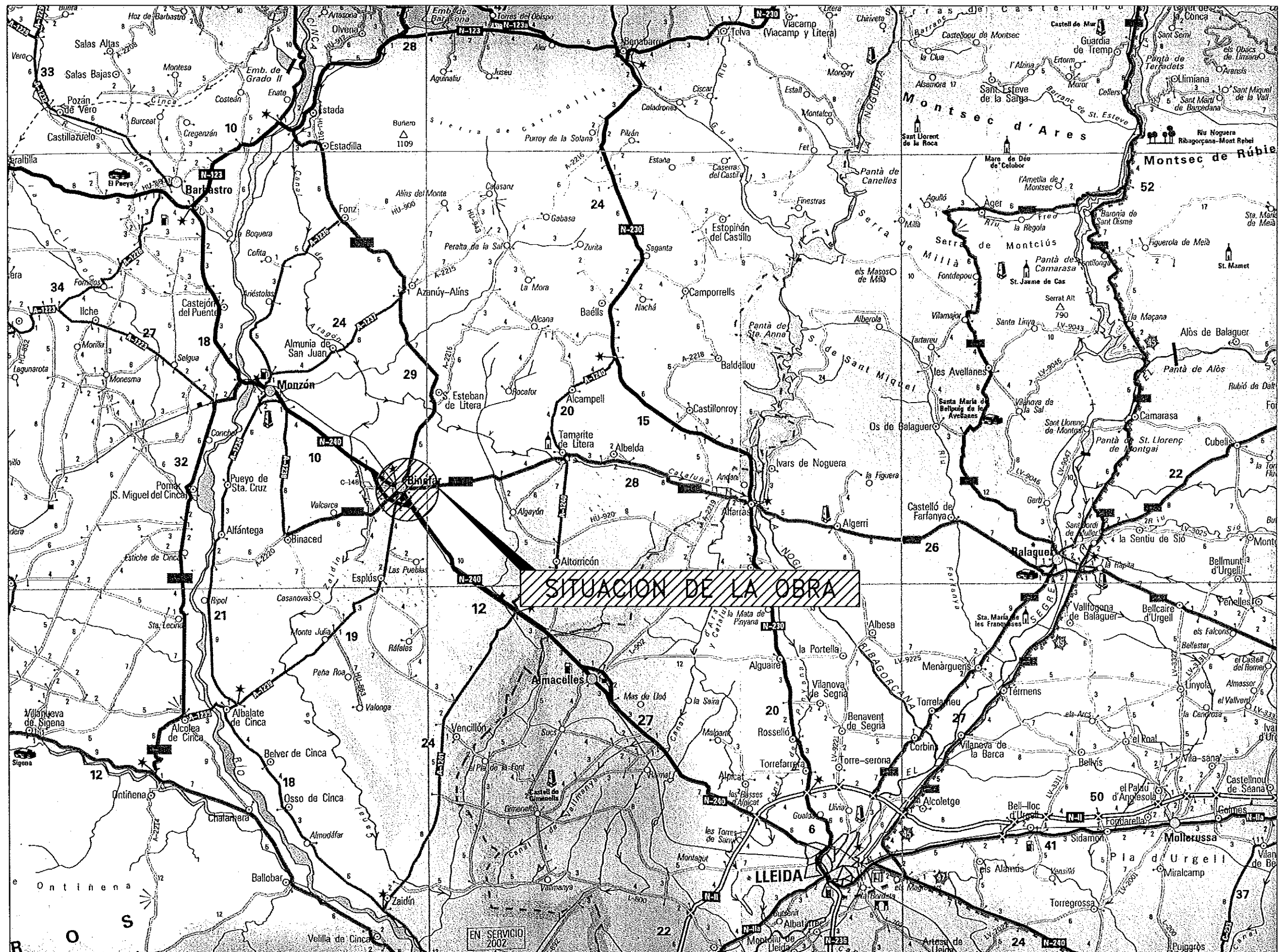
 **acuaestudios, s. a.**
TRATAMIENTO DE AGUAS

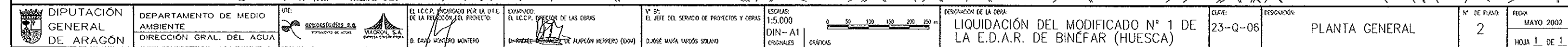
 **VIACRON, S.A.**
EMPRESA CONSTRUCTORA

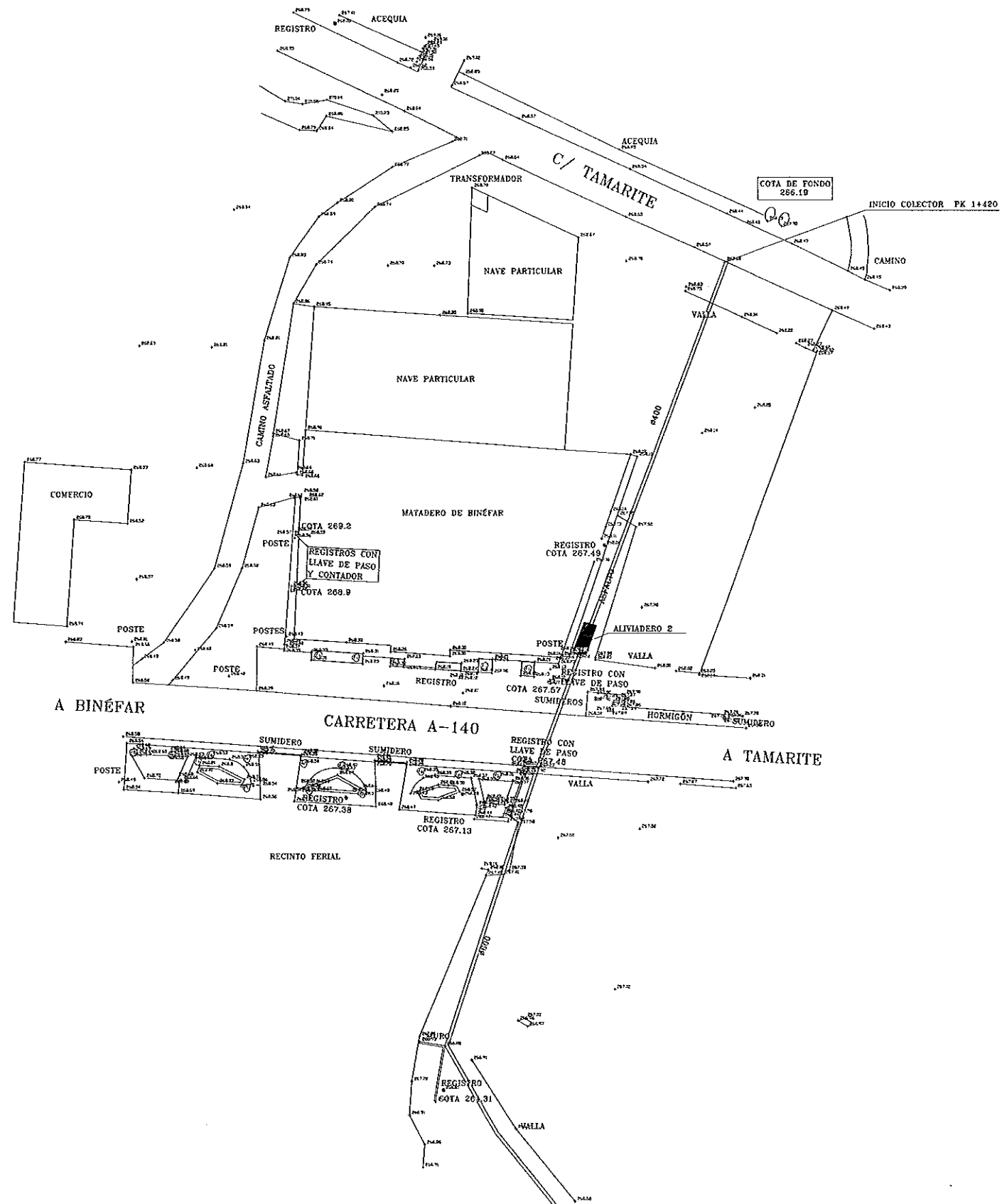
2.1.- PLANOS

INDICE DE PLANOS EDAR BINEFAR (HUESCA)

PLANO	DESIGNACIÓN	HOJAS
1	SITUACION	1 plano
2	PLANTA GENERAL	1 plano
3-1	TOPOGRAFÍA; CRUCE CARRETERA A-140	1 plano
3-2	TOPOGRAFÍA; PARCELA E.D.A.R.	1 plano
3-3	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANS. PRECARGA	1 plano
3-4	TOPOGRAFÍA MODIFICADA: PERFILES TANSVERSALES PRECARGA	1 plano
3-5	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANSVERSALES II	1 plano
3-6	TOPOGRAFÍA MODIFICADA: PERFILES TRANSVERSALES II	1 plano
4-1	COLECTOR A E.D.A.R.: TRAZADO EN PLANTA	4 planos
4-2	COLECTOR A E.D.A.R.: PERFIL LONGITUDINAL	5 planos
4-3	COLECTOR A E.D.A.R.: SECCIONES TIPO	1 plano
4-4	COLECTOR A E.D.A.R.: ALIVIADERO 2: SECCIONES	1 plano
4-5	COLECTOR A E.D.A.R.: ALIVIADERO 3: SECCIONES	1 plano
4-6	COLECTOR A E.D.A.R.: SERVICIOS AFECTADOS	4 planos
4-7	COLECTOR A E.D.A.R.: AFECCIONES	5 planos
5	IMPLANTACIÓN GENERAL	1 plano
6	CONDUCCIONES INTERIORES: PLANTA	1 plano
6-2	CONDUCCIONES INTERIORES: LONGITUDINALES	6 planos
7	LÍNEA PIEZOMÉTRICA	1 plano
8-1	OBRA DE LLEGADA: ALIVIADERO Y BY-PASS	1 plano
8-2	OBRA DE LLEGADA: CRUCE COLECTOR DE LA FALEVA	2 planos
9	POZO DE GRUESOS Y ELEVACIÓN	2 planos
10	EDIFICIO DE PRETRATAMIENTO	5 planos
11	TAMIZADO	2 planos
12	DESARENADO Y DESENGRASE	5 planos
13	ALIVIADERO Y MEDICIÓN DE CAUDAL	1 plano
14	REACTOR BIOLÓGICO	4 planos
15	ARQUETA DE REPARTO A DECANTACIÓN SECUNDARIA	1 plano
16	DECANTADORES SECUNDARIOS Nº 1 Y Nº 2	4 planos
17	MEDIDOR DE CAUDAL	1 plano
18	LABERINTO DE CLORACIÓN	1 plano
19	ESPEADOR	2 planos
20	POZO DE FANGOS	1 plano
21	POZO DE FLOTANTES	1 plano
22	POZO DE VACIADOS	1 plano
23	EDIFICIOS DE CONTROL, FANGOS Y SOPLANTES	12 planos
24	URBANIZACIÓN	5 planos
25-1	ELECTRICIDAD: CENTRO DE TRANSFORMACIÓN	1 plano
25-2	ELECTRICIDAD B.T.: CUADROS GENERALES DE DISTRIBUCIÓN	varias
25-3	ELECTRICIDAD: CUADROS Y ACOMETIDAS	1 plano
25-4	ELECTRICIDAD: EDIFICIO DE PRETRATAMIENTO ILUM. INTERIOR	1 plano
25-5	ELECTRICIDAD: EDIFICIO DE CONTROL, FANGOS Y SOPLANTES	1 plano
25-6	ELECTRICIDAD: ESQUEMAS ARMARIOS AUTOMATISMOS	varias
26	ESQUEMA DE FUNCIONAMIENTO	6 planos



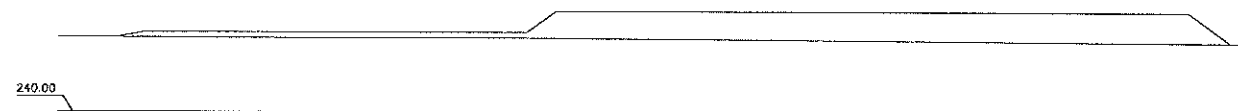




PERFIL 1
S = 29.38 m²



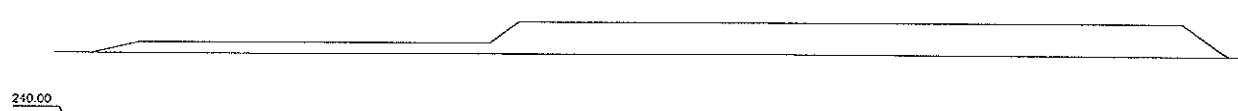
PERFIL 2
S = 380.21 m²



PERFIL 3
S = 422.69 m²



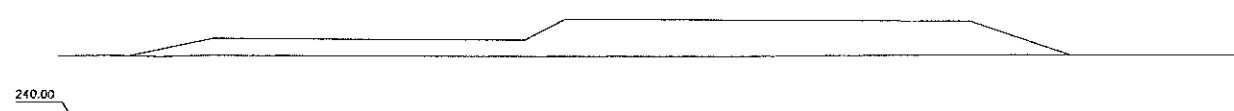
PERFIL 4
S = 475.52 m²



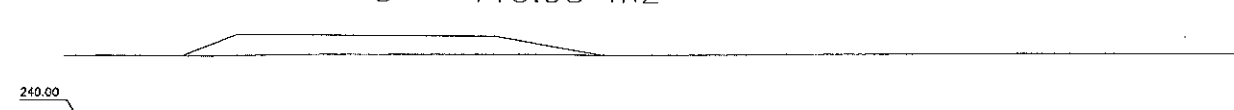
PERFIL 5
S = 435.59 m²



PERFIL 6
S = 411.84 m²



PERFIL 7
S = 113.98 m²

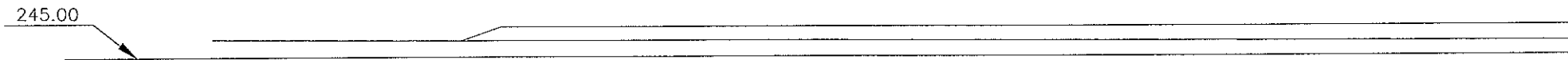


PERFIL 8
S = 49.12 m²

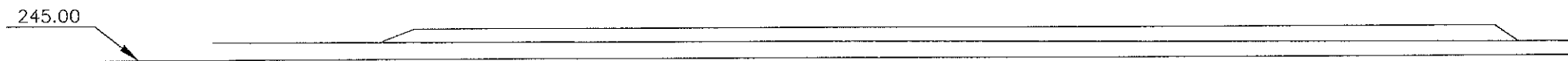




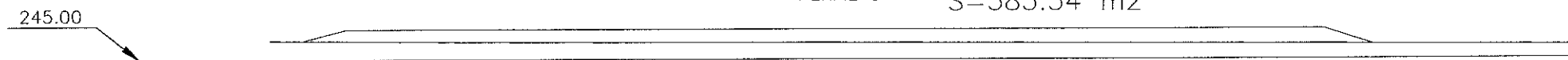
PERFIL 1 S=442.80 m2



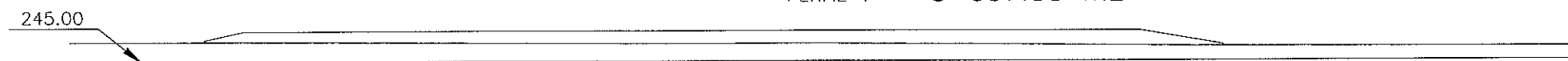
PERFIL 2 S=438.14 m2



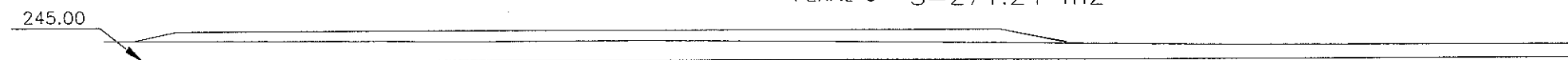
PERFIL 3 S=385.34 m2



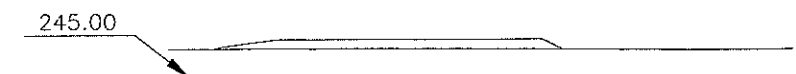
PERFIL 4 S=337.88 m2



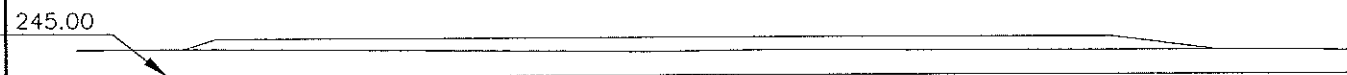
PERFIL 5 S=271.24 m2



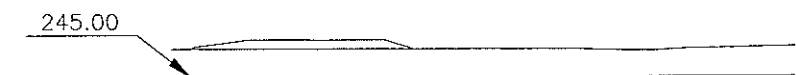
PERFIL 9 S=50.38 m2



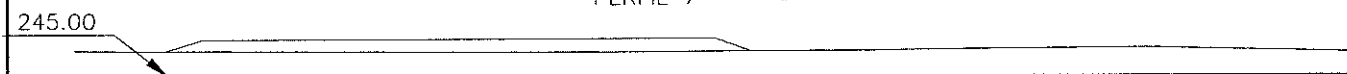
PERFIL 6 S=217.17 m2



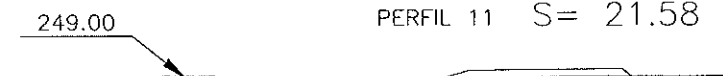
PERFIL 10 S=29.69 m2



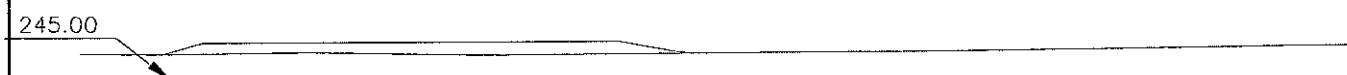
PERFIL 7 S=124.41 m2



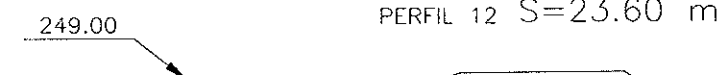
PERFIL 11 S= 21.58 m2



PERFIL 8 S=96.12 m2



PERFIL 12 S=23.60 m2





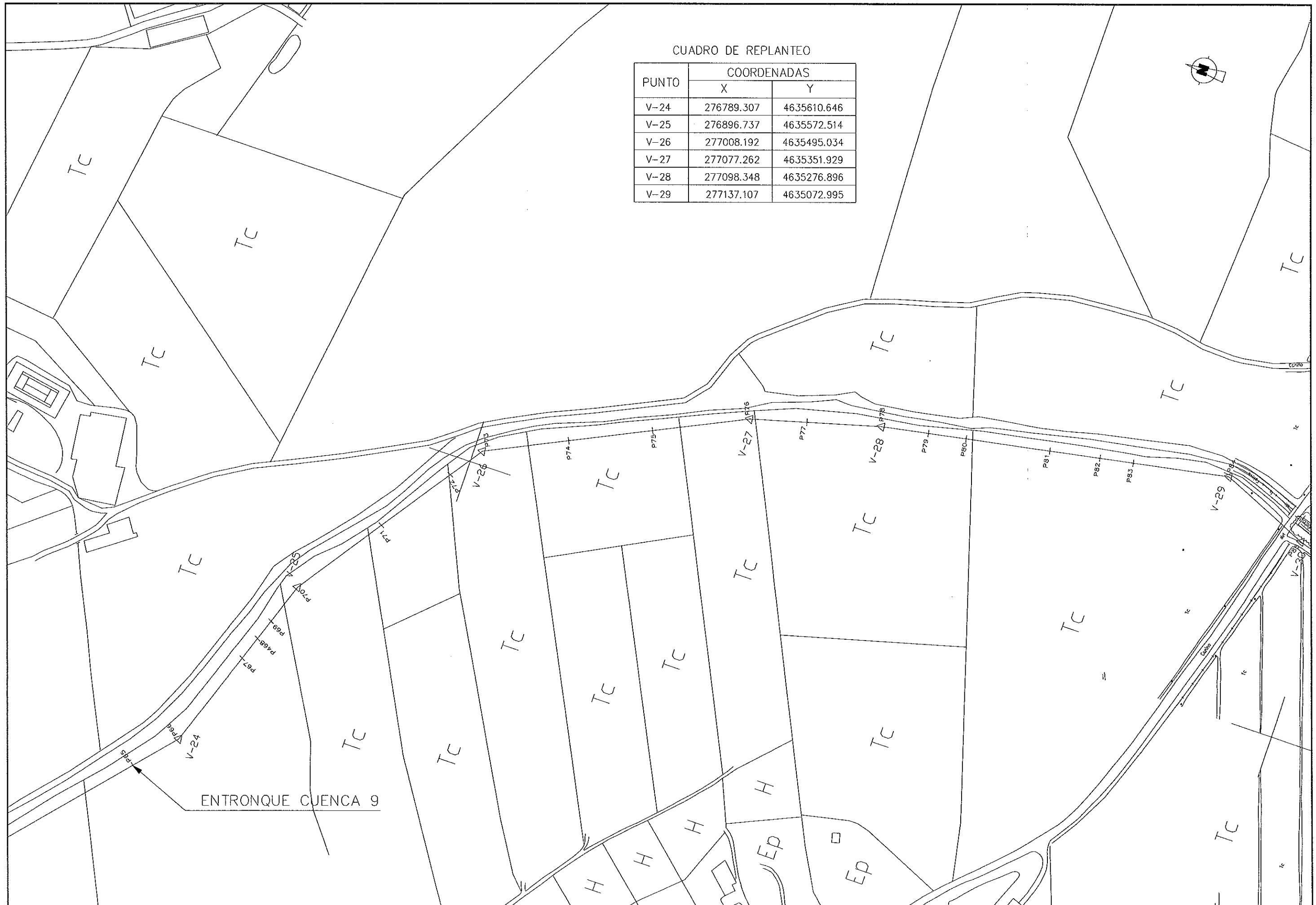
CUADRO DE REPLANTEO

PUNTO	COORDENADAS	
	X	Y
V- 9	276251.576	4636969.858
V-10	276210.982	4636798.575
V-11	276217.978	4636774.107
V-12	276280.933	4636726.098
V-13	276323.760	4636623.226
V-14	276366.645	4636583.283
V-15	276374.578	4636529.794
V-16	276391.416	4636429.176
V-17	276394.783	4636343.538



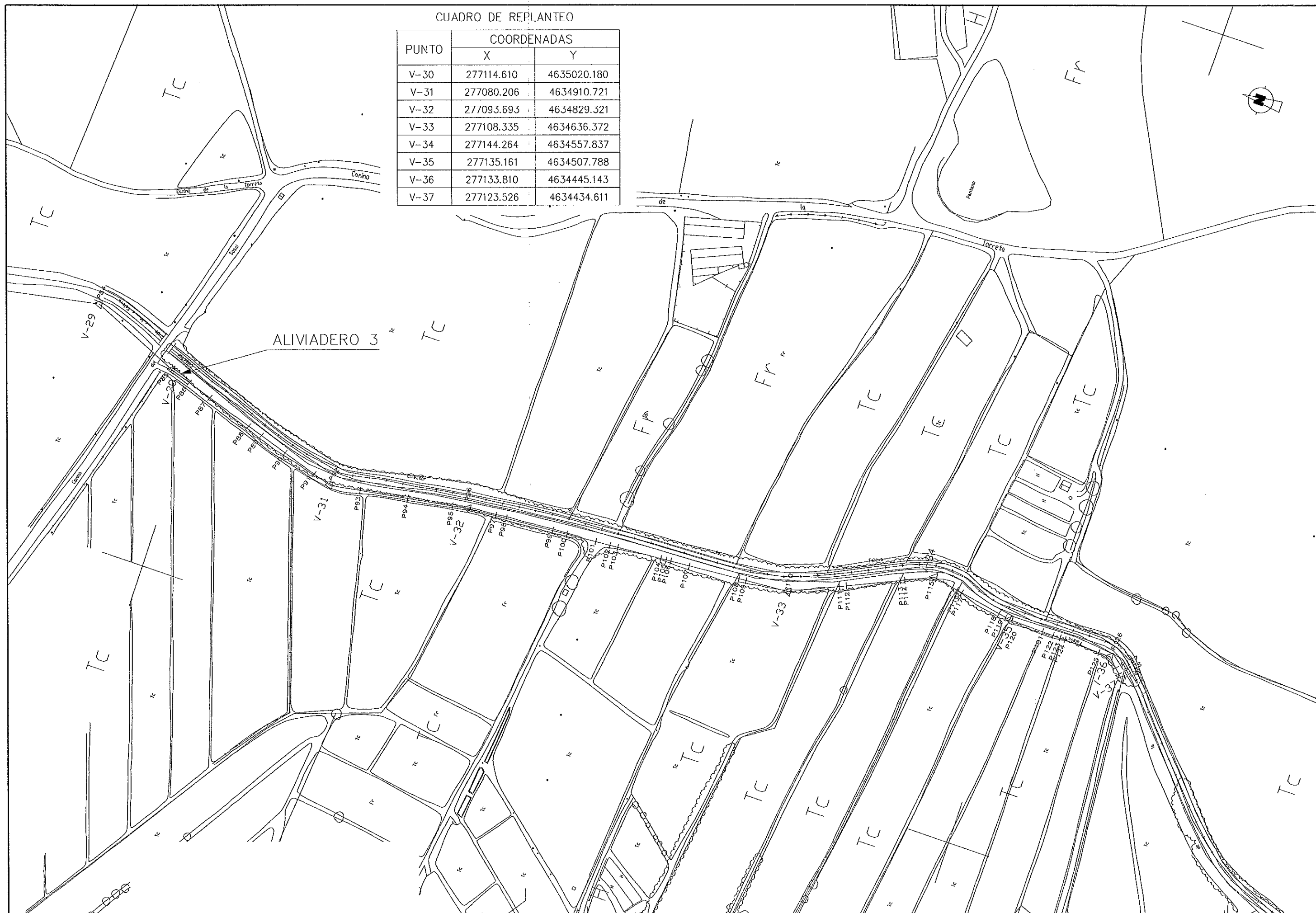
CUADRO DE REPLANTEO

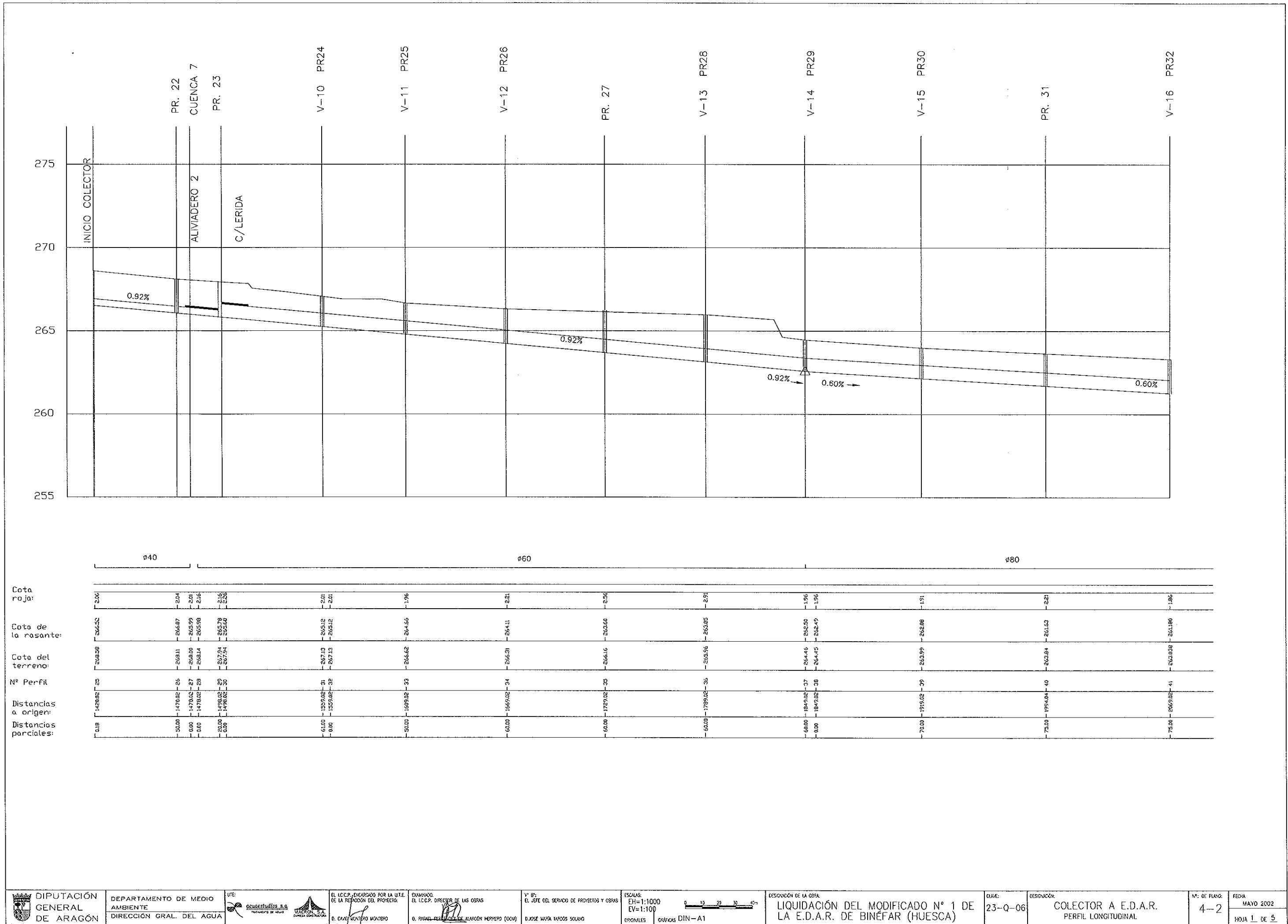
PUNTO	COORDENADAS	
	X	Y
V-24	276789.307	4635610.646
V-25	276896.737	4635572.514
V-26	277008.192	4635495.034
V-27	277077.262	4635351.929
V-28	277098.348	4635276.896
V-29	277137.107	4635072.995

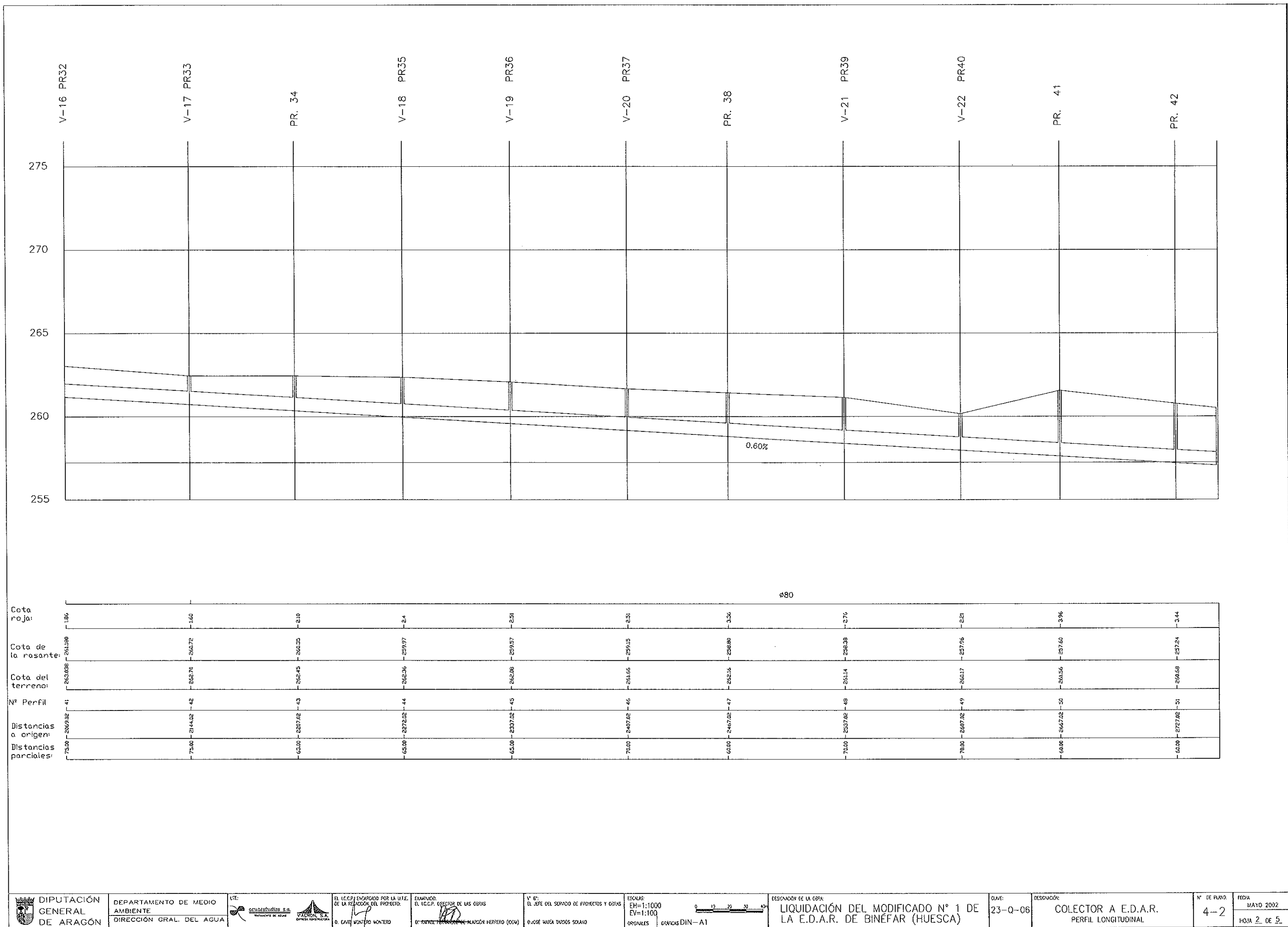


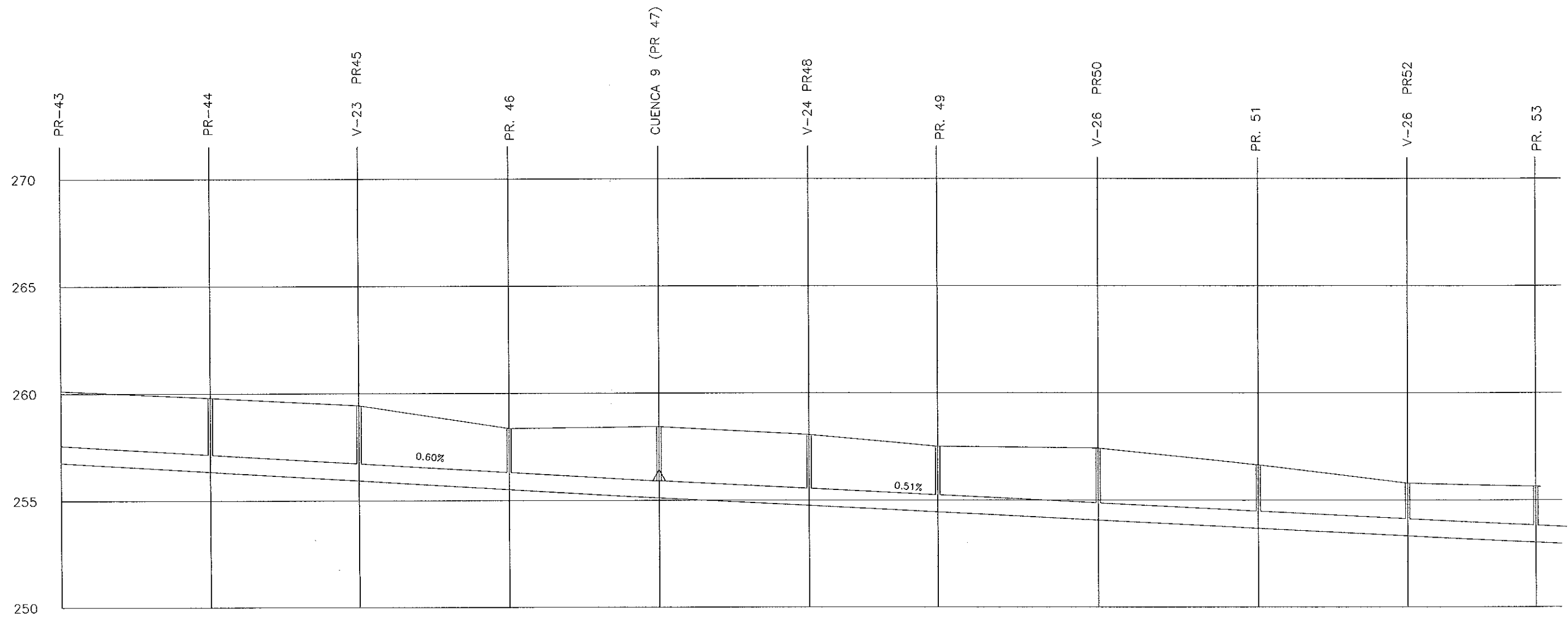
CUADRO DE REPLANTEO

PUNTO	COORDENADAS	
	X	Y
V-30	277114.610	4635020.180
V-31	277080.206	4634910.721
V-32	277093.693	4634829.321
V-33	277108.335	4634636.372
V-34	277144.264	4634557.837
V-35	277135.161	4634507.788
V-36	277133.810	4634445.143
V-37	277123.526	4634434.611

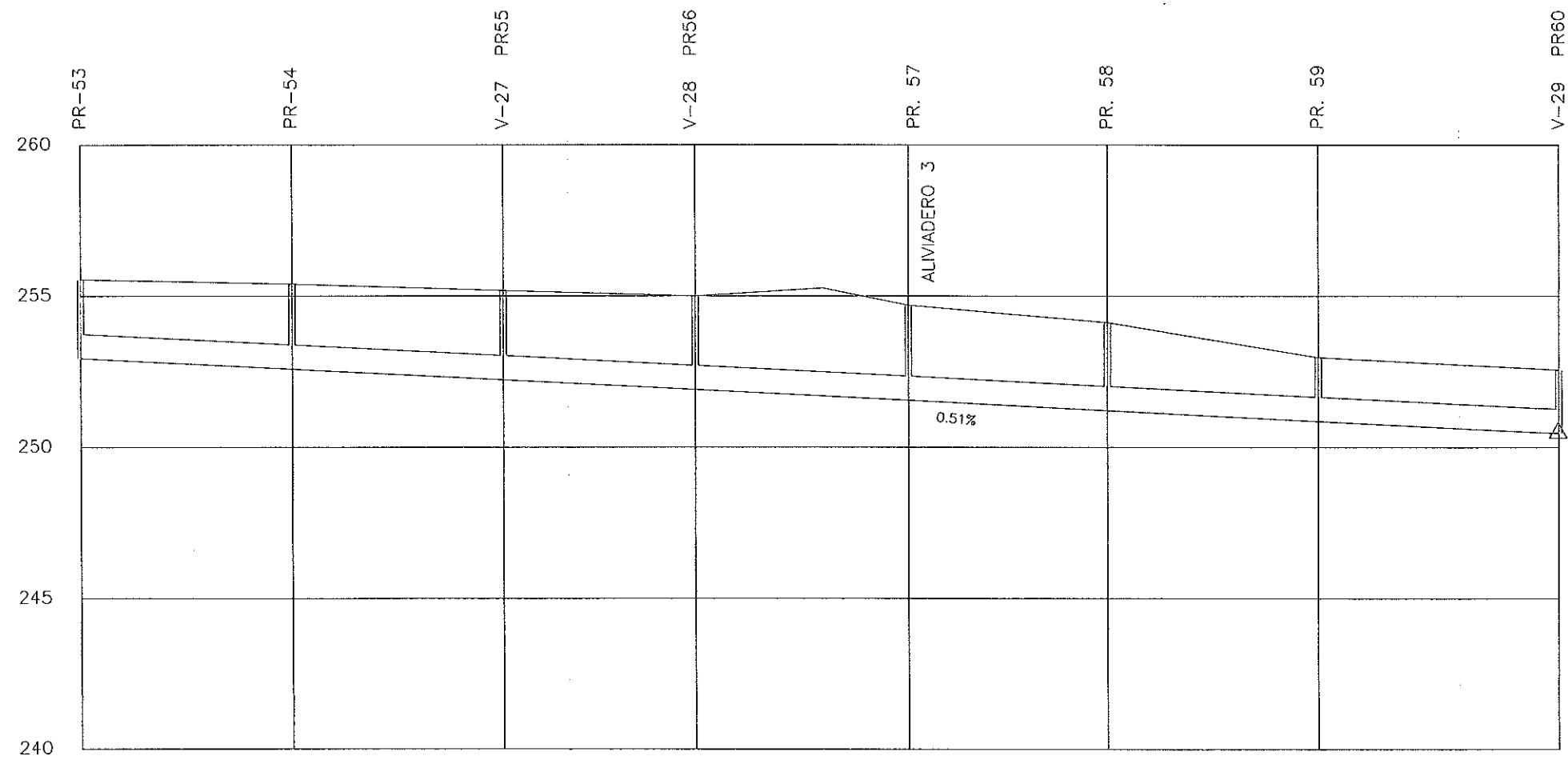




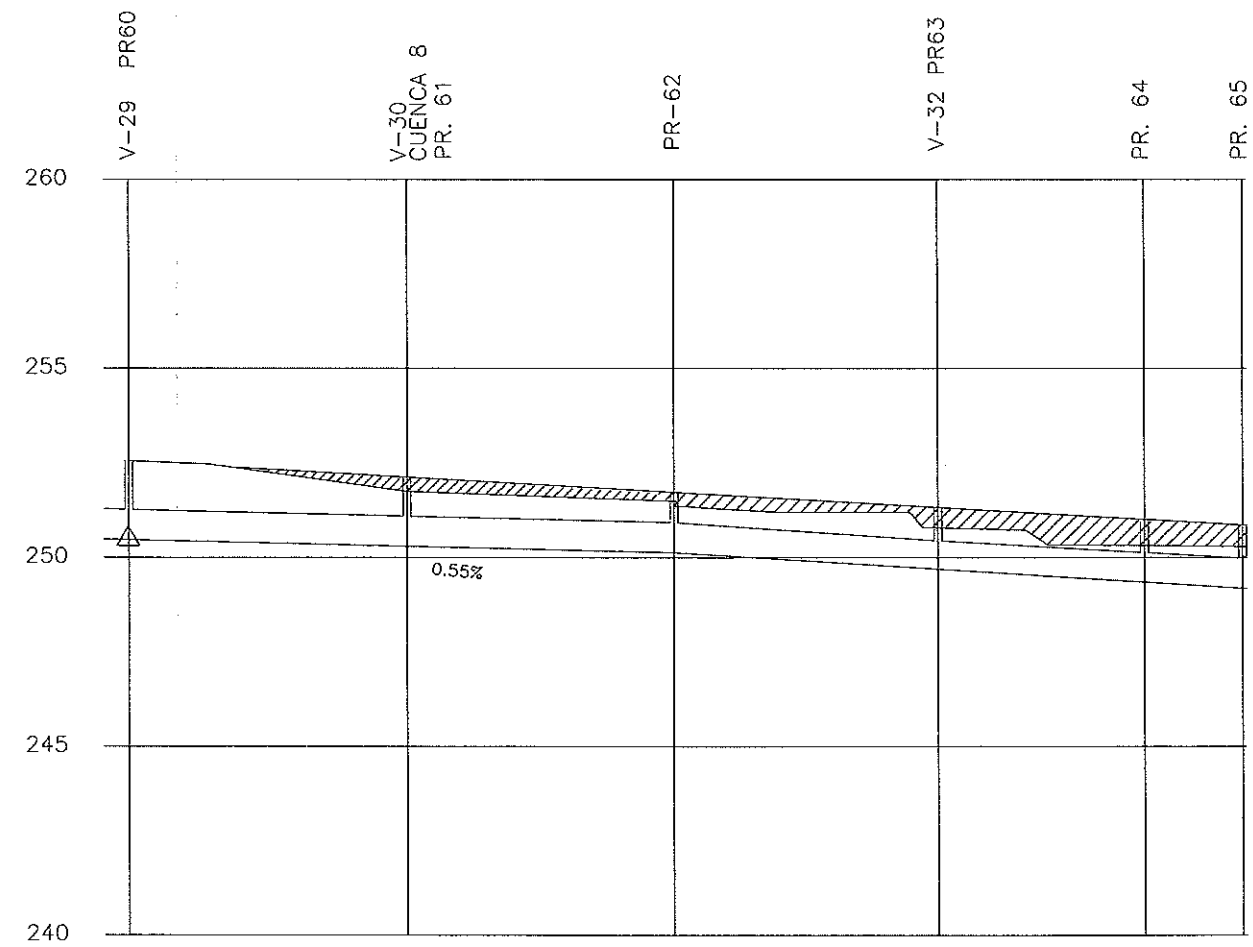




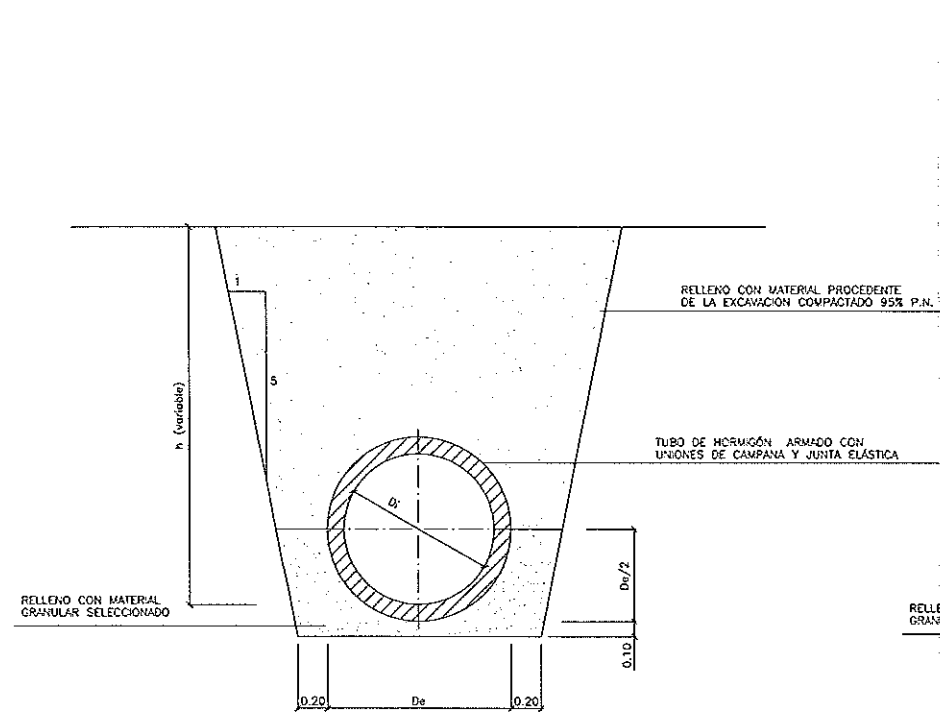
	ø80										ø80									
Cota roja:	3.46	3.46	3.51	2.96	3.44	3.31	3.06	3.36	2.96	2.46	2.61									
Cota de la rasante:	256.76	256.34	255.92	255.50	255.08	254.723	254.42	254.03	253.64	253.25	252.94									
Cota del terreno:	260.12	259.80	259.43	259.06	258.62	258.03	257.48	257.39	256.60	255.71	255.55									
Nº Perfil	52	53	54	55	56	57	58	59	60	61	62									
Distancias a origen:	2807.02	2877.02	2947.02	3017.02	3087.02	3157.02	3227.02	3296.03	3371.03	3441.03	3500.03									
Distancias parciales:	80.00	70.00	70.00	70.00	70.00	70.00	60.00	75.00	75.00	70.00	60									



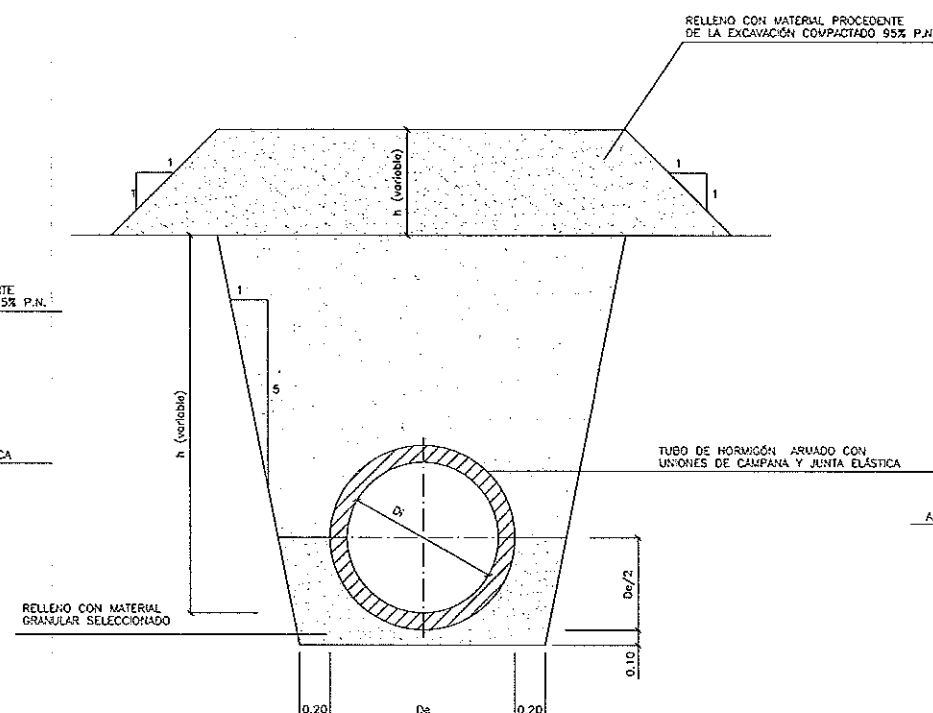
	ø80									
Cota roja:	2.61	2.61	2.66	2.66	3.16	3.16	2.91	2.11	2.11	
Cota de la rasante:	252.94	252.58	252.22	251.80	251.54	251.54	251.20	250.84	250.43	
Cota del terreno:	255.55	255.393	255.18	254.86	254.70	254.70	254.11	252.953	252.54	
Nº Perfil	62	63	64	65	66	67	68	69	70	
Distancias a origen:	3501.03	3571.03	3641.03	3704.33	3774.33	3774.33	3840.33	3910.33	3990.33	
Distancias parciales:	80	70.00	70.00	63.5	70.00	0.00	66.00	70.00	80.00	



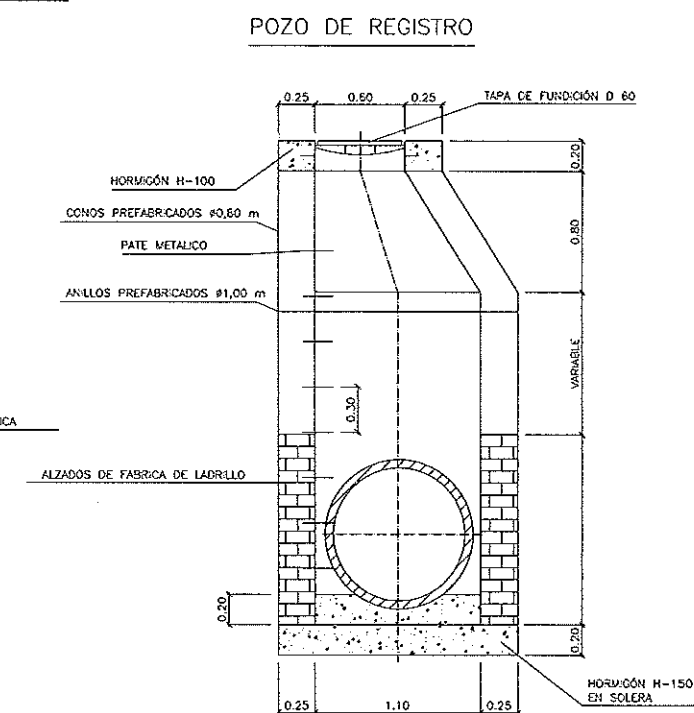
	80					
Cota rojo:	2.11	1.66	1.36	1.16	1.11	1.21
Cota de la rasante:	250.43	250.43	250.04	249.68	249.36	249.22
Cota del terreno:	252.54	252.08	251.40	250.82	250.47	250.43
Cota del relleno:		0.36	0.36	0.23	0.69	0.46
Nº Perfil	70	71	72	73	74	75
Distancias o origen:	3776.20	3850.20	4134.53	4204.53	4250.53	4286.53
Distancias parciales:	80.00	74.00	70.00	70.00	55.00	25.00



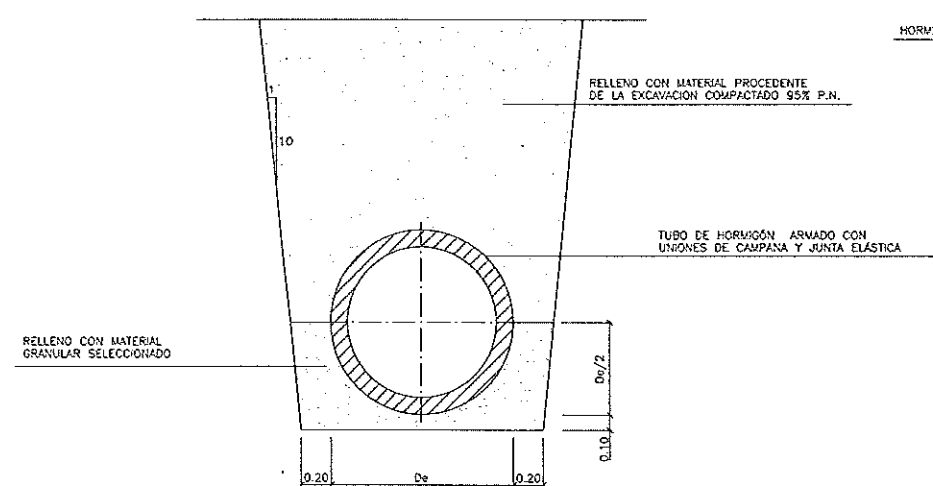
SECCIÓN TIPO



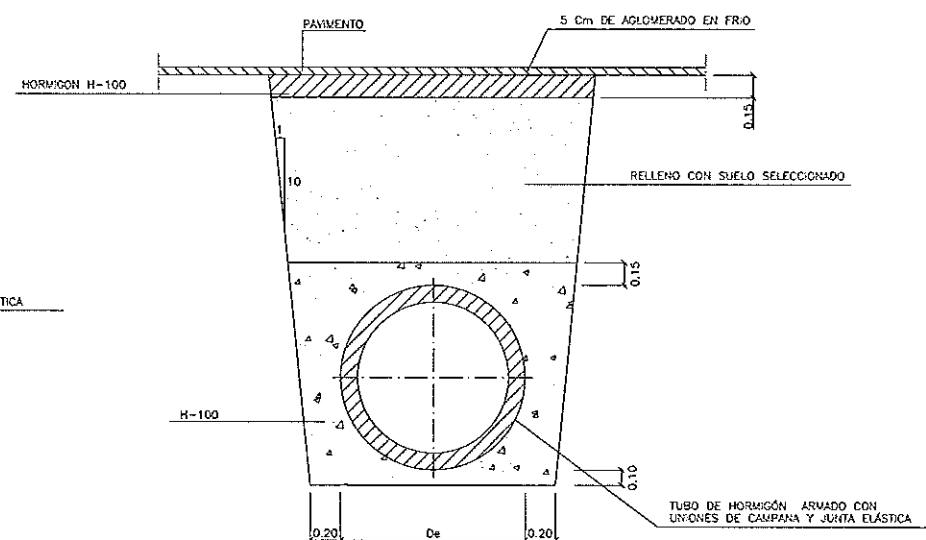
SECCIÓN TIPO ZONA DE RELLENO



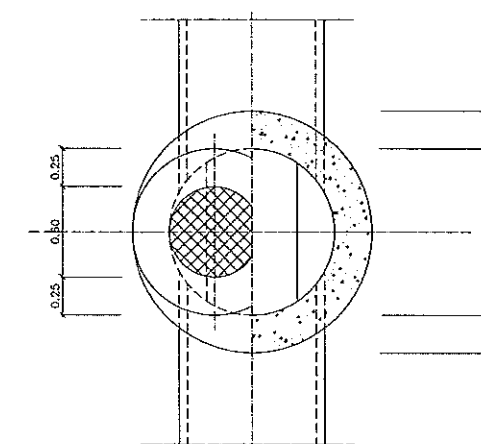
ALZADO



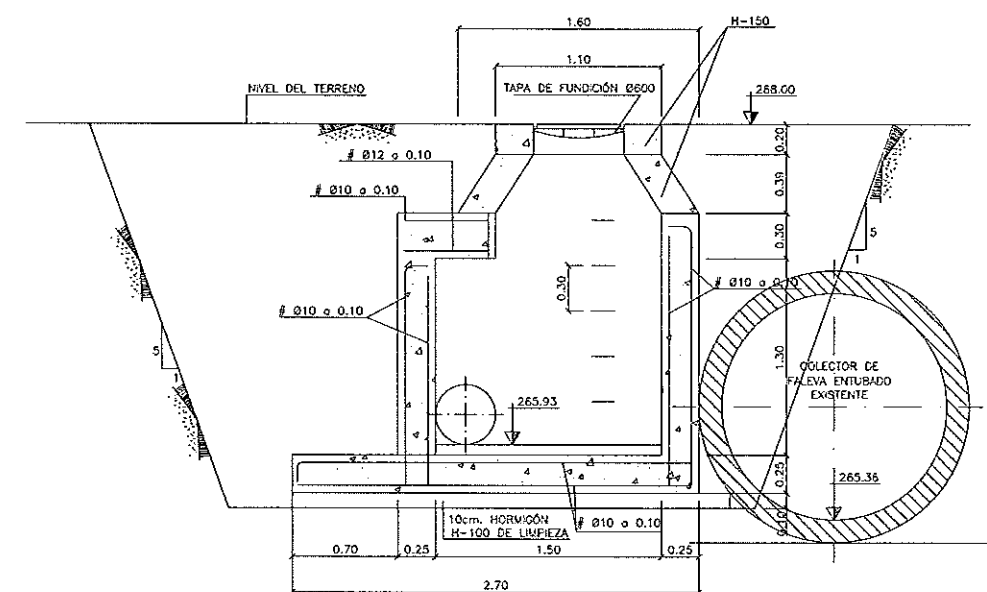
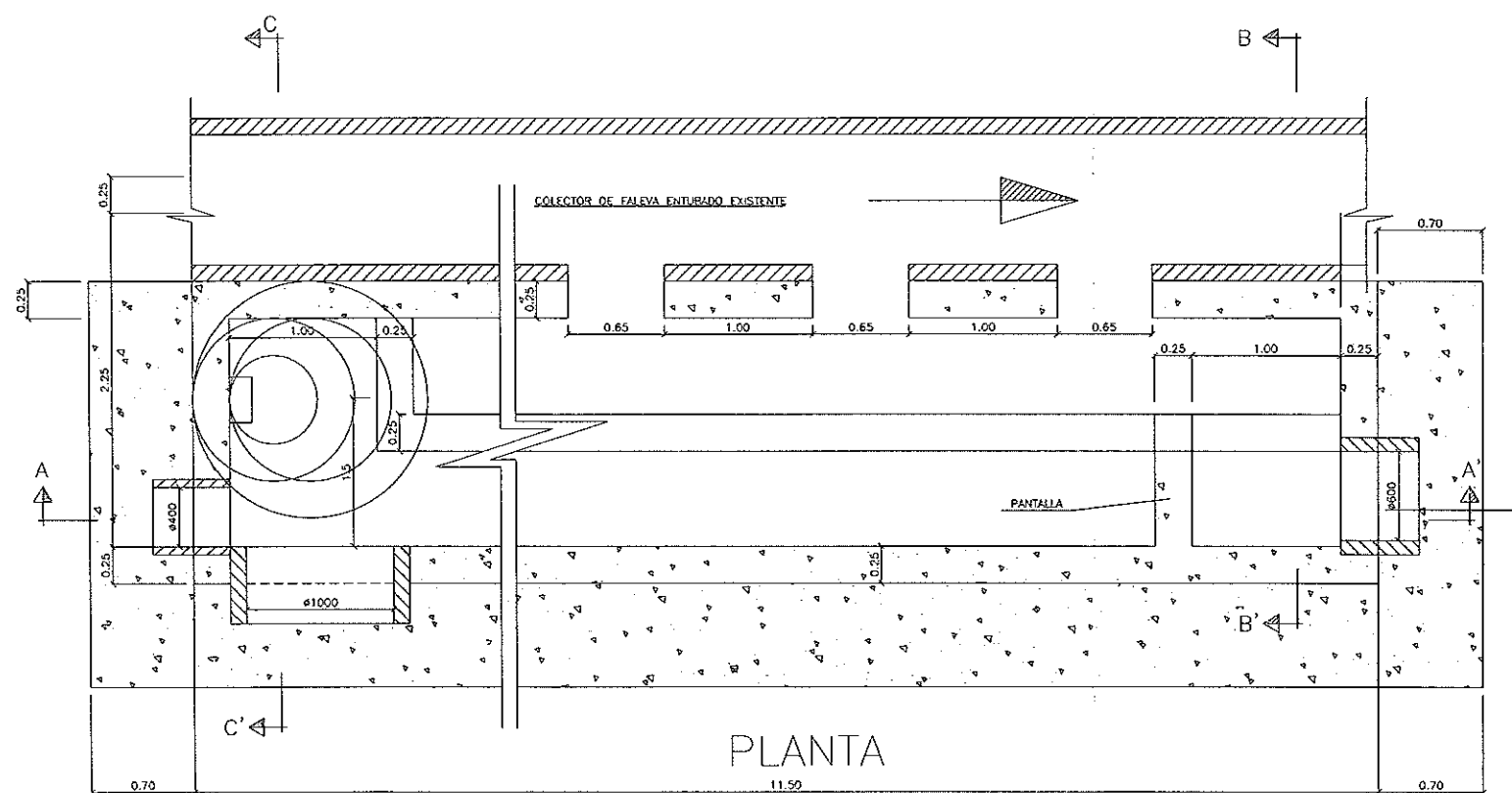
SECCIÓN TIPO ZONA URBANA



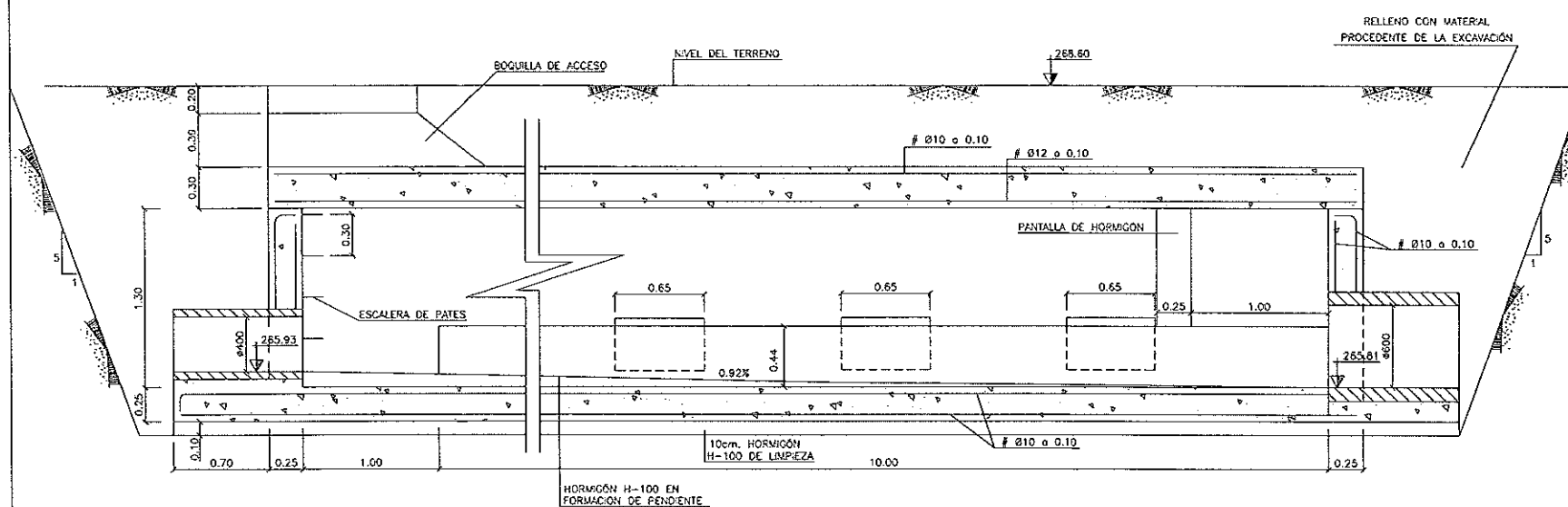
SECCIÓN EN CRUCE DE CARRETERA



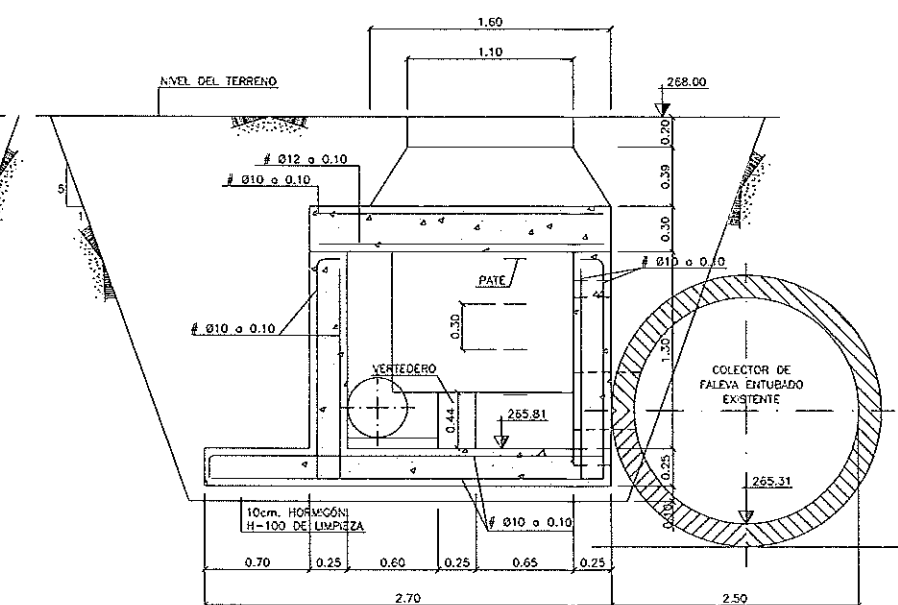
PLANTA



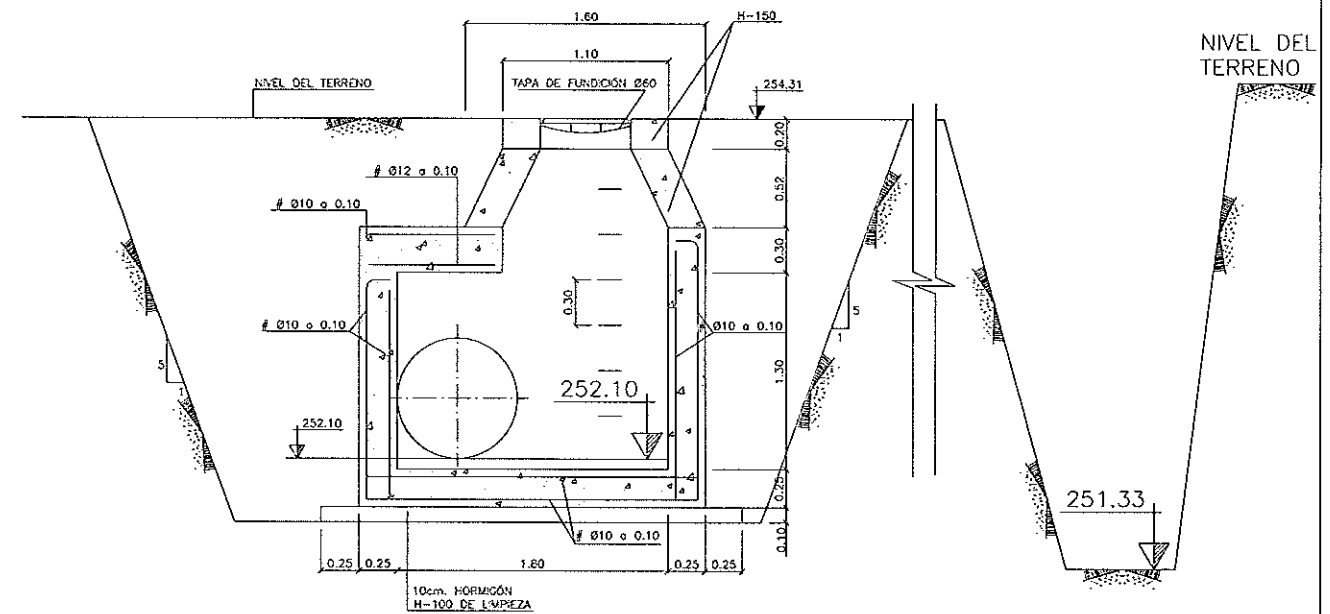
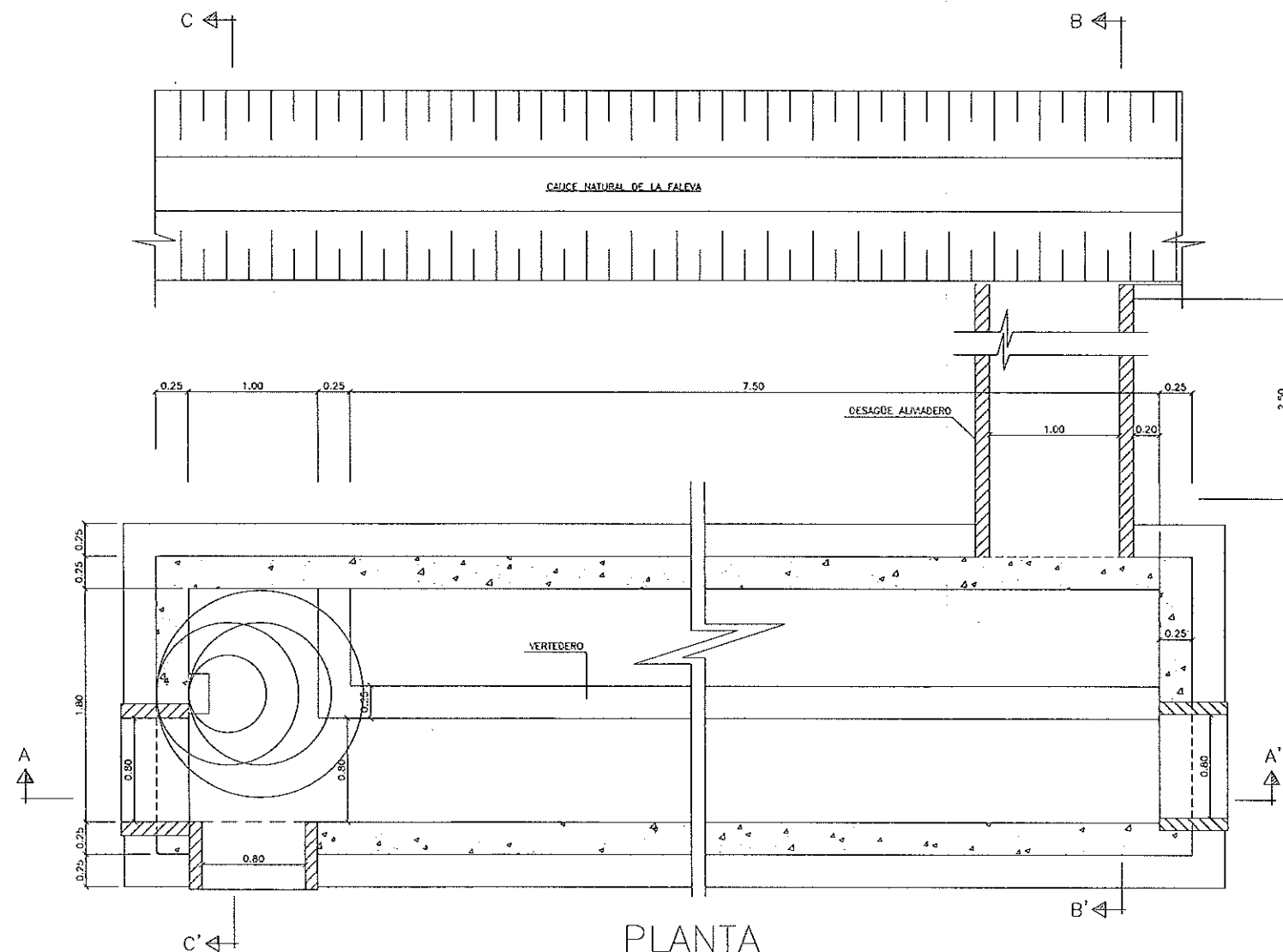
SECCIÓN C-C'



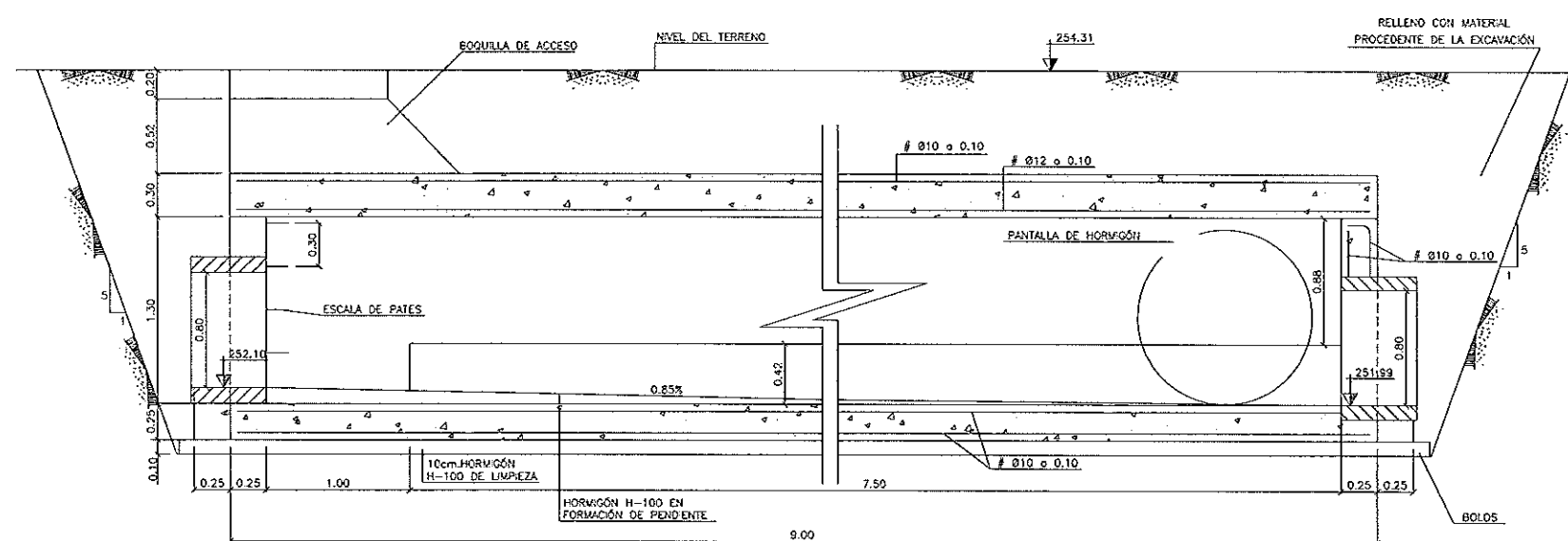
SECCIÓN A-A'



SECCIÓN B-B'



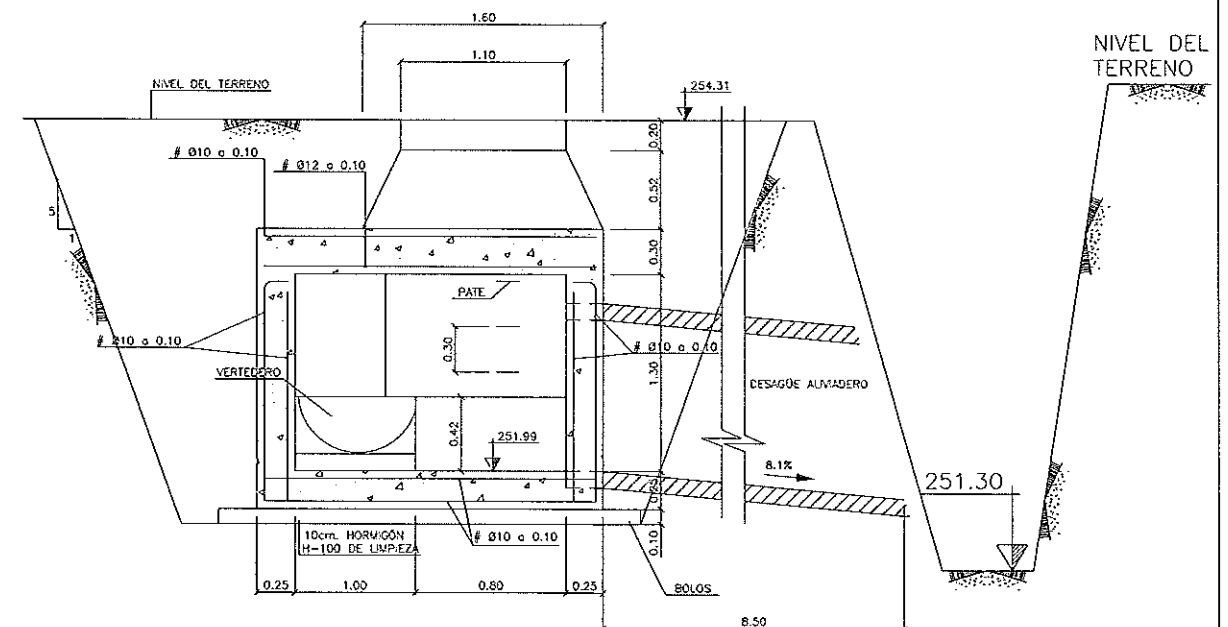
SECCIÓN C-C'



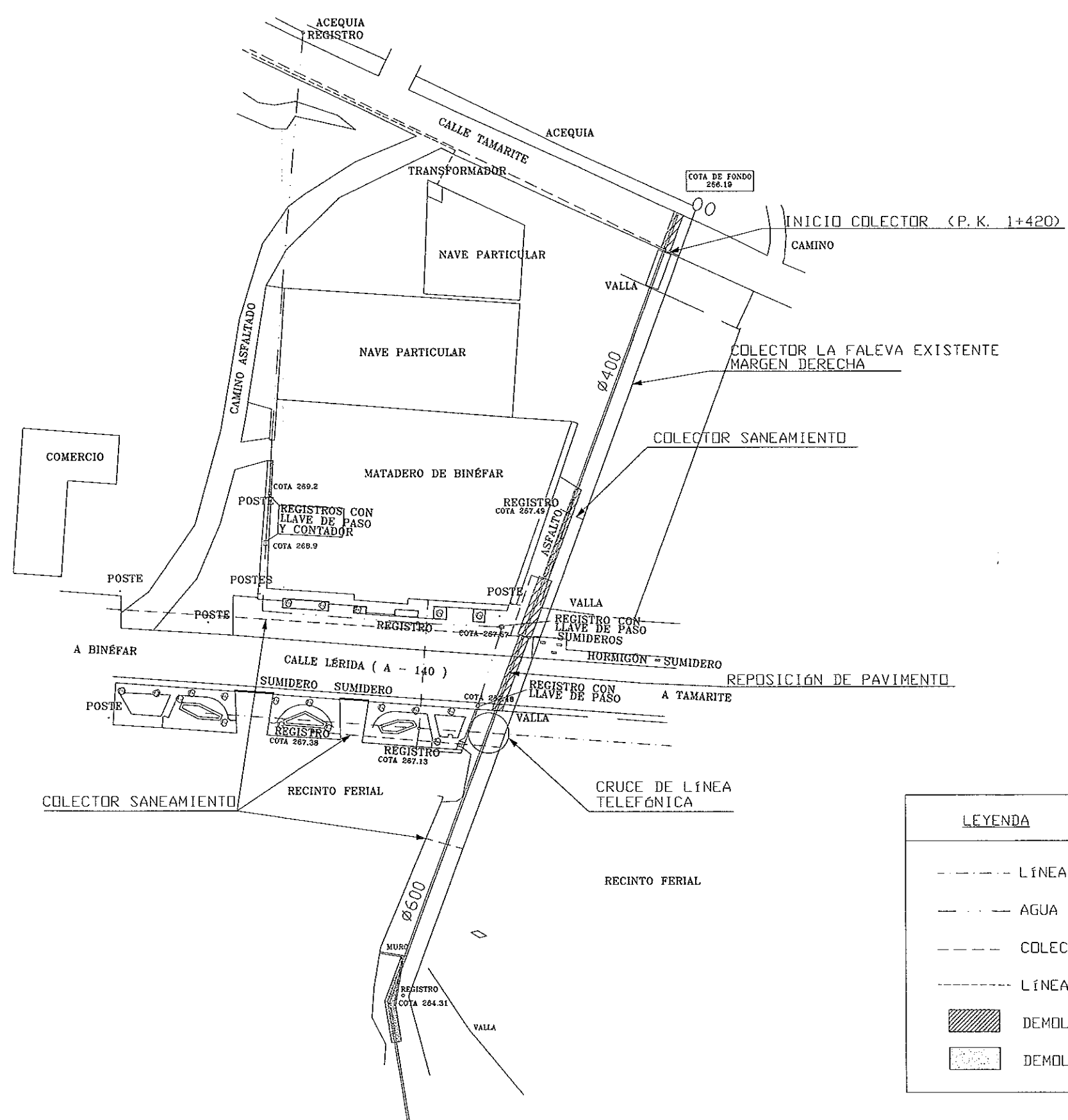
SECCIÓN A-A'

CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFIC. DE SEGURIDAD
HORMIGÓN	H-200	NORMAL	1.50
	H-150	NORMAL	1.50
ACERO	AEH-500	NORMAL	1.15
EJECUCIÓN		NORMAL	1.60

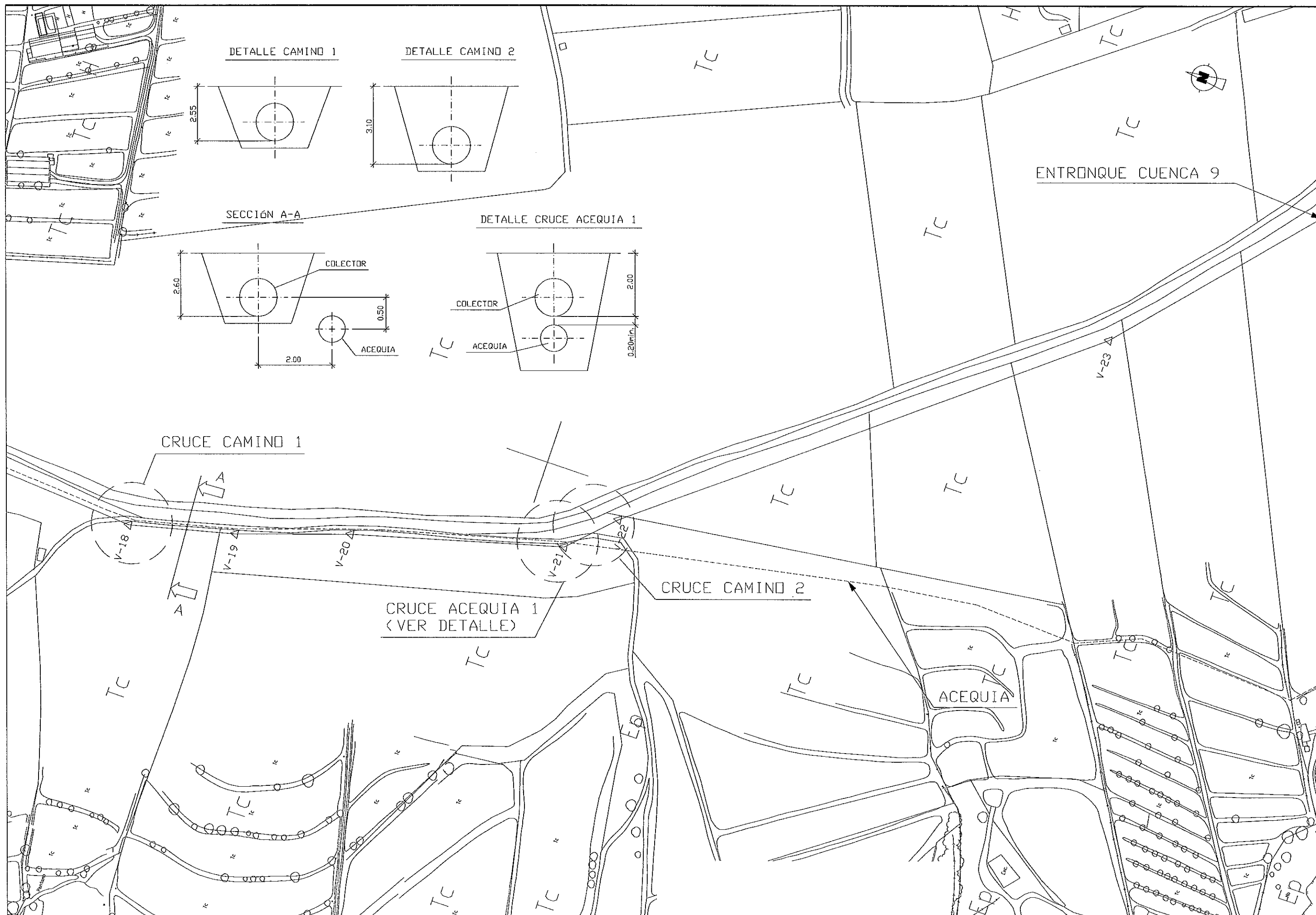


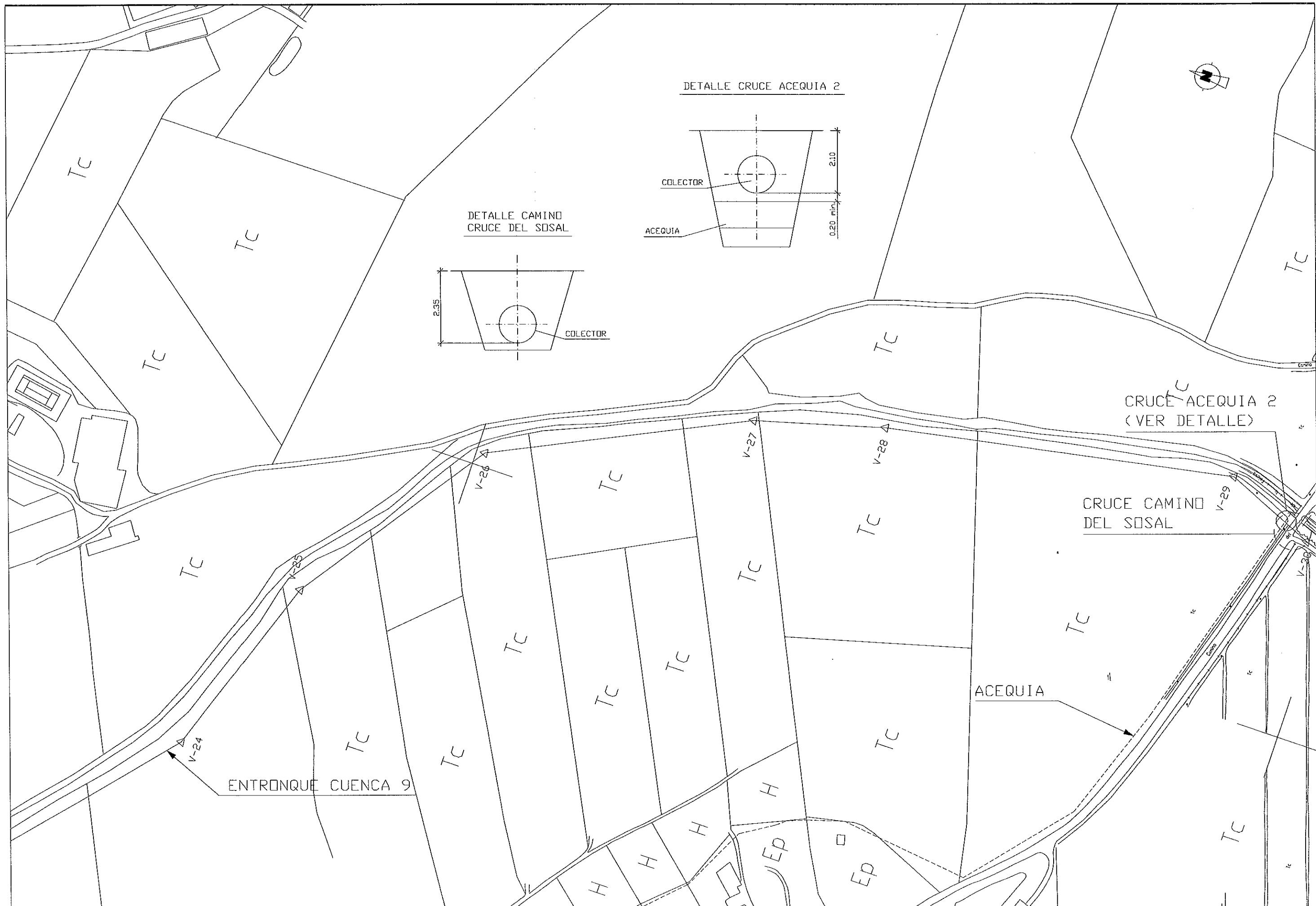
SECCIÓN B-B'

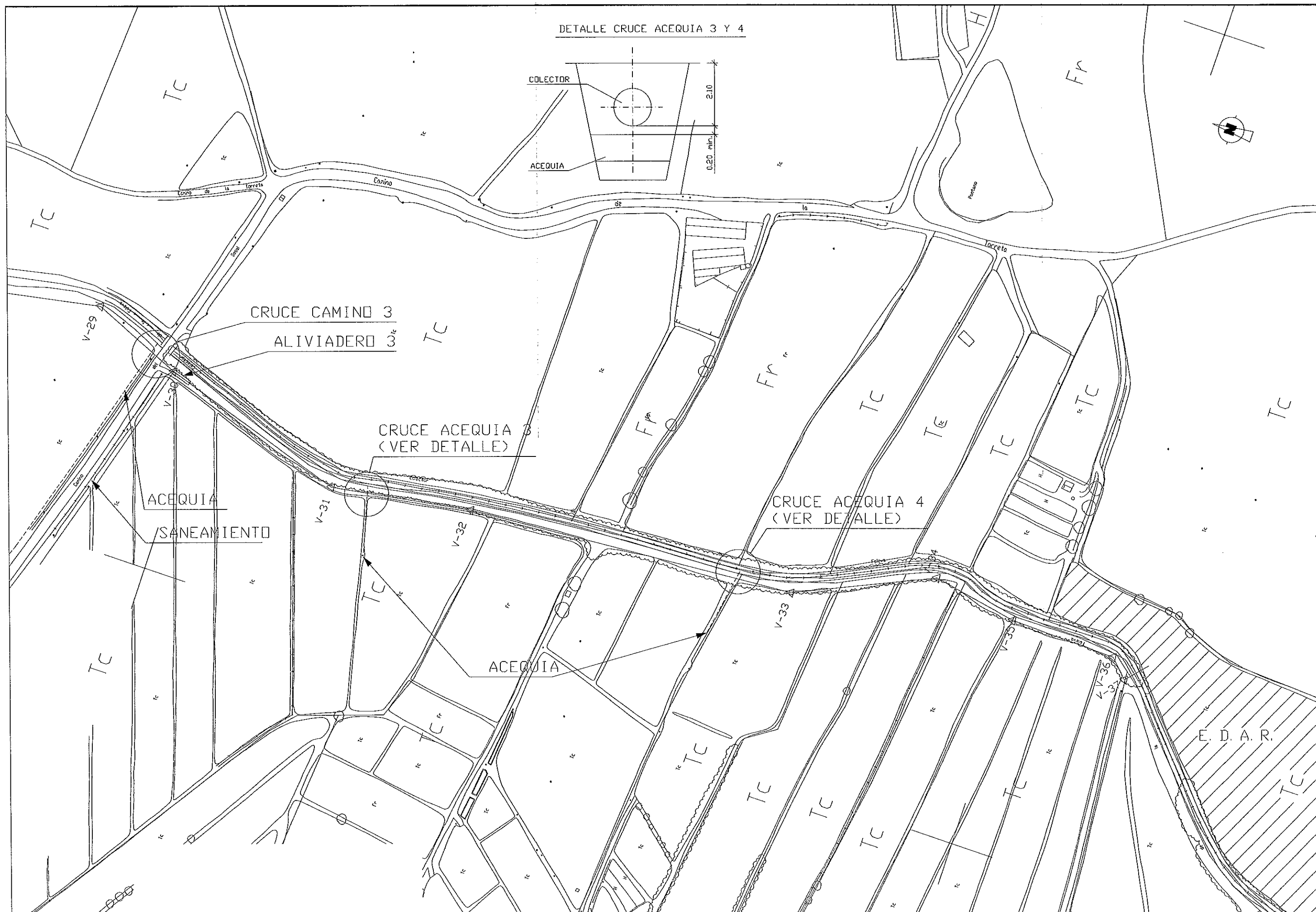


LEYENDA

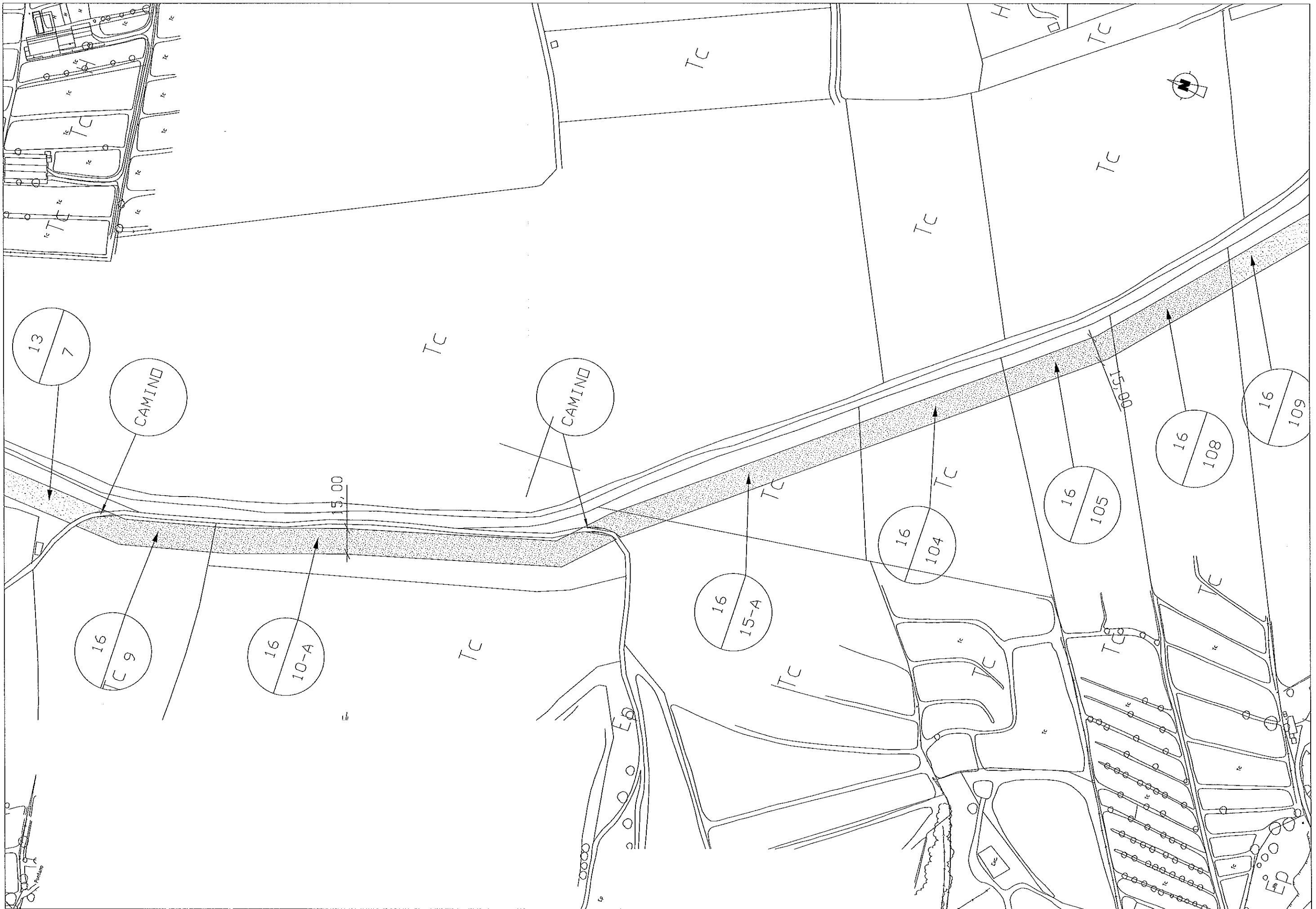
- LÍNEA TELEFÓNICA
- AGUA POTABLE
- COLECTOR SANEAMIENTO
- LÍNEA ELÉCTRICA
-  DEMOLICIÓN DE PAVIMENTO
-  DEMOLICIÓN DE MUELLES DE CARGA



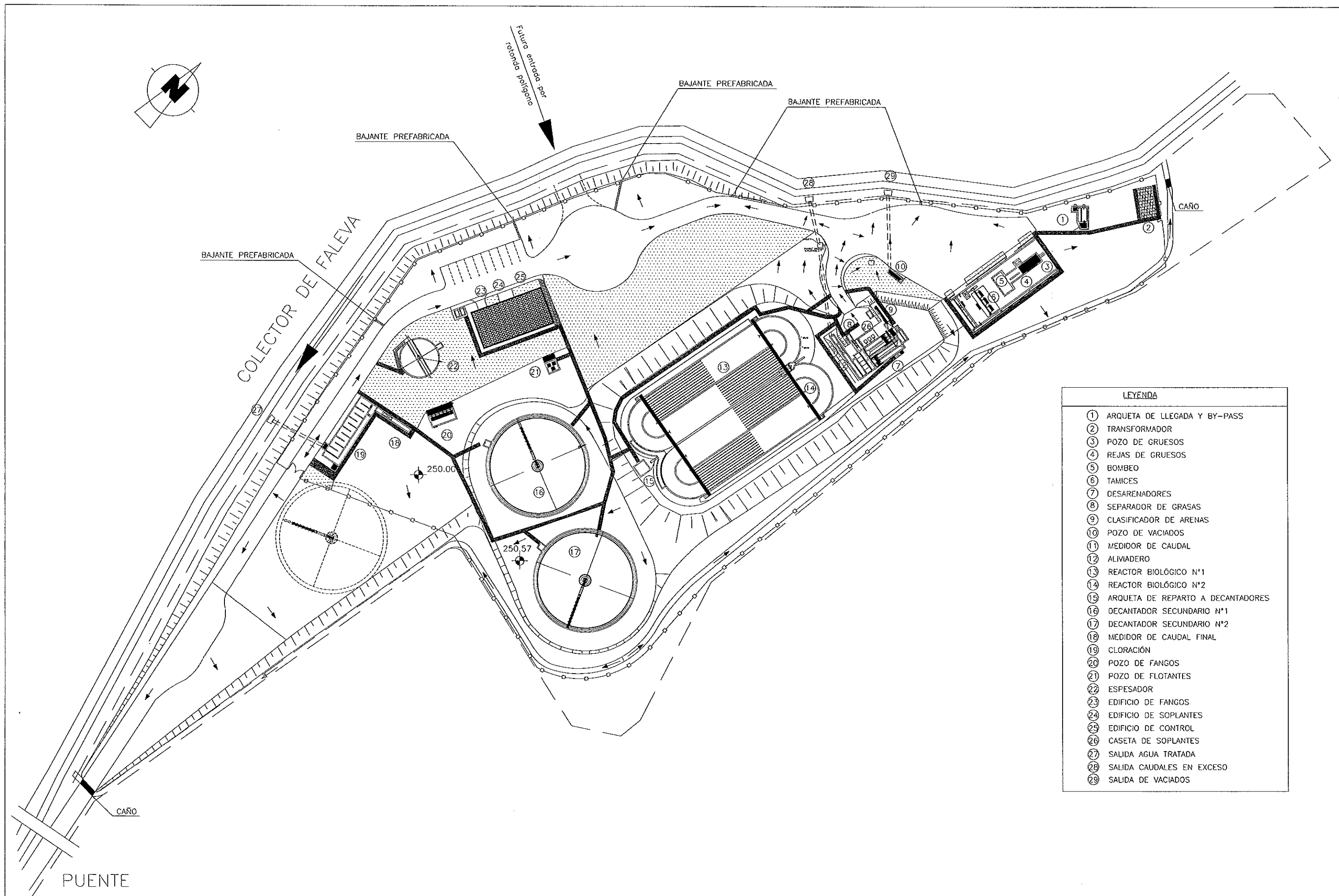






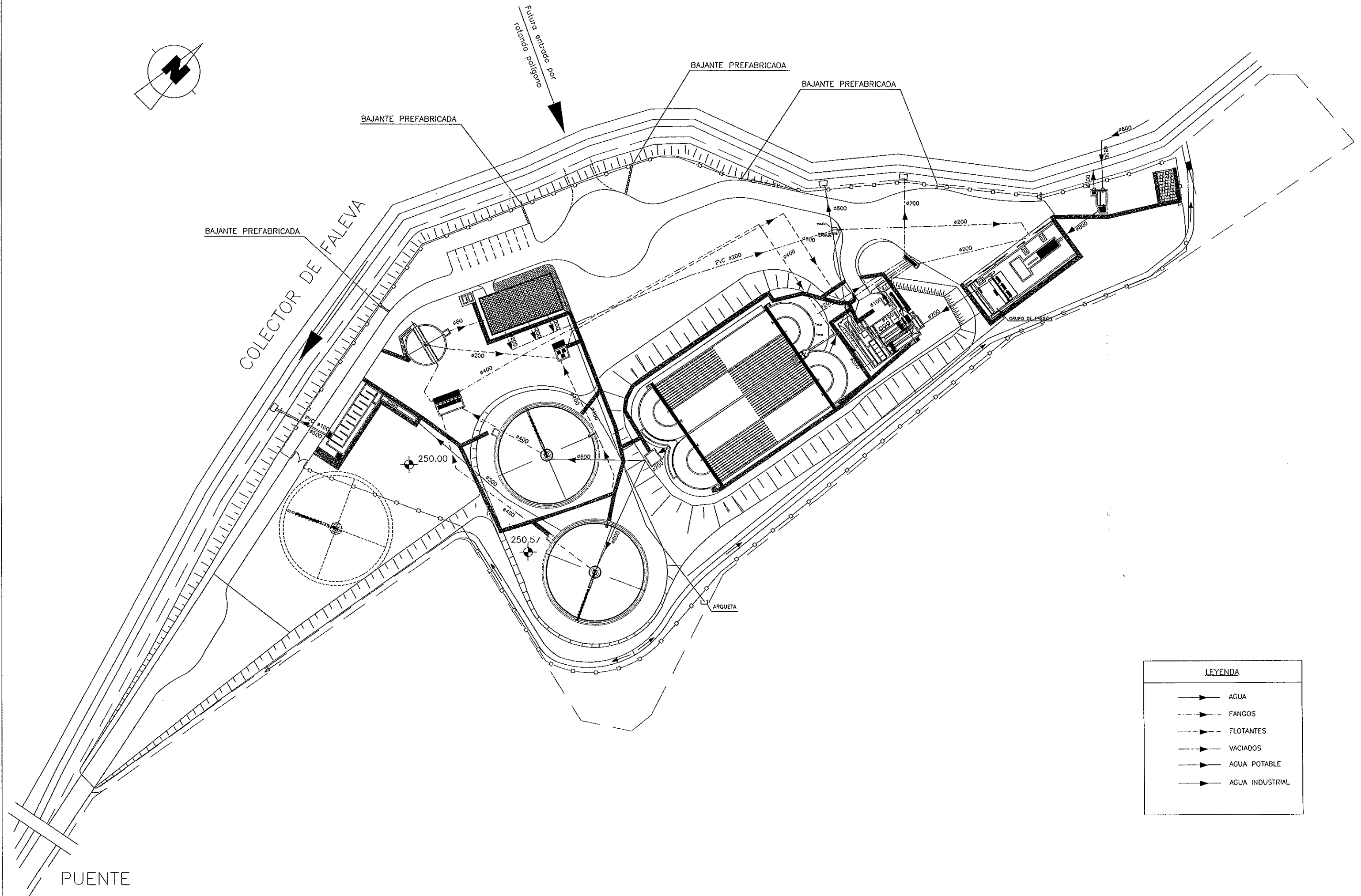
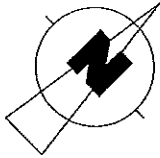






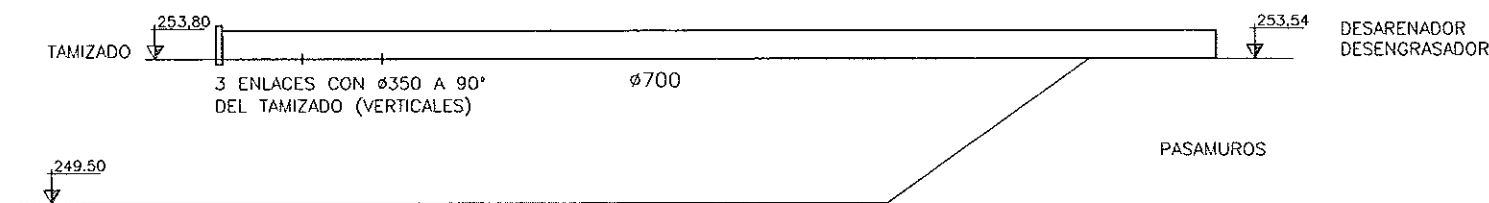
LEYENDA

- 1 ARQUETA DE LLEGADA Y BY-PASS
- 2 TRANSFORMADOR
- 3 POZO DE GRUESOS
- 4 REJAS DE GRUESOS
- 5 BOMBEO
- 6 TAMICES
- 7 DESARENADORES
- 8 SEPARADOR DE GRASAS
- 9 CLASIFICADOR DE ARENAS
- 10 POZO DE VACIADOS
- 11 MEDIDOR DE CAUDAL
- 12 ALIVADERO
- 13 REACTOR BIOLÓGICO N°1
- 14 REACTOR BIOLÓGICO N°2
- 15 ARQUETA DE REPARTO A DECANTADORES
- 16 DECANTADOR SECUNDARIO N°1
- 17 DECANTADOR SECUNDARIO N°2
- 18 MEDIDOR DE CAUDAL FINAL
- 19 CLORACIÓN
- 20 POZO DE FANGOS
- 21 POZO DE FLOTANTES
- 22 ESPESADOR
- 23 EDIFICIO DE FANGOS
- 24 EDIFICIO DE SOPLANTES
- 25 EDIFICIO DE CONTROL
- 26 CASETA DE SOPLANTES
- 27 SALIDA AGUA TRATADA
- 28 SALIDA CAUDALES EN EXCESO
- 29 SALIDA DE VACIADOS



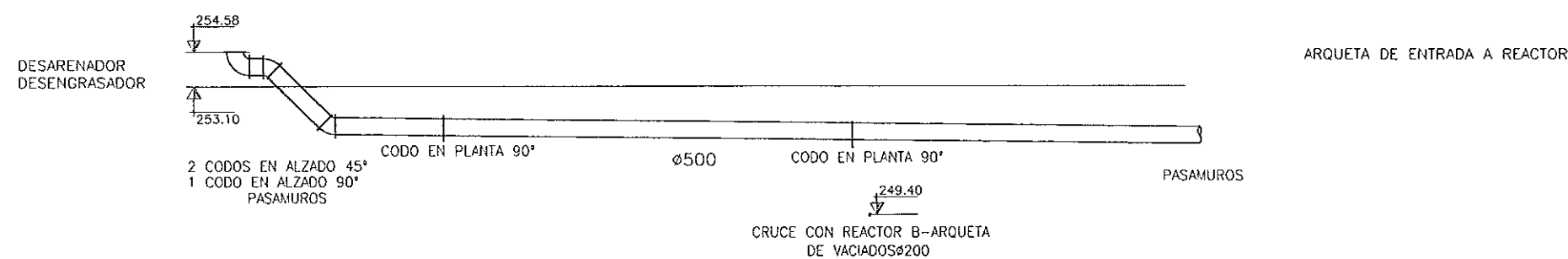
LEYENDA	
	AGUA
	FANGOS
	FLOTANTES
	VACIADOS
	AGUA POTABLE
	AGUA INDUSTRIAL

TAMIZADO – DESARENADOR–DESENGRASADOR



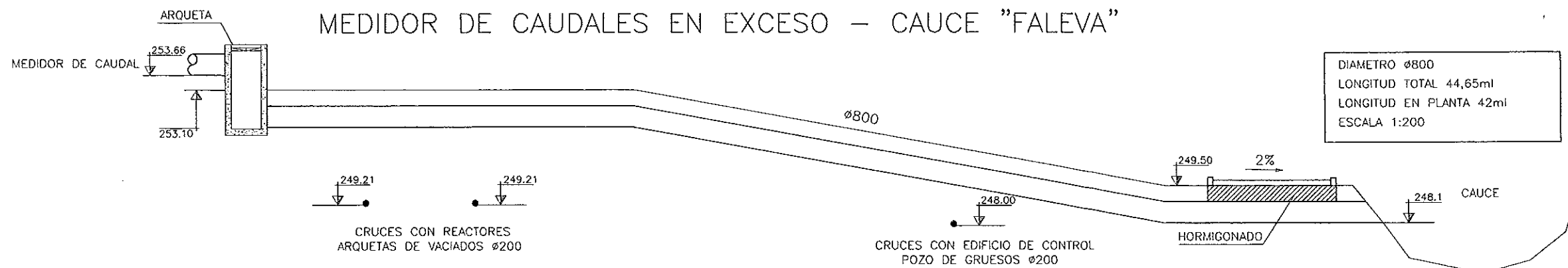
DIAMETRO $\phi 700$
LONGITUD TOTAL 24,85ml
LONGITUD EN PLANTA 24,85ml
ESCALA 1:200

DESARENADOR–DESENGRASADOR – REACTOR BIOLOGICO



DIAMETRO $\phi 500$
LONGITUD TOTAL 29ml
LONGITUD EN PLANTA 29ml
ESCALA 1:200

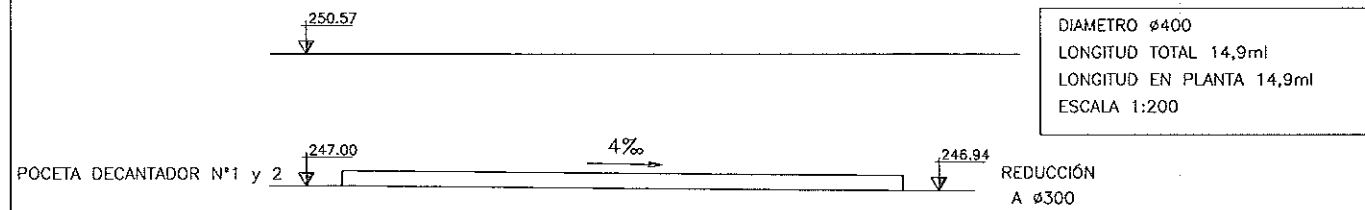
MEDIDOR DE CAUDALES EN EXCESO – CAUCE "FALEVA"



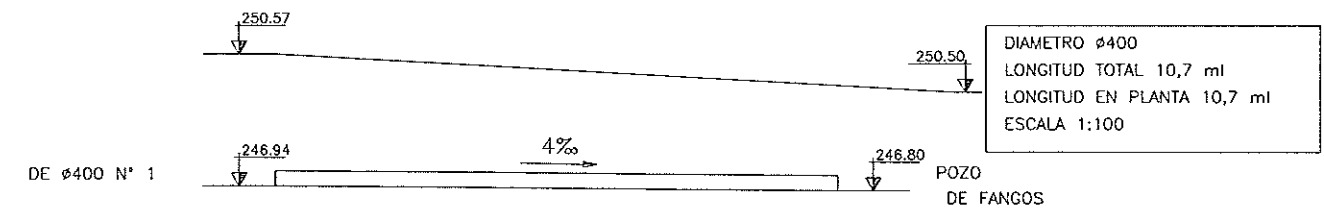
DIAMETRO $\phi 800$
LONGITUD TOTAL 44,65ml
LONGITUD EN PLANTA 42ml
ESCALA 1:200

LÍNEA DE FANGOS

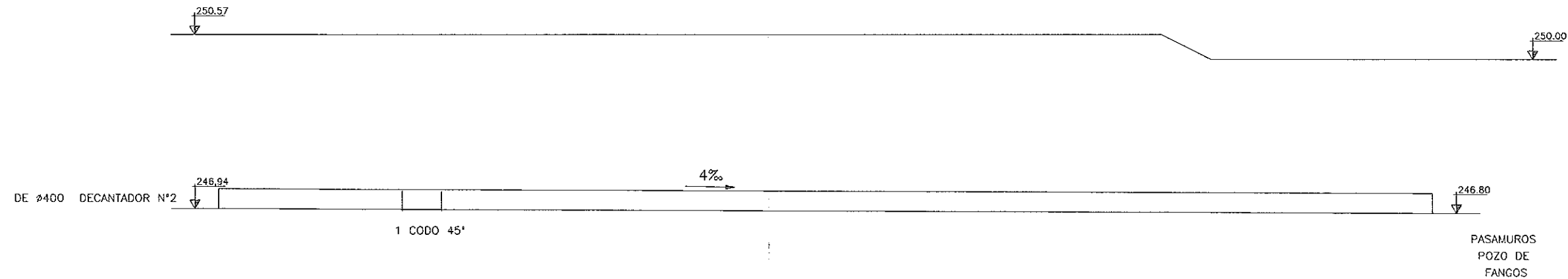
DECANTADOR N°1 y 2 – POZO DE FANGOS



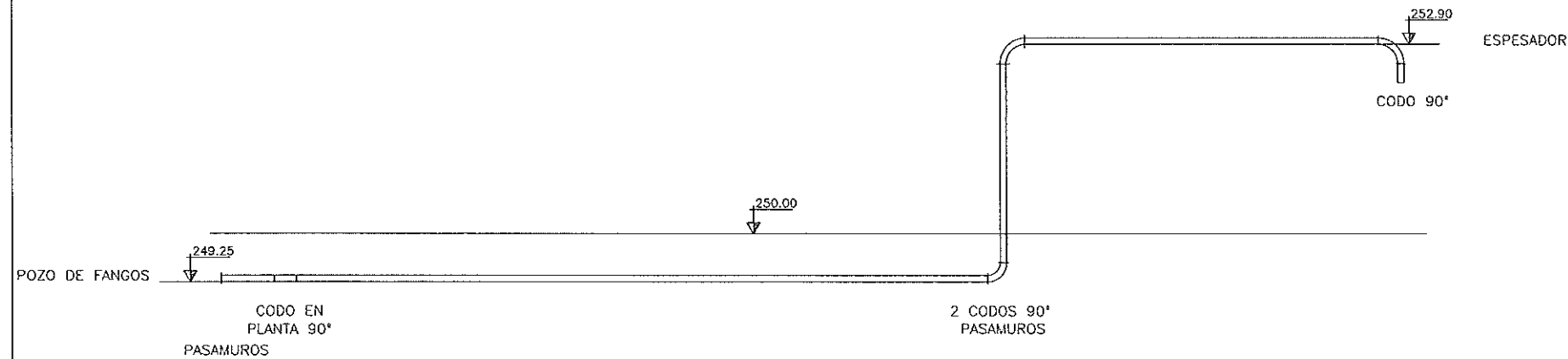
DECANTADOR N°1 – POZO DE FANGOS



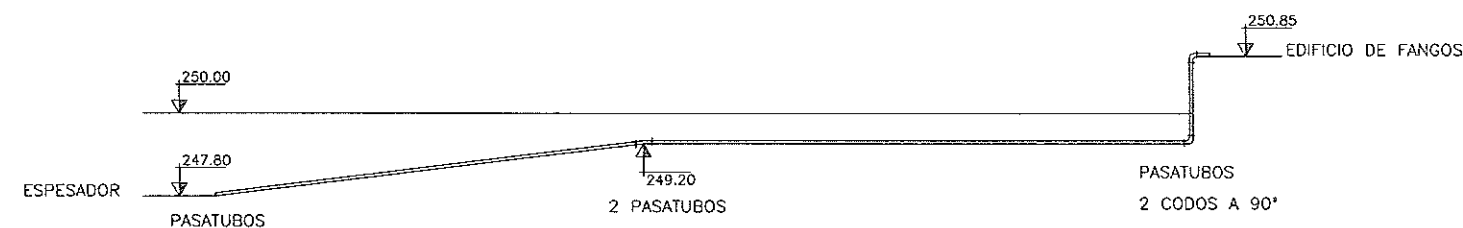
DECANTADOR N°2 – POZO DE FANGOS



POZO DE FANGOS – ESPESADOR



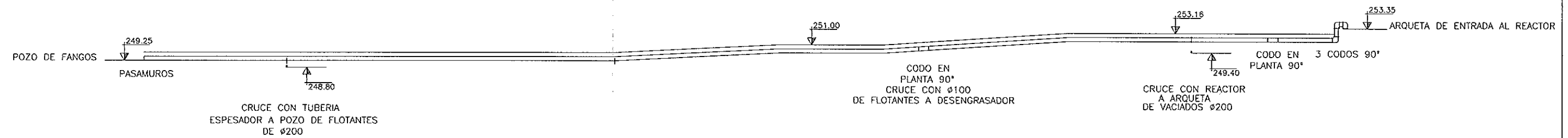
ESPESADOR – EDIFICIO DE FANGOS



LÍNEA DE FANGOS

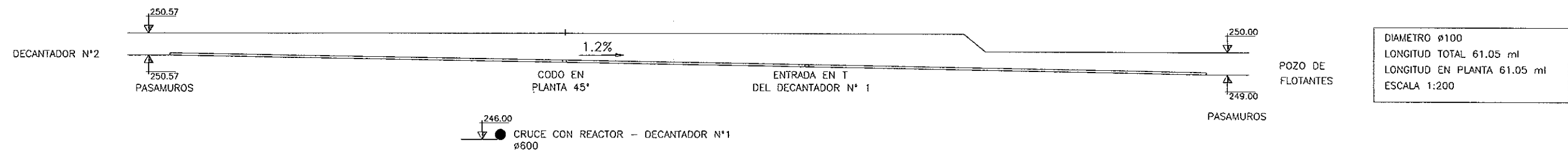
POZO DE FANGOS – REACTOR BIOLÓGICO (RECIRCULACIÓN)

DIAMETRO $\phi 400$
LONGITUD TOTAL 145 ml
LONGITUD EN PLANTA 145 ml
ESCALA 1:500

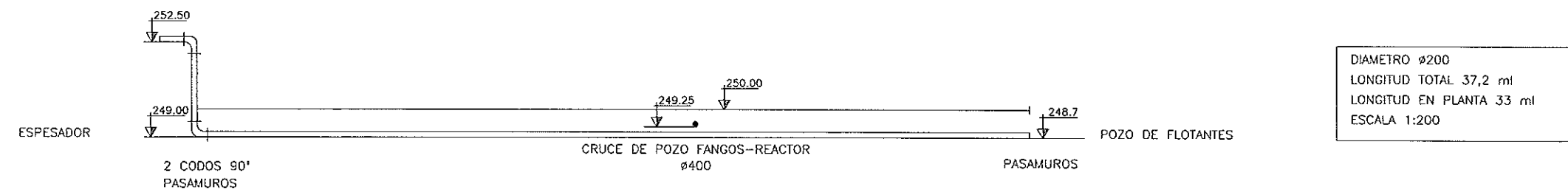


LÍNEA DE FLOTANTES

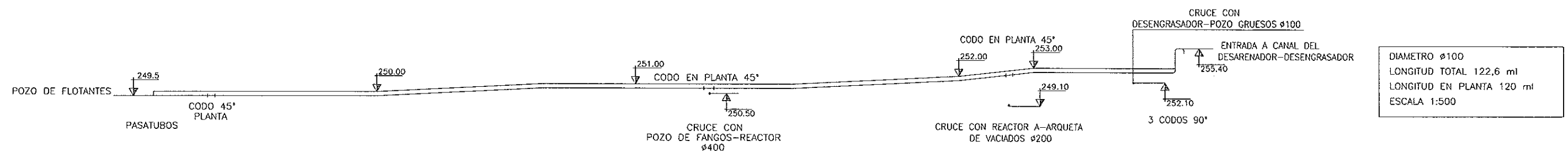
DECANTADOR N°2 – POZO DE FLOTANTES



ESPESADOR – POZO DE FLOTANTES

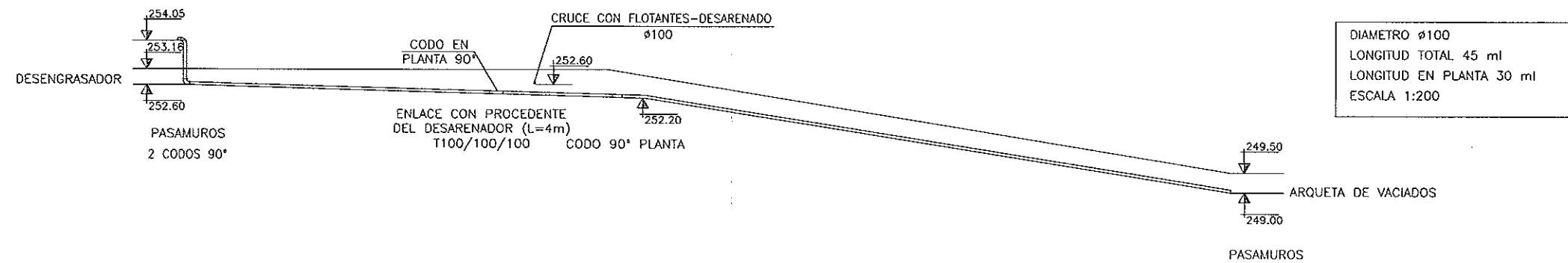


POZO DE FLOTANTES – DESARENADOR-DESENGRASADOR

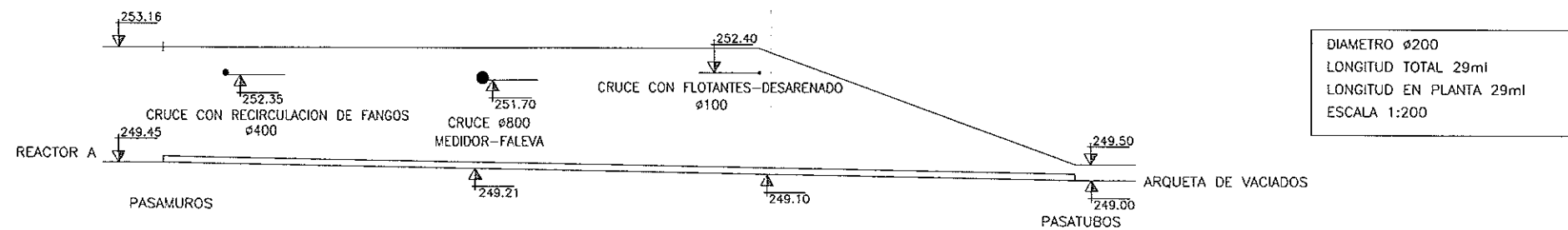


LÍNEA DE VACIADOS

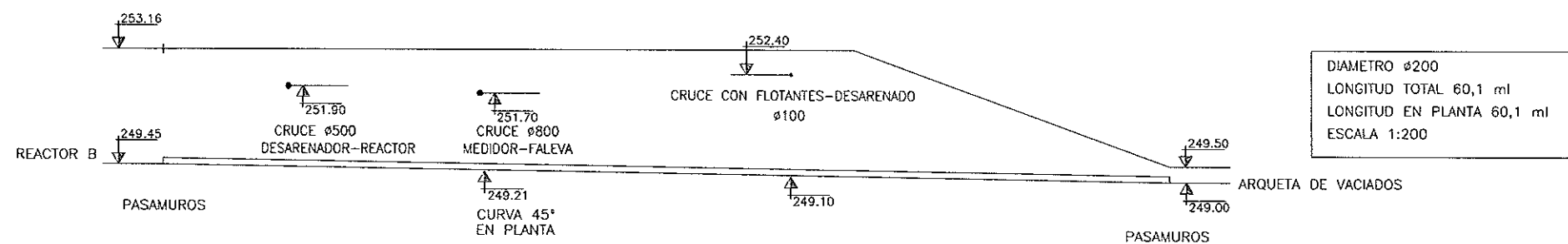
DESENGRASADOR – ARQUETA DE VACIADOS



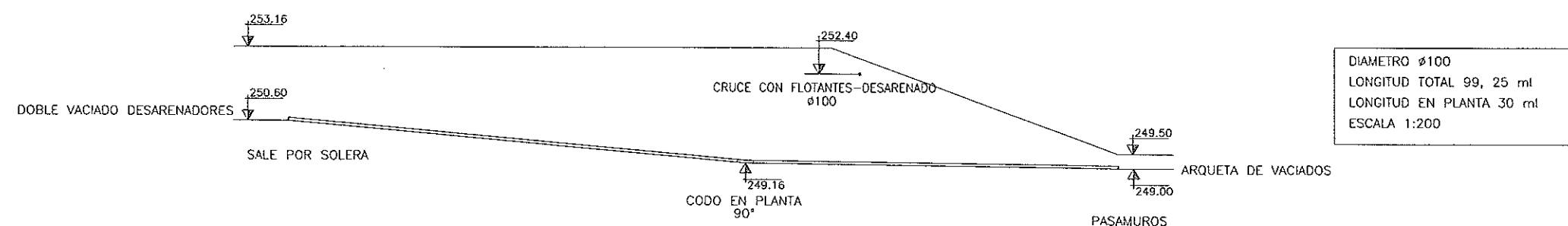
REACTOR 1 – ARQUETA DE VACIADOS



REACTOR 2 – ARQUETA DE VACIADOS

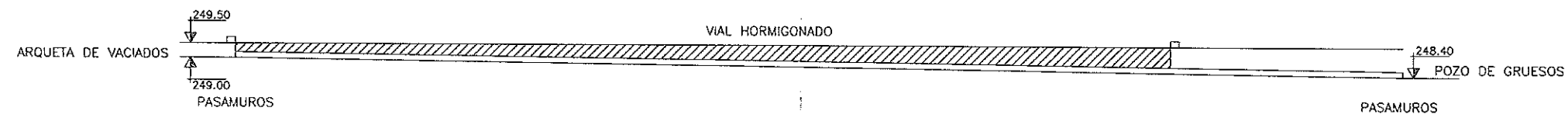


DOBLE VACIADO DESARENADORES – ARQUETA DE VACIADOS

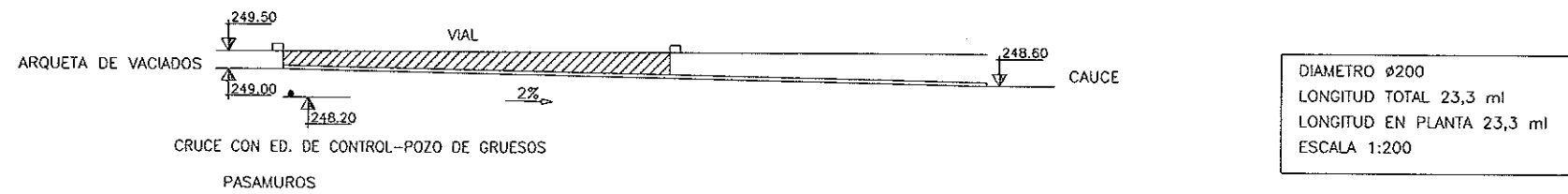


LÍNEA DE VACIADOS

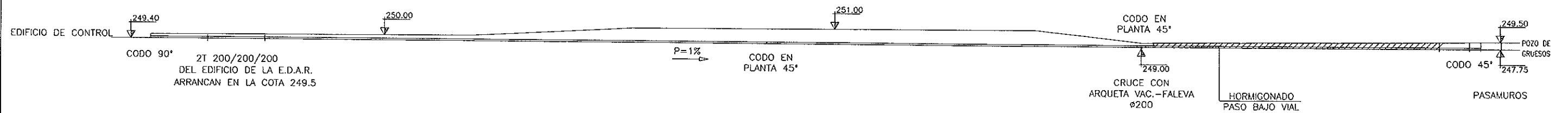
ARQUETA DE VACIADOS – POZO DE GRUESOS



ARQUETA DE VACIADOS – CAUCE "FALEVA"



EDIFICIO DE CONTROL – POZO DE GRUESOS



CLAVE:
23-Q-06

LIQUIDACIÓN DEL MODIFICADO Nº1

TÍTULO DEL PROYECTO:

**ESTACIÓN DEPURADORA DE AGUAS RESIDUALES DE
BINÉFAR (HUESCA)**

TOMO III

**DOCUMENTO Nº 2 – JUSTIFICANTES
PLANOS**

MAYO DE 2.002

EL INGENIERO AUTOR DEL PROYECTO

DAVID MONTERO MONTERO

U.T.E.



acuaestudios, s. a.
TRATAMIENTO DE AGUAS

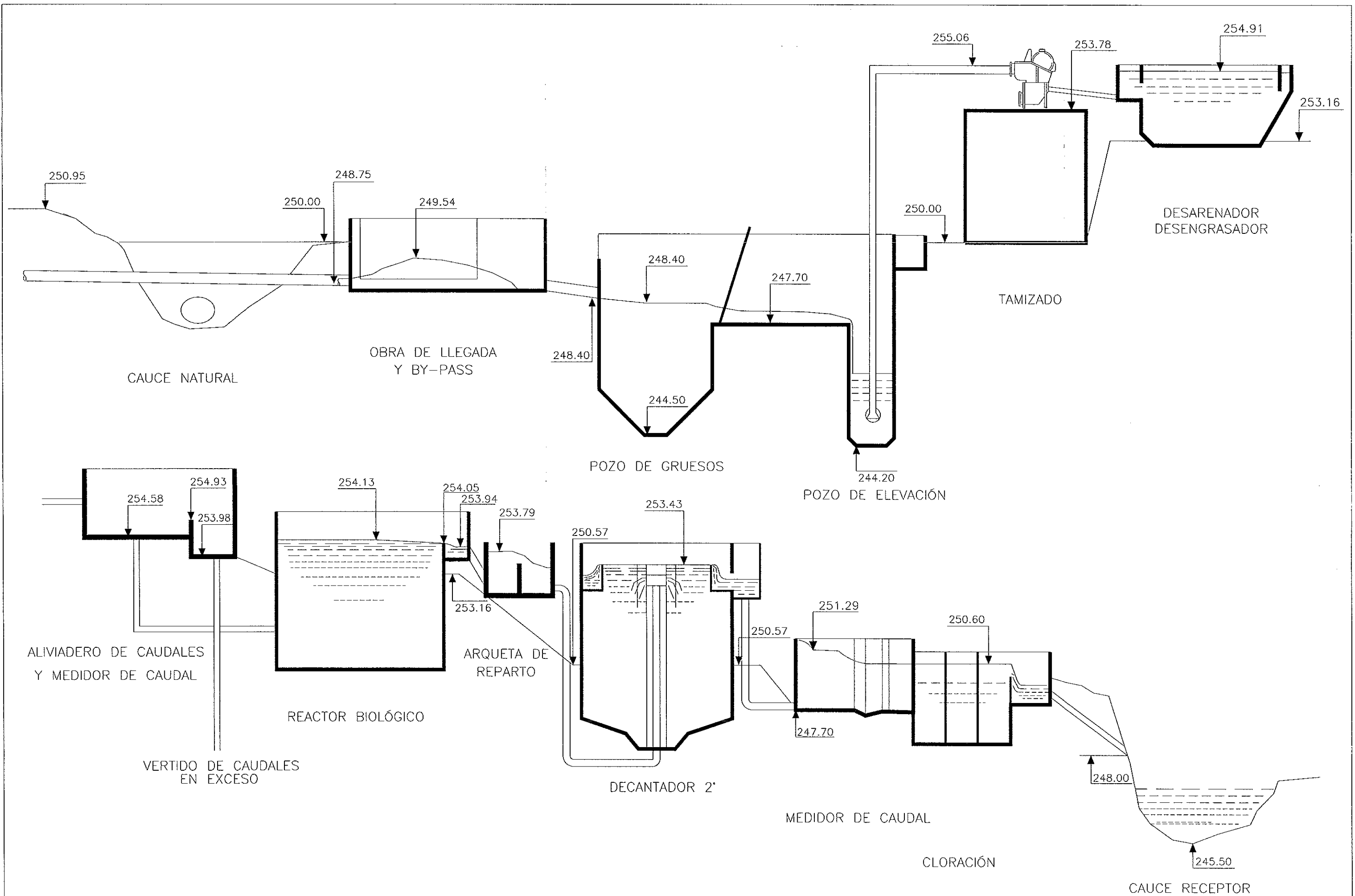


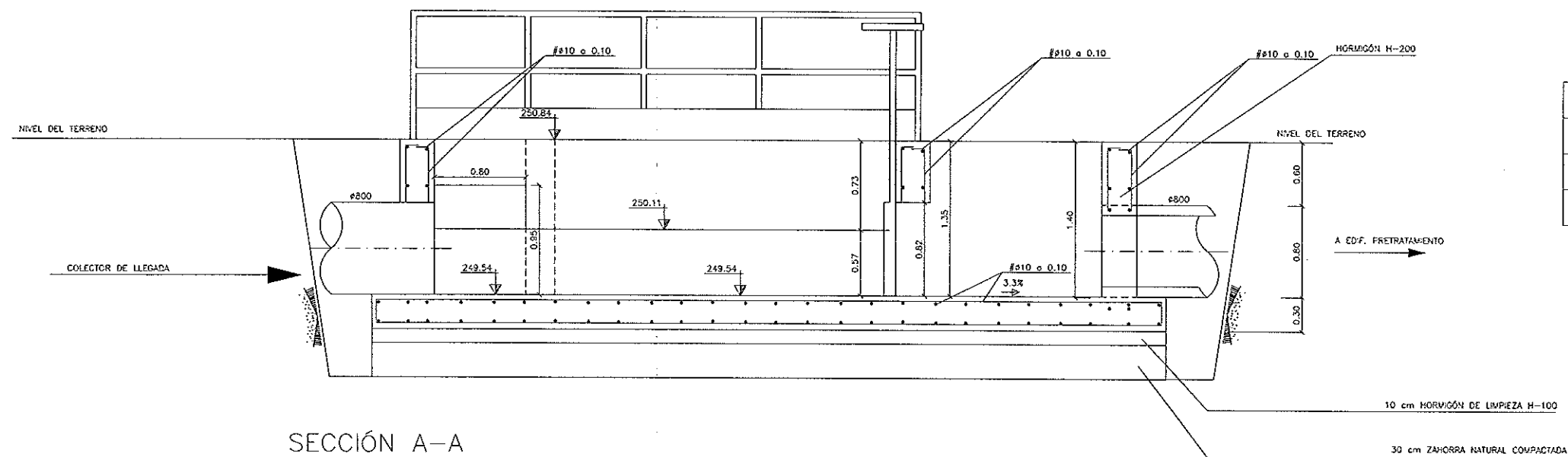
VIACRON, S.A.
EMPRESA CONSTRUCTORA

2.1.- PLANOS

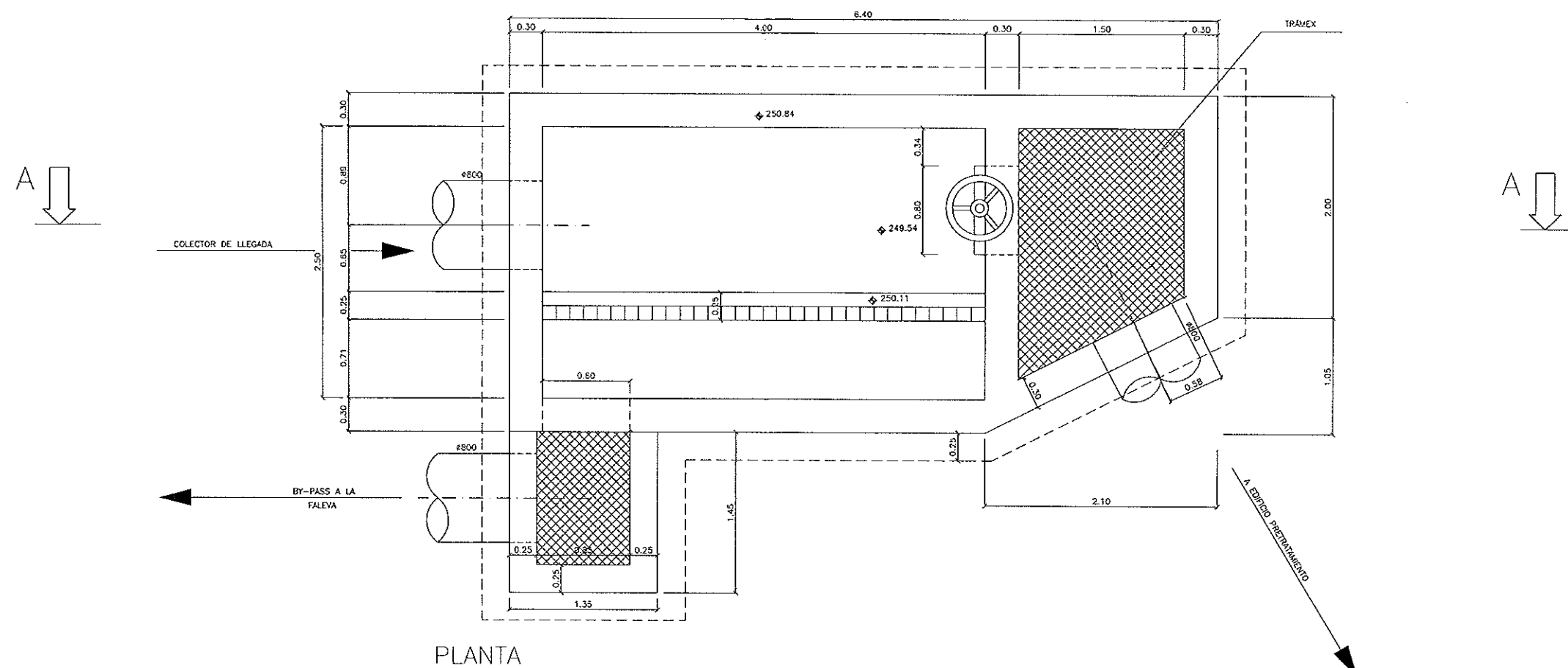
INDÍCE DE PLANOS EDAR BINEFAR (HUESCA)

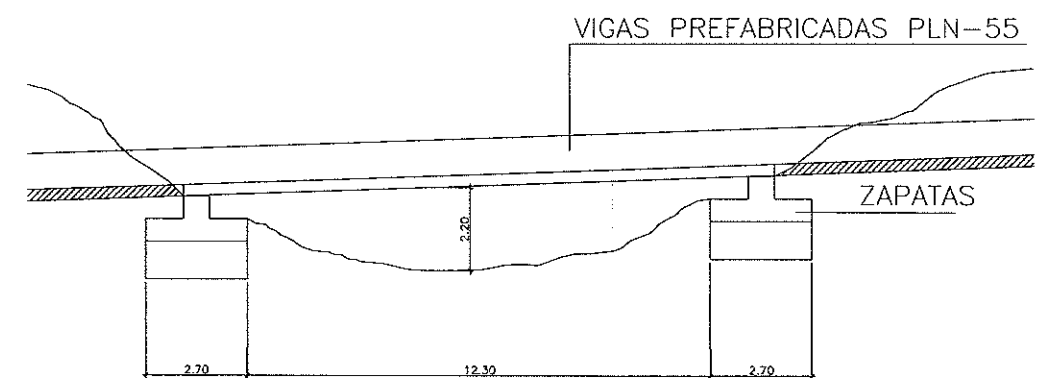
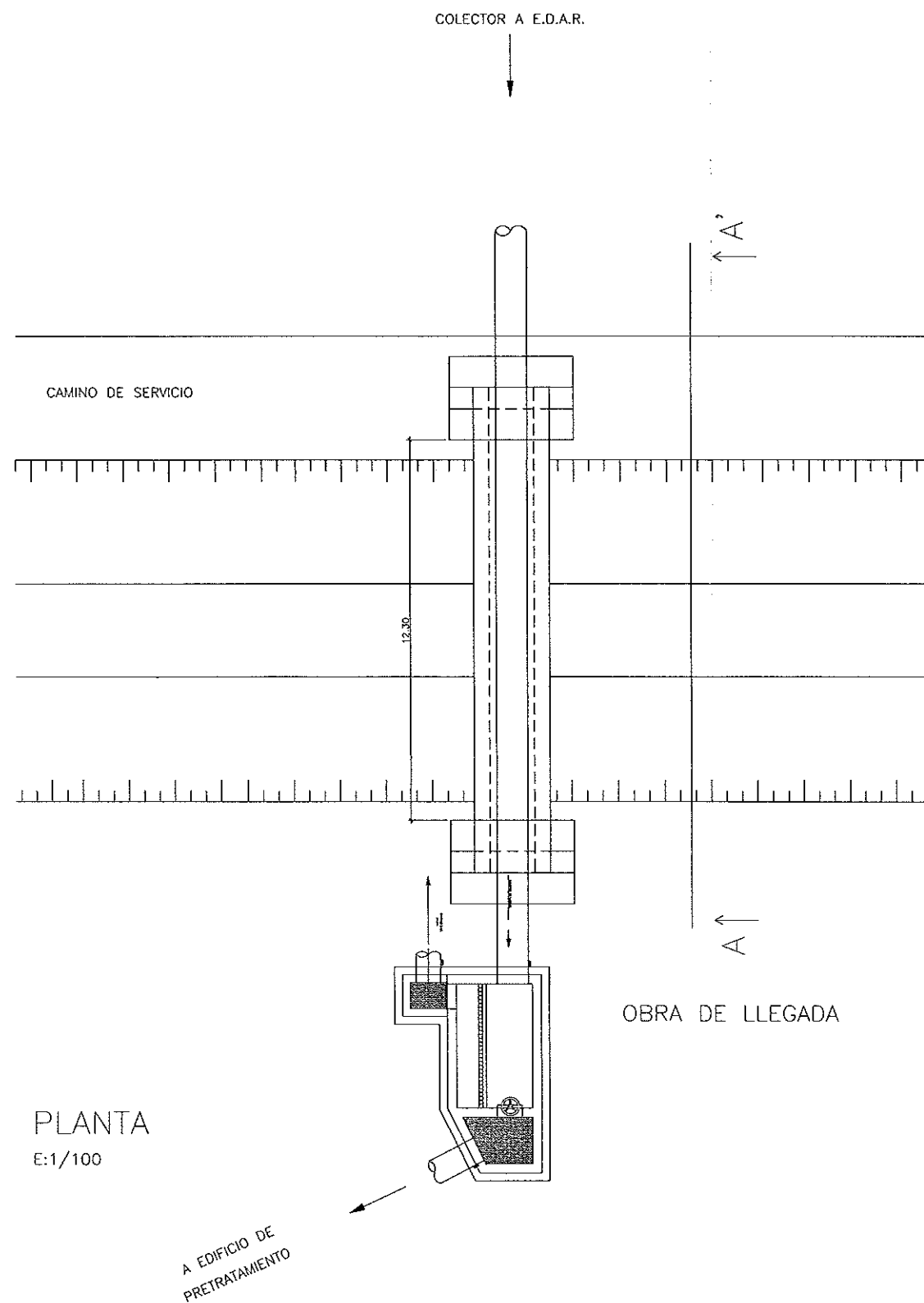
PLANO	DESIGNACIÓN	HOJAS
1	SITUACION	1 plano
2	PLANTA GENERAL	1 plano
3-1	TOPOGRAFÍA; CRUCE CARRETERA A-140	1 plano
3-2	TOPOGRAFÍA; PARCELA E.D.A.R.	1 plano
3-3	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANS. PRECARGA	1 plano
3-4	TOPOGRAFÍA MODIFICADA: PERFILES TANSVERSALES PRECARGA	1 plano
3-5	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANSVERSALES II	1 plano
3-6	TOPOGRAFÍA MODIFICADA: PERFILES TRANSVERSALES II	1 plano
4-1	COLECTOR A E.D.A.R.: TRAZADO EN PLANTA	4 planos
4-2	COLECTOR A E.D.A.R.: PERFIL LONGITUDINAL	5 planos
4-3	COLECTOR A E.D.A.R.: SECCIONES TIPO	1 plano
4-4	COLECTOR A E.D.A.R.: ALIVIADERO 2: SECCIONES	1 plano
4-5	COLECTOR A E.D.A.R.: ALIVIADERO 3: SECCIONES	1 plano
4-6	COLECTOR A E.D.A.R.: SERVICIOS AFECTADOS	4 planos
4-7	COLECTOR A E.D.A.R.: AFECCIONES	5 planos
5	IMPLANTACIÓN GENERAL	1 plano
6	CONDUCCIONES INTERIORES: PLANTA	1 plano
6-2	CONDUCCIONES INTERIORES: LONGITUDINALES	6 planos
7	LÍNEA PIEZOMÉTRICA	1 plano
8-1	OBRA DE LLEGADA: ALIVIADERO Y BY-PASS	1 plano
8-2	OBRA DE LLEGADA: CRUCE COLECTOR DE LA FALVA	2 planos
9	POZO DE GRUESOS Y ELEVACIÓN	2 planos
10	EDIFICIO DE PRETRATAMIENTO	5 planos
11	TAMIZADO	2 planos
12	DESARENADO Y DESENGRASE	5 planos
13	ALIVIADERO Y MEDICIÓN DE CAUDAL	1 plano
14	REACTOR BIOLÓGICO	4 planos
15	ARQUETA DE REPARTO A DECANTACIÓN SECUNDARIA	1 plano
16	DECANTADORES SECUNDARIOS Nº 1 Y Nº 2	4 planos
17	MEDIDOR DE CAUDAL	1 plano
18	LABERINTO DE CLORACIÓN	1 plano
19	ESPESADOR	2 planos
20	POZO DE FANGOS	1 plano
21	POZO DE FLOTANTES	1 plano
22	POZO DE VACIADOS	1 plano
23	EDIFICIOS DE CONTROL, FANGOS Y SOPLANTES	12 planos
24	URBANIZACIÓN	5 planos
25-1	ELECTRICIDAD: CENTRO DE TRANSFORMACIÓN	1 plano
25-2	ELECTRICIDAD B.T.: CUADROS GENERALES DE DISTRIBUCIÓN	varias
25-3	ELECTRICIDAD: CUADROS Y ACOMETIDAS	1 plano
25-4	ELECTRICIDAD: EDIFICIO DE PRETRATAMIENTO ILUM. INTERIOR	1 plano
25-5	ELECTRICIDAD: EDIFICIO DE CONTROL, FANGOS Y SOPLANTES	1 plano
25-6	ELECTRICIDAD: ESQUEMAS ARMARIOS AUTOMATISMOS	varias
26	ESQUEMA DE FUNCIONAMIENTO	6 planos





CONTROL DE CALIDAD			
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60





ALZADO A-A'
E:1/100

DETALLE 01
SECCIÓN

Ø80 (INTERIOR)

HORMIGÓN ARMADO

60

30

145

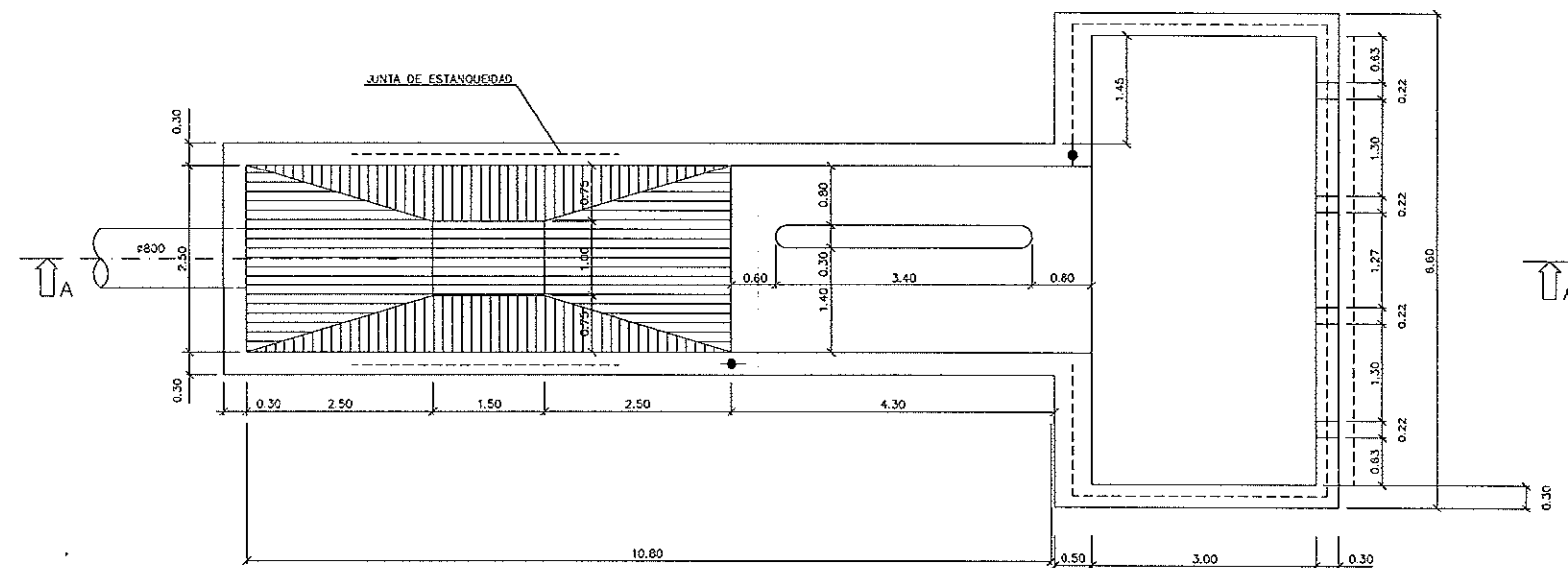
PLN-55

[illegible]

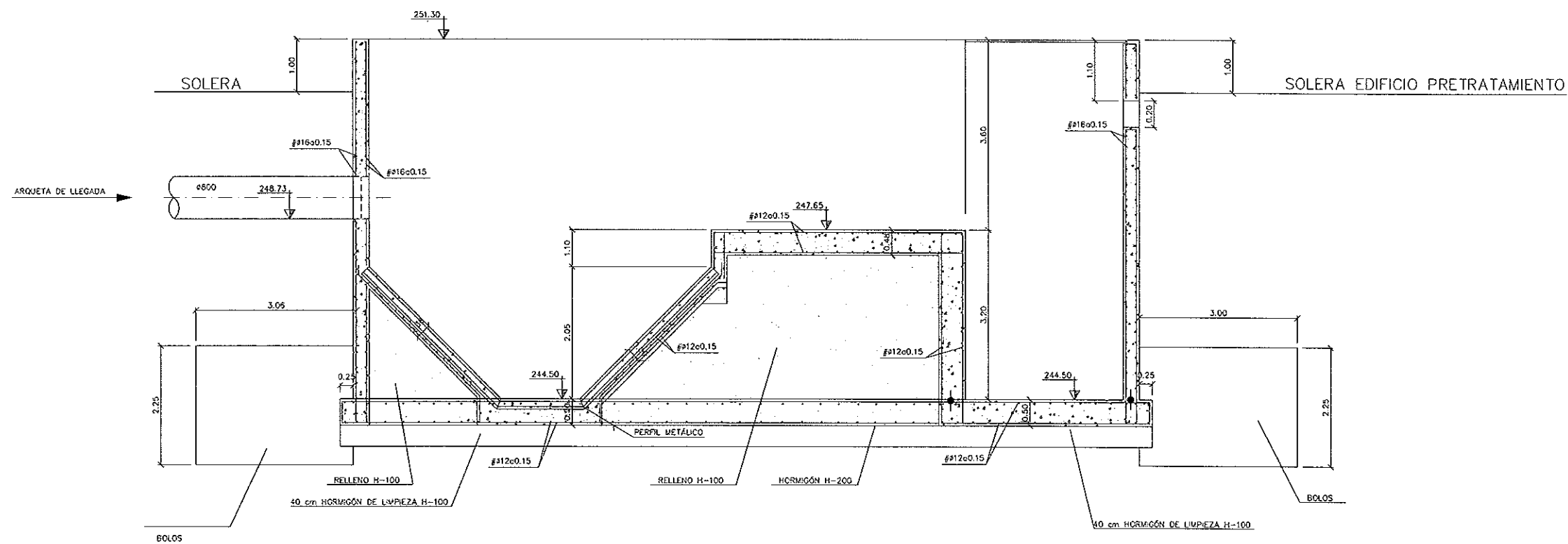
CUADRO DE CARACTERISTICAS SEGUN LA NORMA EHE												
	TPO	CANTIDAD DE PACOTES 10 N/m ²	PROCESO N/m ²	CUBR. POR PAQ. DES (m ²)	ANCHO	RES. DE CONTROL	RESISTENCIA DE TRABAJO				RESIST. MIN. N/mm ²	
							f _c	f _t	f _{ctd}	f _{td}		
HORMIGONES	CONCRECCIONES	18-25/18/24	25	ALUGA	42	B	1.5				42	
	MORTEROS	18-25/18/24	25	ALUGA	25							36
	ZAPATAS	18-25/18/24	25	ALUGA	25							36
	VIGAS Y LOSAS	18-25/18/24	25	ALUGA	25							36
	FOLGOS	18-25/18/24	25	ALUGA	25							36
	ARMADURA		EMPL. BUCLOS N/mm ²									
ARMADURAS	ALAM. TODA LA OBRA	B 820 S		308		NORMAL	1.5					
	CONCRECCIONES Y ZOS											
	SOPORTES											
	VIGAS											
	LOSAS Y FOLGOS											
					RES. DE CONTROL							
CONTROLES DE LA CIMENTACION	ALAM. TODA LA OBRA					NORMAL	1.5	1.50				
	CONCRECCIONES Y ZOS											
	SOPORTES											
	VIGAS											
	LOSAS Y FOLGOS											

OBSERVACIONES: ALUM. ESTRUCTURAL A-40
 EL TPO DE ARMADO DEPENDERÁ DE LA EXTENSION O NO DE ARMADO ADYACENTES O EL TERRENO

[illegible]



PLANTA



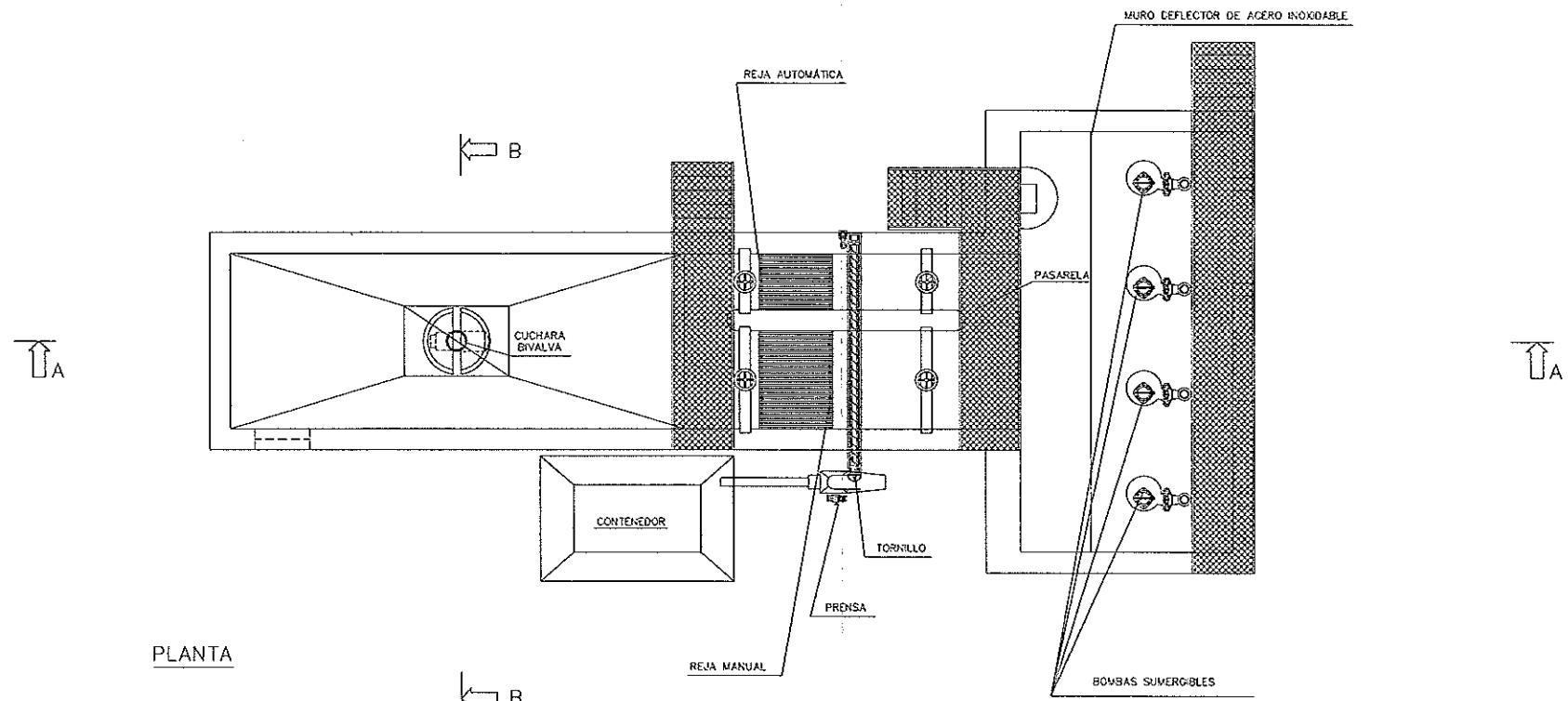
SECCIÓN A - A

LEYENDA

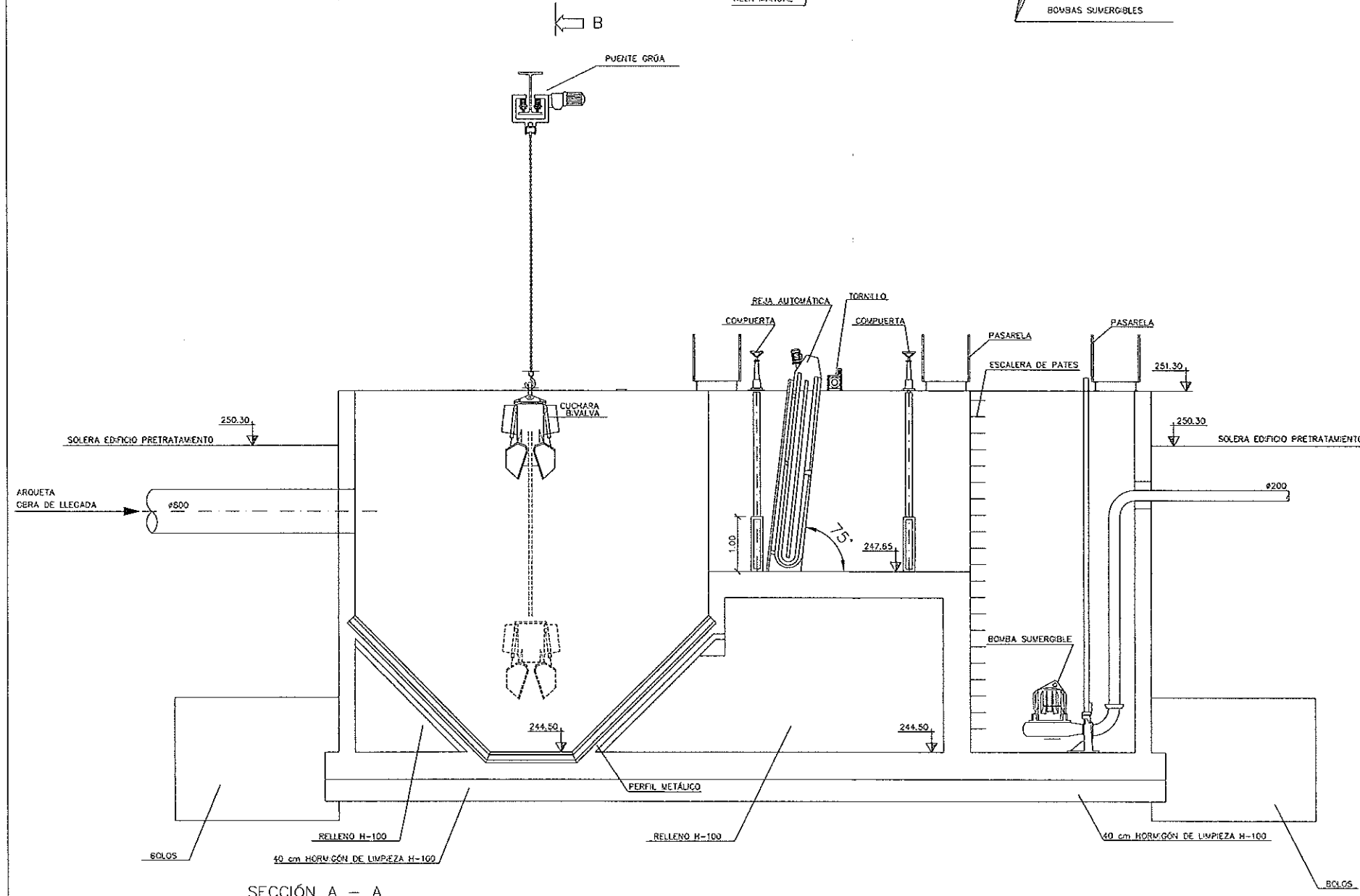
● JUNTA DE ESTANQUEIDAD VERTICAL

CONTROL DE CALIDAD

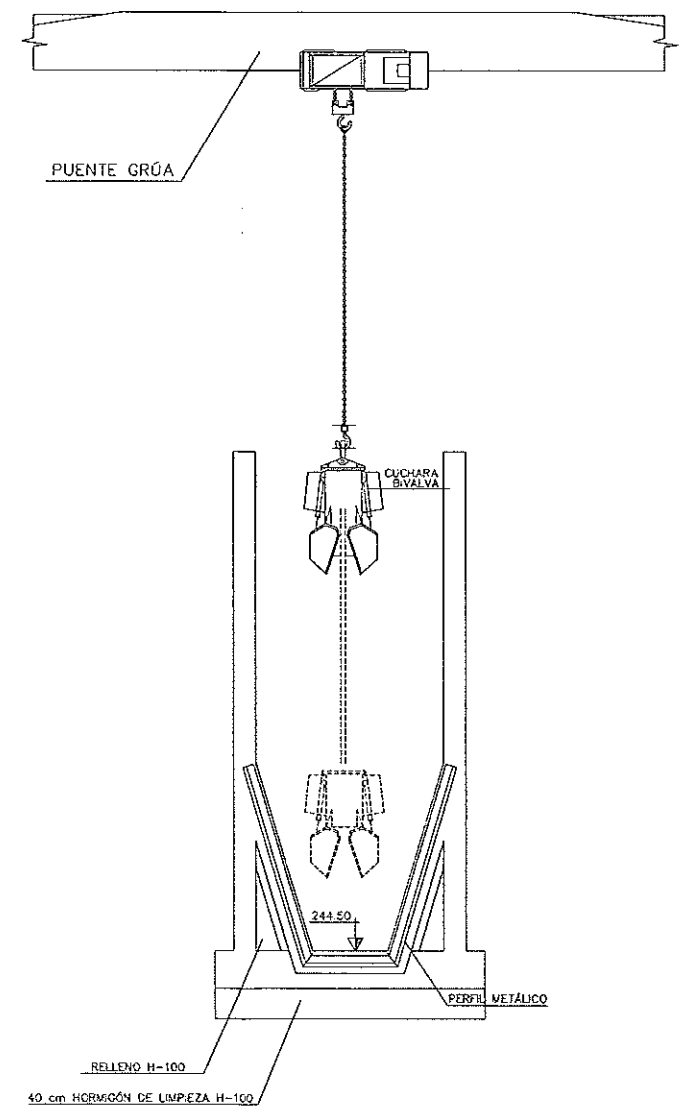
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



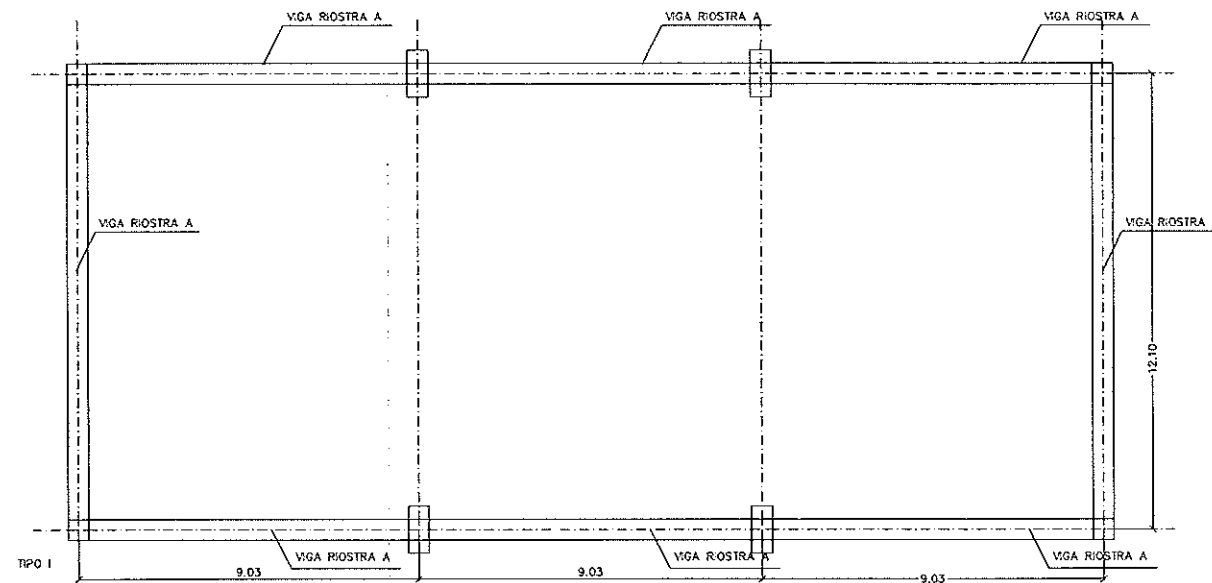
PLANTA



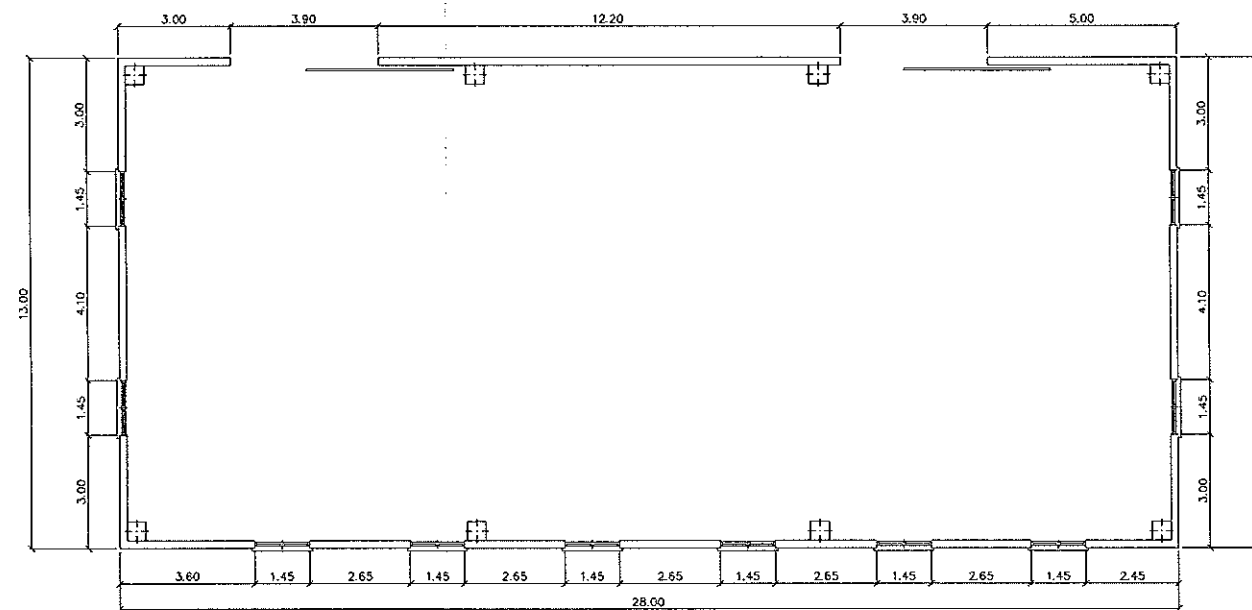
SECCIÓN A - A



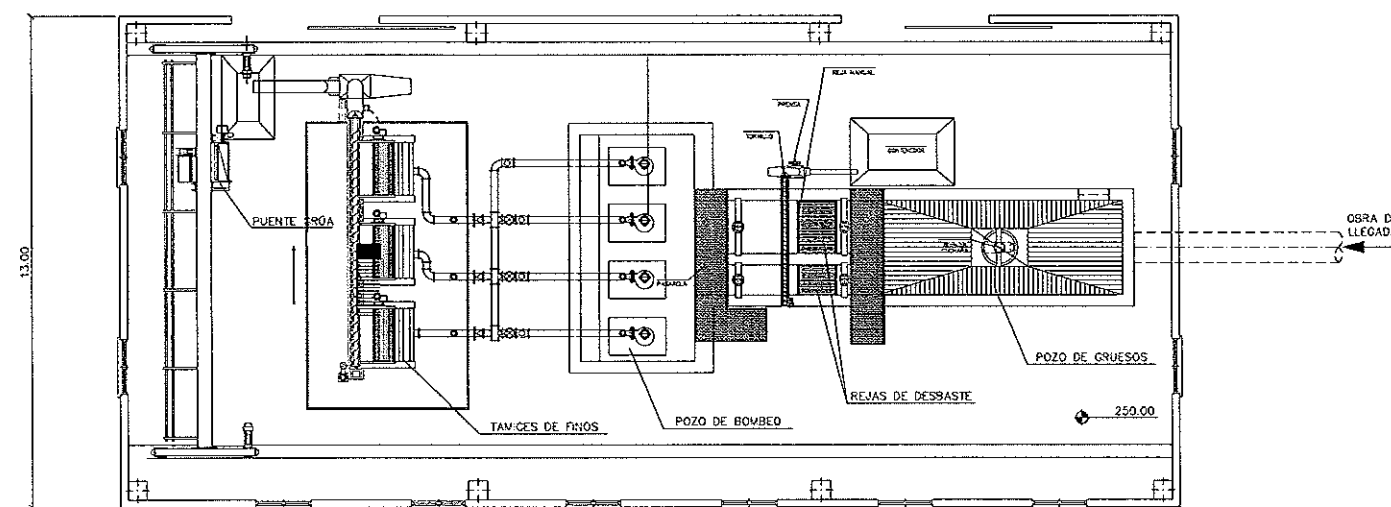
SECCIÓN B - B



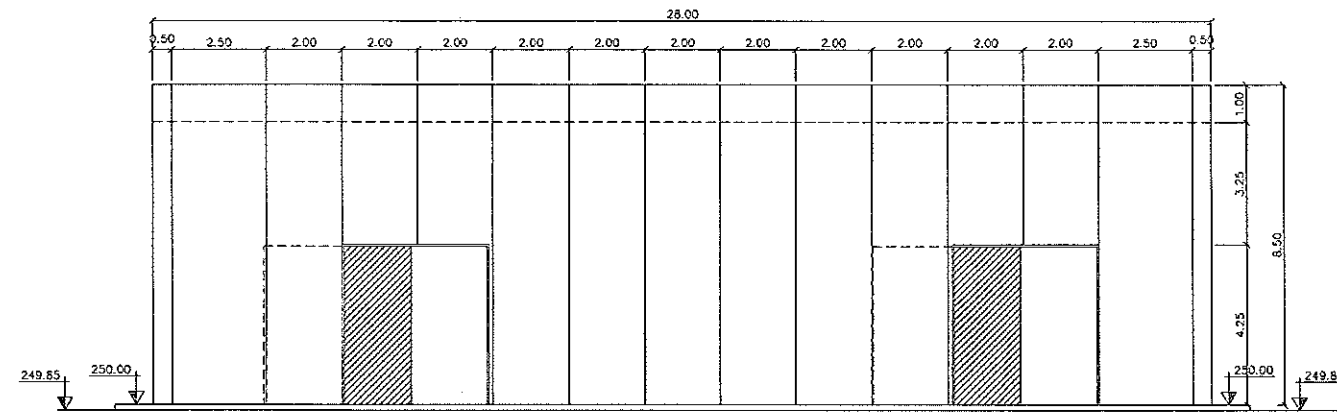
CIMENTACIÓN



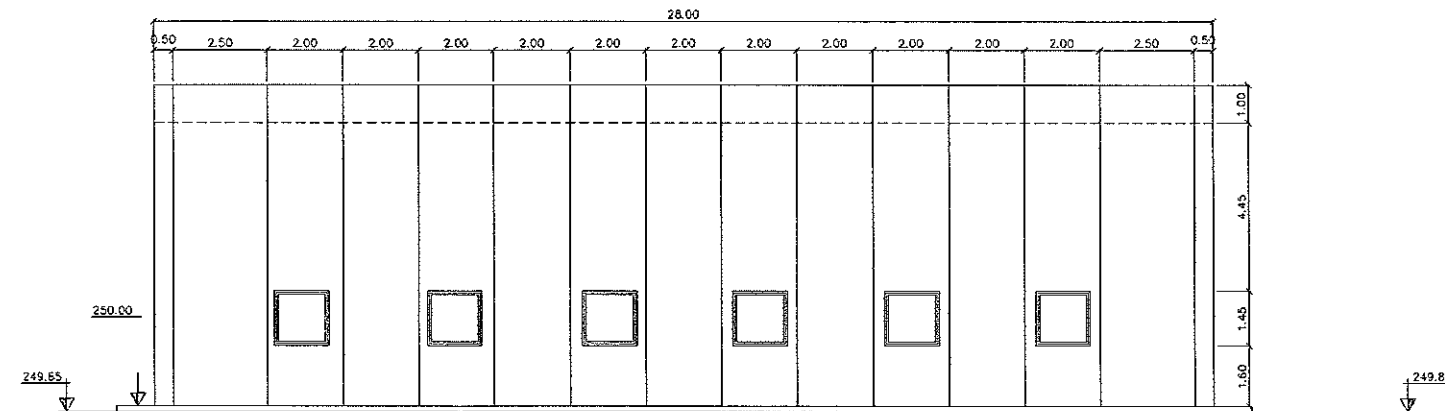
PLANTA



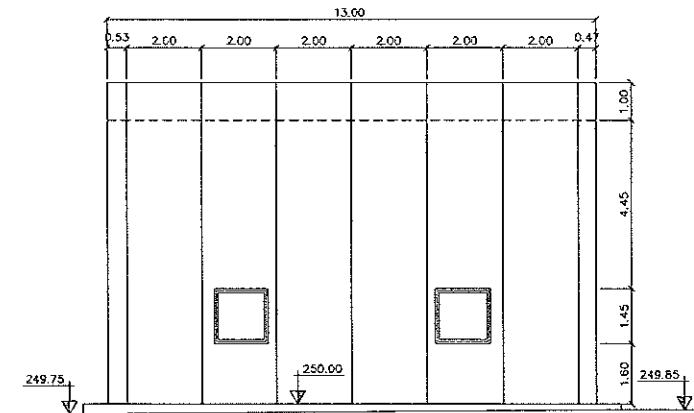
PLANTA EQUIPOS



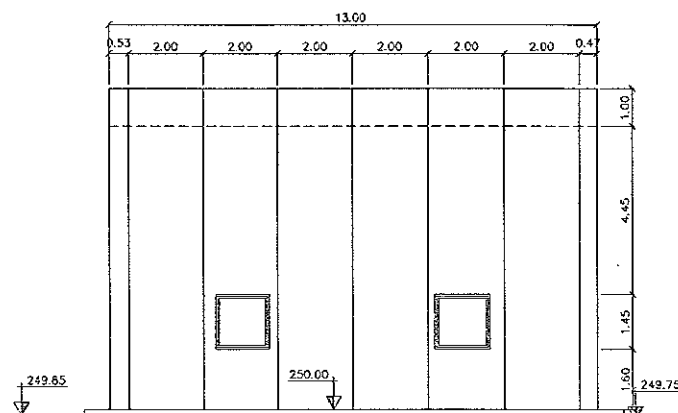
ALZADO "A"



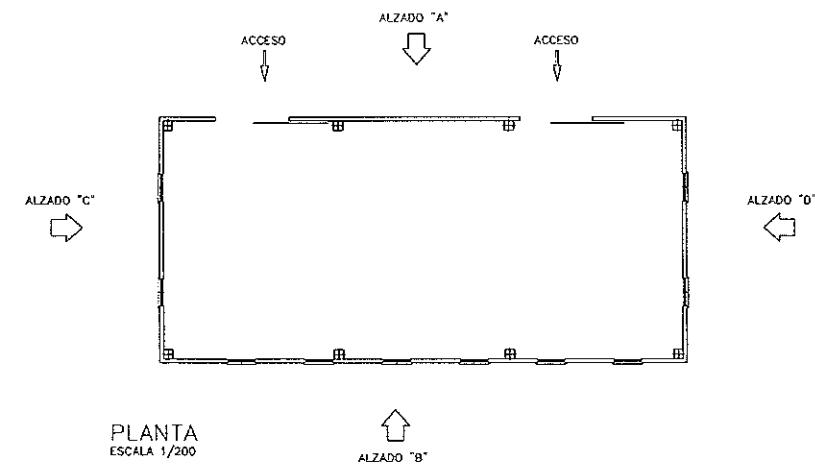
ALZADO "B"



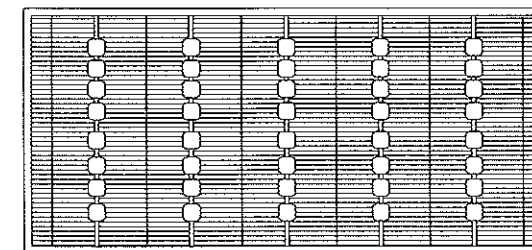
ALZADO "C"



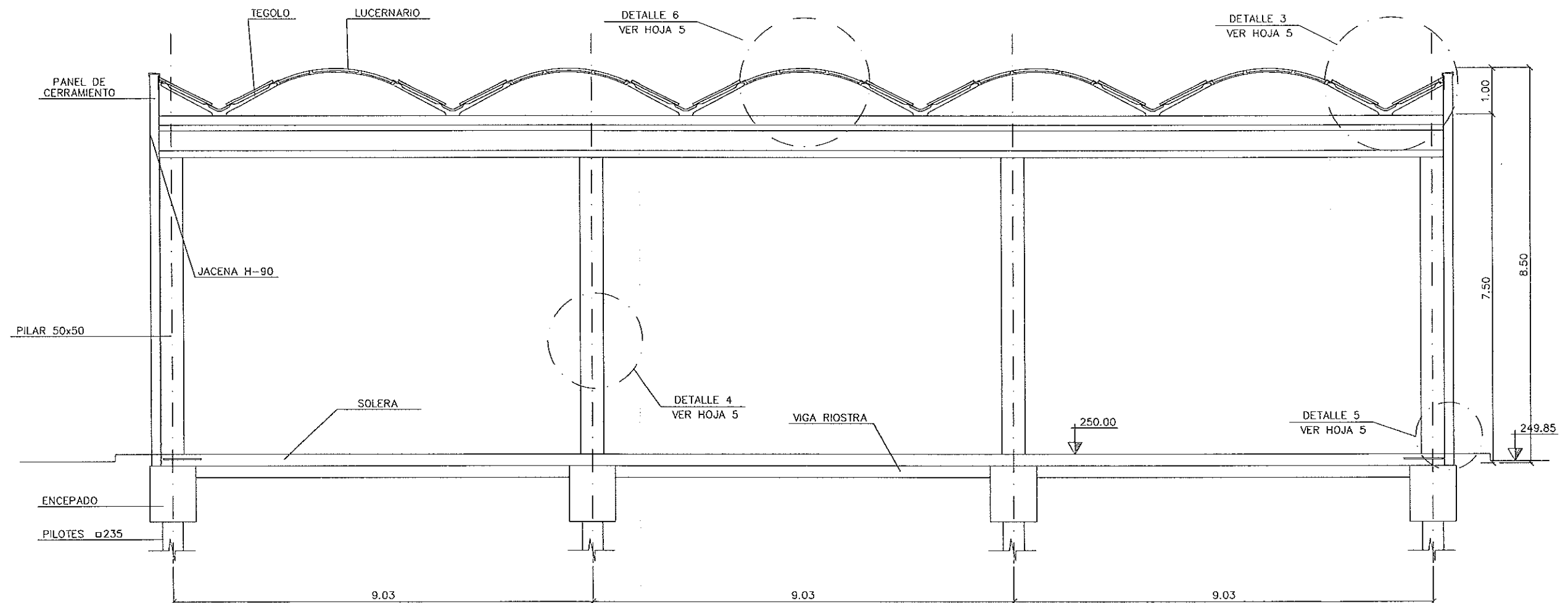
ALZADO "D"



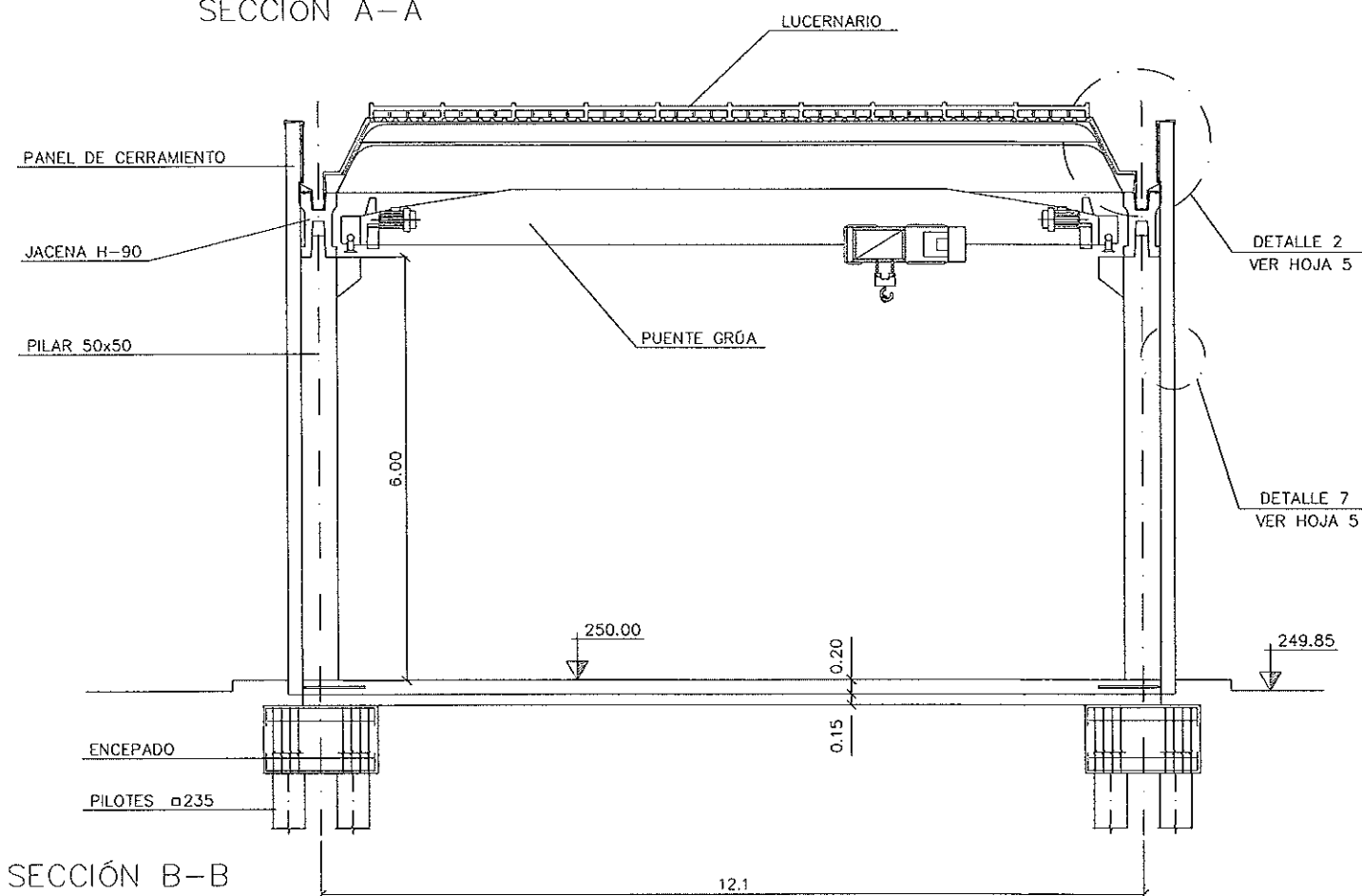
PLANTA
ESCALA 1/200



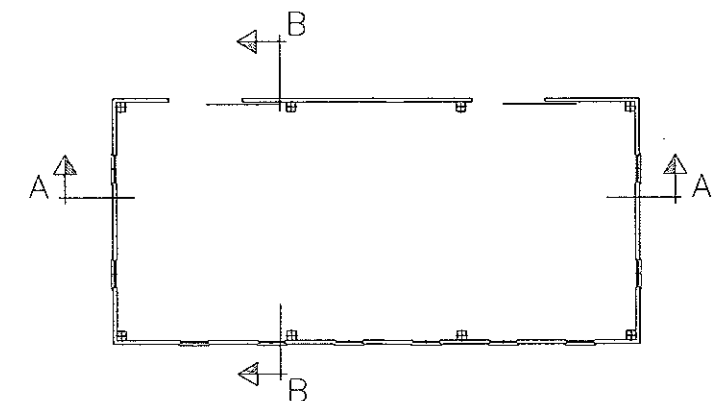
PLANTA DE CUBIERTAS
ESCALA 1/200



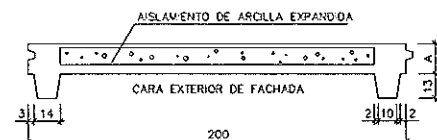
SECCIÓN A-A



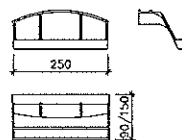
SECCIÓN B-B



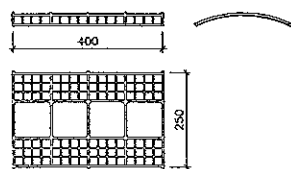
PLANO LLAVE



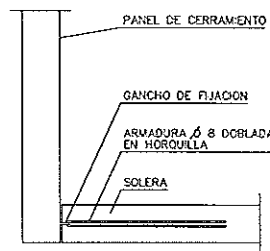
ESPESOR (A) = 12 Y 16 cm.
SECCIÓN DE PANEL NERVADO N-12/16
ESCALA 1:20
COTAS EN CENTÍMETROS



ELEMENTO TERMINAL
ESCALA 1:100
COTAS EN CENTÍMETROS



DETALLE 6
CURVA CON LUCERNARIO
ESCALA 1:100
COTAS EN CENTÍMETROS

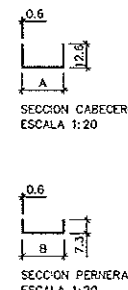


DETALLE 5
UNIÓN DE VIGA ZOCALO A SOLERA
ESCALA 1:20

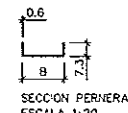
ANCHO PANEL	A	B
16	18.4	18
20	22.4	22
24	26.4	26



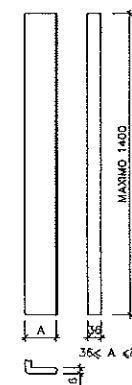
PREMARCO PARA HUECO DE 4 m.
COTAS EN CENTÍMETROS



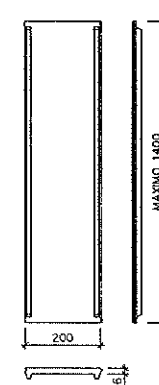
SECCIÓN CABECERO
ESCALA 1:20



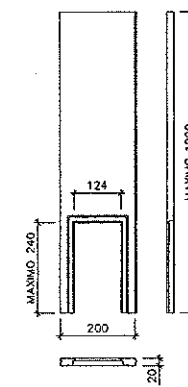
SECCIÓN PENERA
ESCALA 1:20



CANTONERA PARA N-16
ESCALA 1:100
COTAS EN CENTÍMETROS

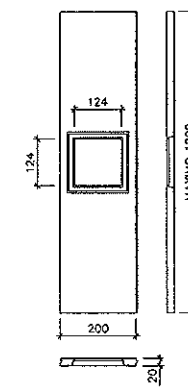


DETALLE 7
PANEL NERVADO N-16
ESCALA 1:100
COTAS EN CENTÍMETROS



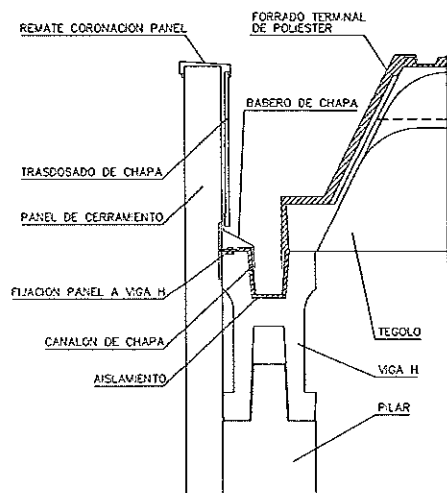
NOTA: AISLADO CON ARCILLA EXPANDIDA, POLIESTIRENO EXPANDIDO O AISLAMIENTO CONTINUO

L-20/LT-20 CON PUERTA
ESCALA 1:100
COTAS EN CENTÍMETROS

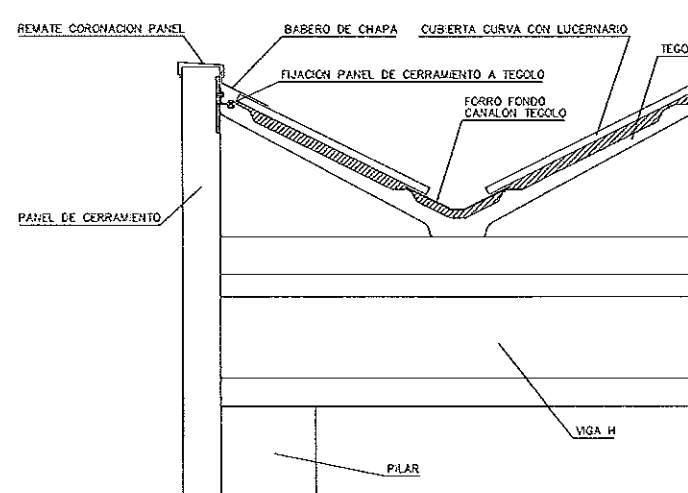


NOTA: AISLADO CON ARCILLA EXPANDIDA, POLIESTIRENO EXPANDIDO O AISLAMIENTO CONTINUO

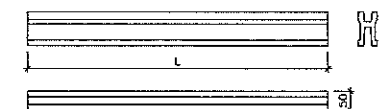
L-20/LT-20 CON VENTANA
ESCALA 1:100
COTAS EN CENTÍMETROS



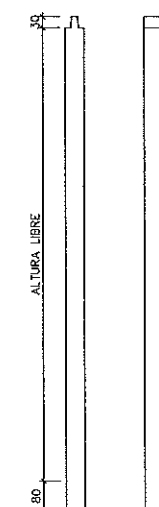
DETALLE 2
APOYO SOBRE VIGA H Y FIJACIÓN PANEL
ESCALA 1:20



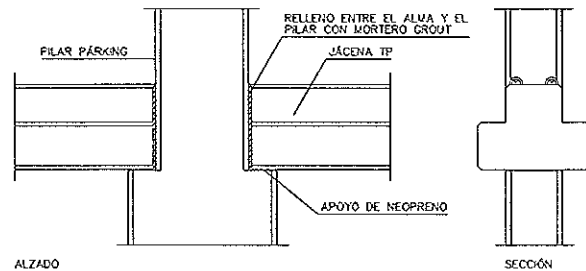
DETALLE 3
FIJACIÓN PANEL A TEGOLO
ESCALA 1:20



JACENA H-90
ESCALA 1:100
COTAS EN CENTÍMETROS

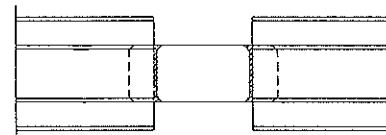


DETALLE 4
PILAR 50x50 cm. PARA H-90
ESCALA 1:100
COTAS EN CENTÍMETROS



ALZADO

SECCIÓN

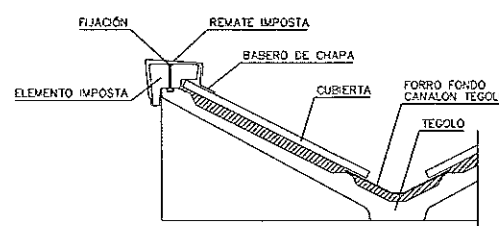


PLANTA

UNIÓN JACENA TP SOBRE HOMBRO DE PILAR
ESCALA 1:20

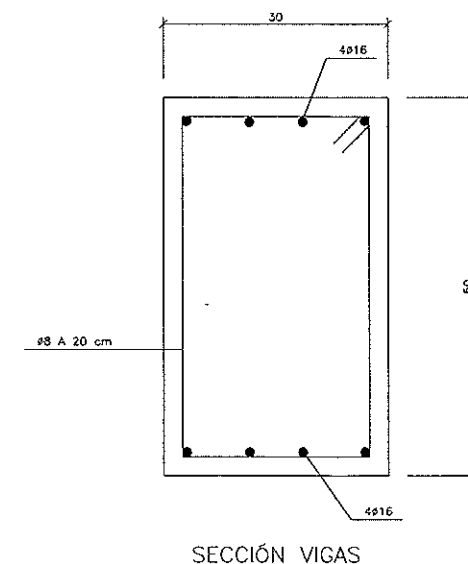
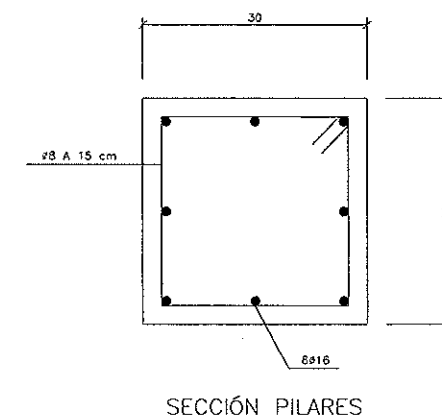
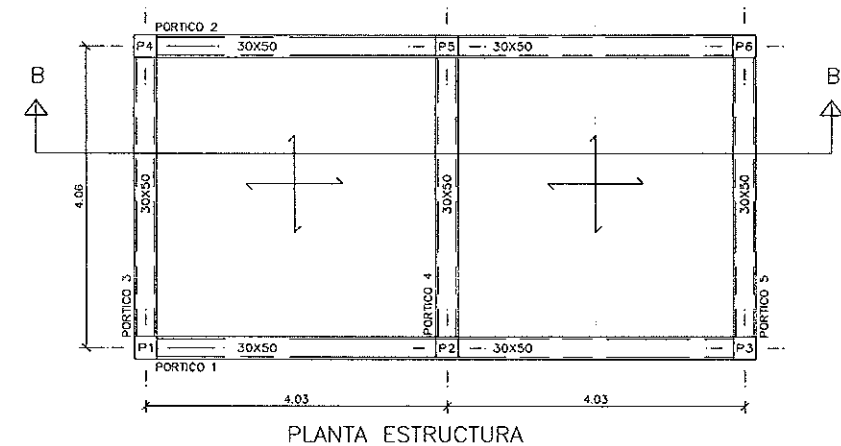
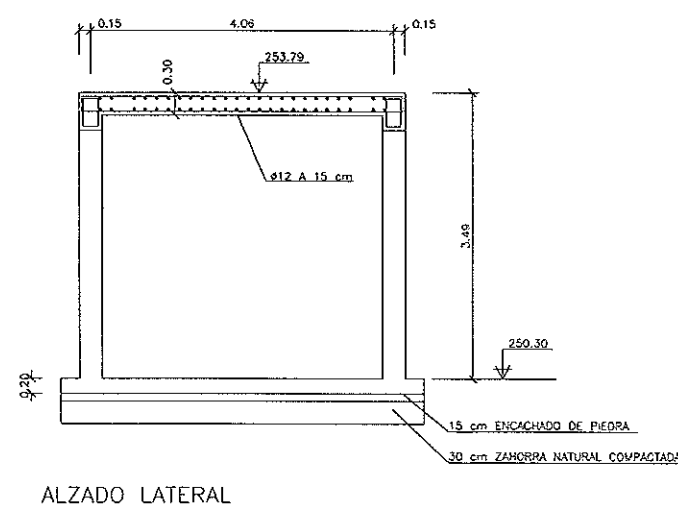
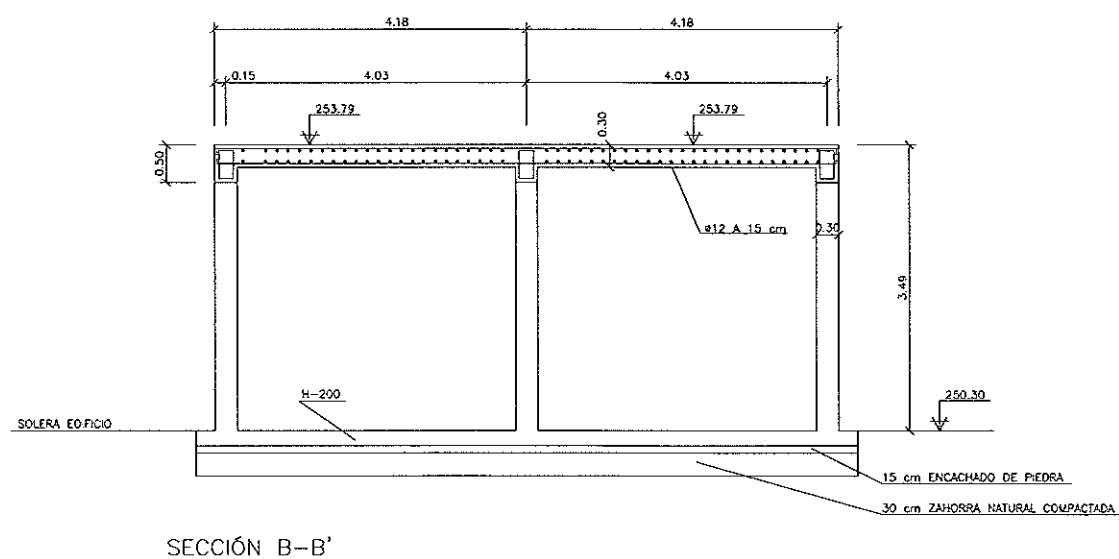
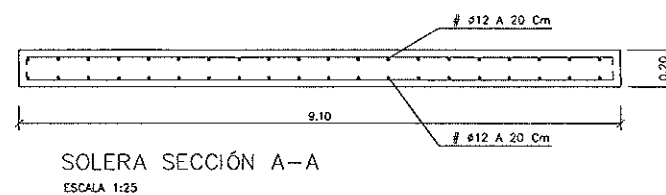
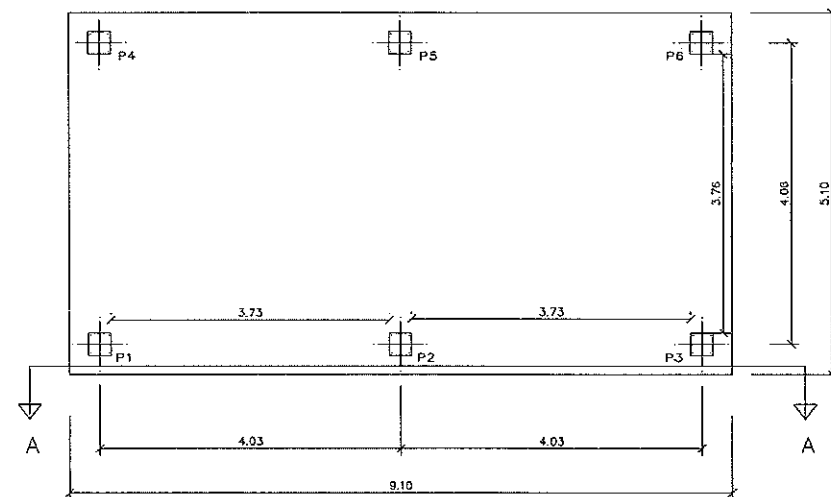


ELEMENTO IMPOSTA
ESCALA 1:20
COTAS EN CENTÍMETROS

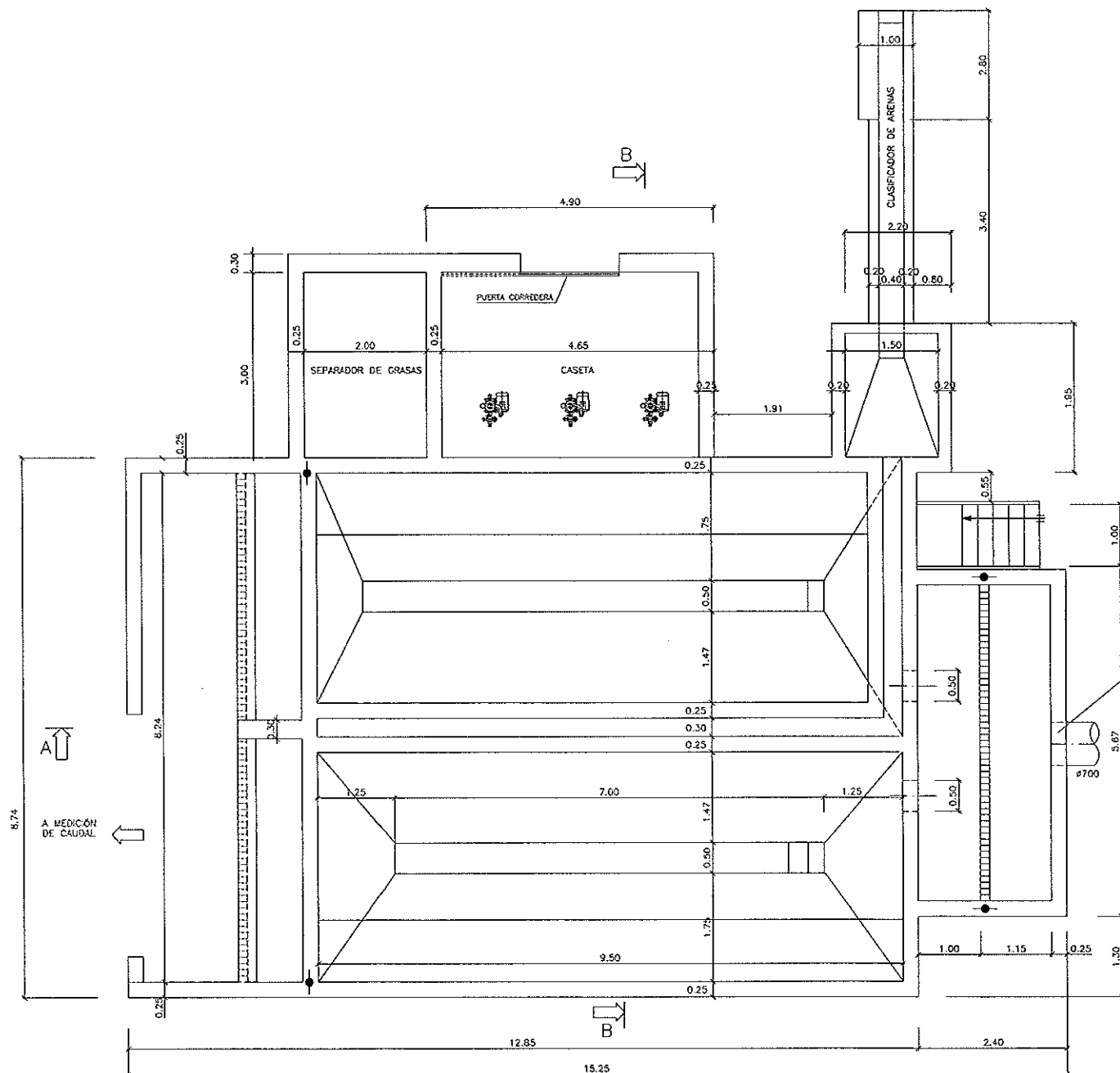


NOTA: EN AQUELLOS CASOS QUE NO SE DISPONGA DE CERRAMIENTO PREFABRICADO, DEBERA CONTRAPESARSE EL BORDE LIBRE CON ELEMENTOS TIPO IMPOSTA

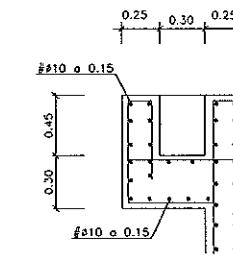
FIJACIÓN ELEMENTO IMPOSTA
ESCALA 1:20

CONTROL DE CALIDAD

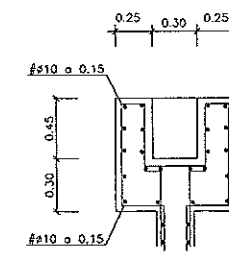
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	$\alpha=1,5$
ACERO	A.E.H.500	NORMAL	$s=1,15$
EJECUCIÓN		NORMAL	$f=1,60$



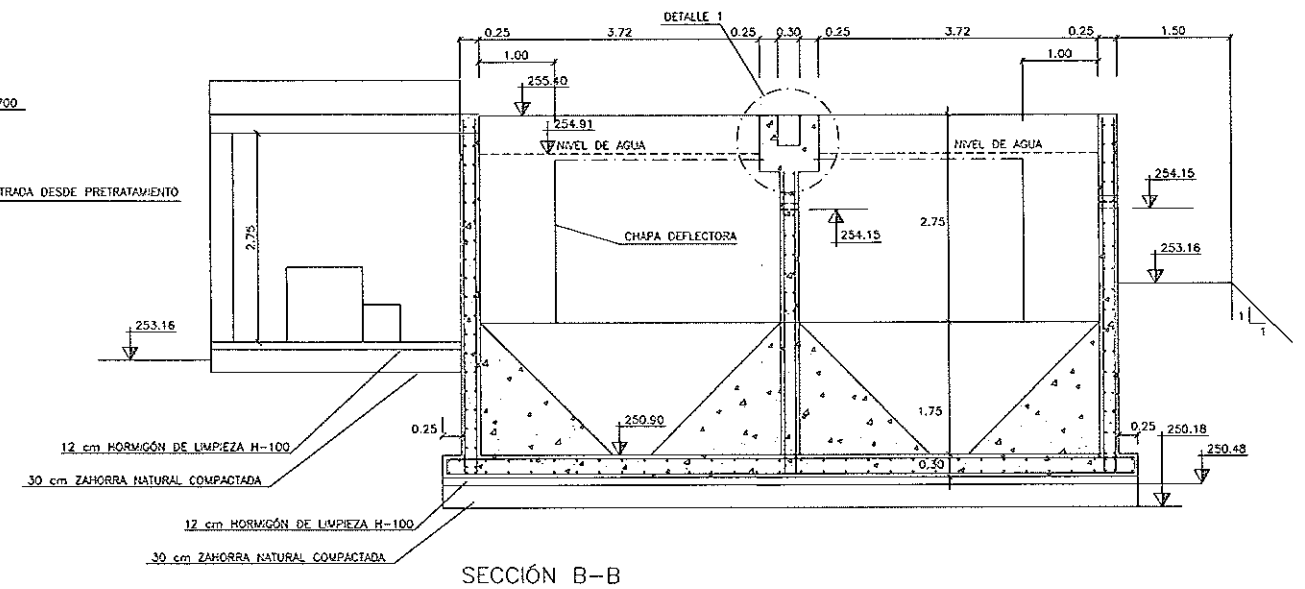
PLANTA



DETALLE 2
ESCALA 1/25



DETALLE 1
ESCALA 1/25



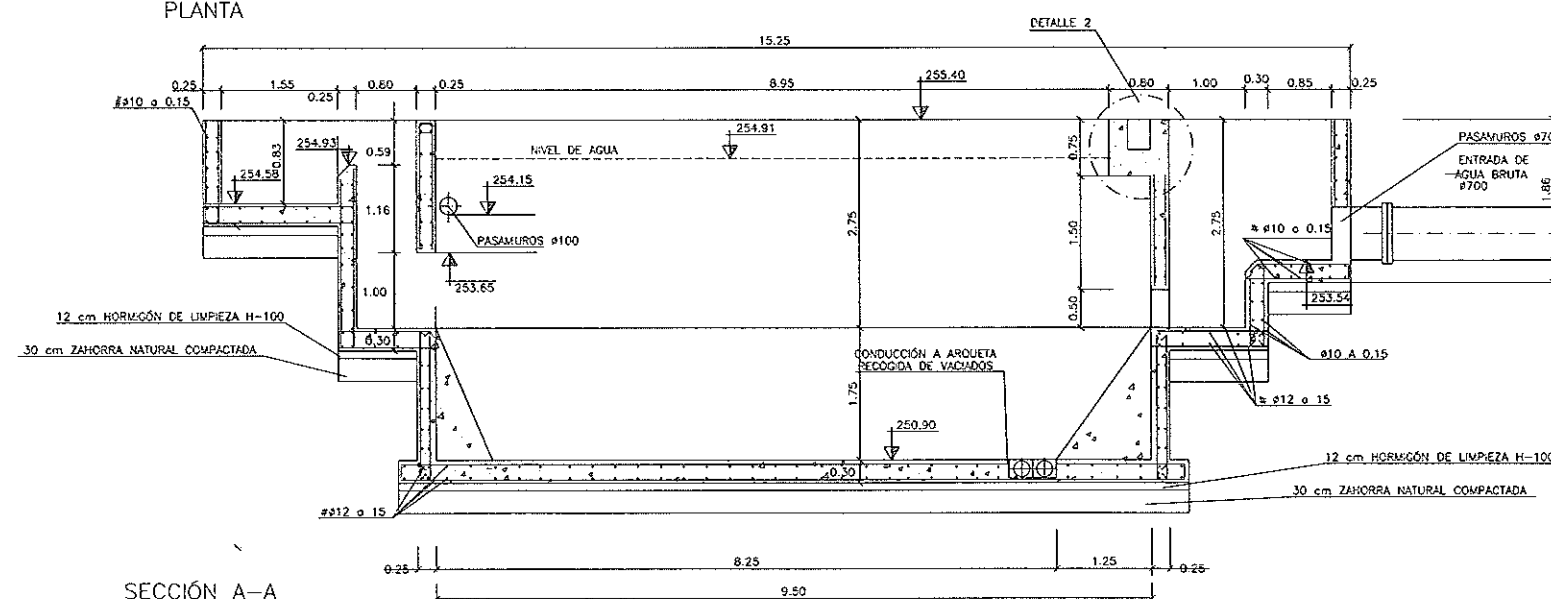
SECCIÓN B-B

LEYENDA

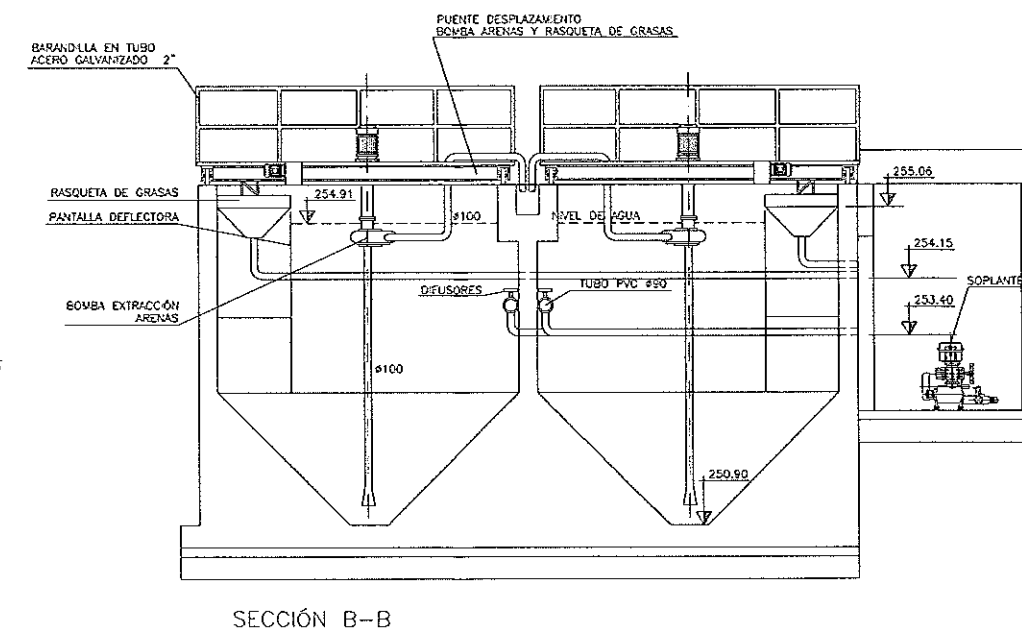
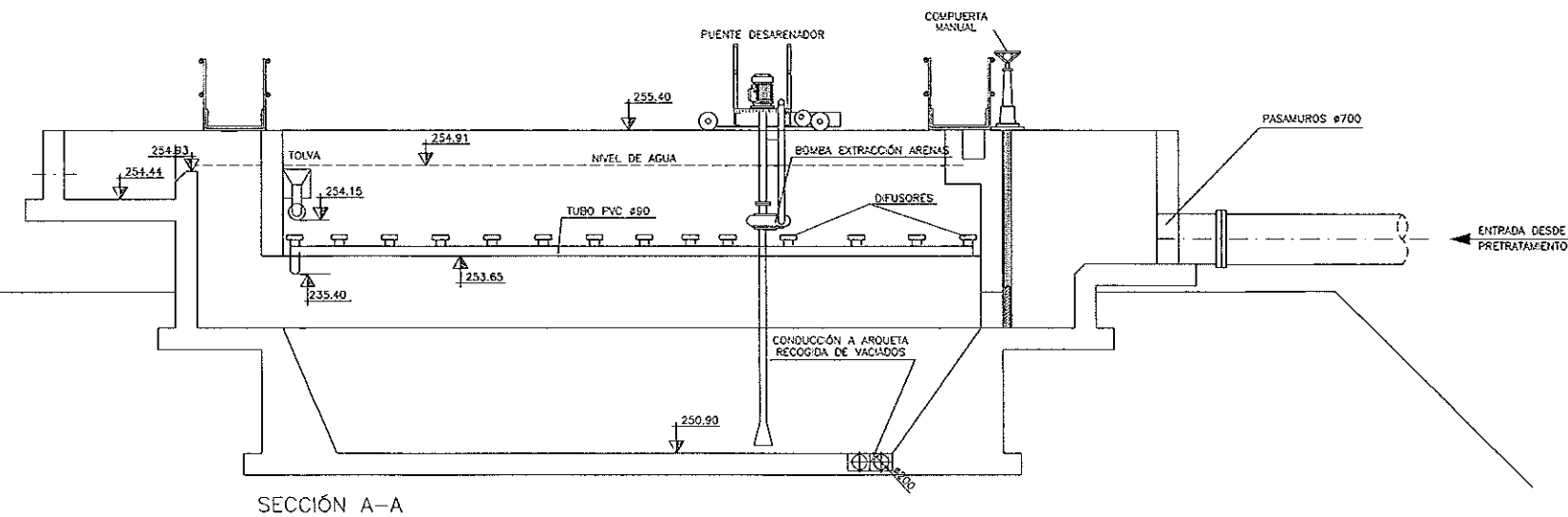
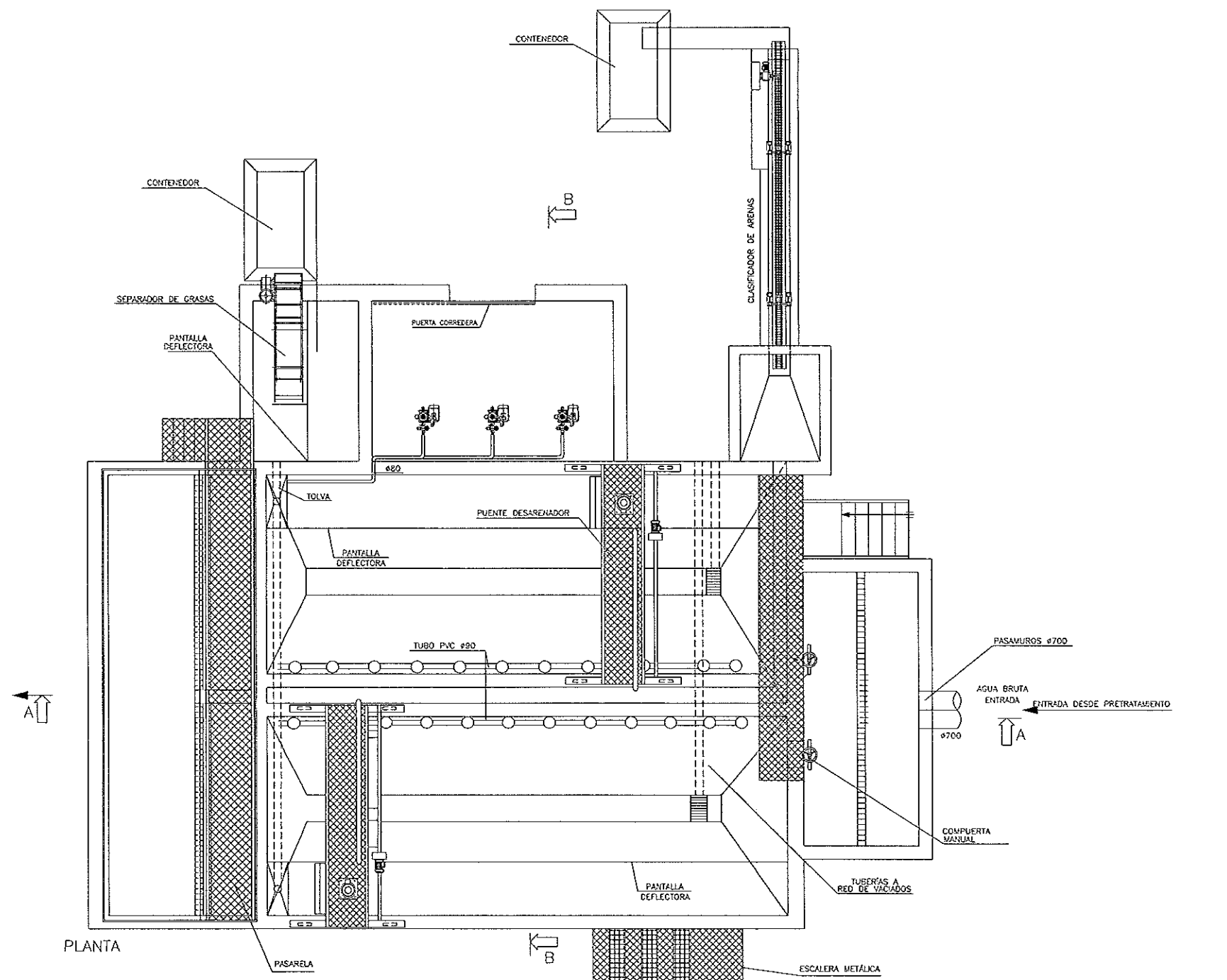
● JUNTA DE ESTANQUEIDAD VERTICAL

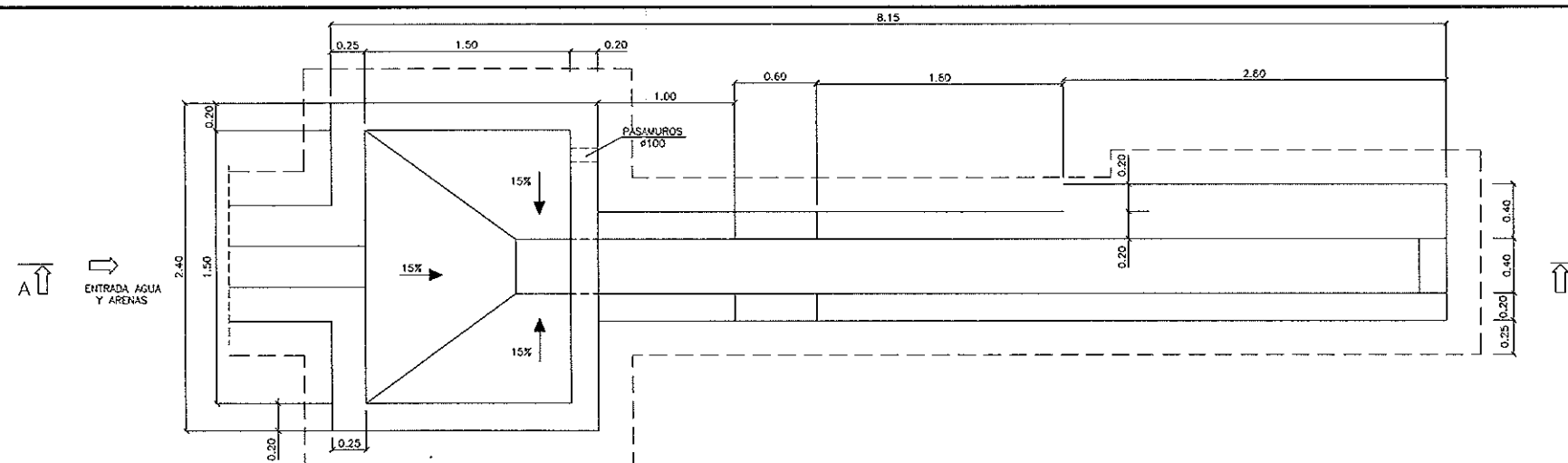
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

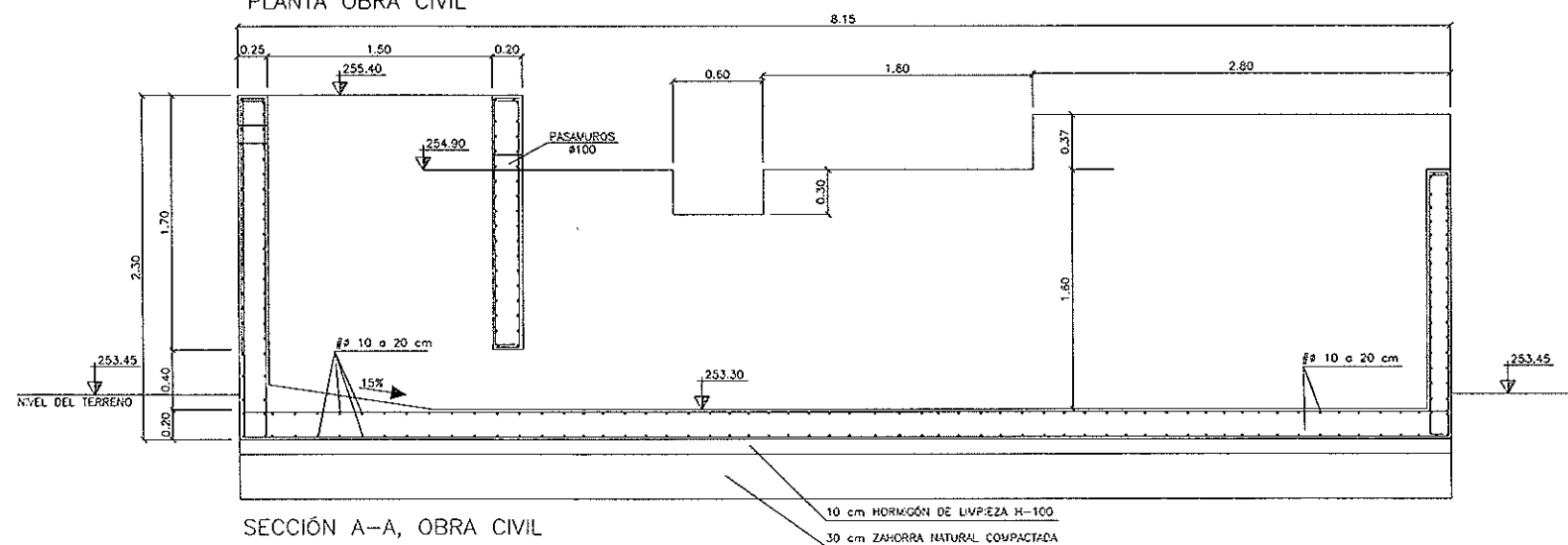


SECCIÓN A-A

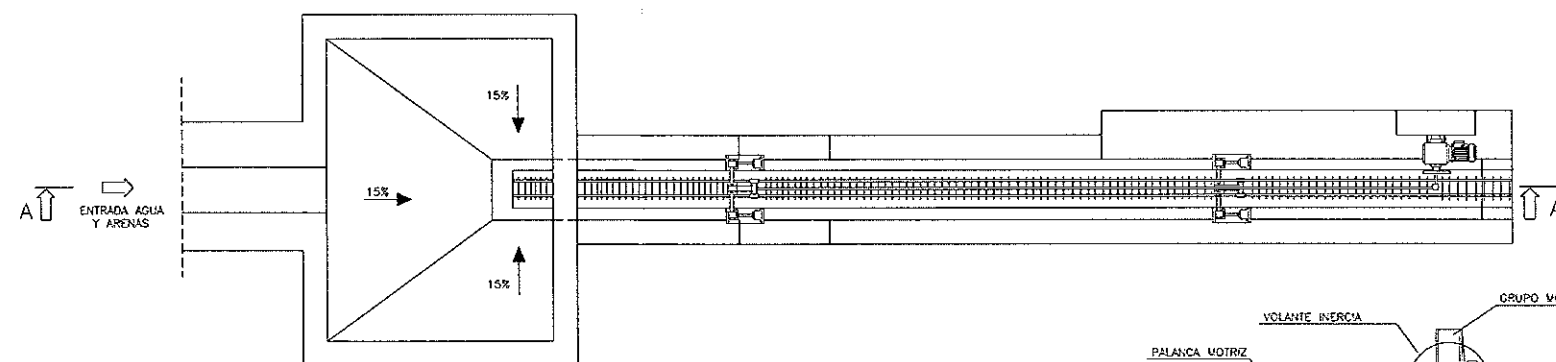




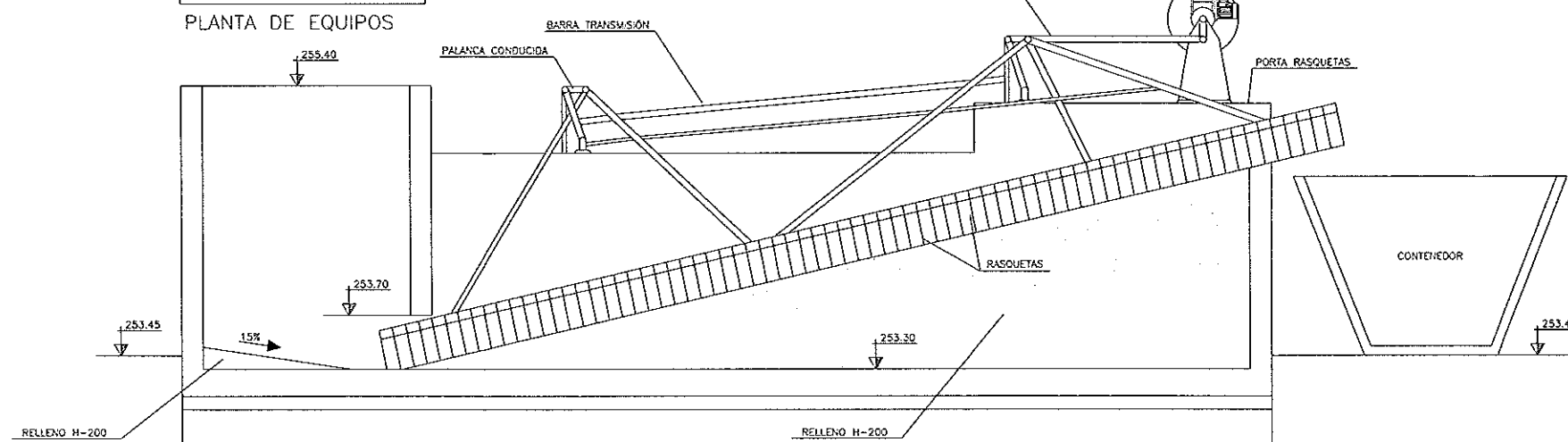
PLANTA OBRA CIVIL



SECCIÓN A-A, OBRA CIVIL



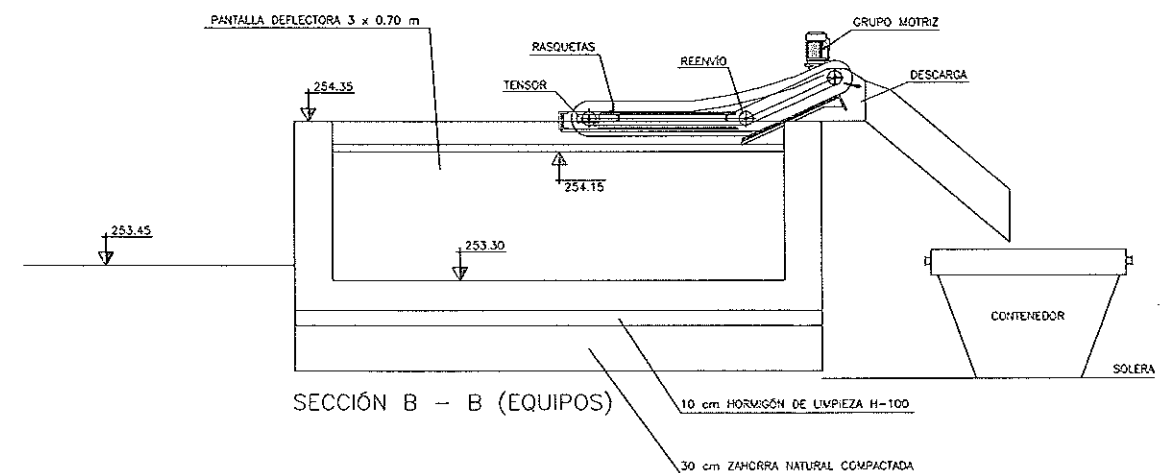
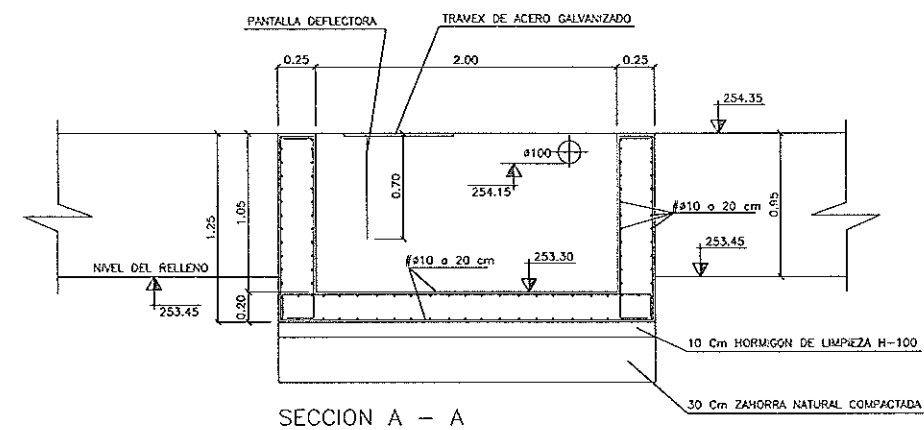
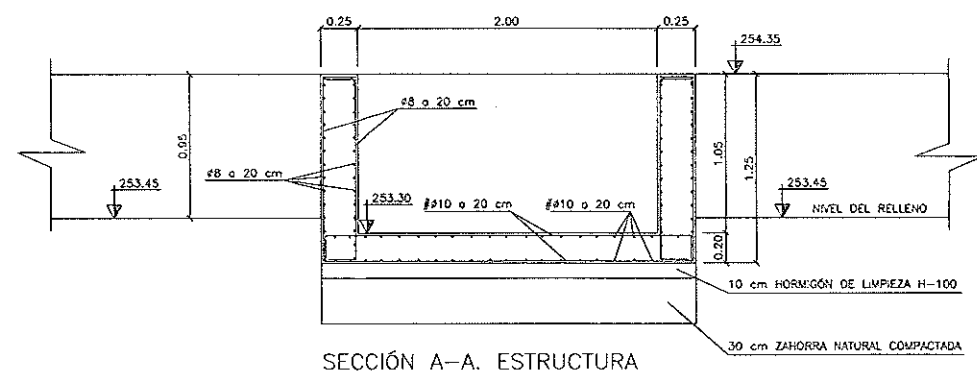
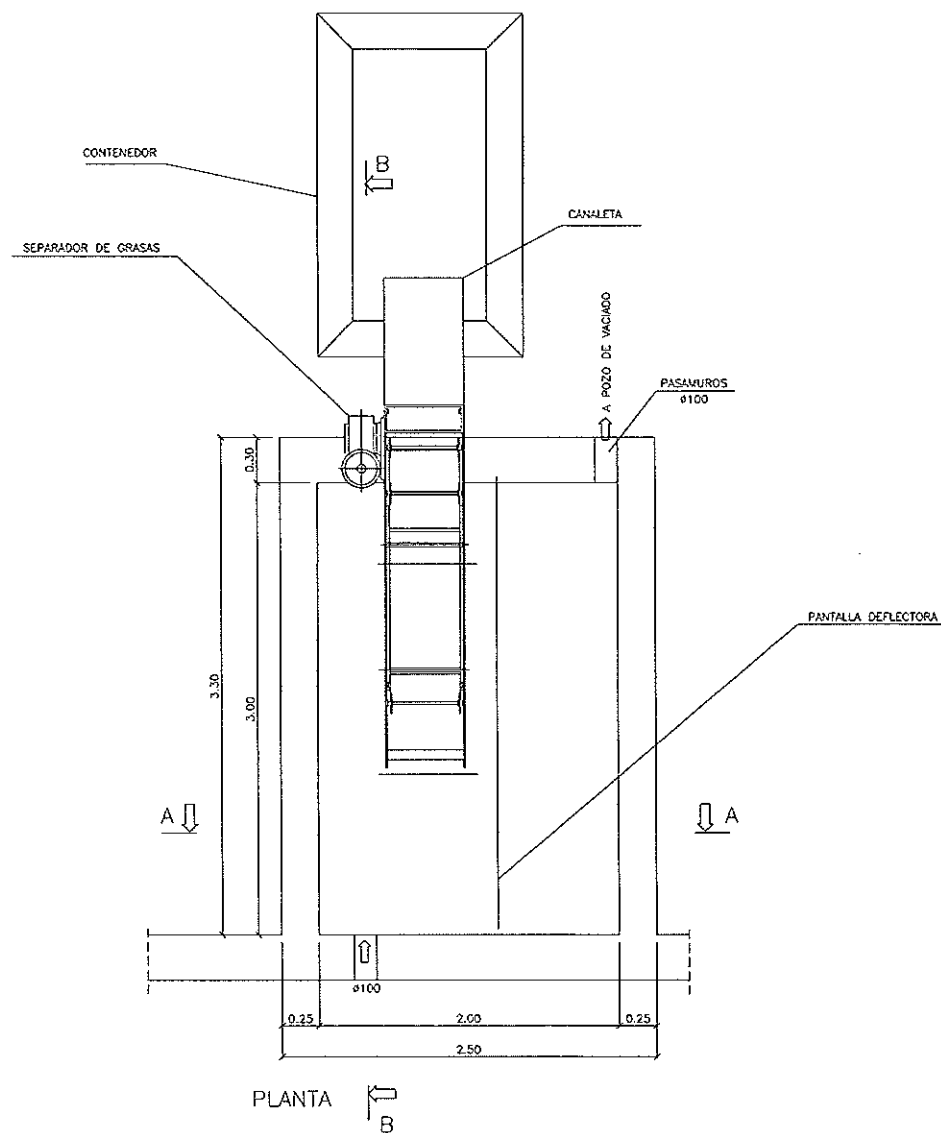
PLANTA DE EQUIPOS



SECCIÓN A-A, EQUIPOS MECÁNICOS

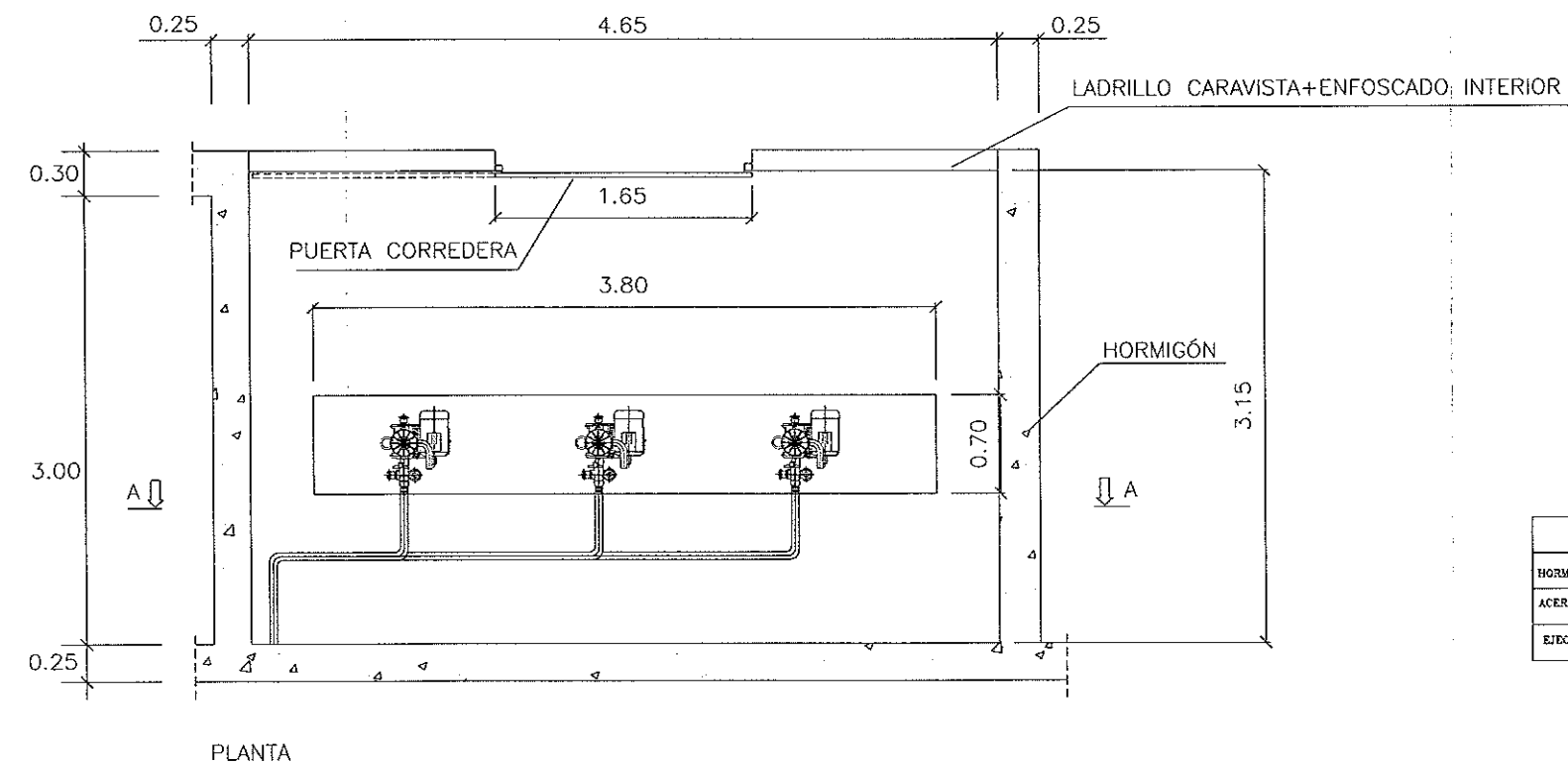
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H-200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



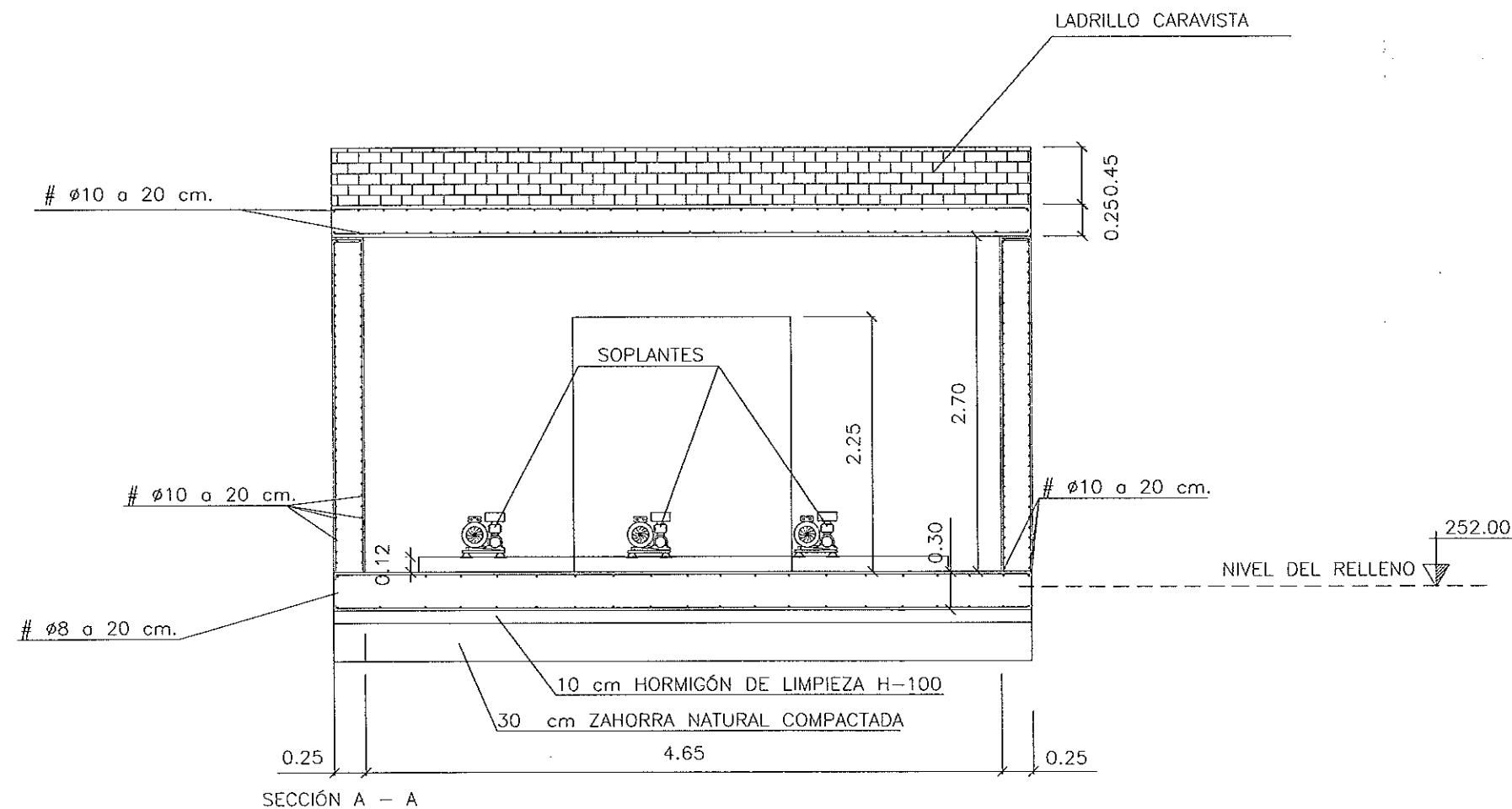
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

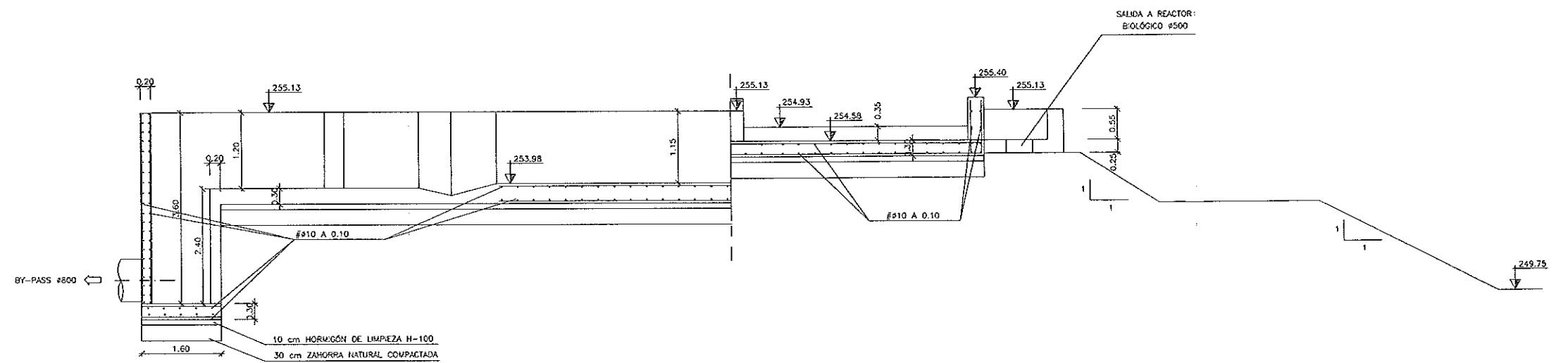


CONTROL DE CALIDAD

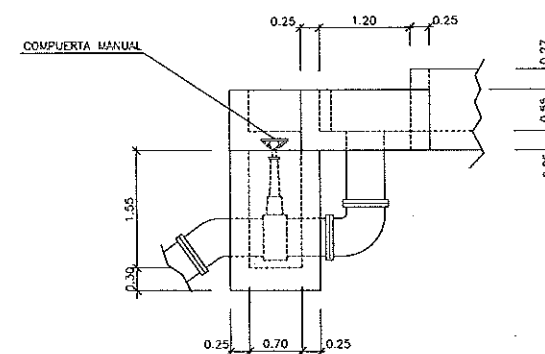
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H-200	NORMAL	c=1,5
ACERO	A.E.H-500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



DESARENADOR

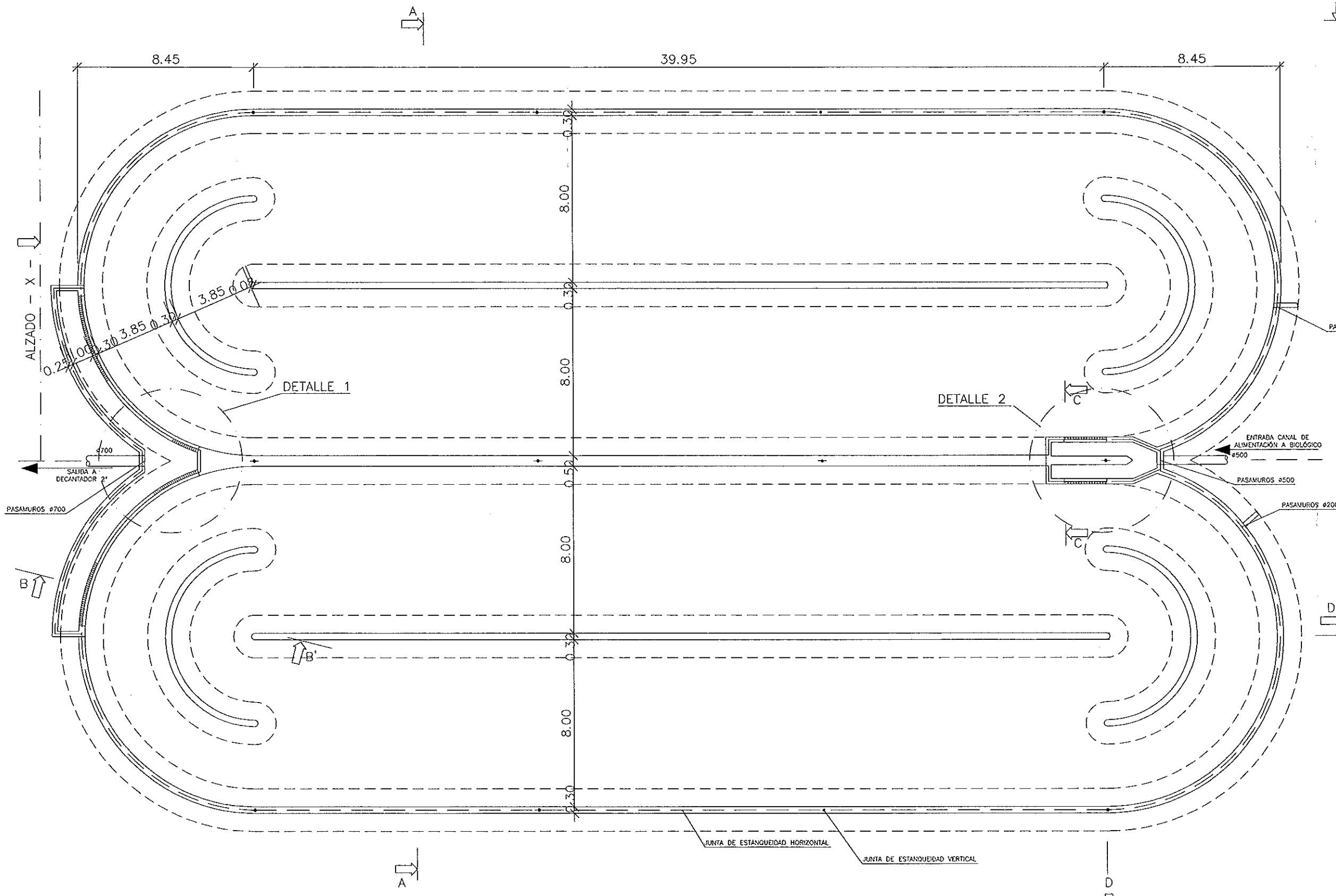


SECCIÓN A — A

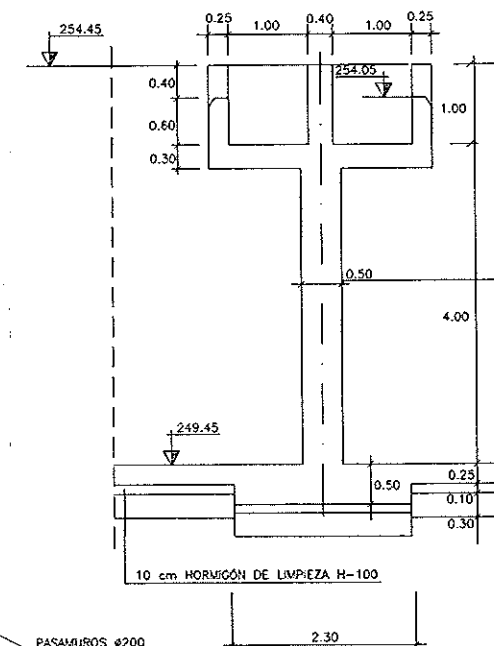


VISTA B - B

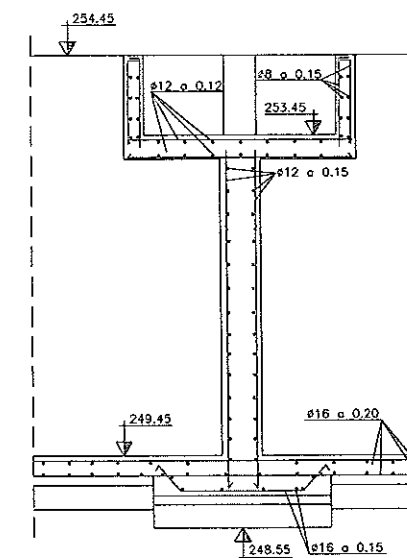
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,50



PLANTA



SECCIÓN C - C
ESCALA= 1:50

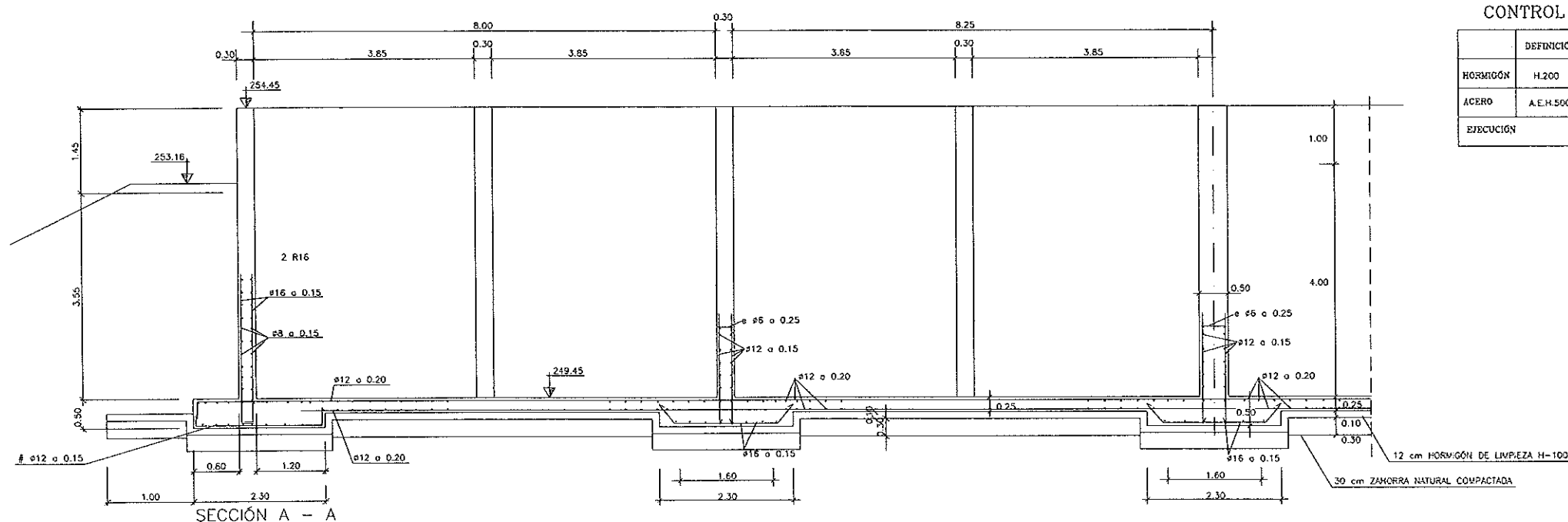
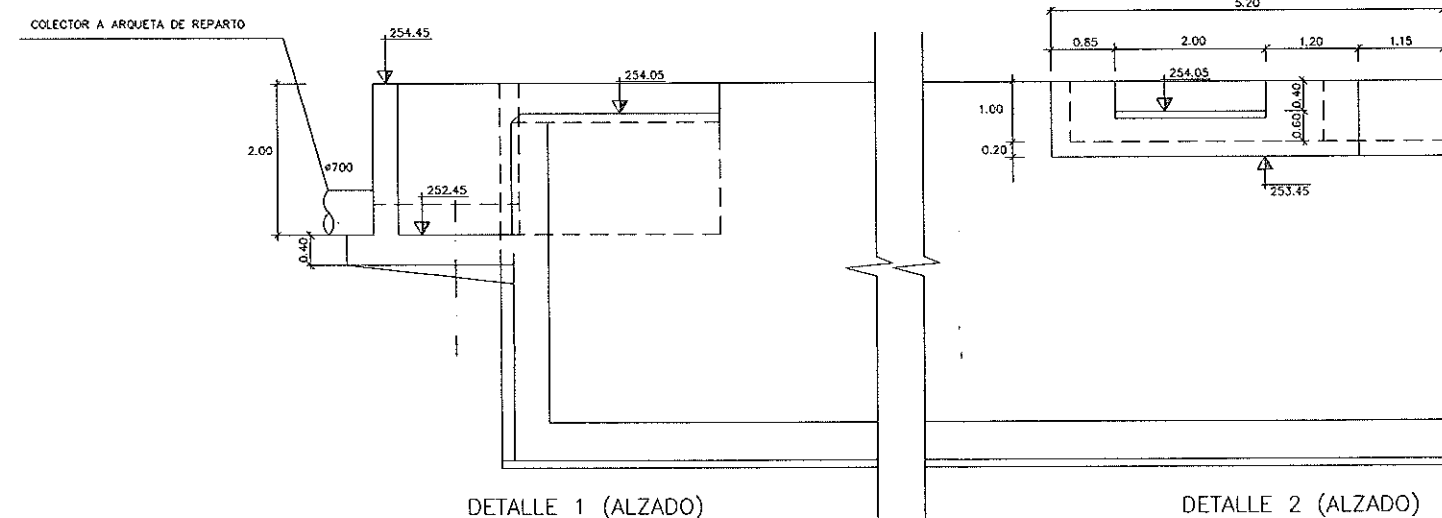
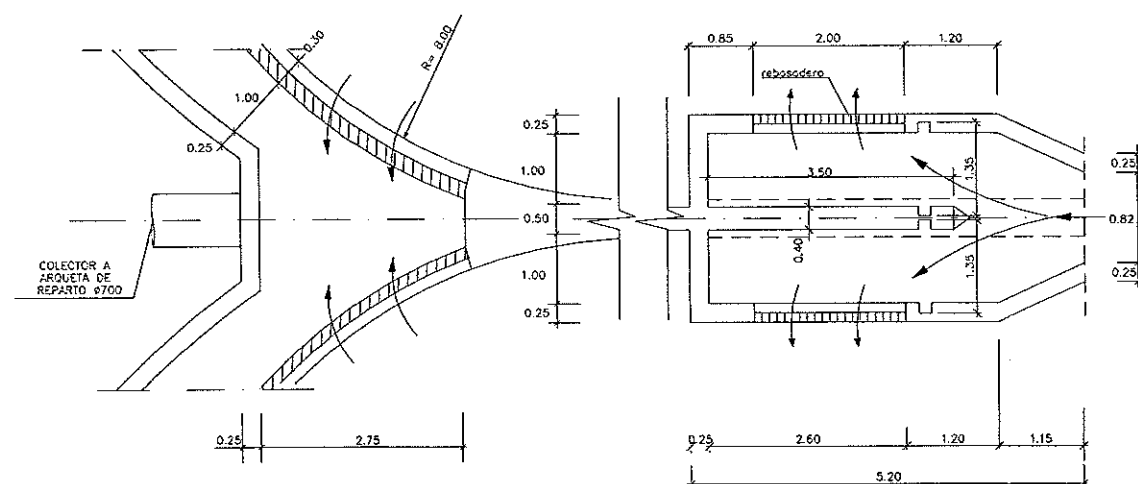
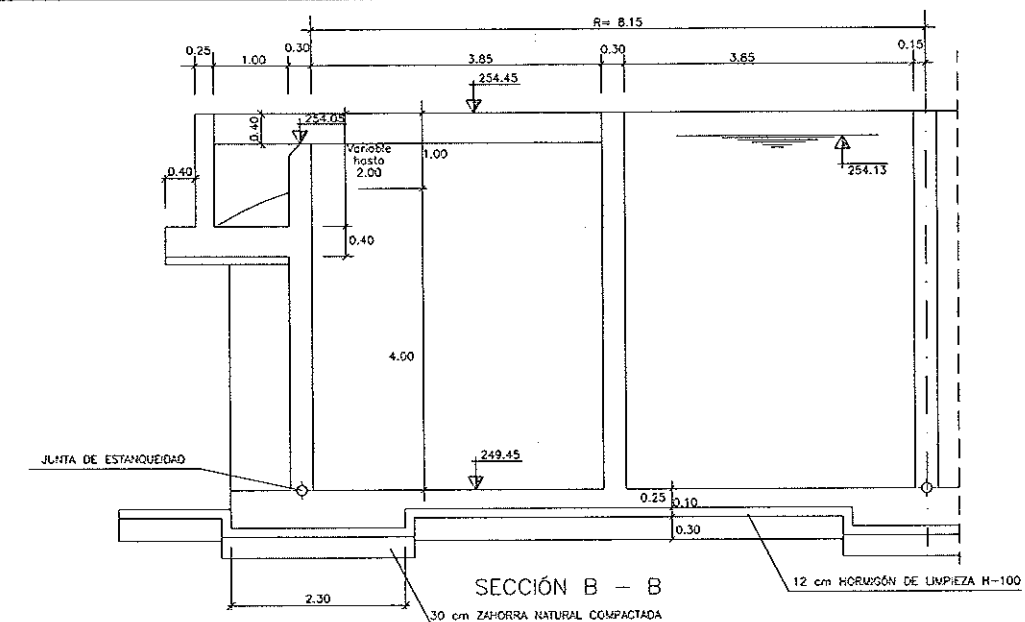
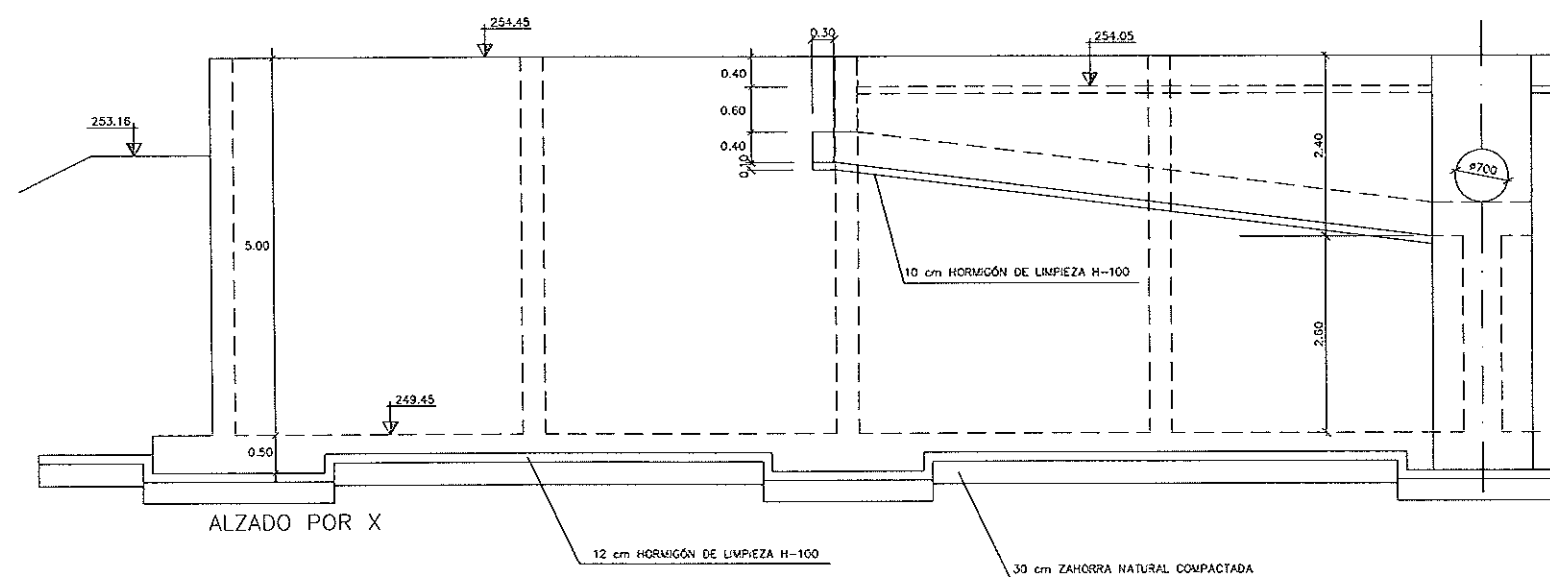


SECCIÓN C - C: ARMADURAS
ESCALA= 1:50

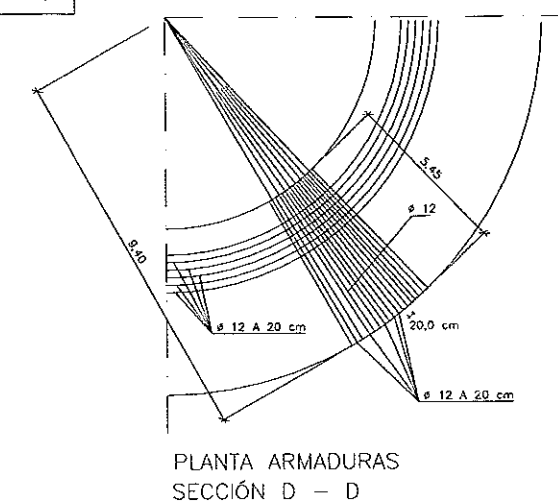
CONTROL DE CALIDAD

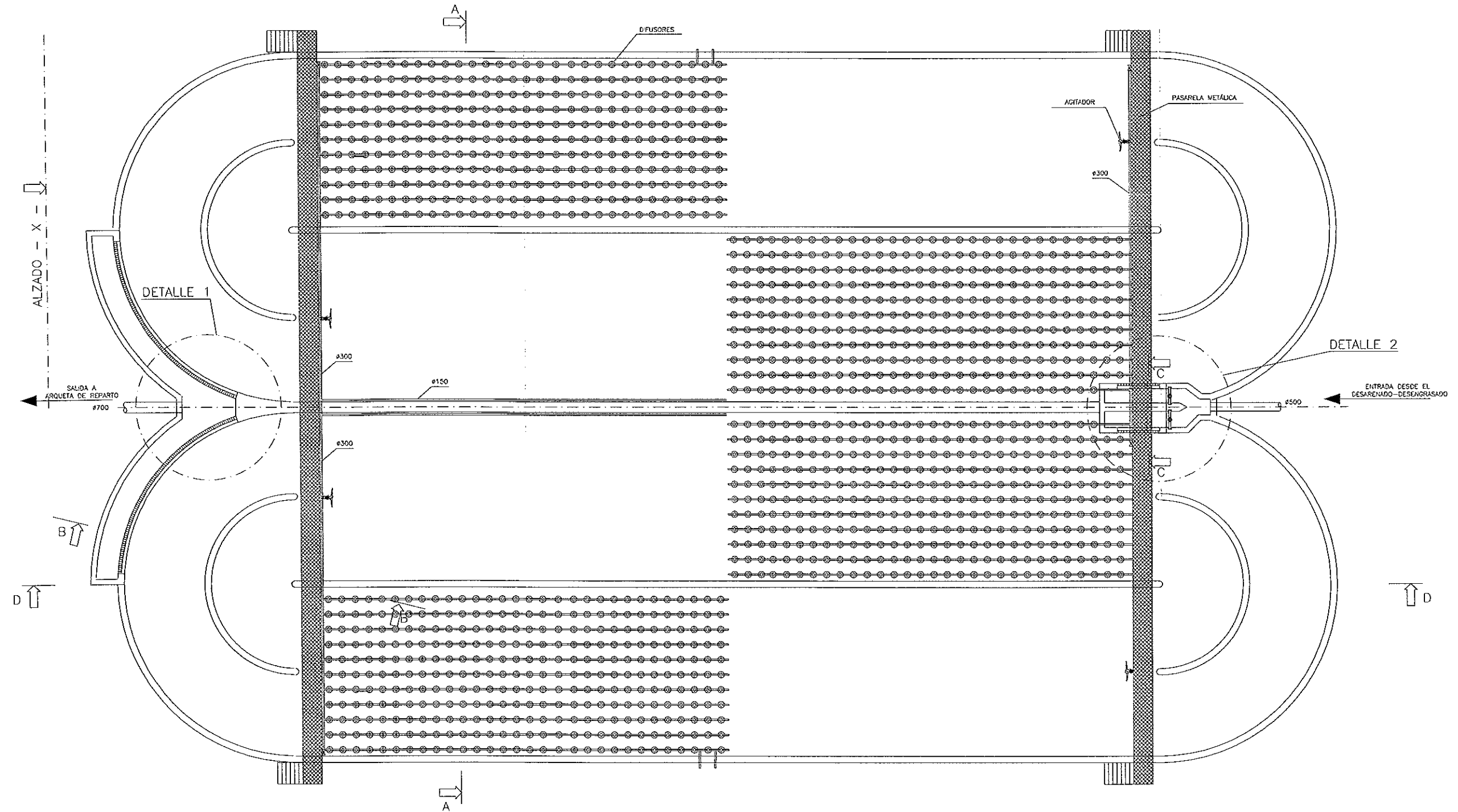
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

→ JUNTA DE ESTANQUEIDAD VERTICAL DE PVC

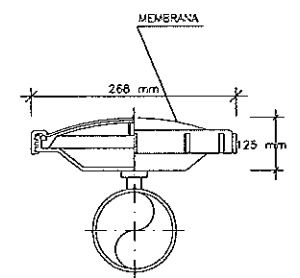
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	$c=1,5$
ACERO	A.E.H.500	NORMAL	$s=1,15$
EJECUCIÓN		NORMAL	$f=1,60$

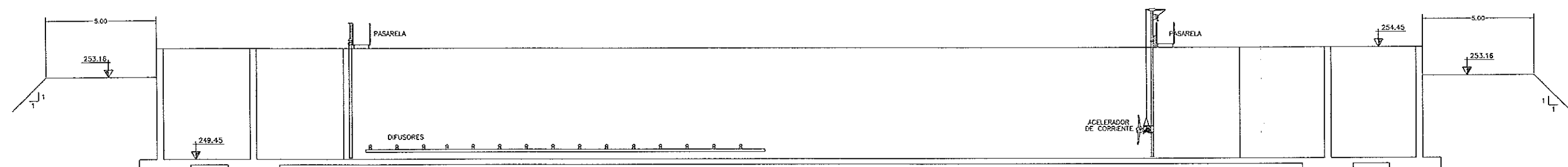




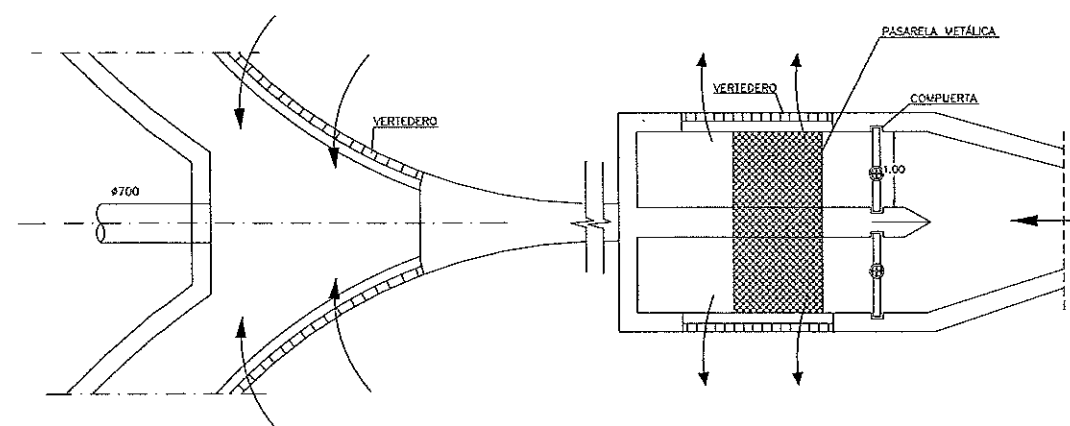
PLANTA



DETALLE DIFUSOR DE MEMBRANA CIRCULAR
S/N ESCALA

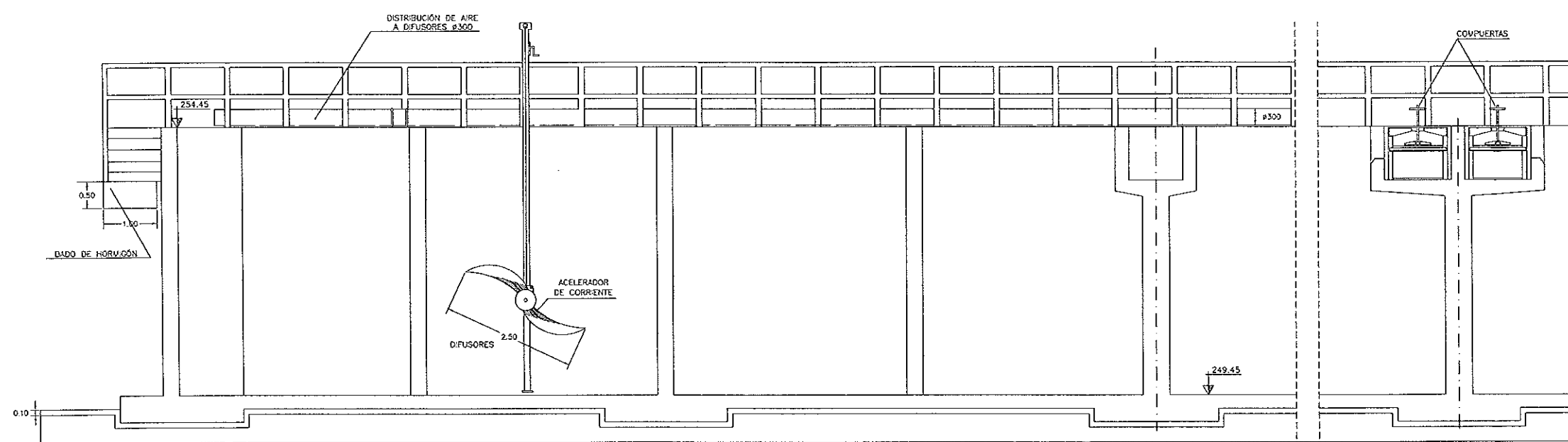


SECCIÓN D - D



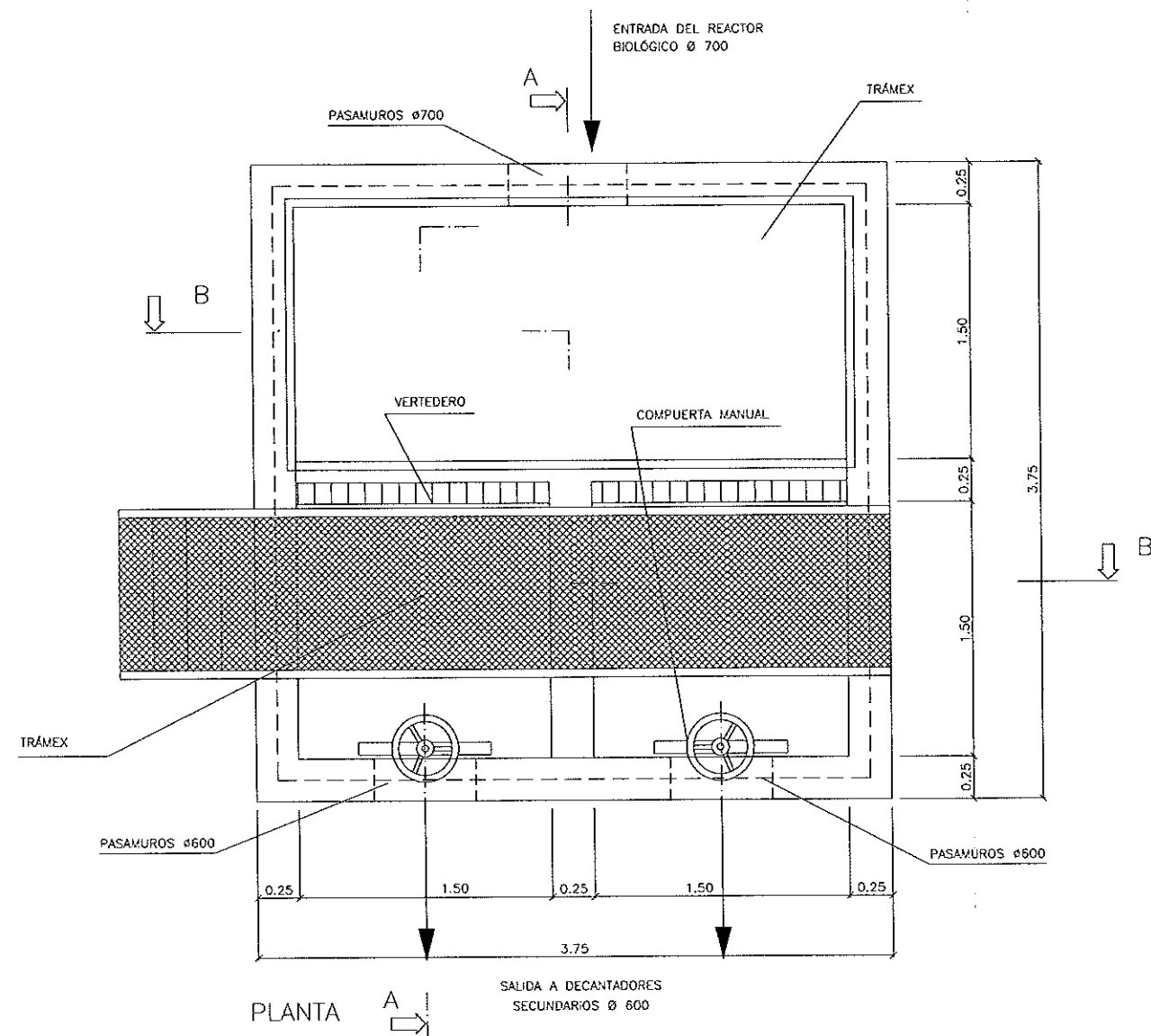
DETALLE 1 (PLANTA)
S/E

DETALLE 2 (PLANTA)
S/E



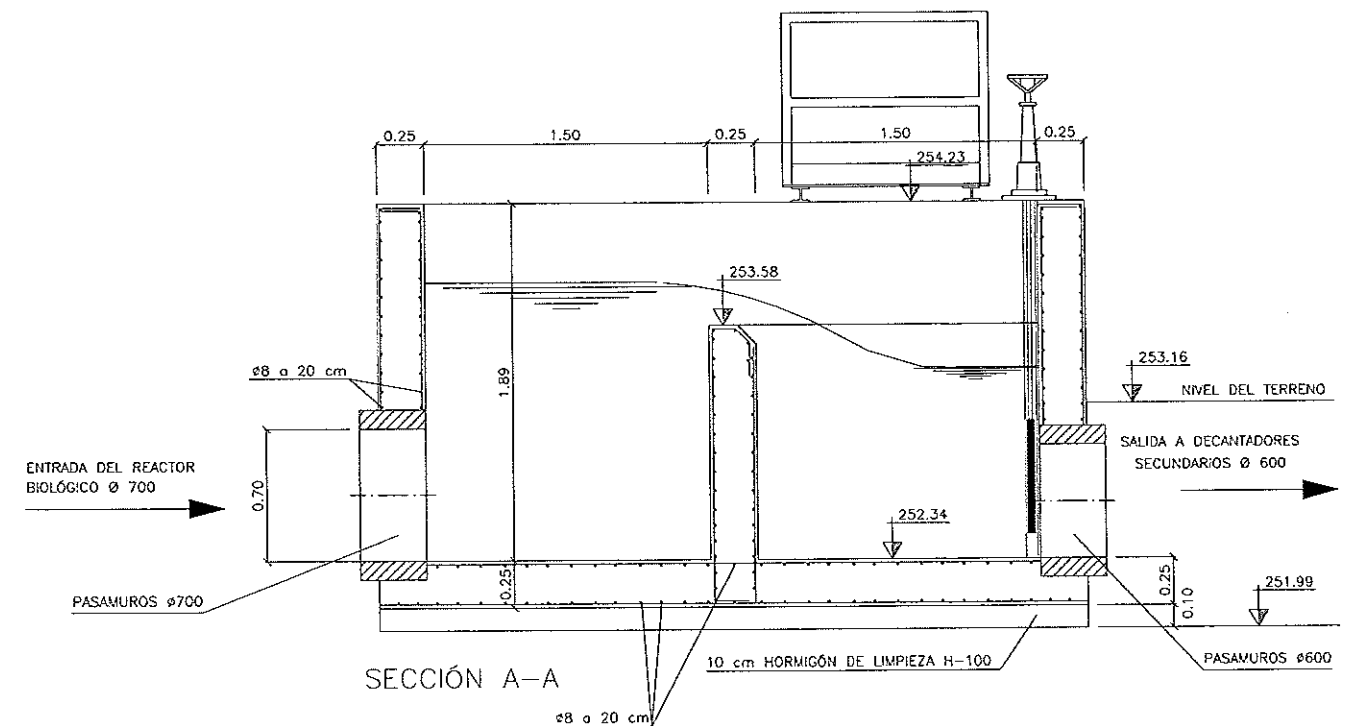
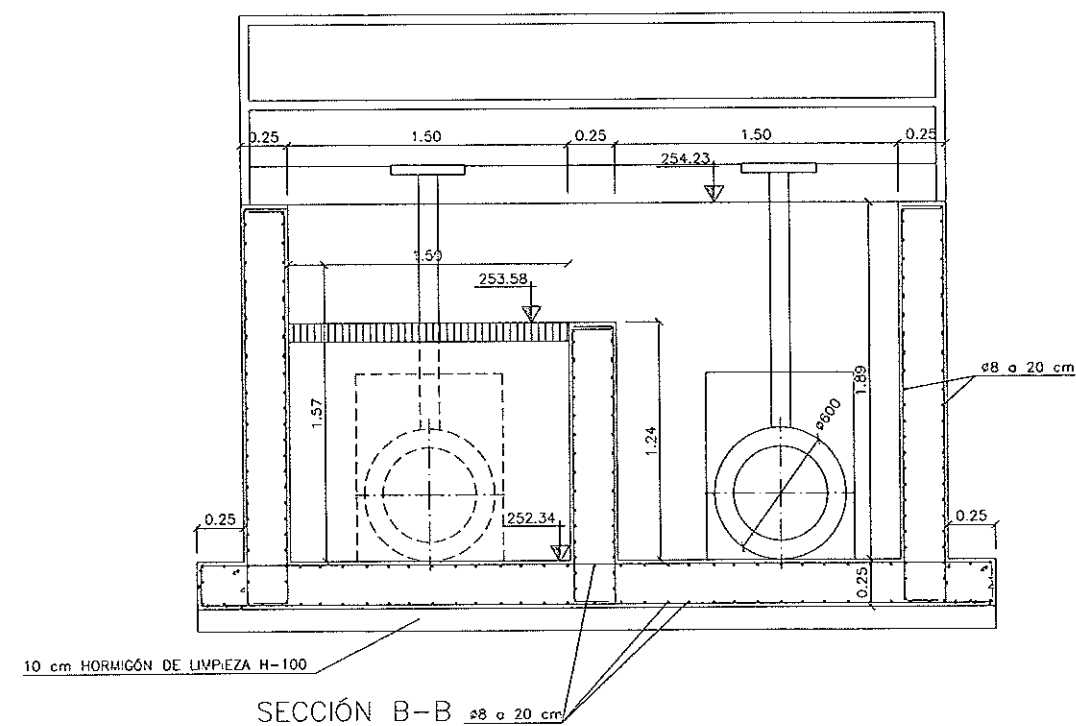
SECCIÓN A - A
ESCALA 1:50

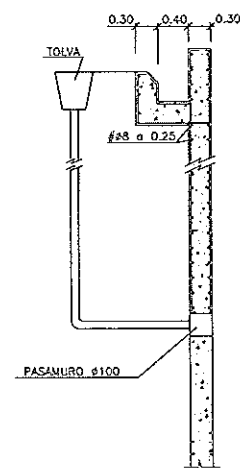
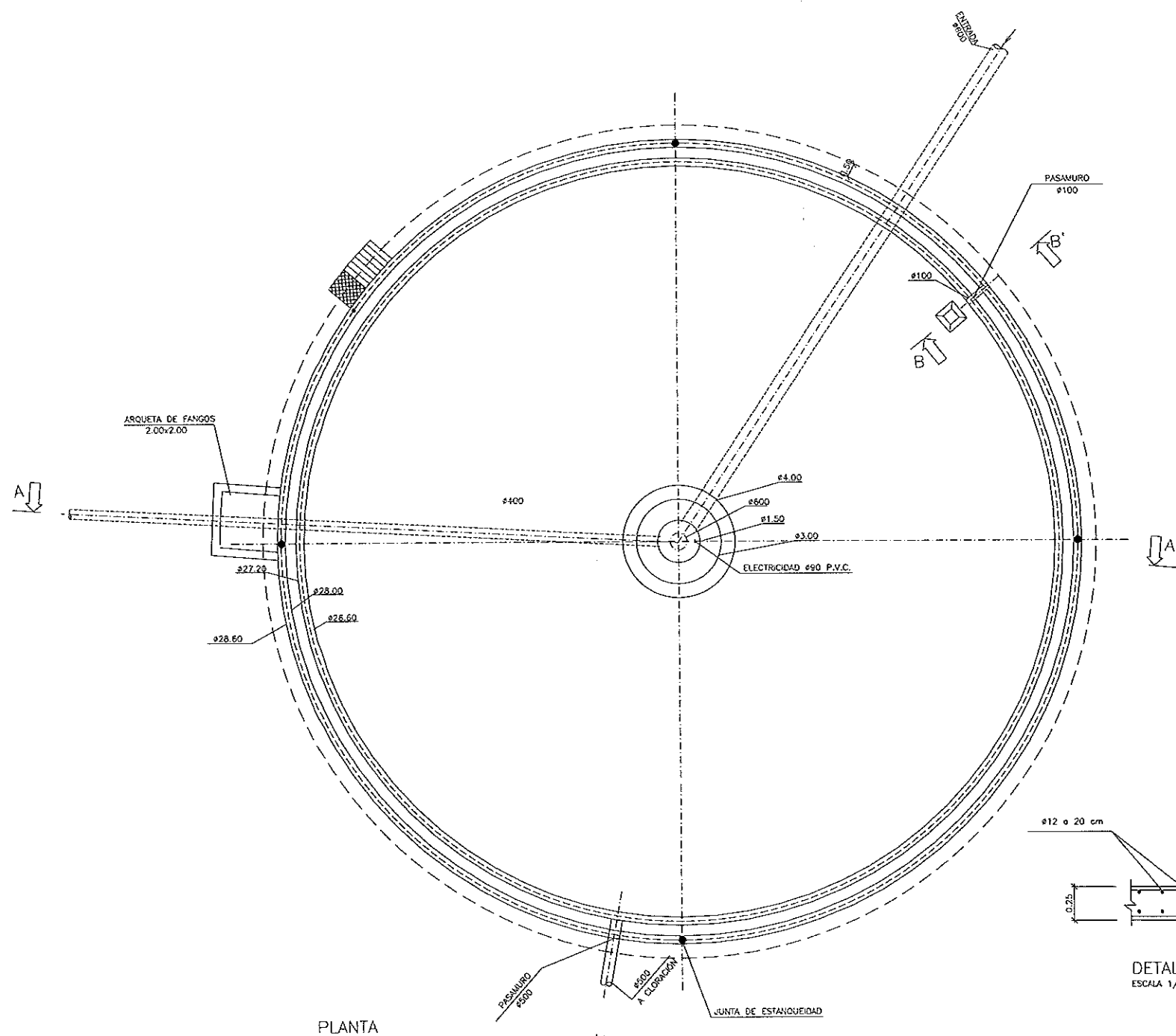
SECCIÓN C - C
ESCALA 1:50



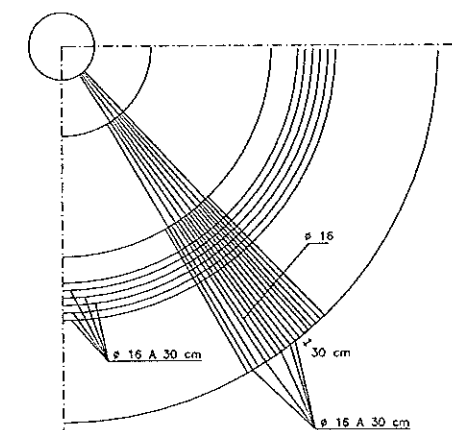
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

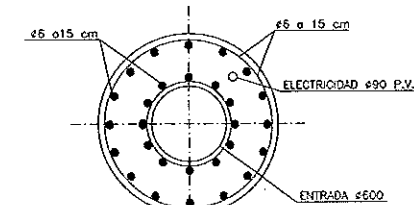




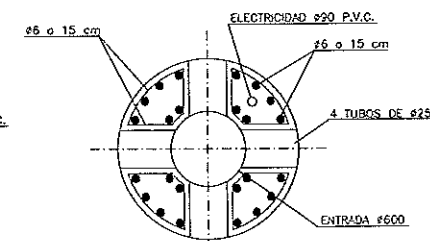
SECCIÓN B-B'
ESCALA 1/50



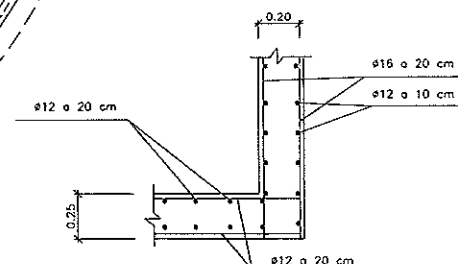
PLANTA ARMADURAS



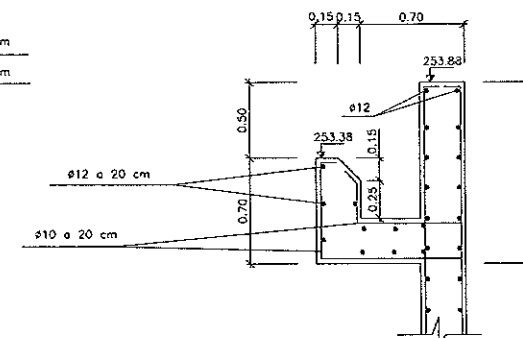
SECCIÓN C - C'
ESCALA 1/25



SECCIÓN E - E'
ESCALA 1/25



DETALLE "3"
ESCALA 1/25

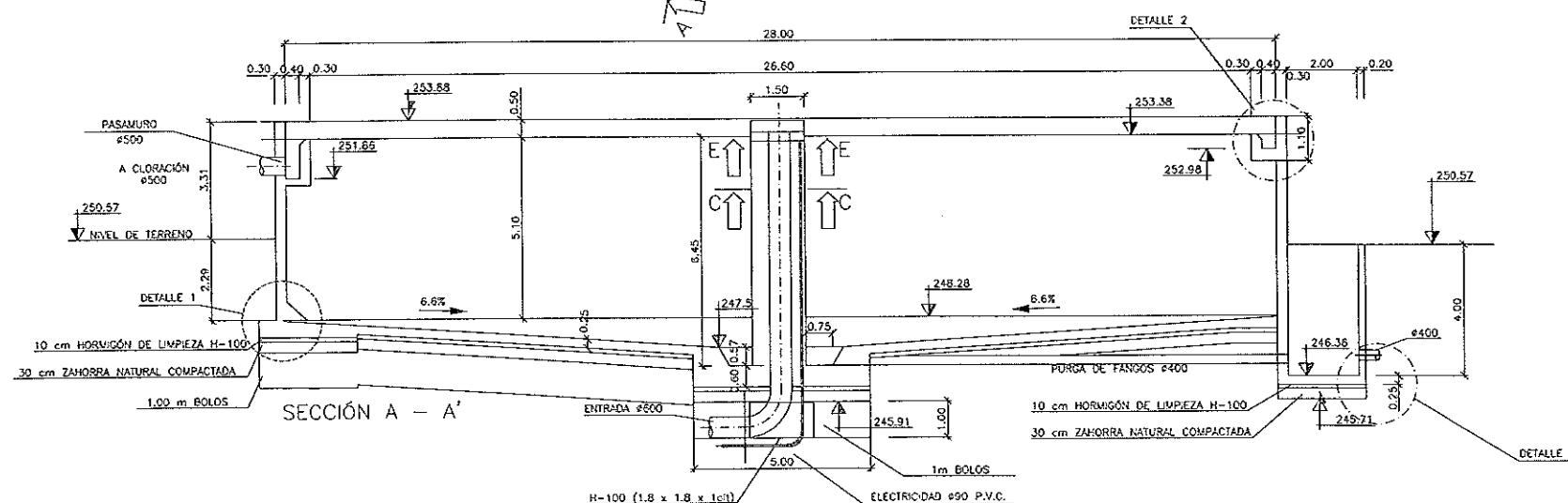


DETALLE "2"
ESCALA 1/25

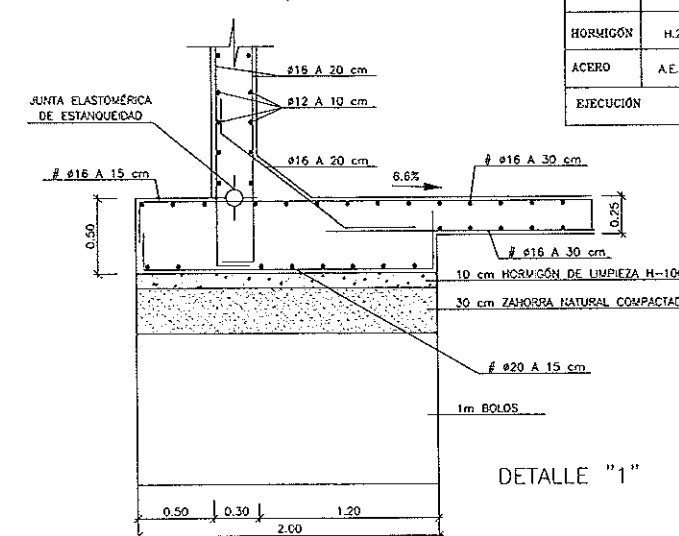
LEYENDA	
	JUNTA DE ESTANQUEIDAD VERTICAL

CONTROL DE CALIDAD

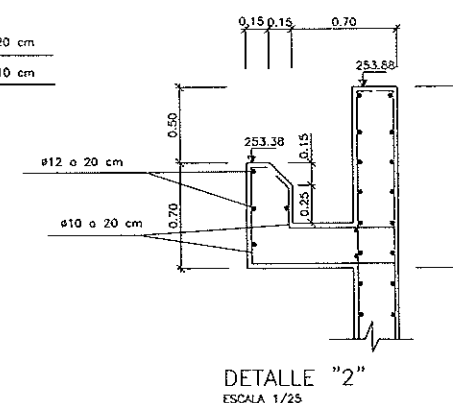
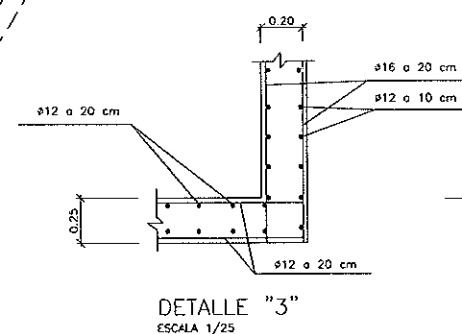
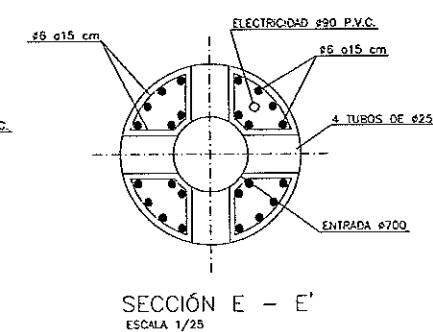
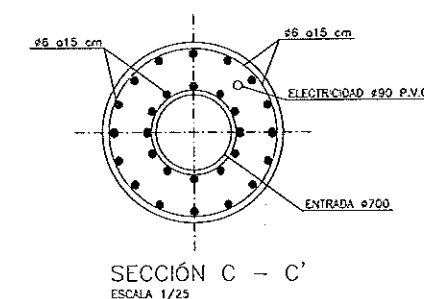
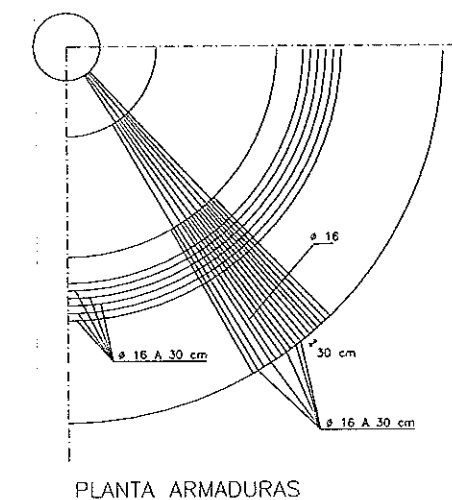
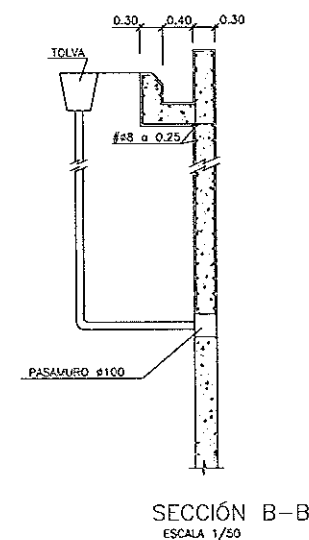
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



SECCIÓN A - A'



DETALLE "1"

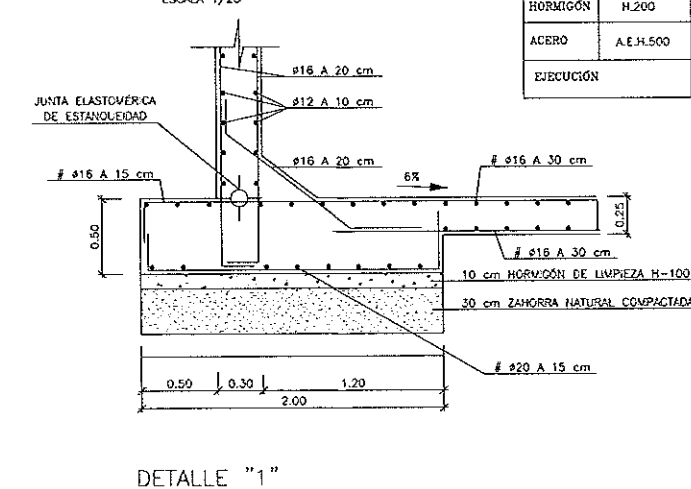
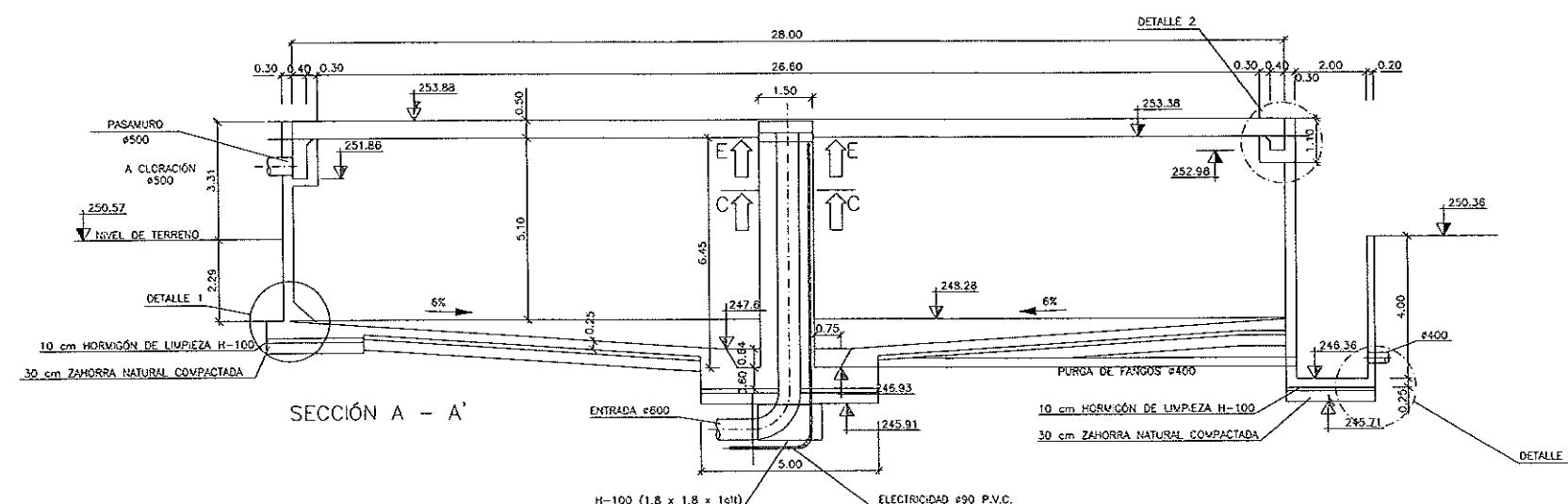


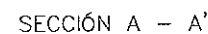
LEYENDA

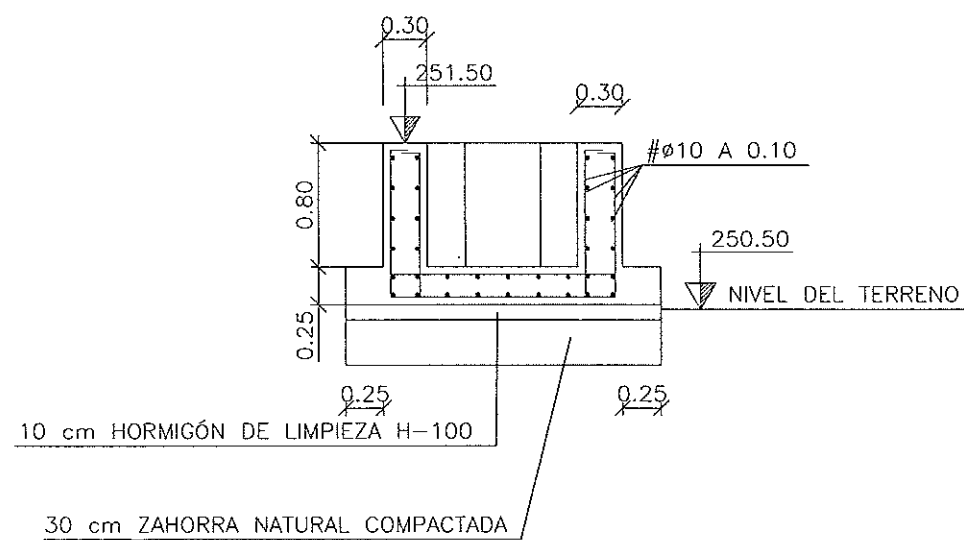
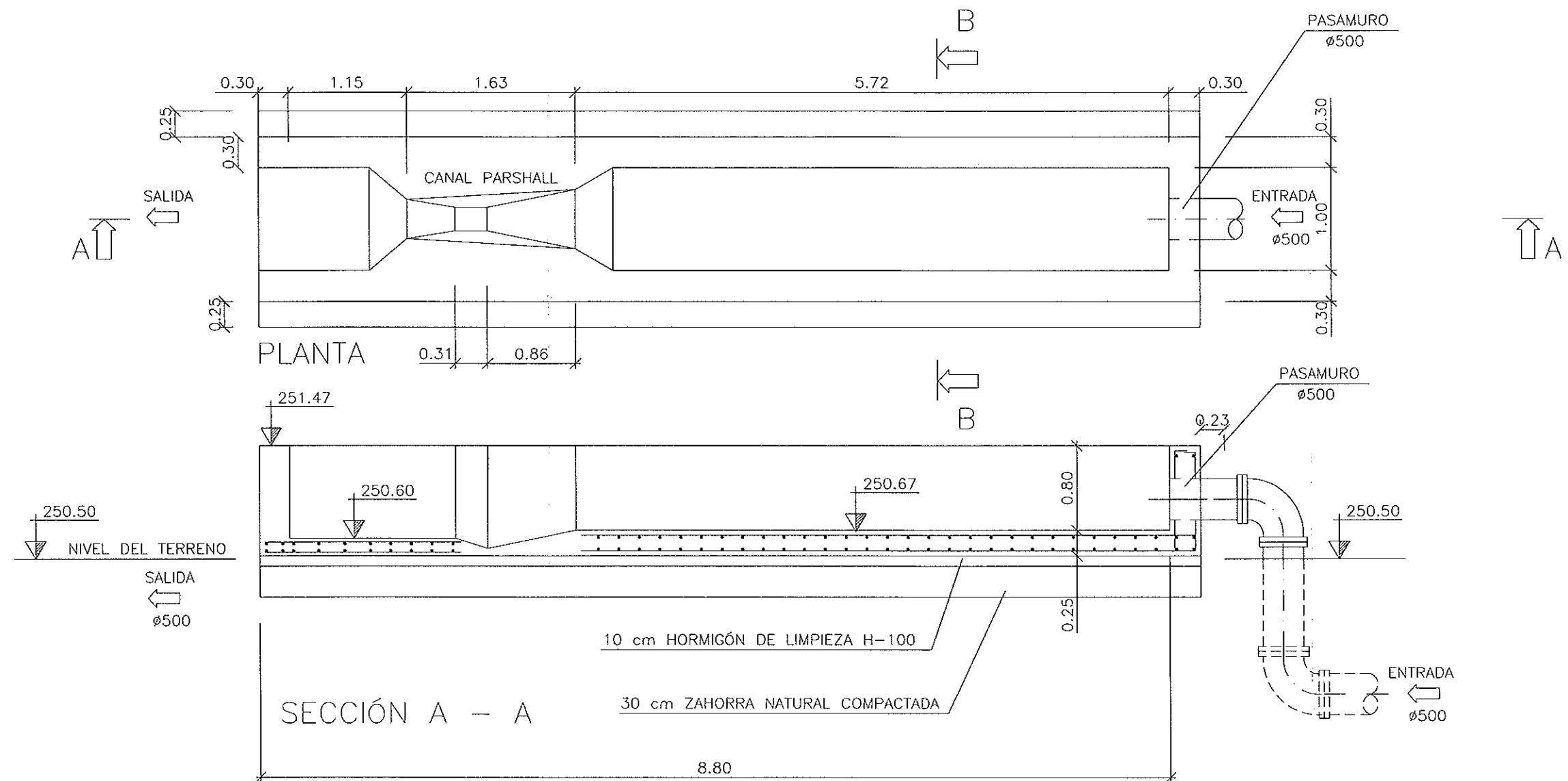
● JUNTA DE ESTANQUEIDAD VERTICAL

CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c = 1,5
ACERO	A.E.H.500	NORMAL	s = 1,1
EJECUCIÓN		NORMAL	f = 1,6



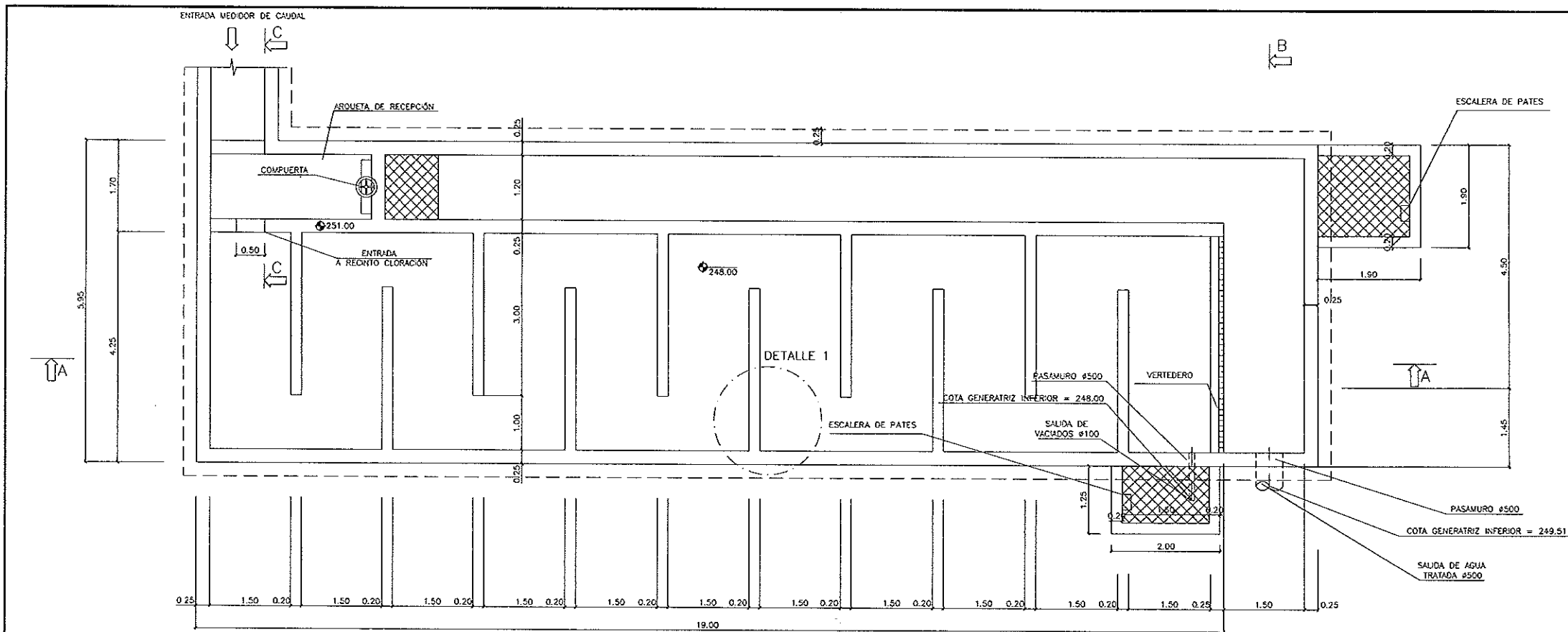




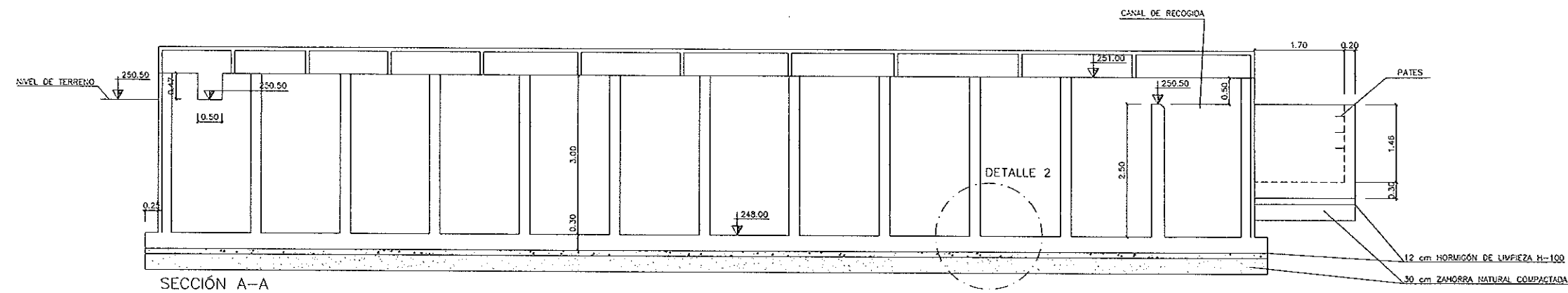
SECCIÓN B - B

CONTROL DE CALIDAD

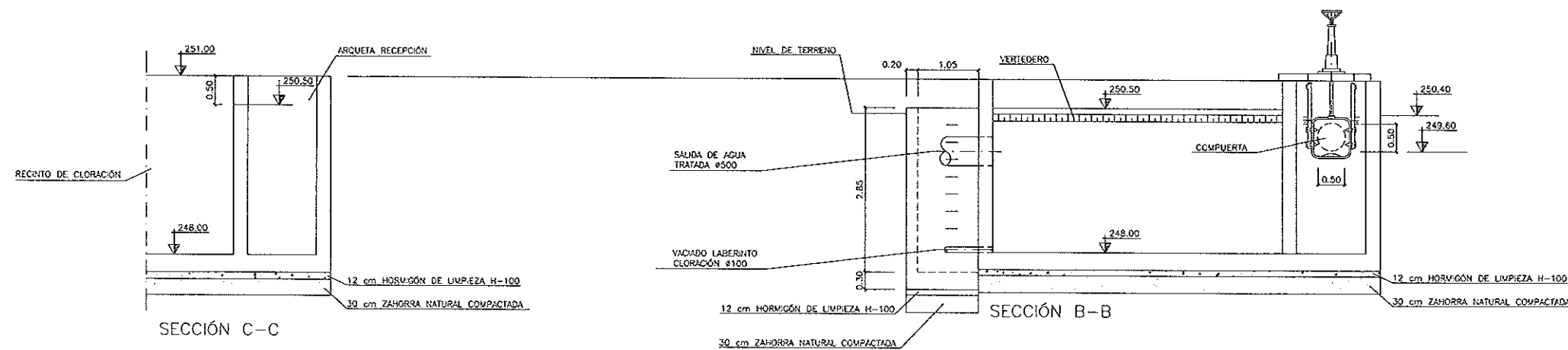
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



PLANTA

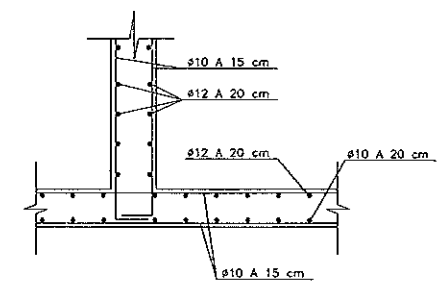


SECCIÓN A-A

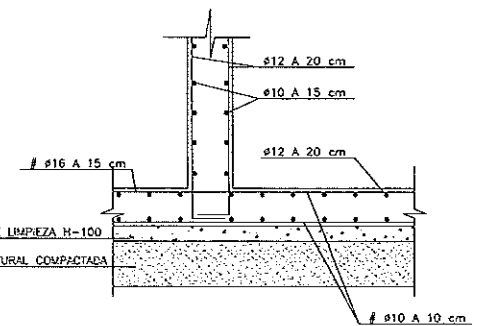


SECCIÓN C-C

SECCIÓN B-B



DETALLE "1"



DETALLE "2"

LEYENDA

CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

CLAVE:
23-Q-06

LIQUIDACIÓN DEL MODIFICADO Nº1

TÍTULO DEL PROYECTO:

**ESTACIÓN DEPURADORA DE AGUAS RESIDUALES DE
BINÉFAR (HUESCA)**

TOMO III

**DOCUMENTO Nº 2 – JUSTIFICANTES
PLANOS**

MAYO DE 2.002

EL INGENIERO AUTOR DEL PROYECTO

DAVID MONTERO MONTERO

U.T.E.

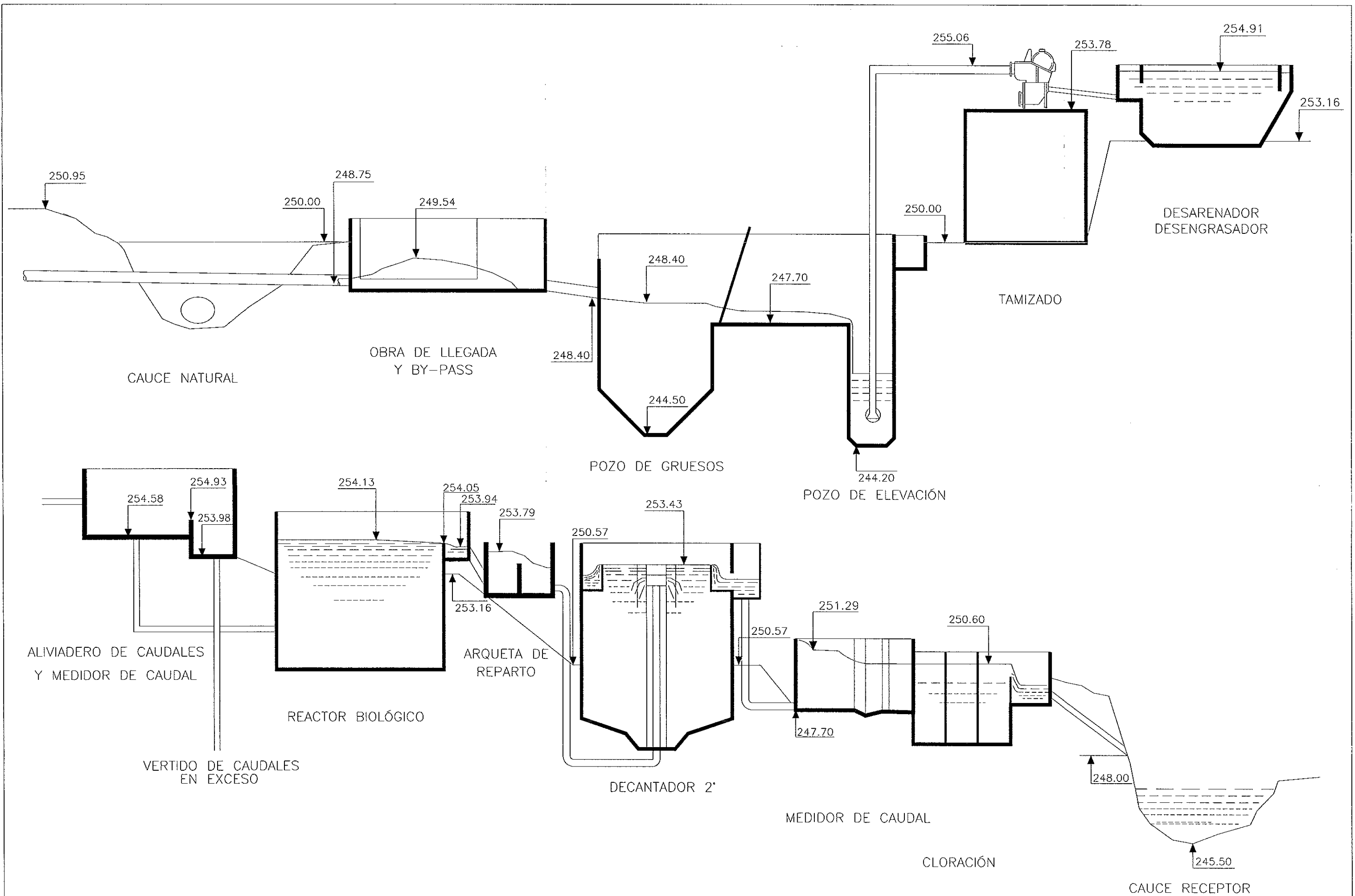
 **acuaestudios, s. a.**
TRATAMIENTO DE AGUAS

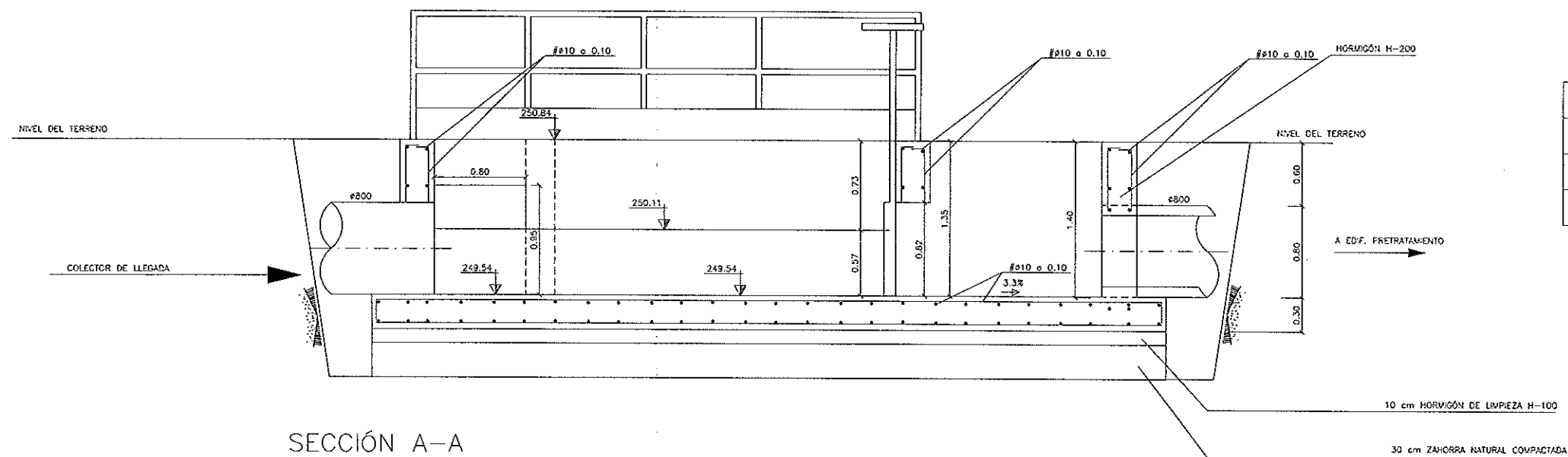
 **VIACRON, S.A.**
EMPRESA CONSTRUCTORA

2.1.- PLANOS

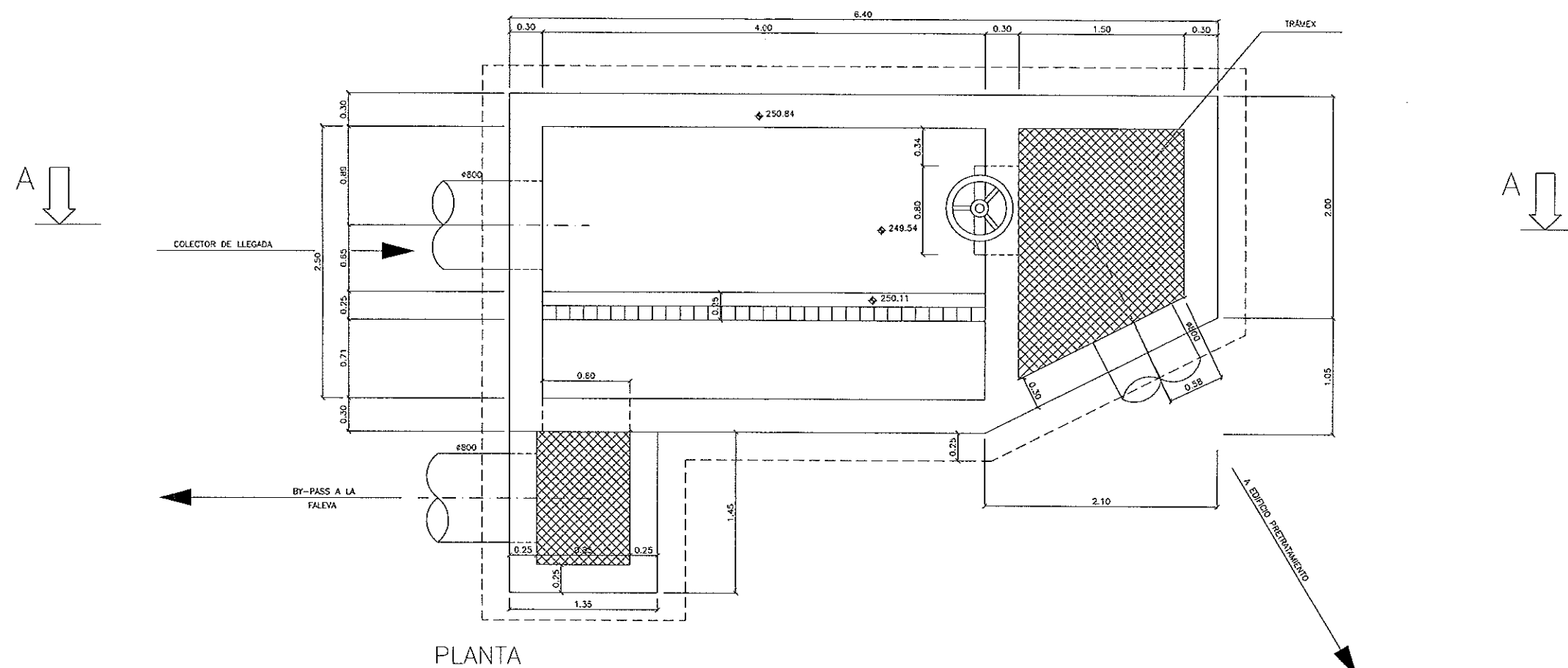
INDÍCE DE PLANOS EDAR BINEFAR (HUESCA)

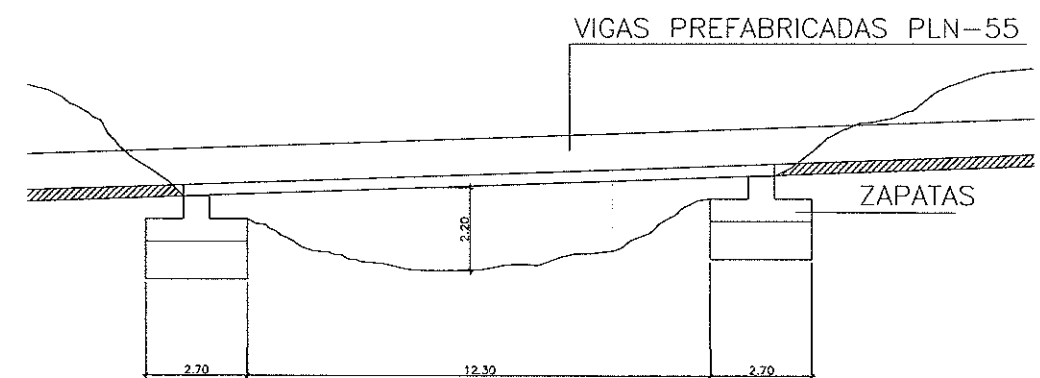
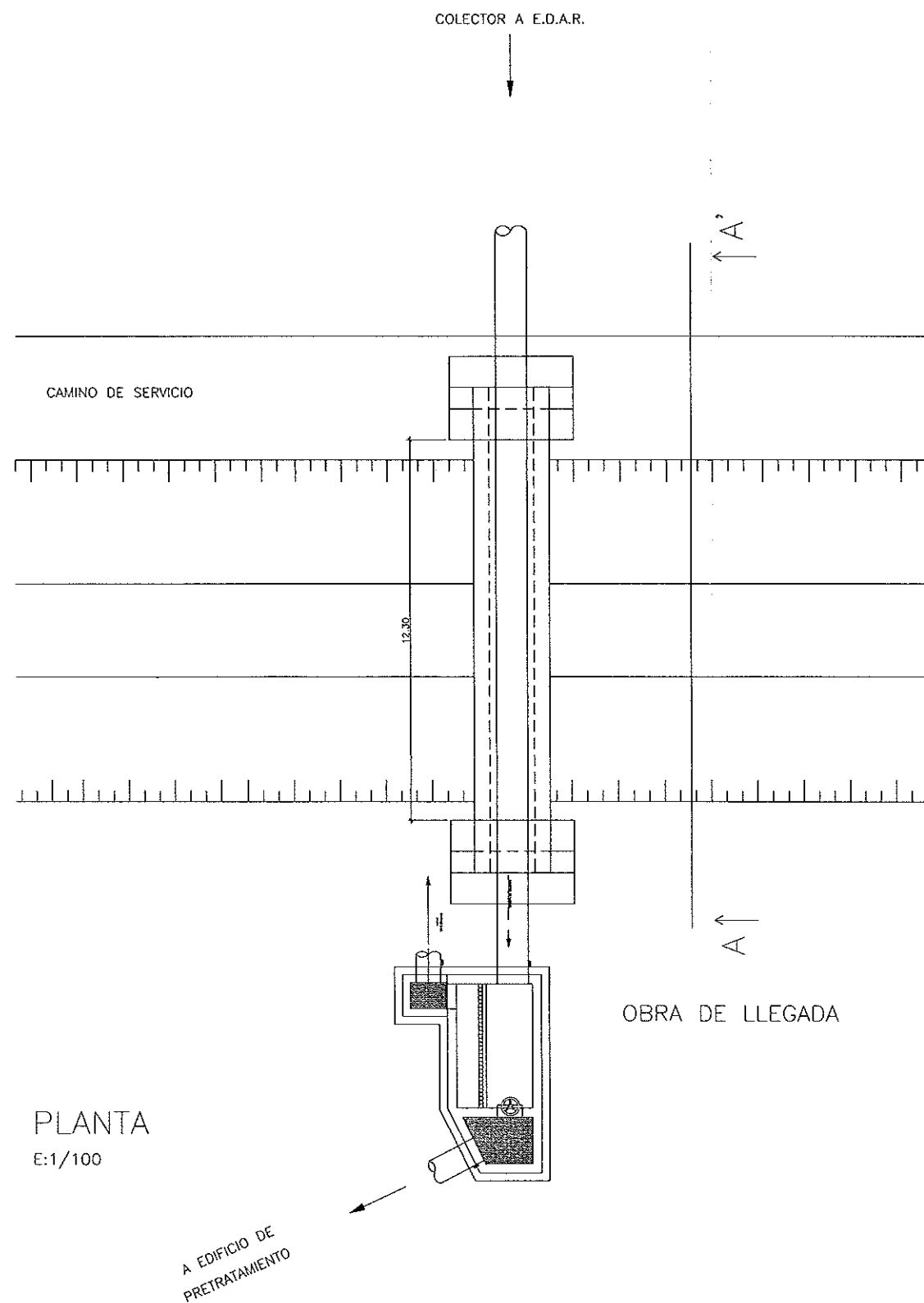
PLANO	DESIGNACIÓN	HOJAS
1	SITUACION	1 plano
2	PLANTA GENERAL	1 plano
3-1	TOPOGRAFÍA; CRUCE CARRETERA A-140	1 plano
3-2	TOPOGRAFÍA; PARCELA E.D.A.R.	1 plano
3-3	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANS. PRECARGA	1 plano
3-4	TOPOGRAFÍA MODIFICADA: PERFILES TANSVERSALES PRECARGA	1 plano
3-5	TOPOGRAFÍA MODIFICADA: PLANTA PERFILES TRANSVERSALES II	1 plano
3-6	TOPOGRAFÍA MODIFICADA: PERFILES TRANSVERSALES II	1 plano
4-1	COLECTOR A E.D.A.R.: TRAZADO EN PLANTA	4 planos
4-2	COLECTOR A E.D.A.R.: PERFIL LONGITUDINAL	5 planos
4-3	COLECTOR A E.D.A.R.: SECCIONES TIPO	1 plano
4-4	COLECTOR A E.D.A.R.: ALIVIADERO 2: SECCIONES	1 plano
4-5	COLECTOR A E.D.A.R.: ALIVIADERO 3: SECCIONES	1 plano
4-6	COLECTOR A E.D.A.R.: SERVICIOS AFECTADOS	4 planos
4-7	COLECTOR A E.D.A.R.: AFECCIONES	5 planos
5	IMPLANTACIÓN GENERAL	1 plano
6	CONDUCCIONES INTERIORES: PLANTA	1 plano
6-2	CONDUCCIONES INTERIORES: LONGITUDINALES	6 planos
7	LÍNEA PIEZOMÉTRICA	1 plano
8-1	OBRA DE LLEGADA: ALIVIADERO Y BY-PASS	1 plano
8-2	OBRA DE LLEGADA: CRUCE COLECTOR DE LA FALVA	2 planos
9	POZO DE GRUESOS Y ELEVACIÓN	2 planos
10	EDIFICIO DE PRETRATAMIENTO	5 planos
11	TAMIZADO	2 planos
12	DESARENADO Y DESENGRASE	5 planos
13	ALIVIADERO Y MEDICIÓN DE CAUDAL	1 plano
14	REACTOR BIOLÓGICO	4 planos
15	ARQUETA DE REPARTO A DECANTACIÓN SECUNDARIA	1 plano
16	DECANTADORES SECUNDARIOS Nº 1 Y Nº 2	4 planos
17	MEDIDOR DE CAUDAL	1 plano
18	LABERINTO DE CLORACIÓN	1 plano
19	ESPESADOR	2 planos
20	POZO DE FANGOS	1 plano
21	POZO DE FLOTANTES	1 plano
22	POZO DE VACIADOS	1 plano
23	EDIFICIOS DE CONTROL, FANGOS Y SOPLANTES	12 planos
24	URBANIZACIÓN	5 planos
25-1	ELECTRICIDAD: CENTRO DE TRANSFORMACIÓN	1 plano
25-2	ELECTRICIDAD B.T.: CUADROS GENERALES DE DISTRIBUCIÓN	varias
25-3	ELECTRICIDAD: CUADROS Y ACOMETIDAS	1 plano
25-4	ELECTRICIDAD: EDIFICIO DE PRETRATAMIENTO ILUM. INTERIOR	1 plano
25-5	ELECTRICIDAD: EDIFICIO DE CONTROL, FANGOS Y SOPLANTES	1 plano
25-6	ELECTRICIDAD: ESQUEMAS ARMARIOS AUTOMATISMOS	varias
26	ESQUEMA DE FUNCIONAMIENTO	6 planos



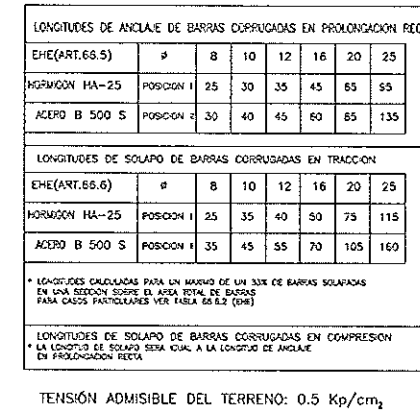


CONTROL DE CALIDAD			
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60





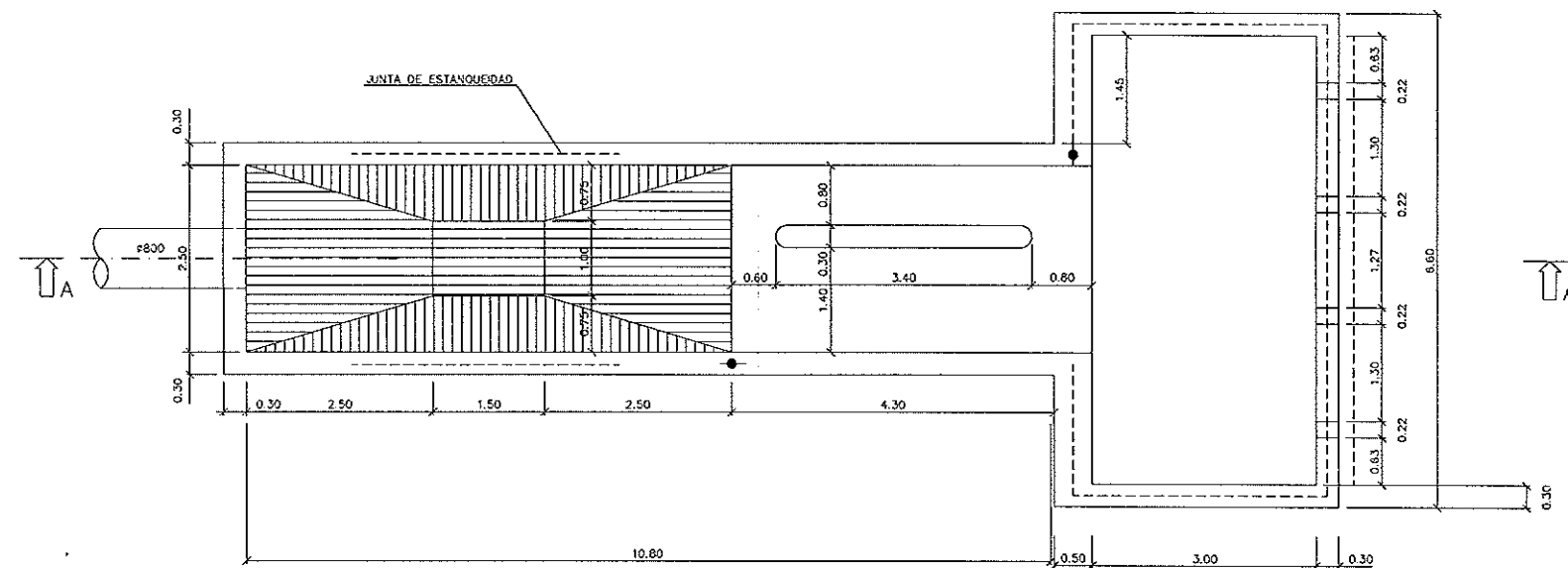
ALZADO A-A'
E:1/100

[illegible]

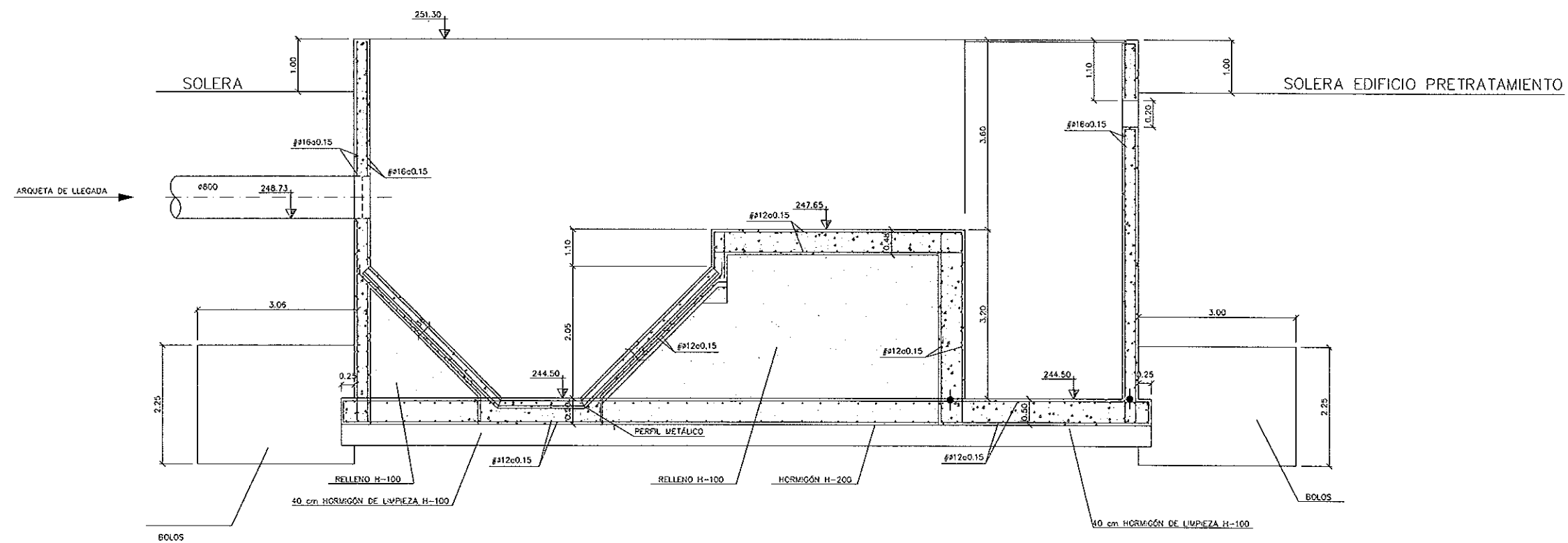
The image contains two technical drawings of a bridge pier structure.

SECCIÓN A-A (Cross-section): This drawing shows the vertical profile of the pier. The total width is 270 units. The pier has a central rectangular opening with a width of 70 units. The height of the pier is 100 units. The top of the pier is supported by a horizontal beam (TUBERÍA Ø800mm) with a height of 60 units. The pier is reinforced with vertical bars (ARMADURA VERTICAL 1Ø12/20cm) and horizontal bars (ARMADURA HORIZONTAL 5Ø20 1Ø12/20cm). The pier is supported by a base of concrete (HORMIGÓN H-100) with a height of 60 units. A scale bar is provided for the cross-section.

PLANTA (Plan View): This drawing shows the top view of the pier. The total width is 270 units, divided into three sections: 100 units on the left, 70 units in the center, and 100 units on the right. The total height is 145 units. The pier is supported by two horizontal beams (TUBERÍA Ø800mm) with a height of 60 units. The pier is reinforced with vertical bars (ARMADURA VERTICAL 1Ø12/20cm) and horizontal bars (ARMADURA HORIZONTAL 5Ø20 1Ø12/20cm). The pier is supported by a base of concrete (HORMIGÓN H-100) with a height of 60 units. A scale bar is provided for the plan view.



PLANTA



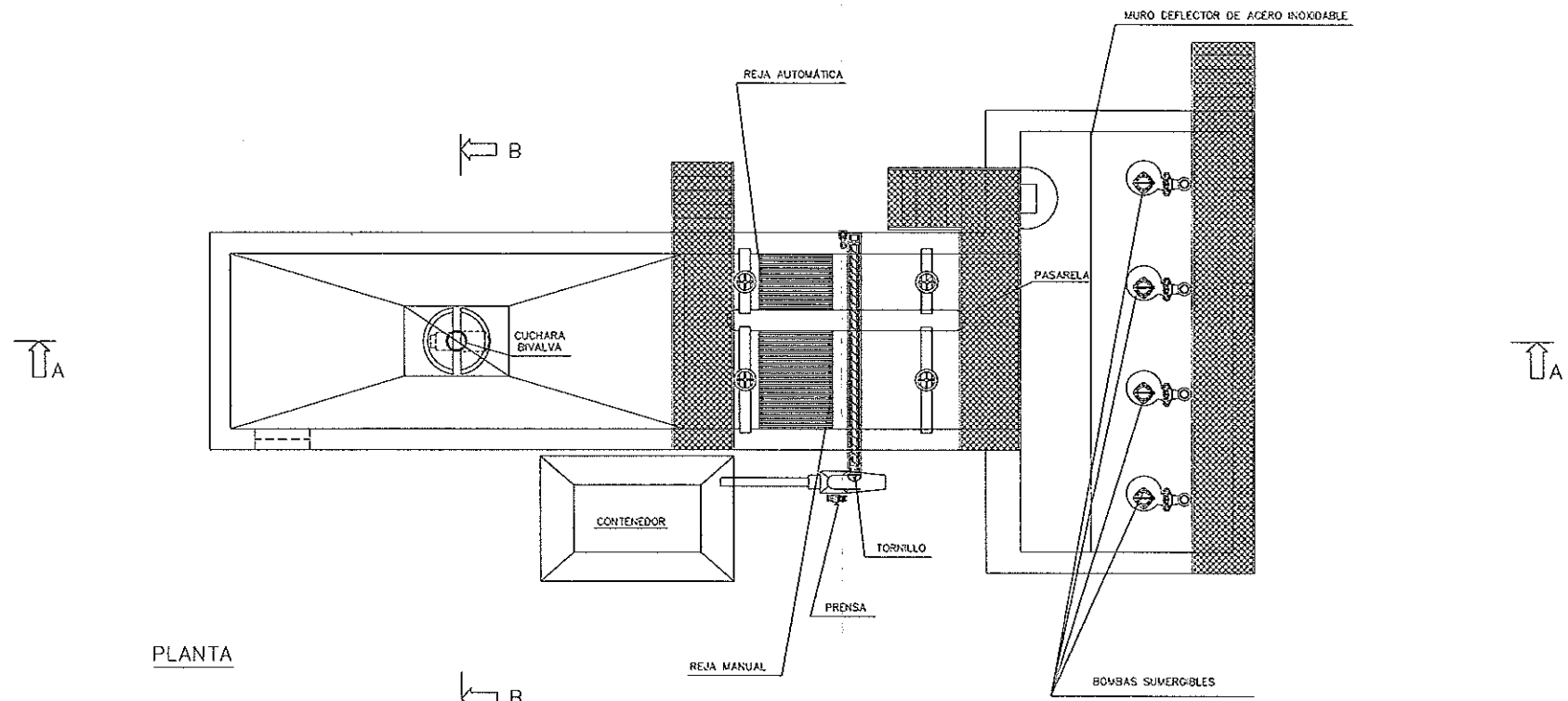
SECCIÓN A - A

LEYENDA

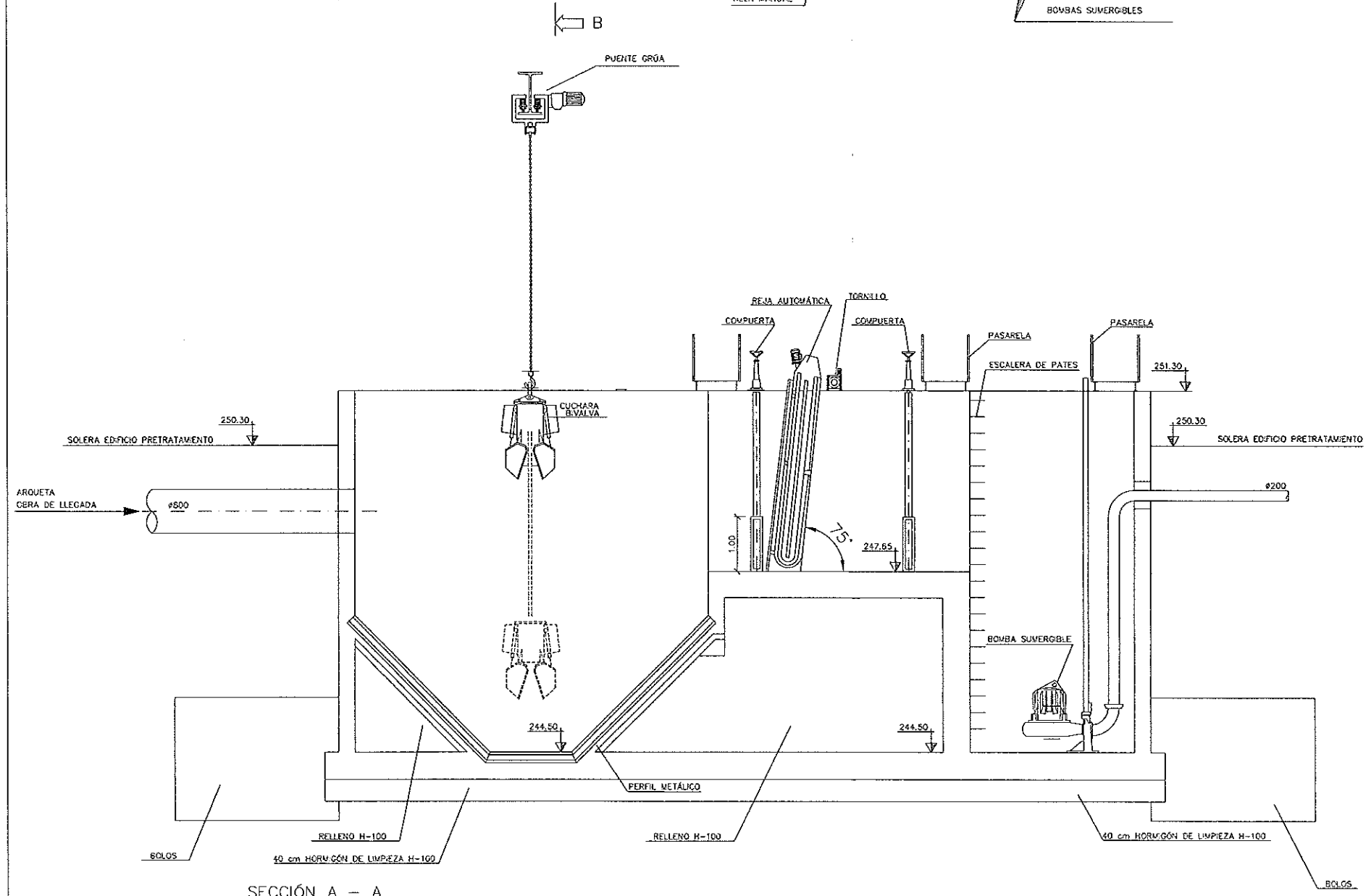
● JUNTA DE ESTANQUEIDAD VERTICAL

CONTROL DE CALIDAD

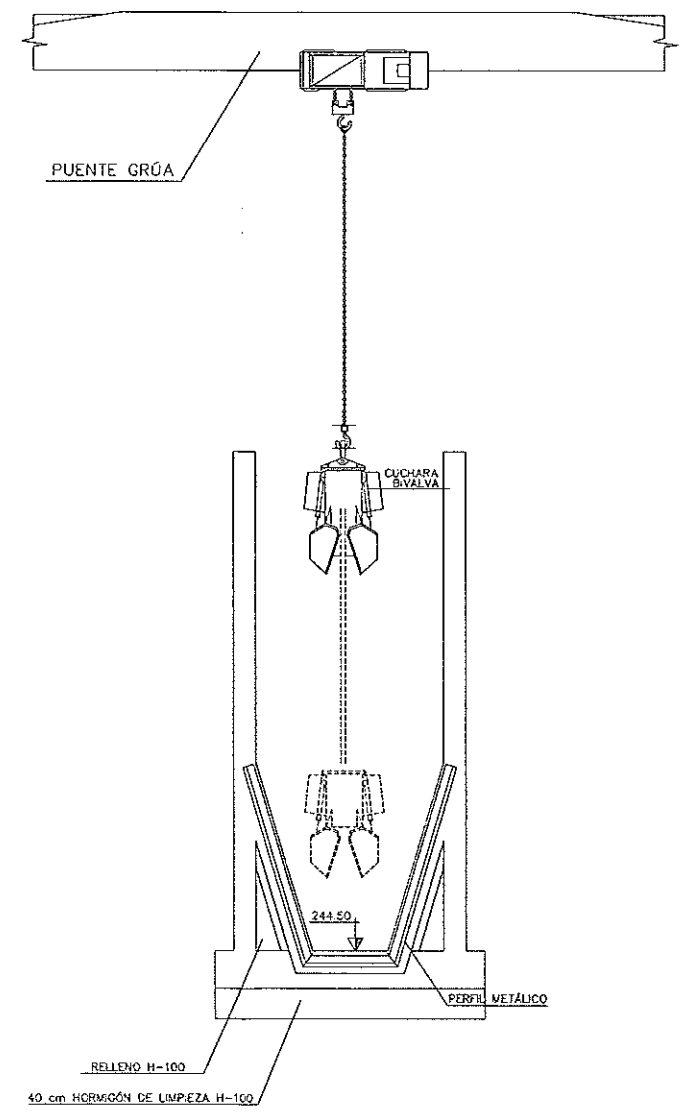
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



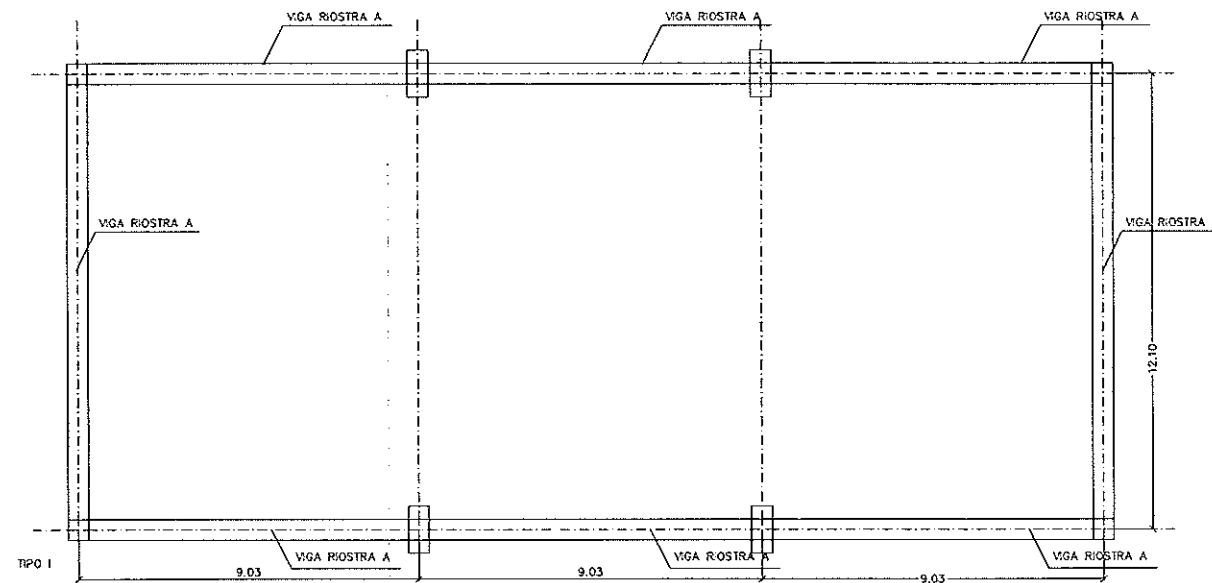
PLANTA



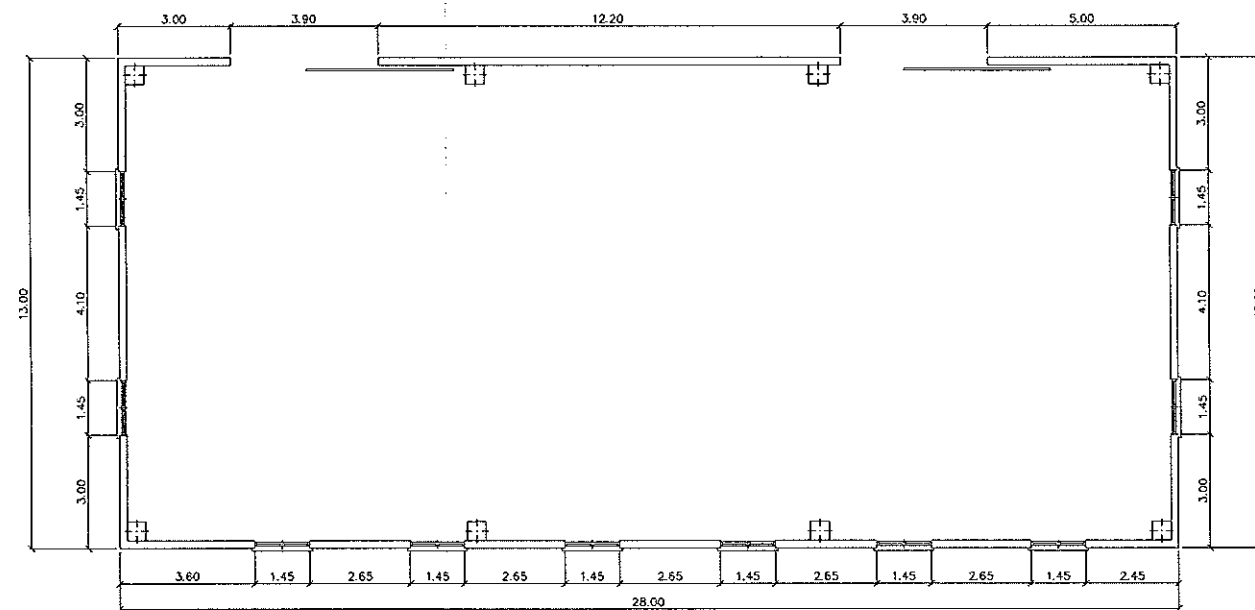
SECCIÓN A - A



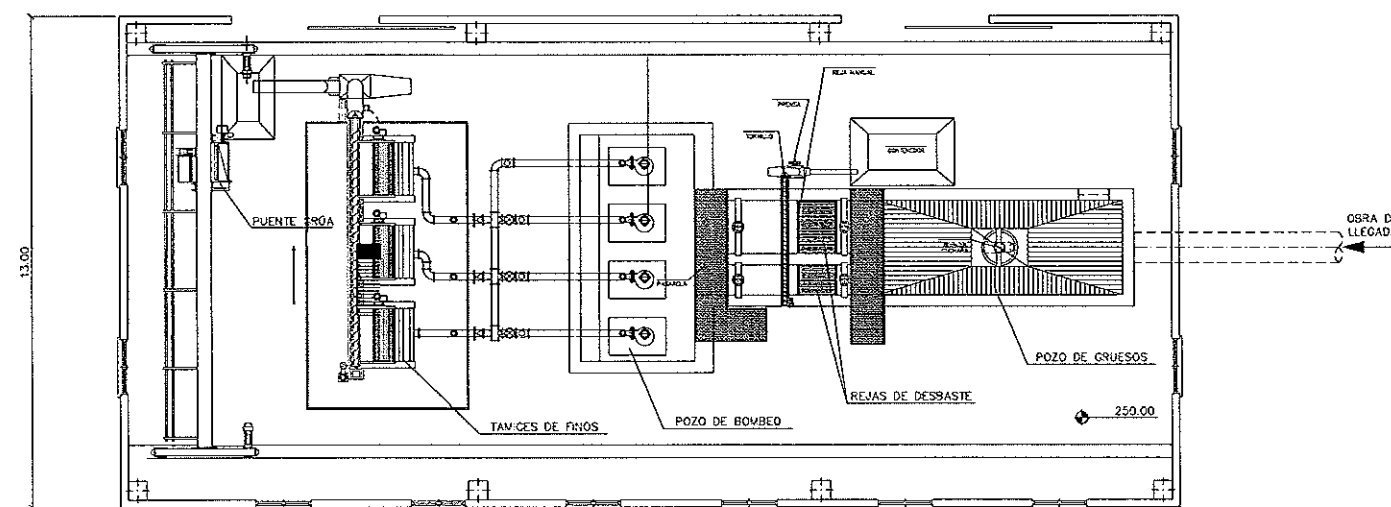
SECCIÓN B - B



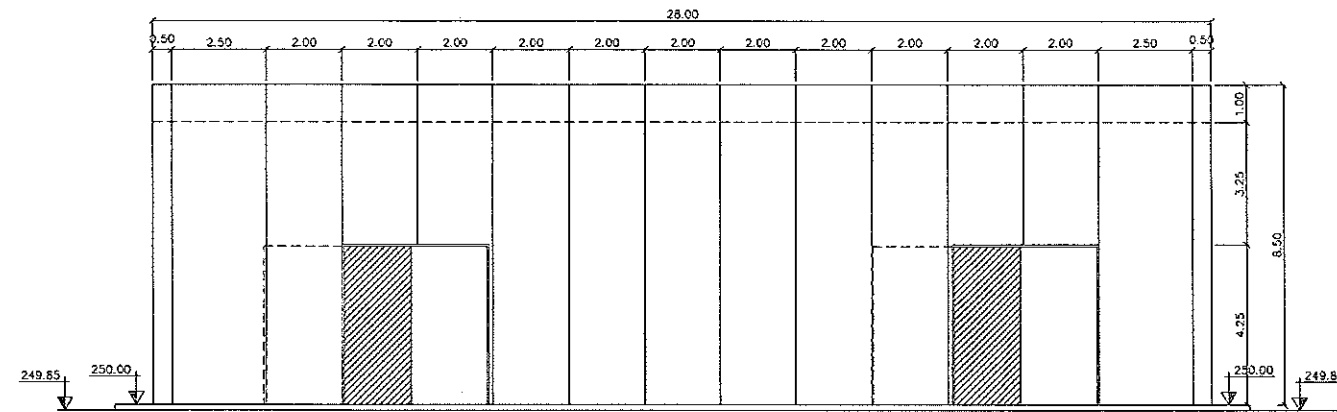
CIMENTACIÓN



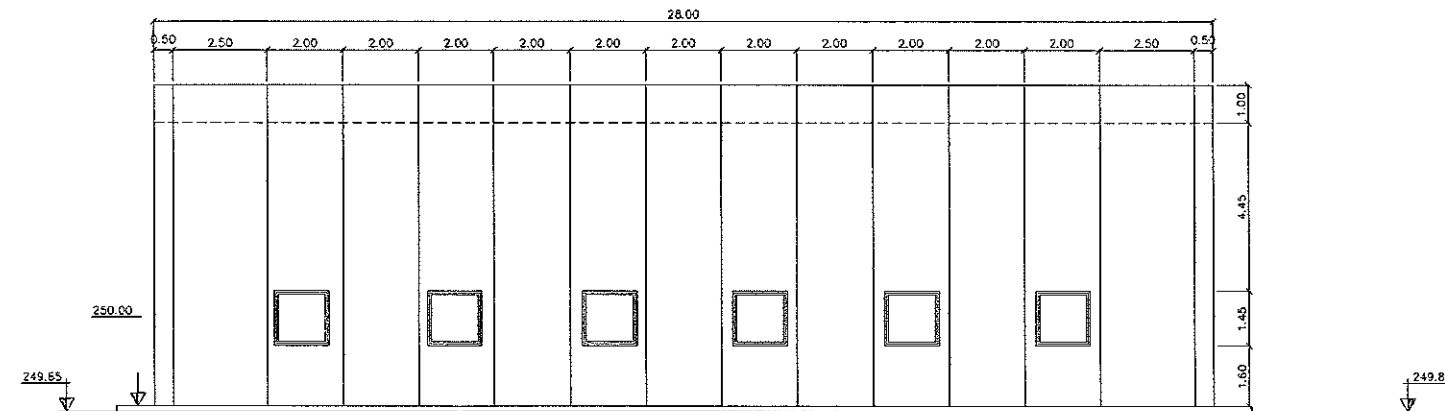
PLANTA



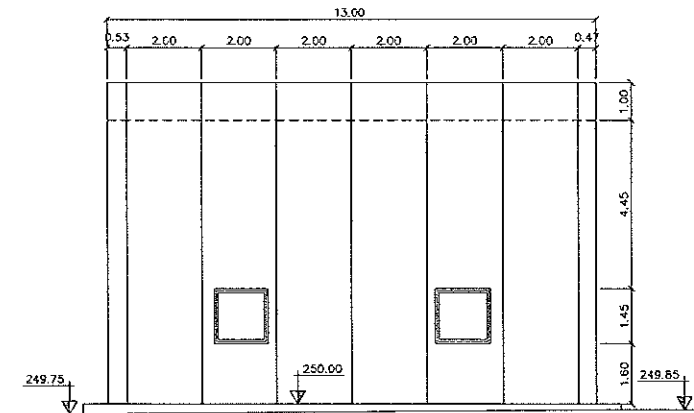
PLANTA EQUIPOS



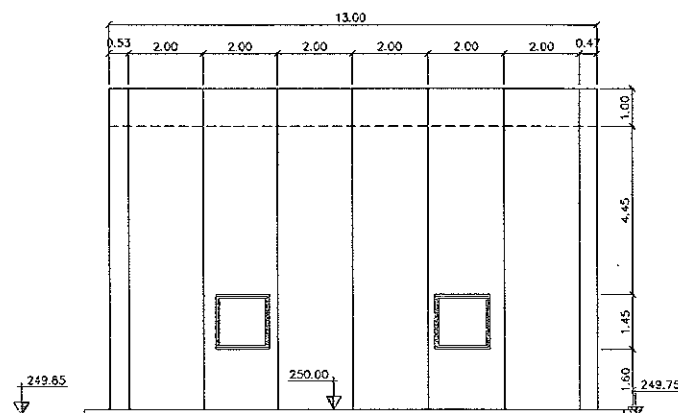
ALZADO "A"



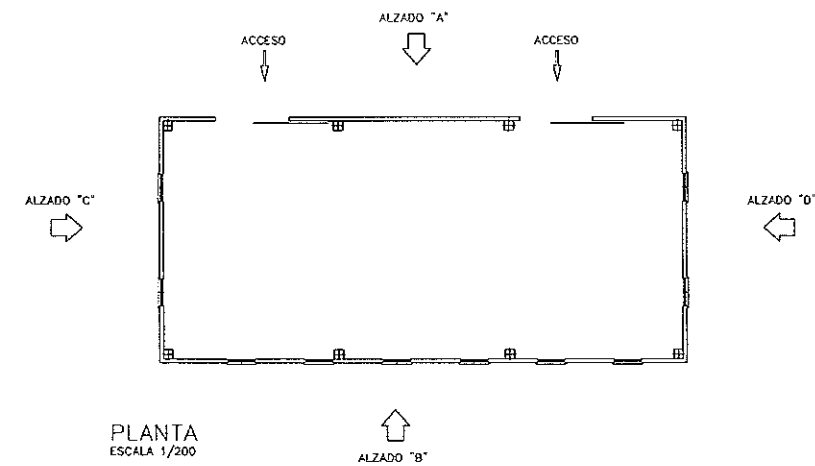
ALZADO "B"



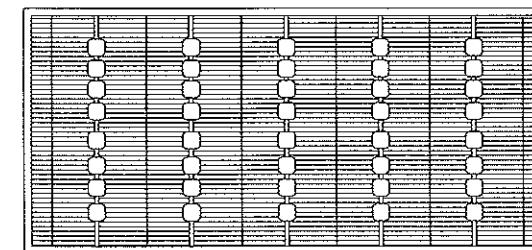
ALZADO "C"



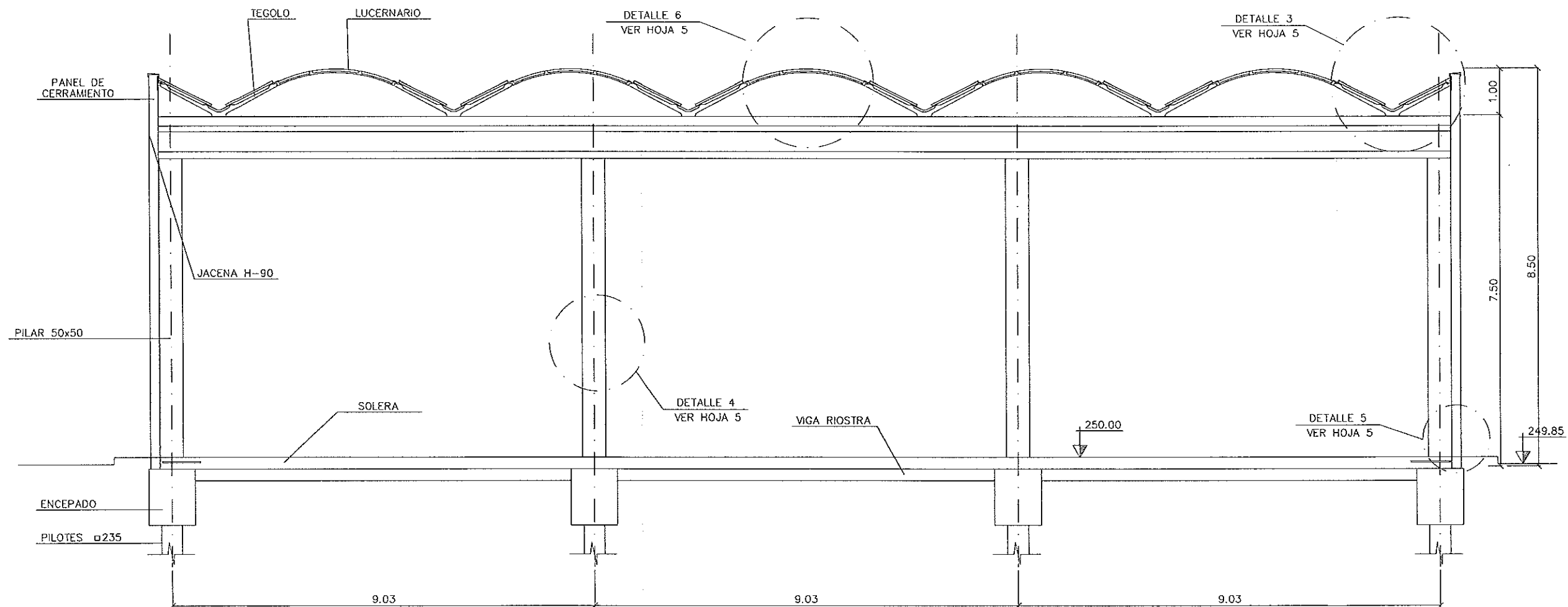
ALZADO "D"



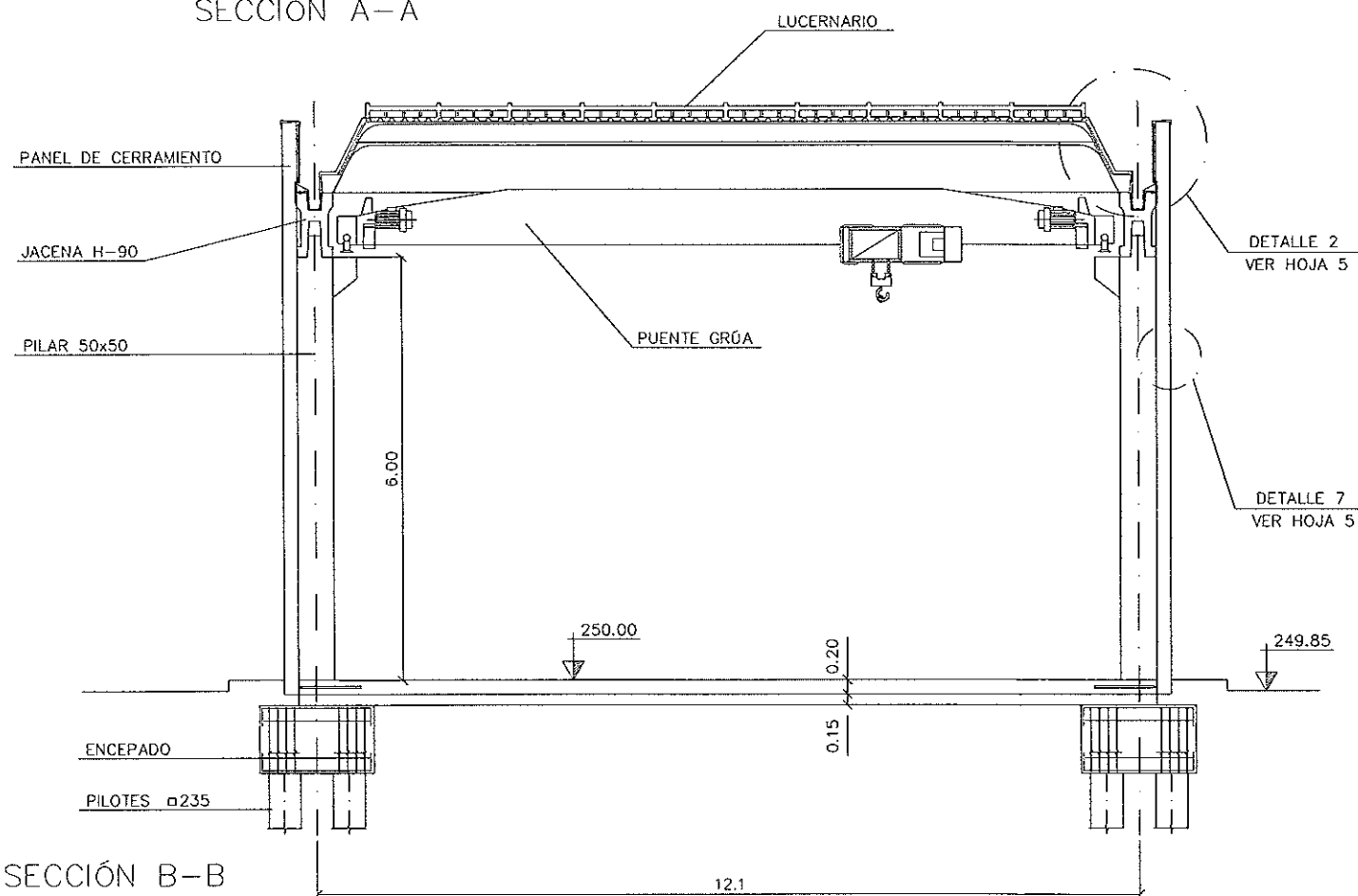
PLANTA
ESCALA 1/200



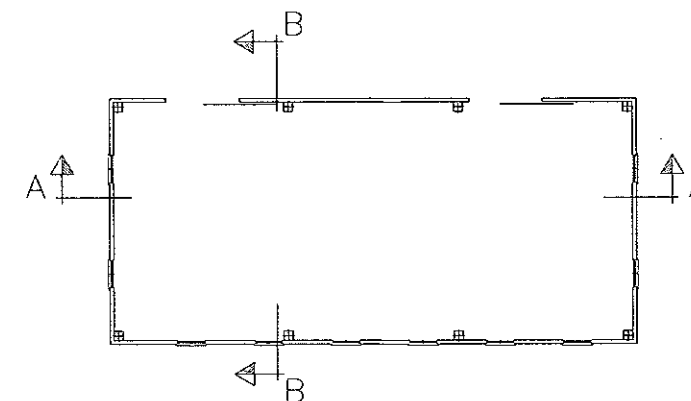
PLANTA DE CUBIERTAS
ESCALA 1/200



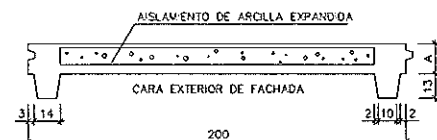
SECCIÓN A-A



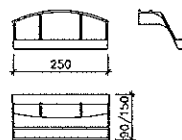
SECCIÓN B-B



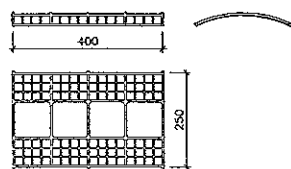
PLANO LLAVE



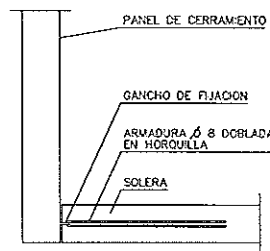
ESPEJOR (A) = 12 Y 16 cm.
SECCIÓN DE PANEL NERVADO N-12/16
ESCALA 1:20
COTAS EN CENTÍMETROS



ELEMENTO TERMINAL
ESCALA 1:100
COTAS EN CENTÍMETROS



DETALLE 6
CURVA CON LUCERNARIO
ESCALA 1:100
COTAS EN CENTÍMETROS

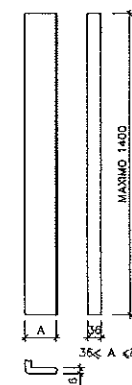
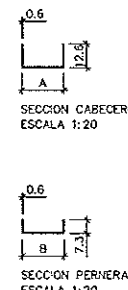


DETALLE 5
UNION DE VIGA ZOCALO A SOLERA
ESCALA 1:20

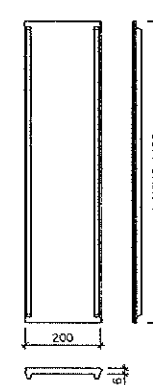
ANCHO PANEL	A	B
16	18.4	18
20	22.4	22
24	26.4	26



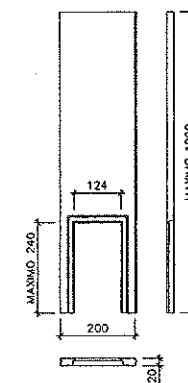
PREMARCO PARA HUECO DE 4 m.
COTAS EN CENTÍMETROS



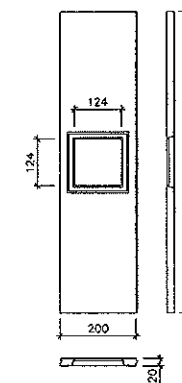
CANTONERA PARA N-16
ESCALA 1:100
COTAS EN CENTÍMETROS



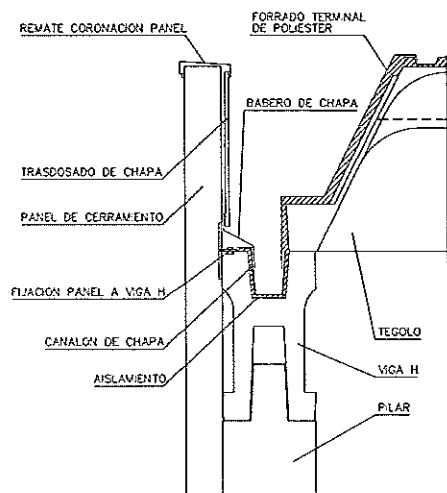
DETALLE 7
PANEL NERVADO N-16
ESCALA 1:100
COTAS EN CENTÍMETROS



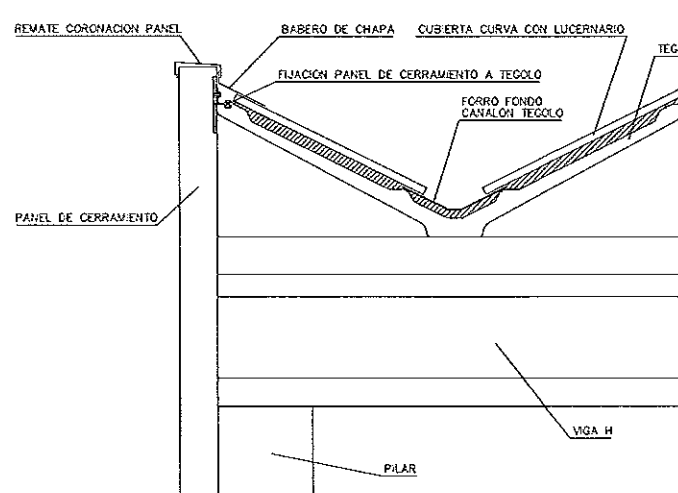
NOTA: AISLADO CON ARCILLA EXPANDIDA, POLIESTIRENO EXPANDIDO O AISLAMIENTO CONTINUO.
L-20/LT-20 CON PUERTA
ESCALA 1:100
COTAS EN CENTÍMETROS



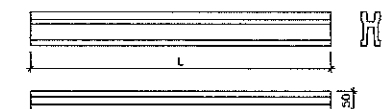
NOTA: AISLADO CON ARCILLA EXPANDIDA, POLIESTIRENO EXPANDIDO O AISLAMIENTO CONTINUO.
L-20/LT-20 CON VENTANA
ESCALA 1:100
COTAS EN CENTÍMETROS



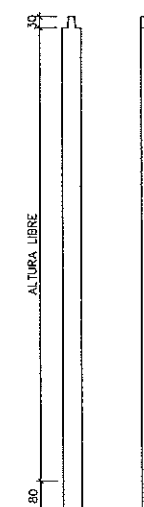
DETALLE 2
APOYO SOBRE VIGA H Y FIJACIÓN PANEL
ESCALA 1:20



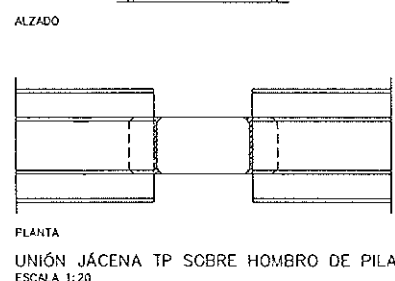
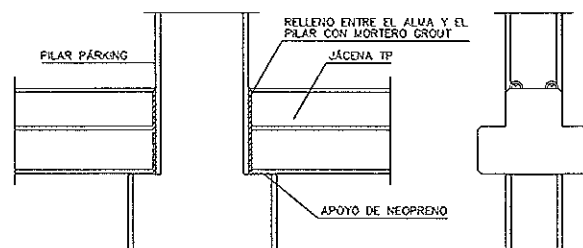
DETALLE 3
FIJACIÓN PANEL A TEGOLO
ESCALA 1:20



JACENA H-90
ESCALA 1:100
COTAS EN CENTÍMETROS



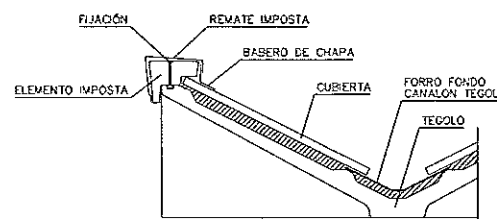
DETALLE 4
PILAR 50x50 cm. PARA H-90
ESCALA 1:100
COTAS EN CENTÍMETROS



UNIÓN JACENA TP SOBRE HOMBRO DE PILAR
ESCALA 1:20

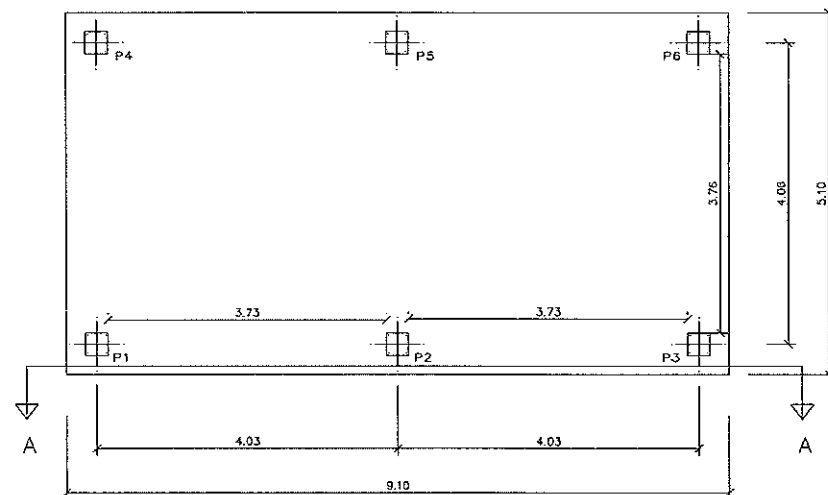


ELEMENTO IMPOSTA
ESCALA 1:20
COTAS EN CENTÍMETROS

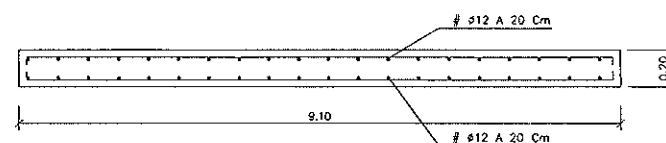


NOTA: EN AQUELLOS CASOS QUE NO SE DISPONGA DE CERRAMIENTO PREFABRICADO, DEBERA CONTRAPESARSE EL BORDE LIBRE CON ELEMENTOS TIPO IMPOSTA.

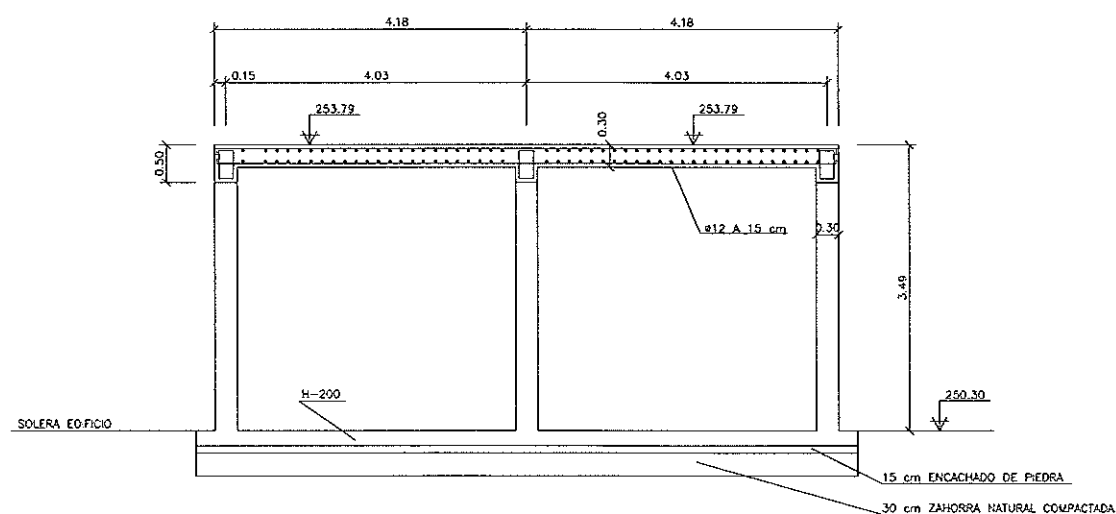
FIJACIÓN ELEMENTO IMPOSTA
ESCALA 1:20



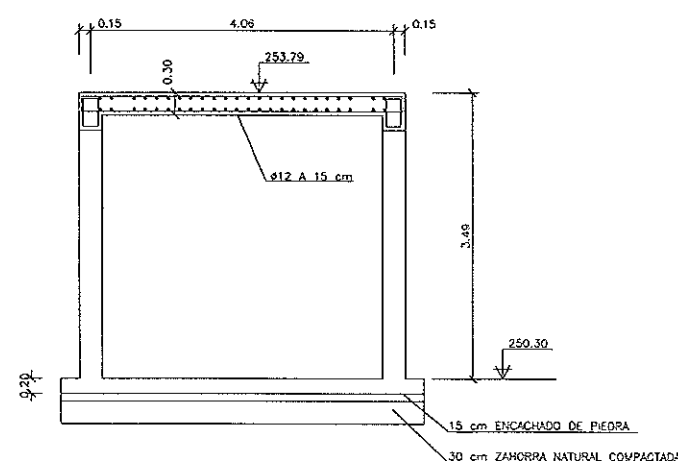
PLANTA DE CIMENTACIÓN



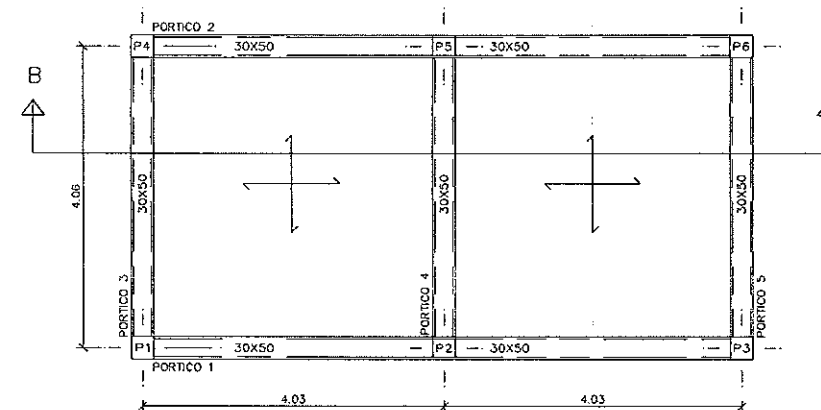
SOLERA SECCIÓN A-A
ESCALA 1:25



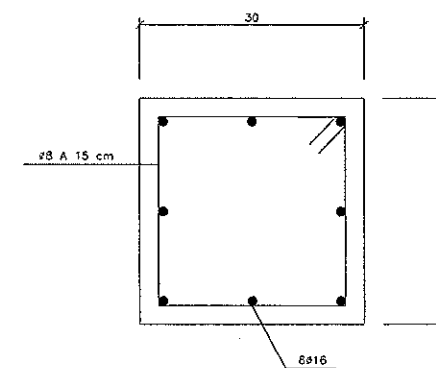
SECCIÓN B-B'



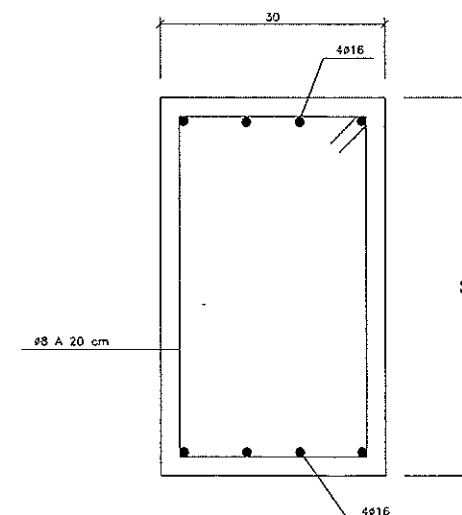
ALZADO LATERAL



PLANTA ESTRUCTURA



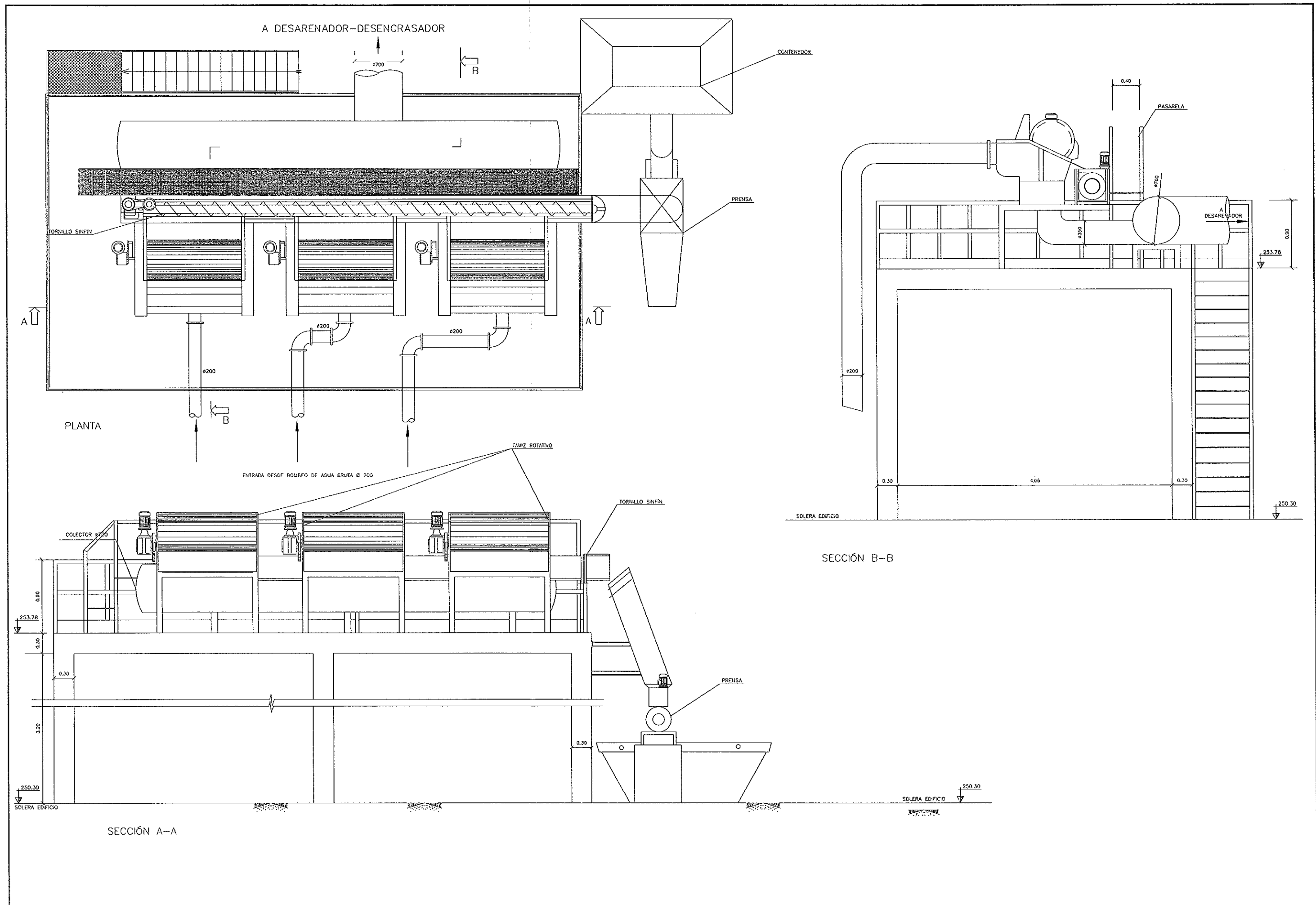
SECCIÓN PILARES

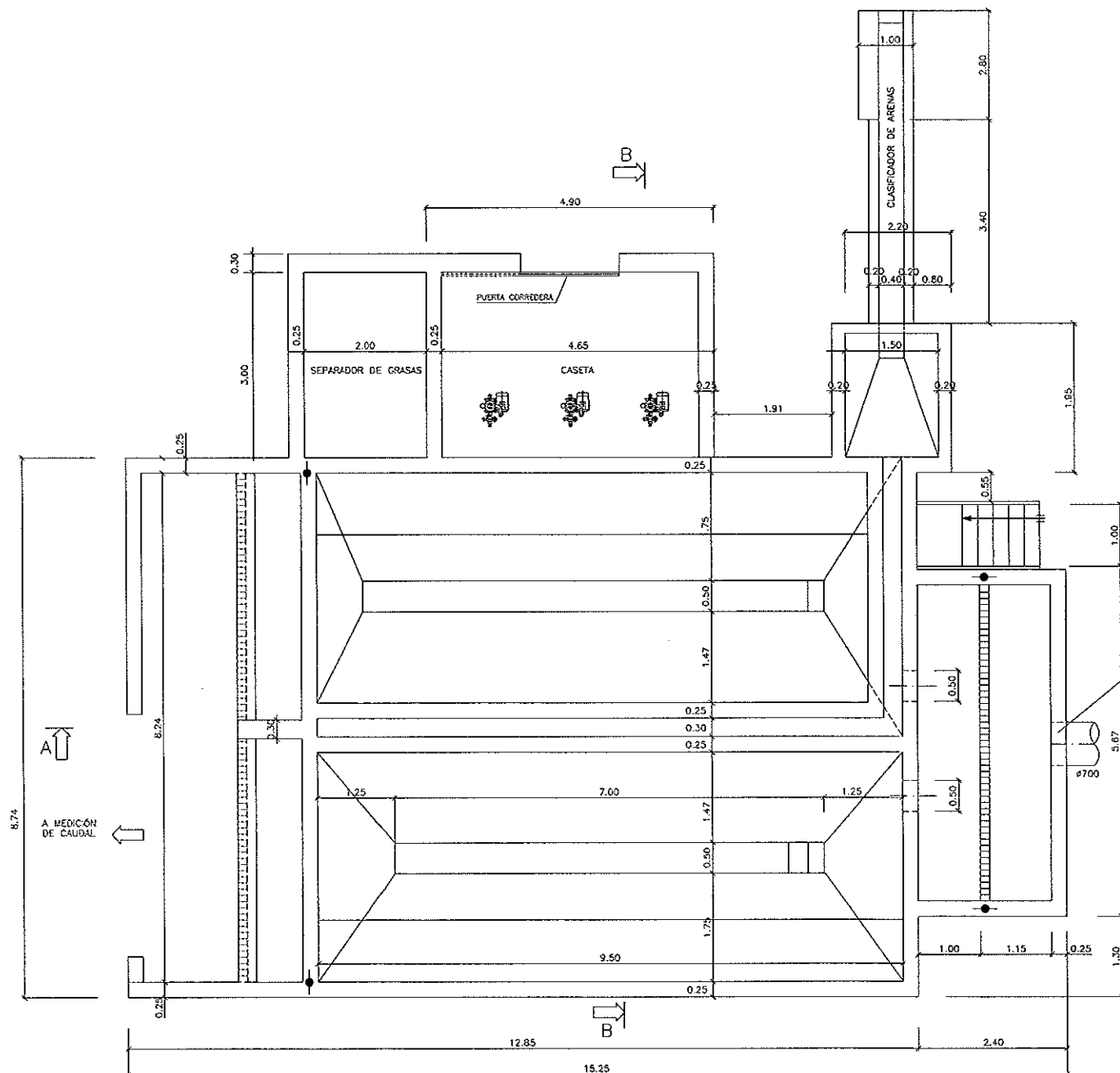


SECCIÓN VIGAS

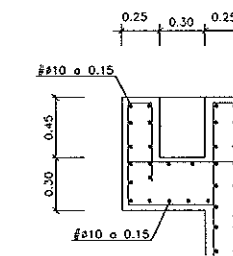
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

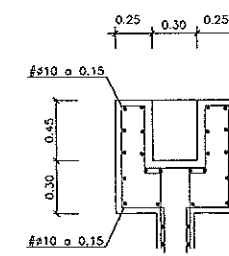




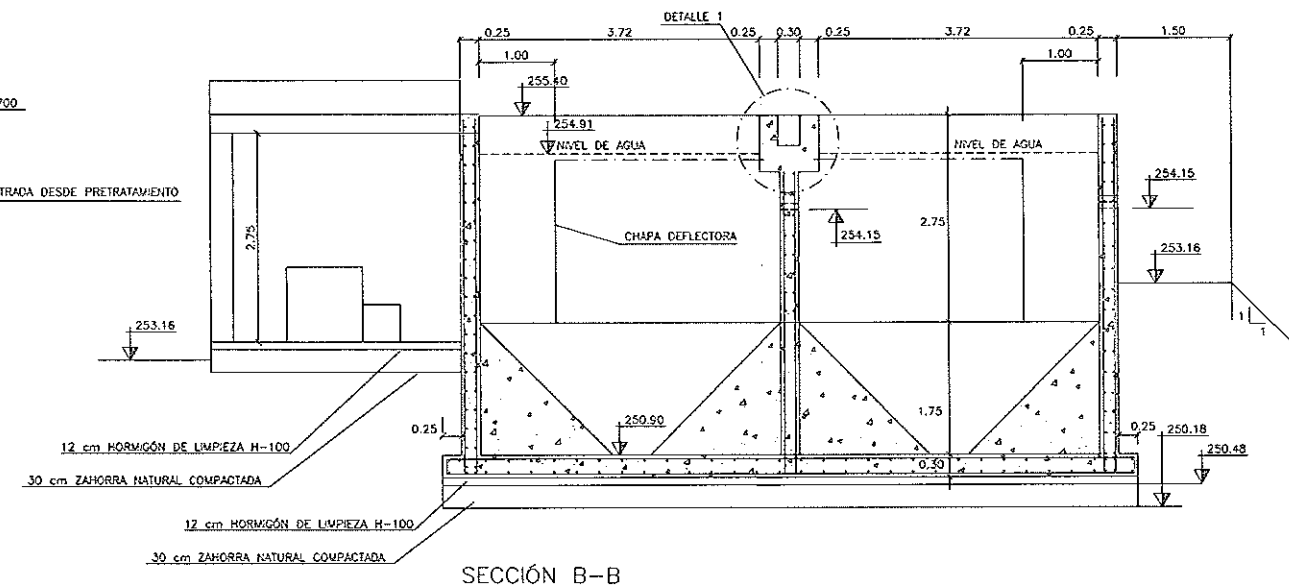
PLANTA



DETALLE 2
ESCALA 1/25



DETALLE 1
ESCALA 1/25



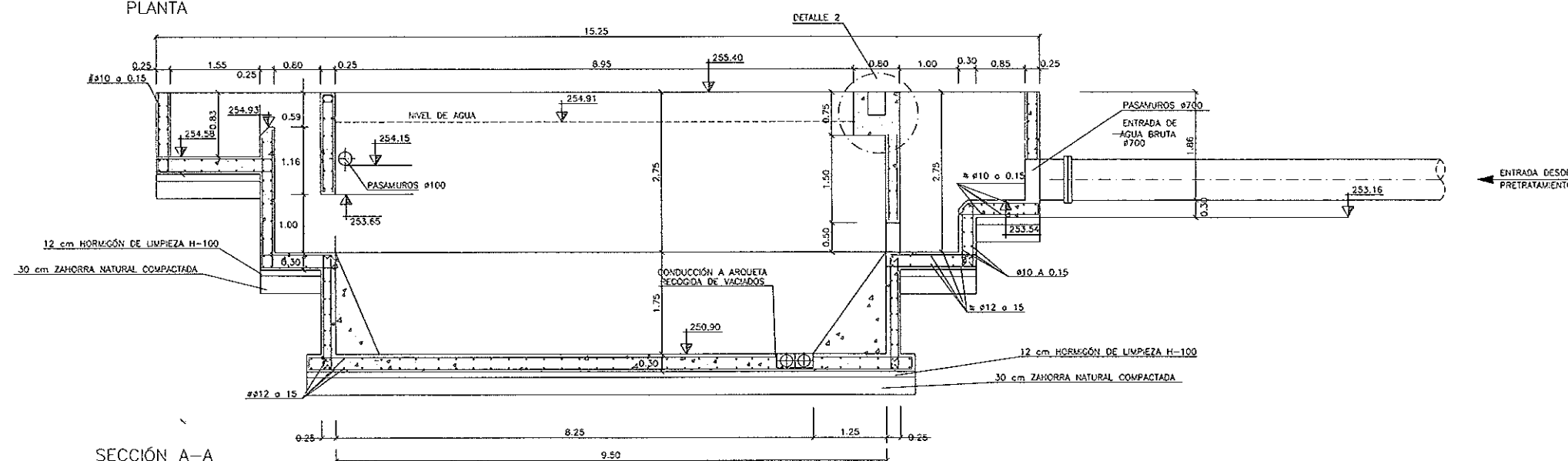
SECCIÓN B-B

LEYENDA

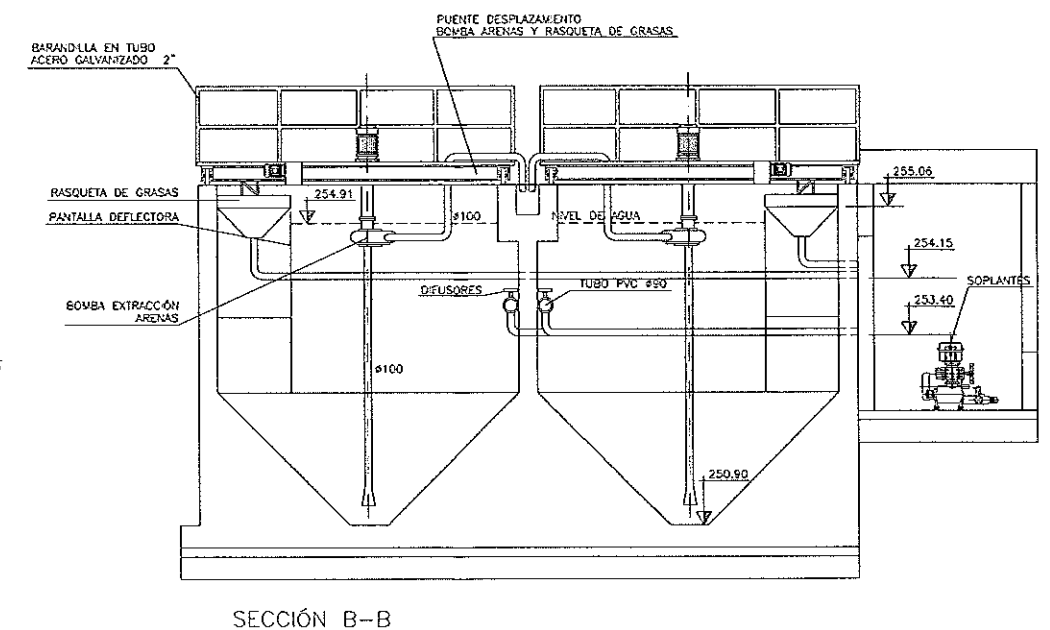
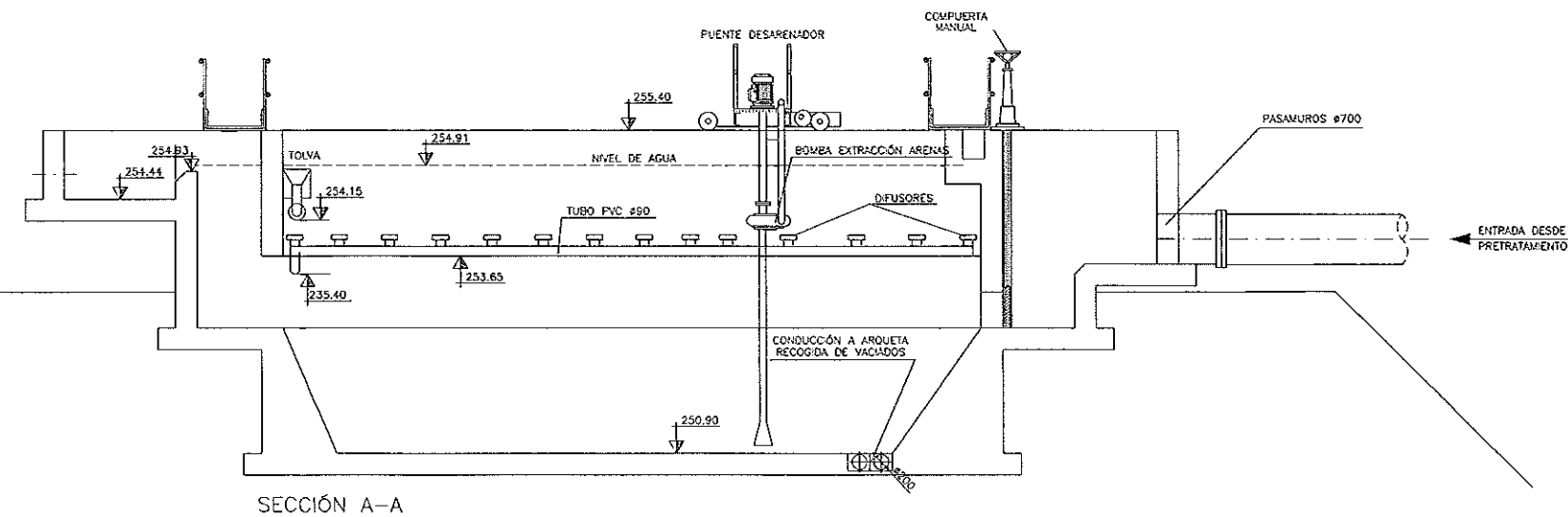
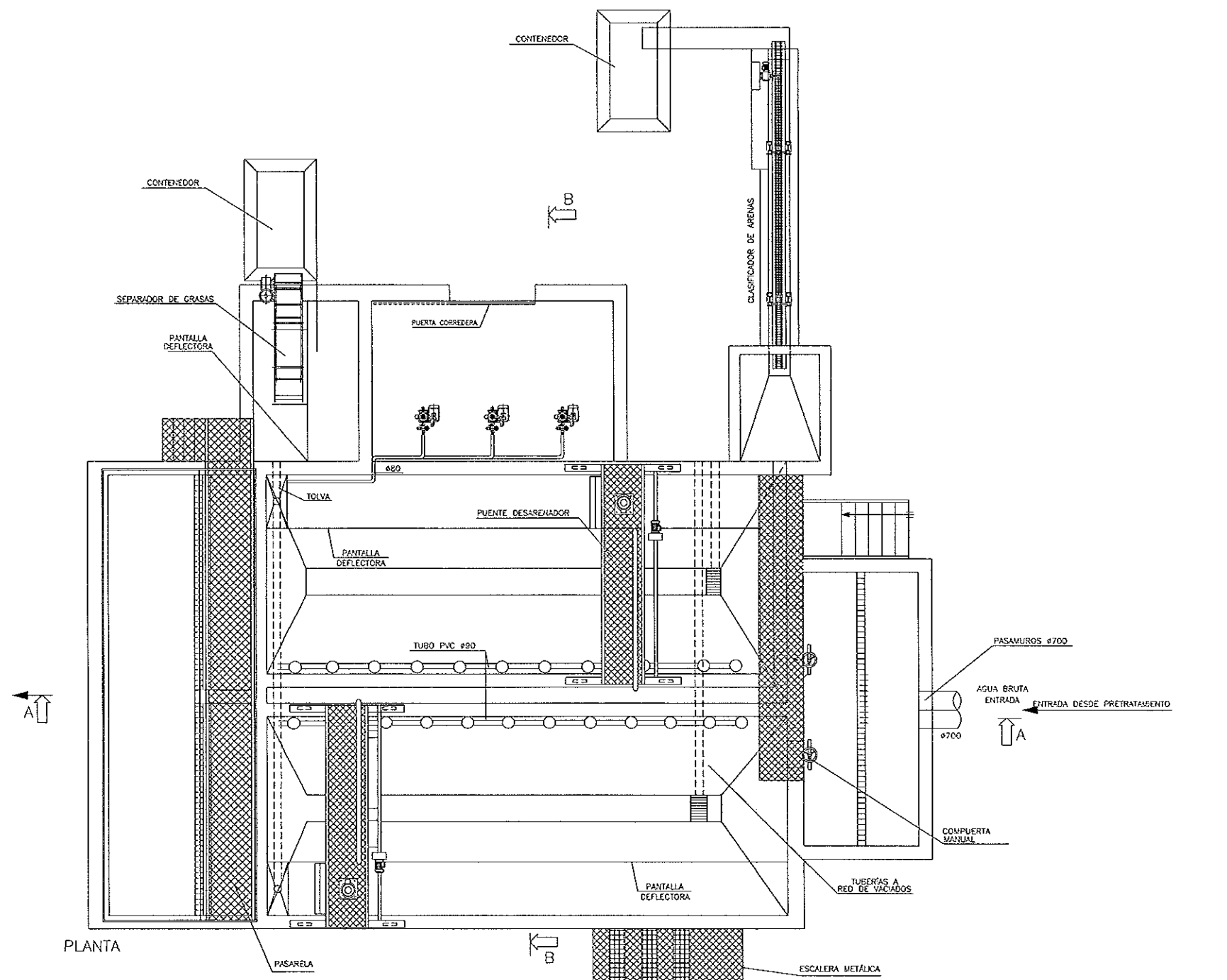
● JUNTA DE ESTANQUEIDAD VERTICAL

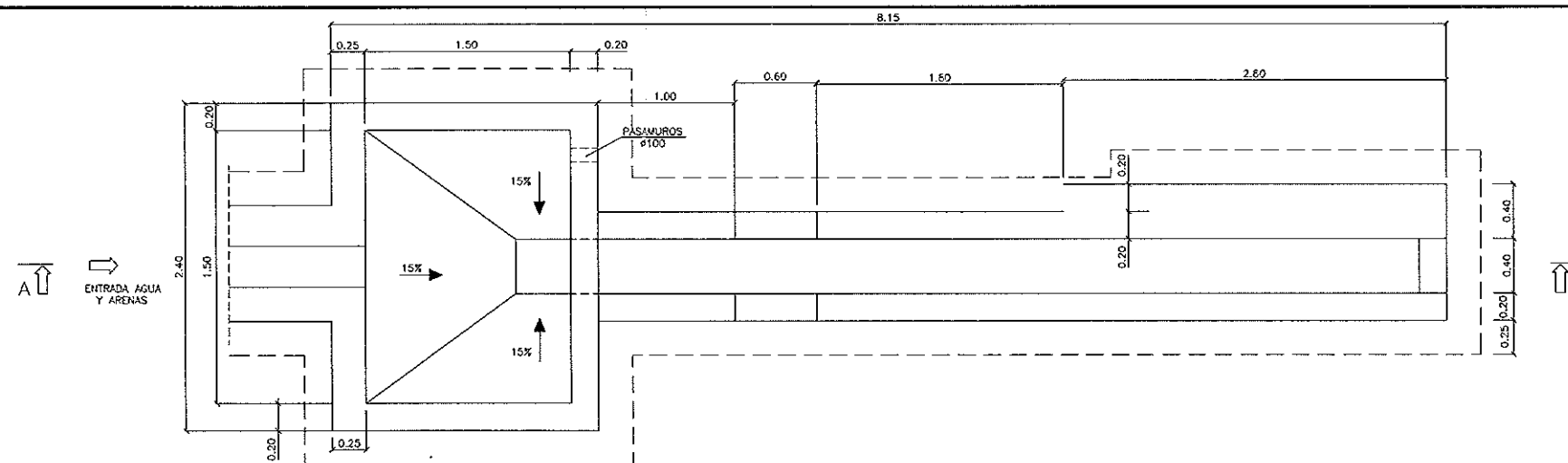
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

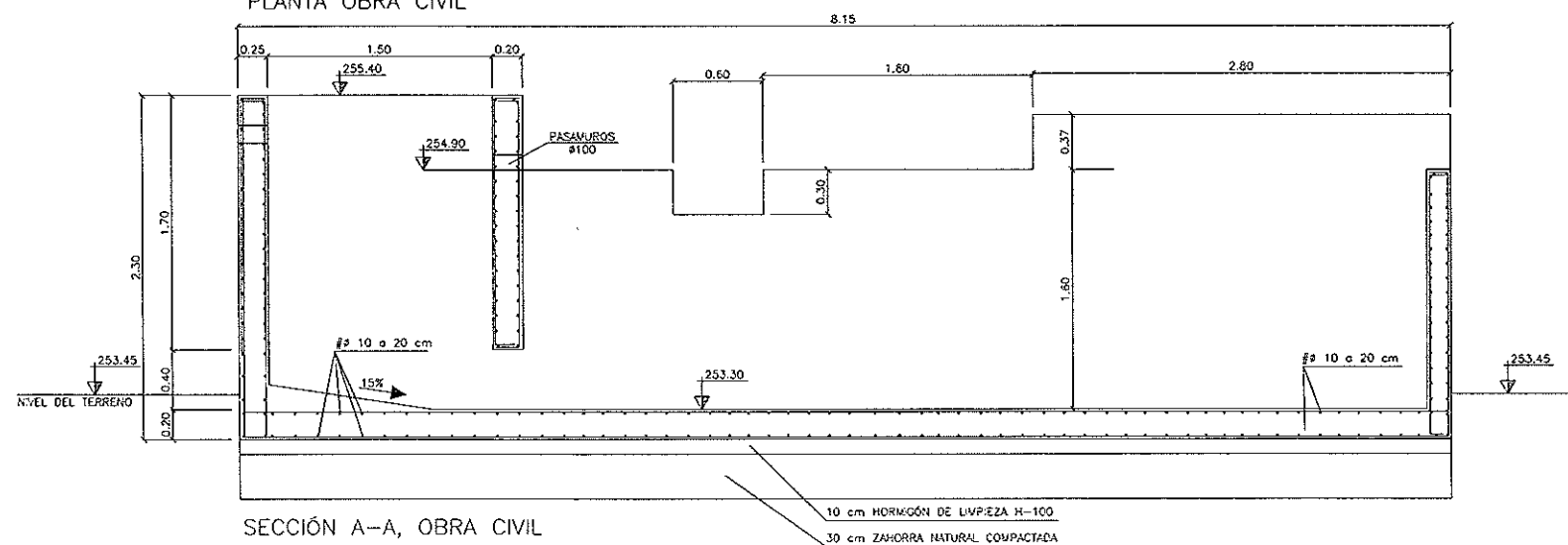


SECCIÓN A-A





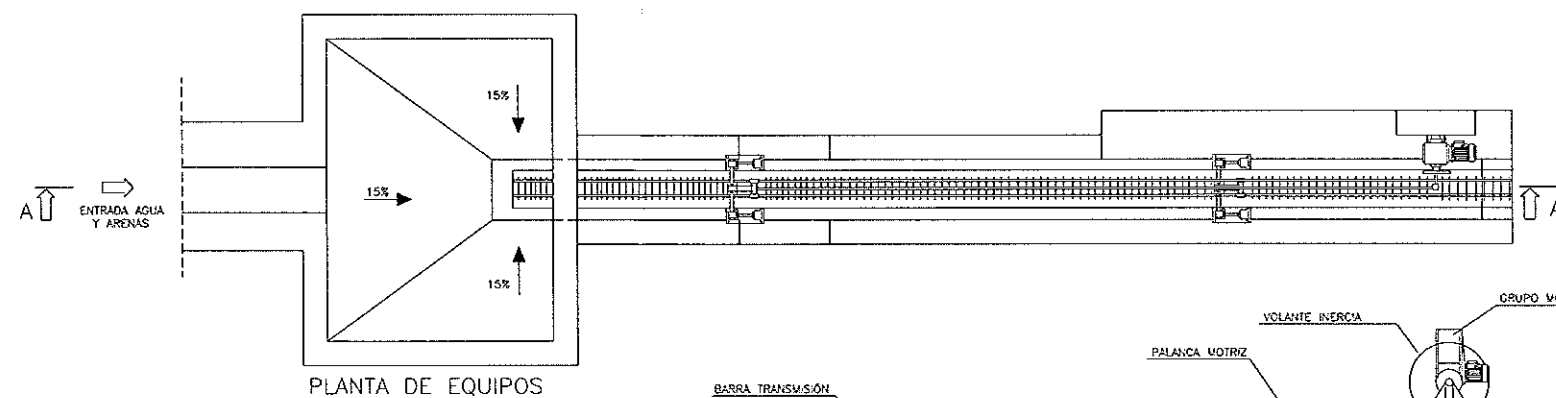
PLANTA OBRA CIVIL



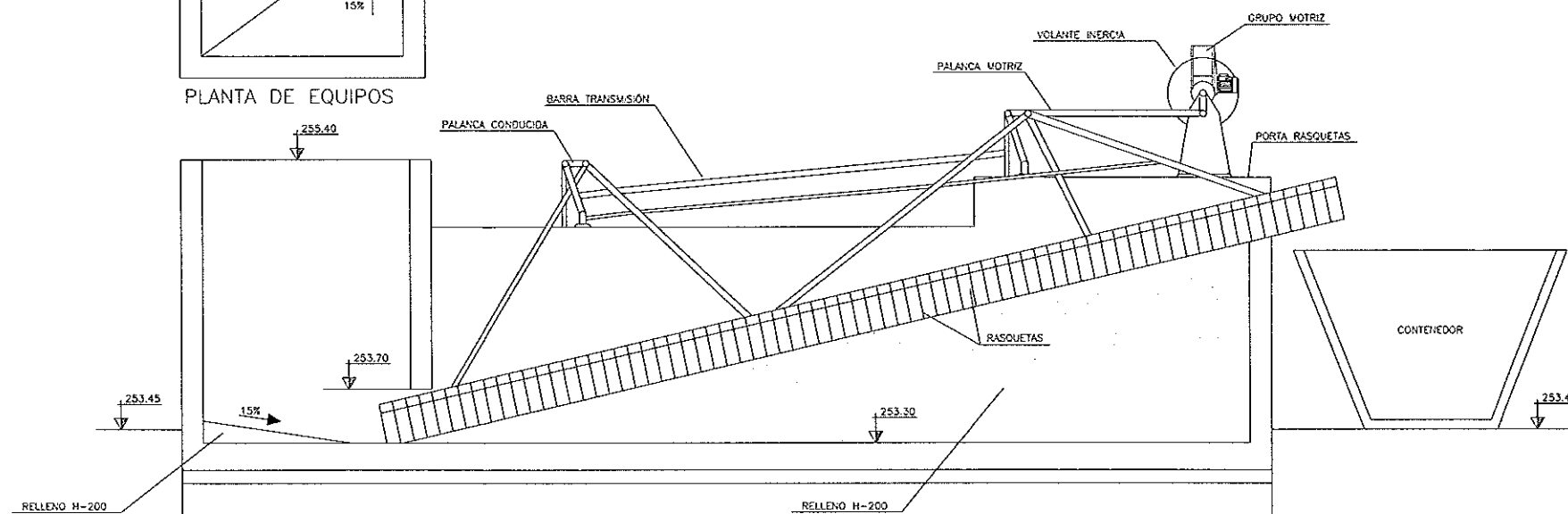
SECCIÓN A-A, OBRA CIVIL

CONTROL DE CALIDAD

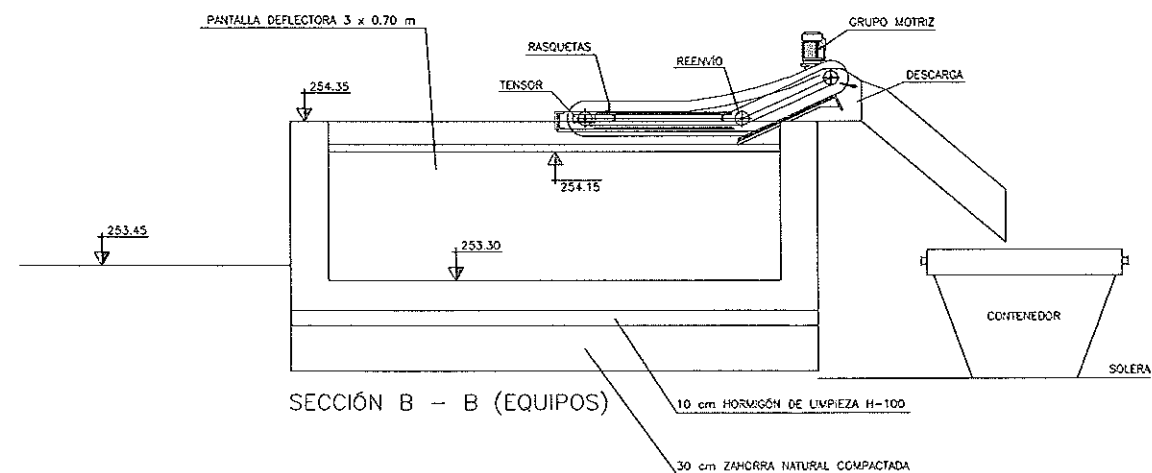
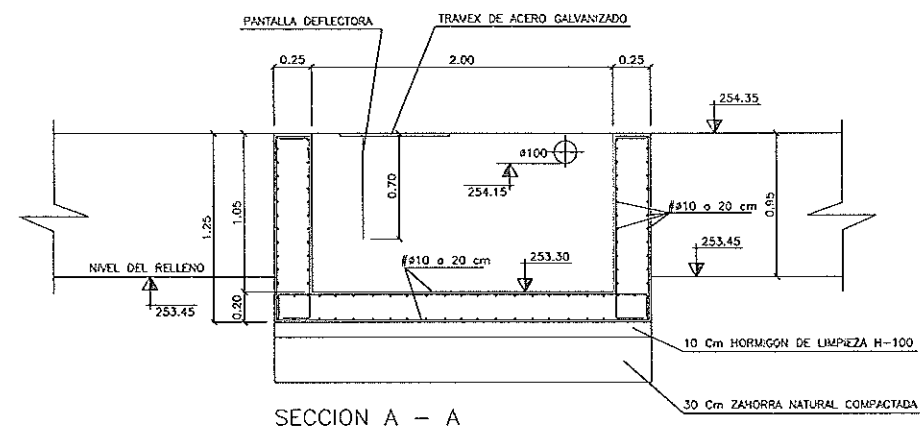
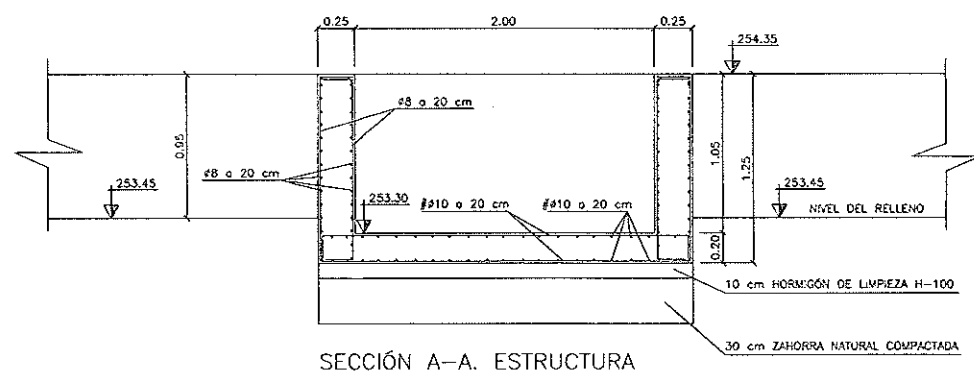
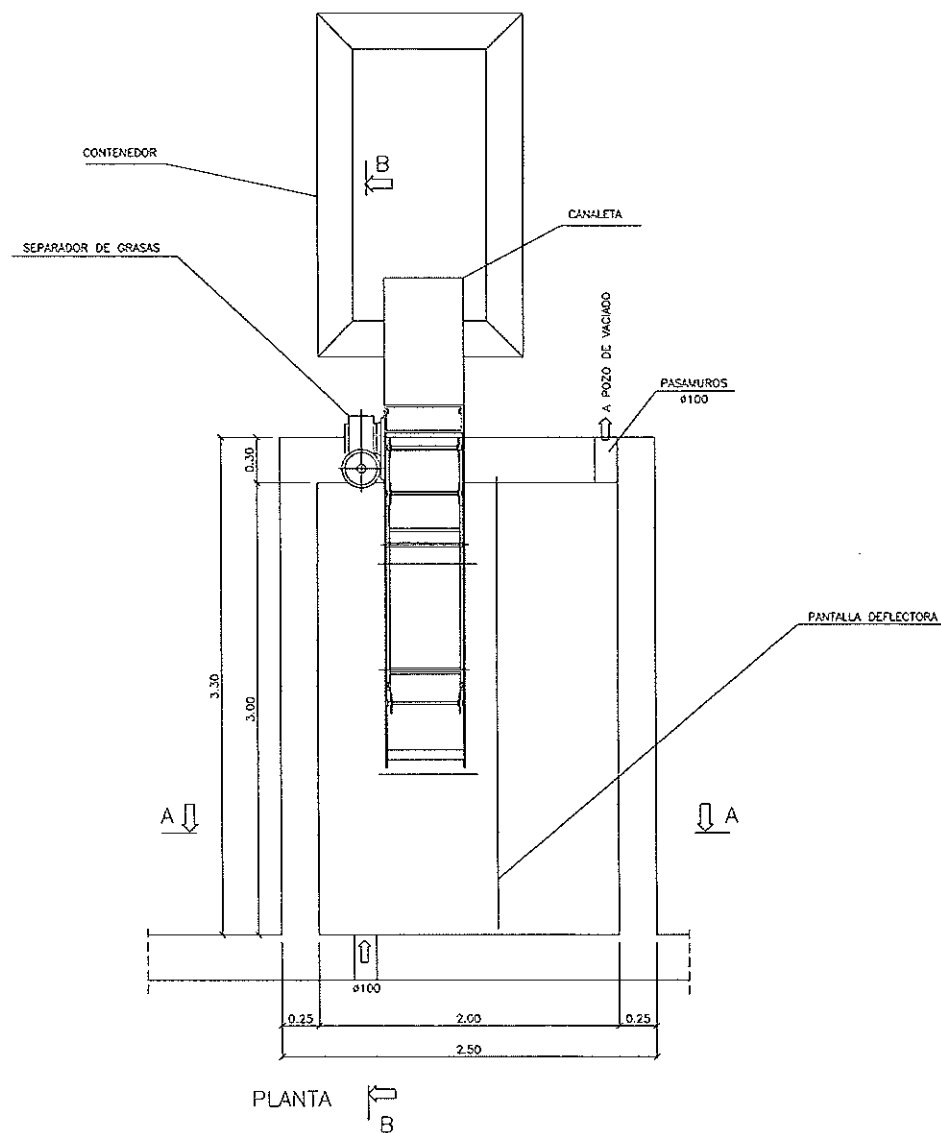
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H-200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



PLANTA DE EQUIPOS

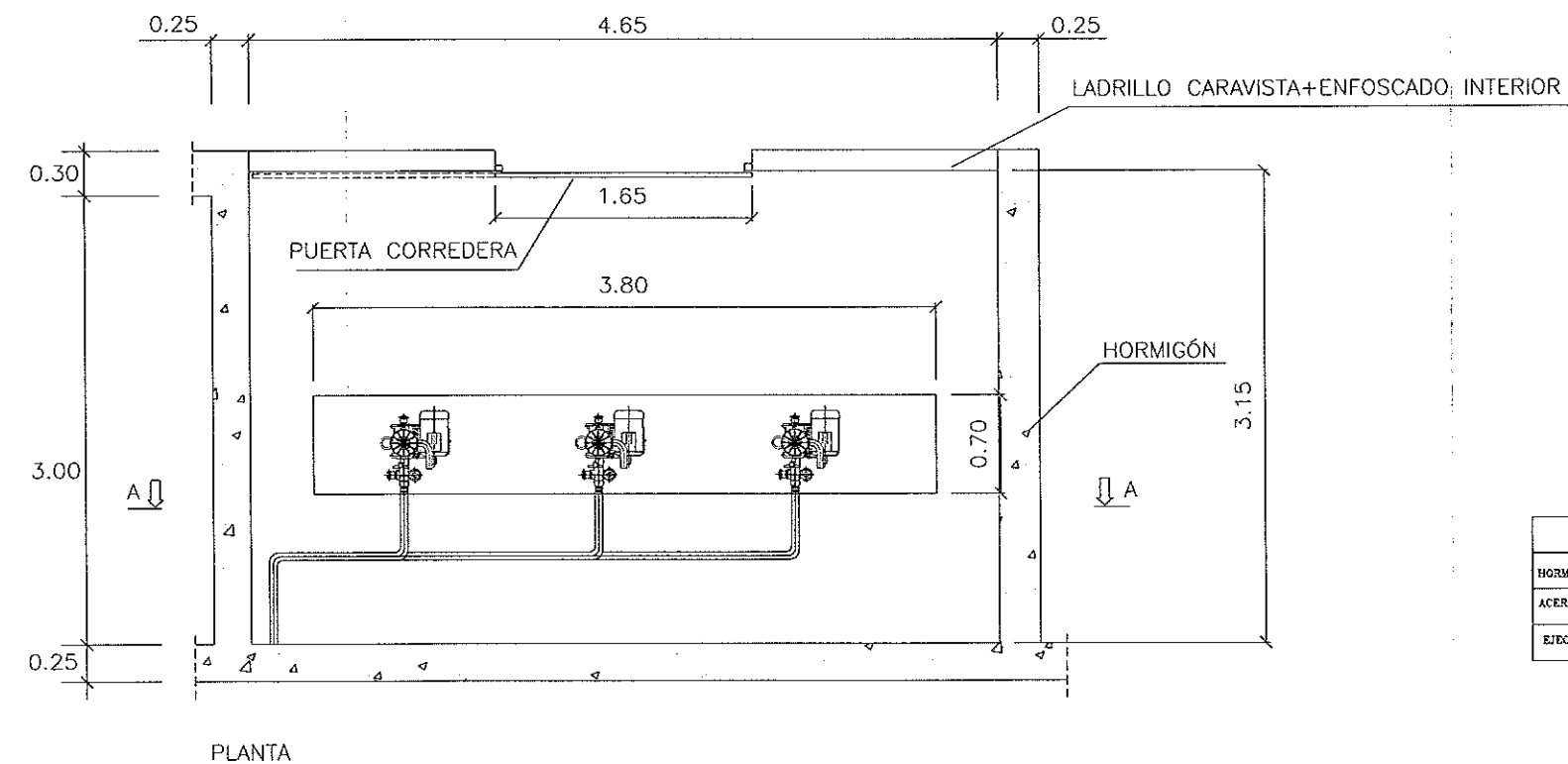


SECCIÓN A-A, EQUIPOS MECÁNICOS



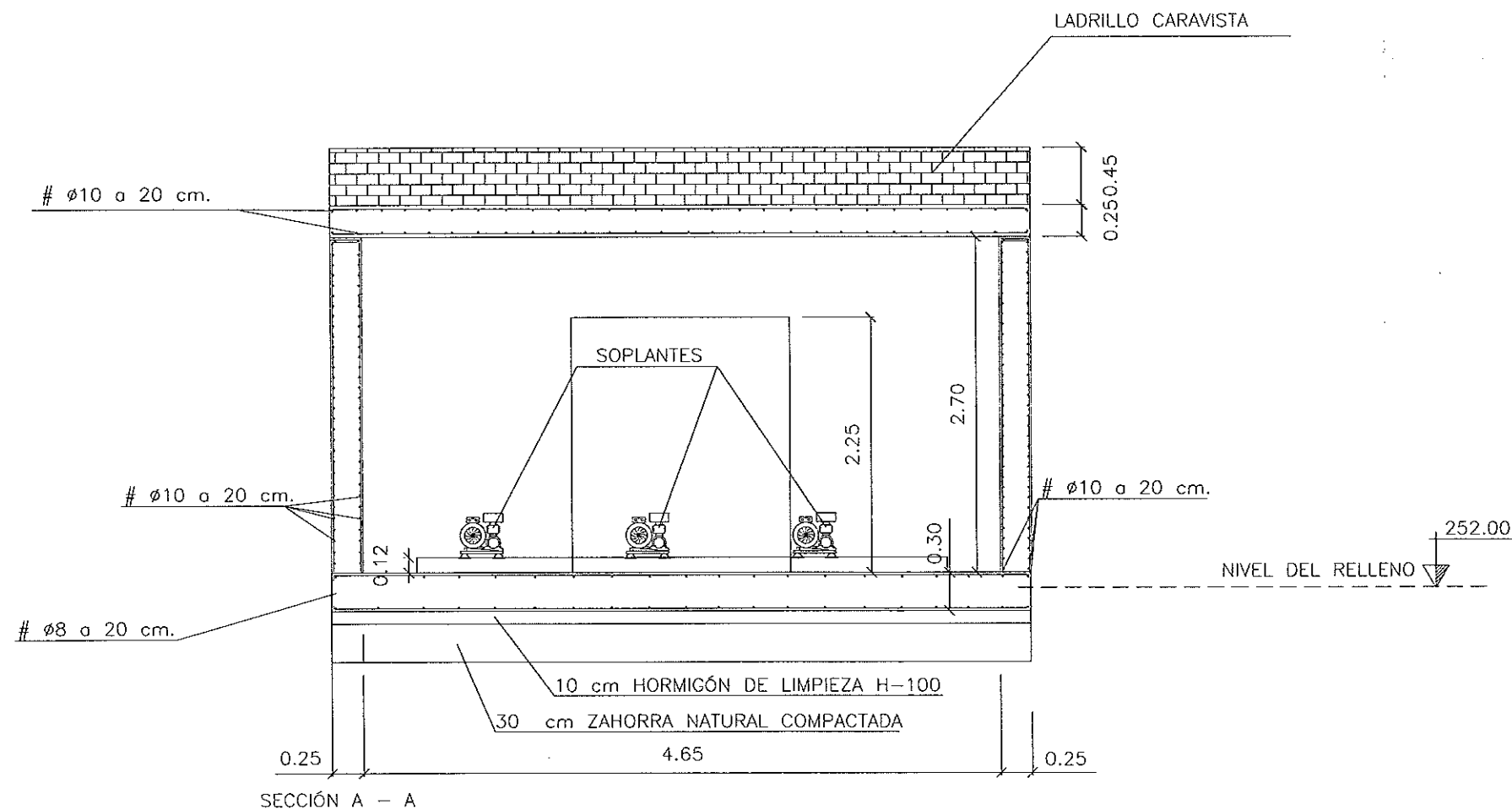
CONTROL DE CALIDAD

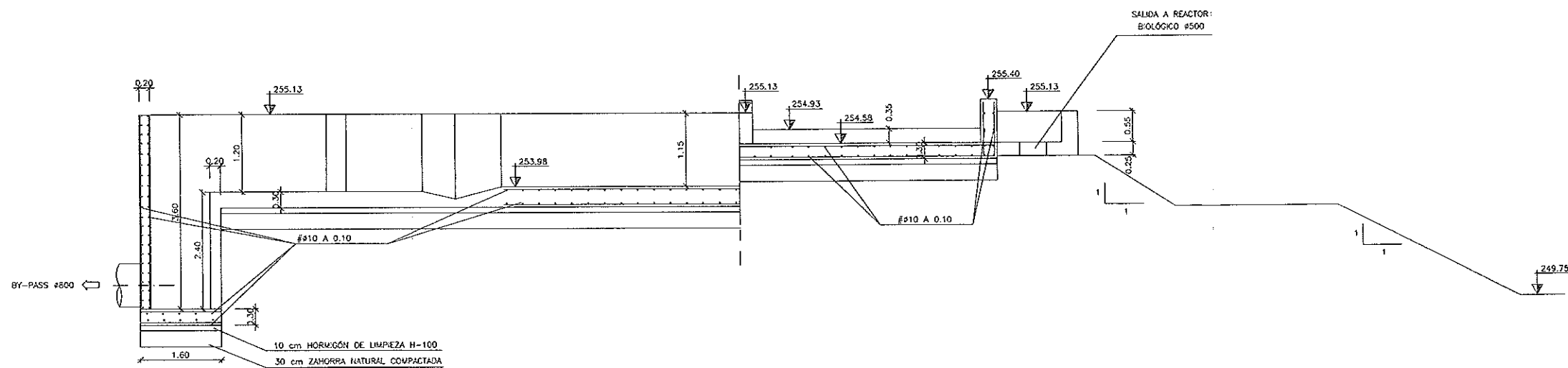
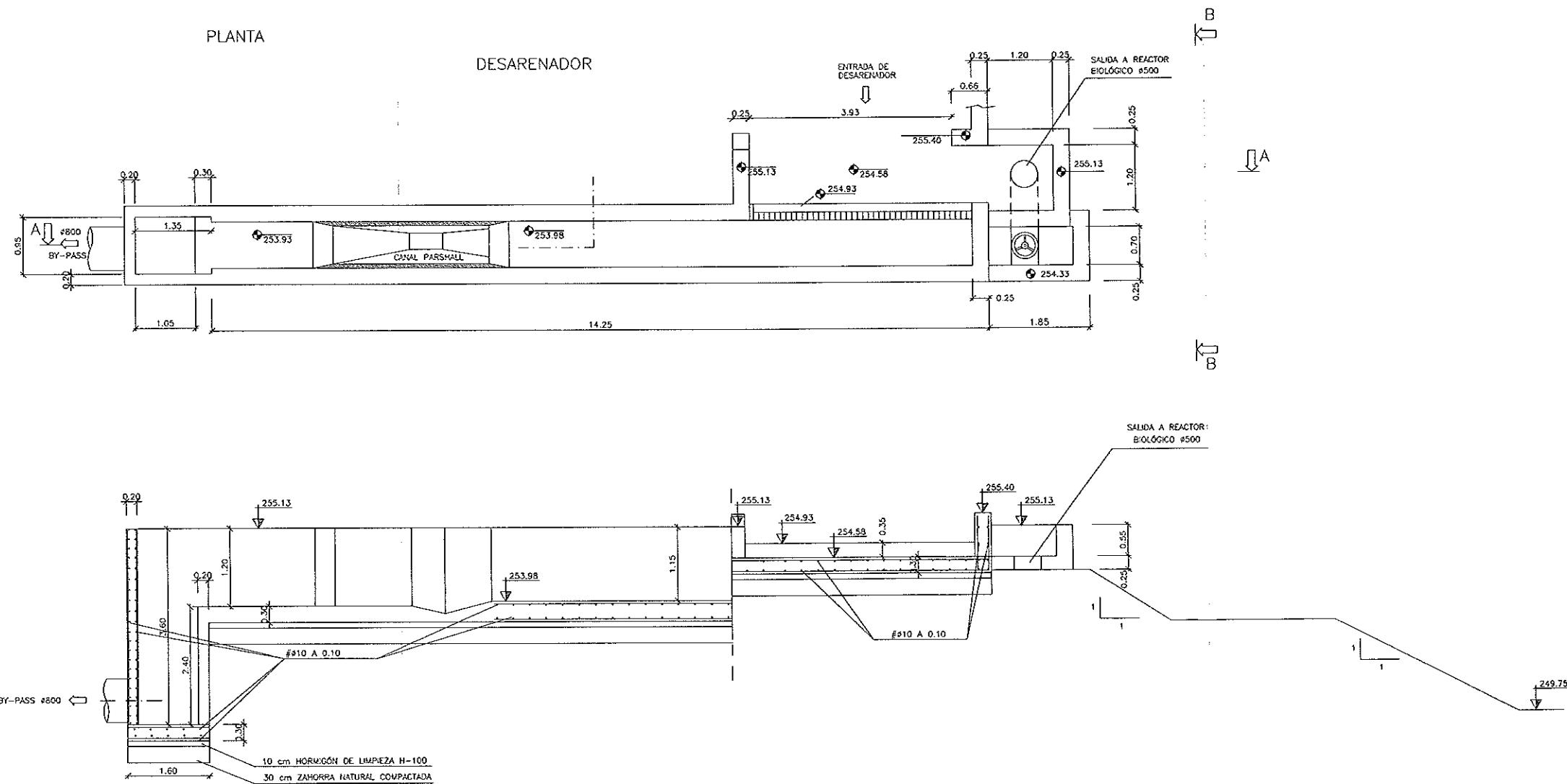
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



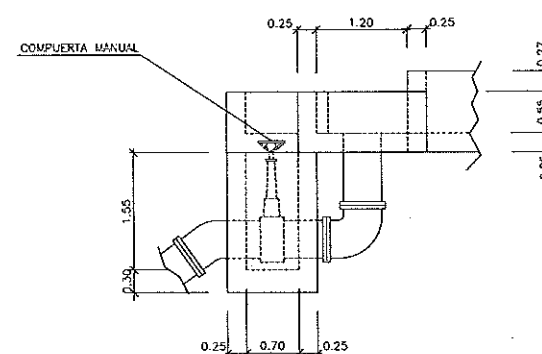
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60





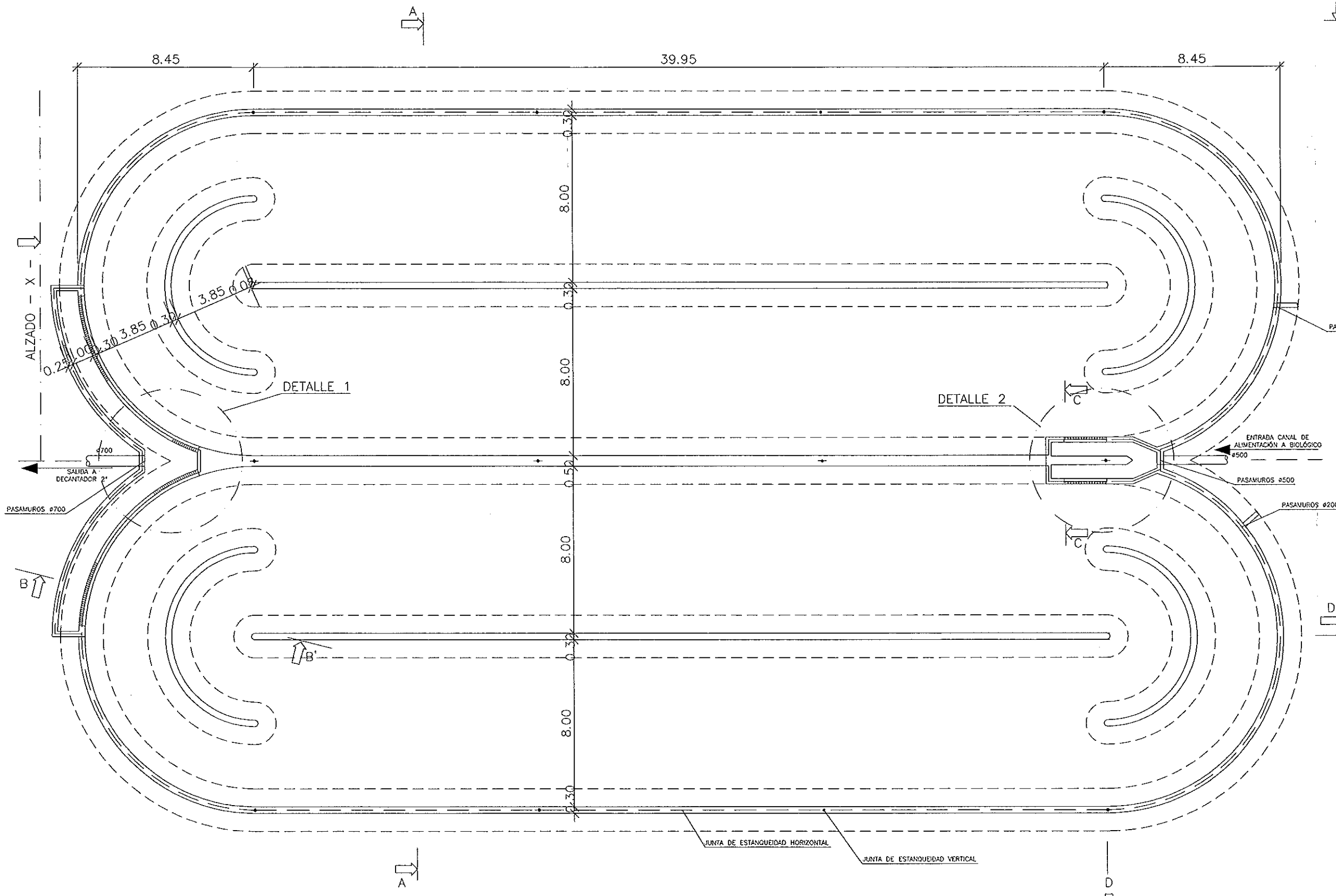
SECCIÓN A - A



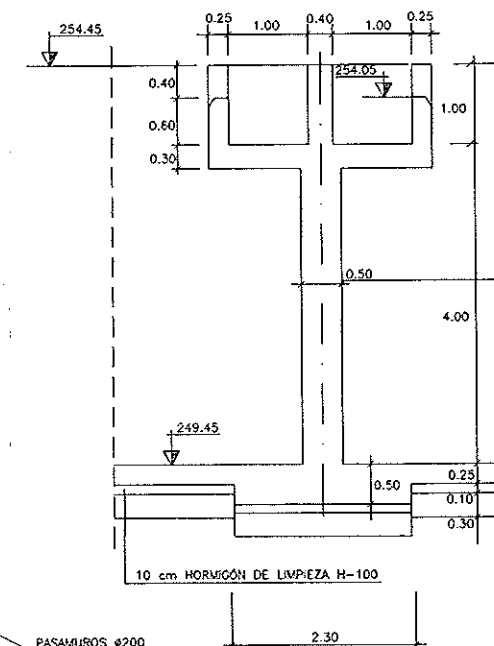
VISTA B - B

CONTROL DE CALIDAD

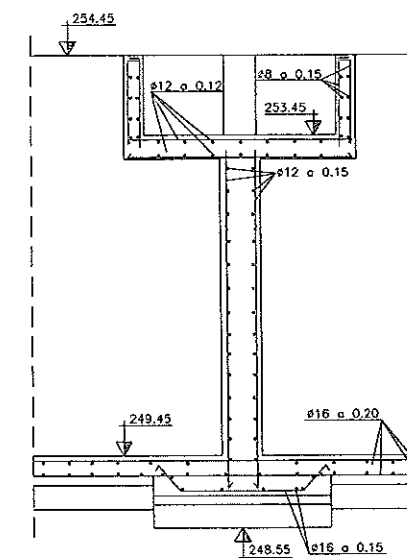
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



PLANTA



SECCIÓN C - C
ESCALA= 1:50

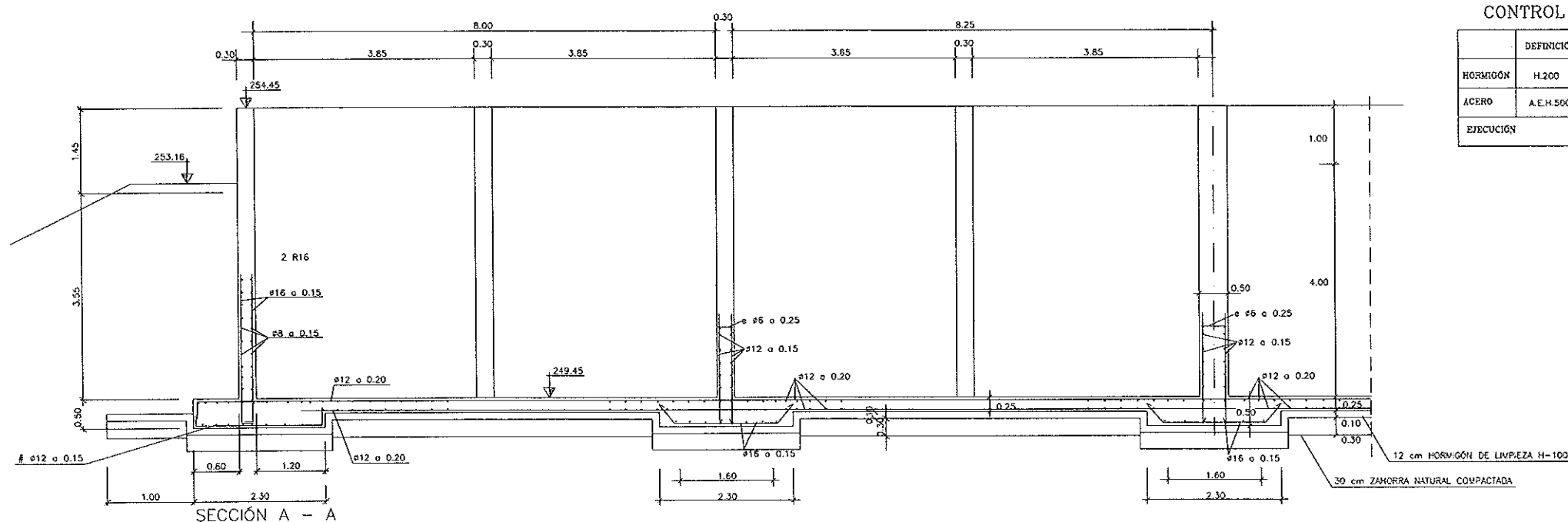
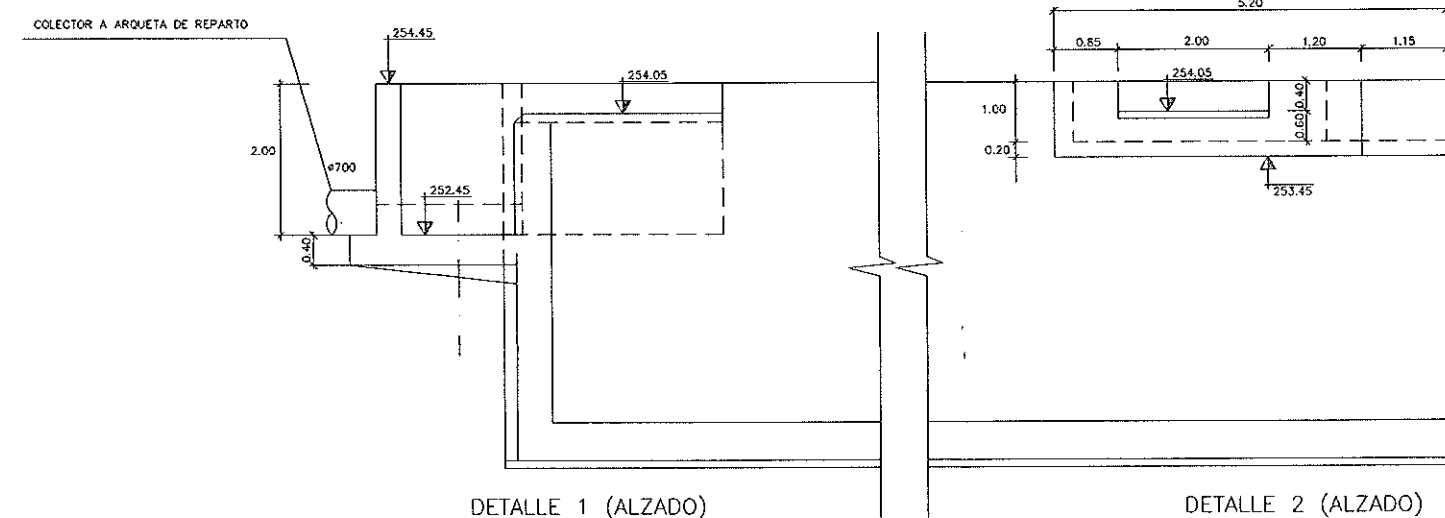
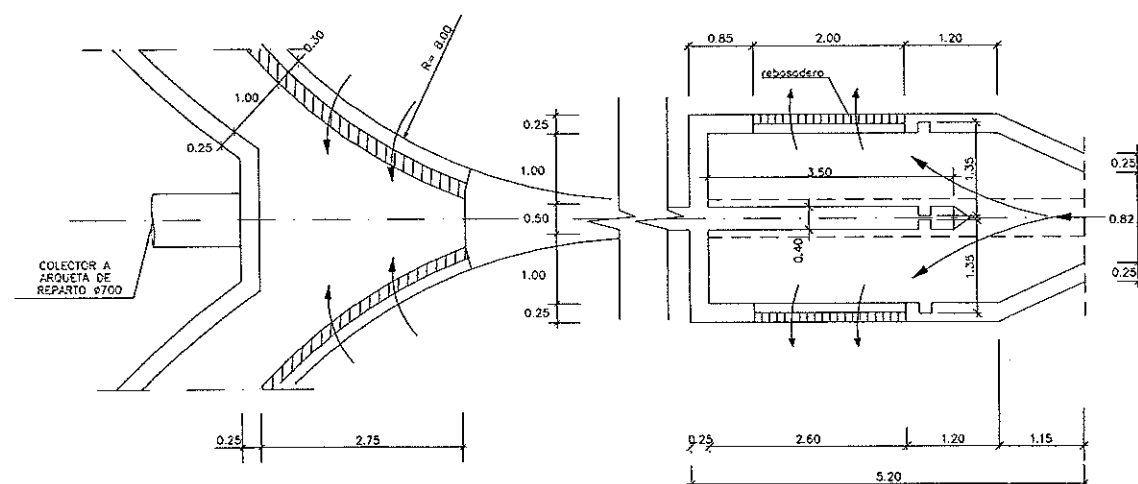
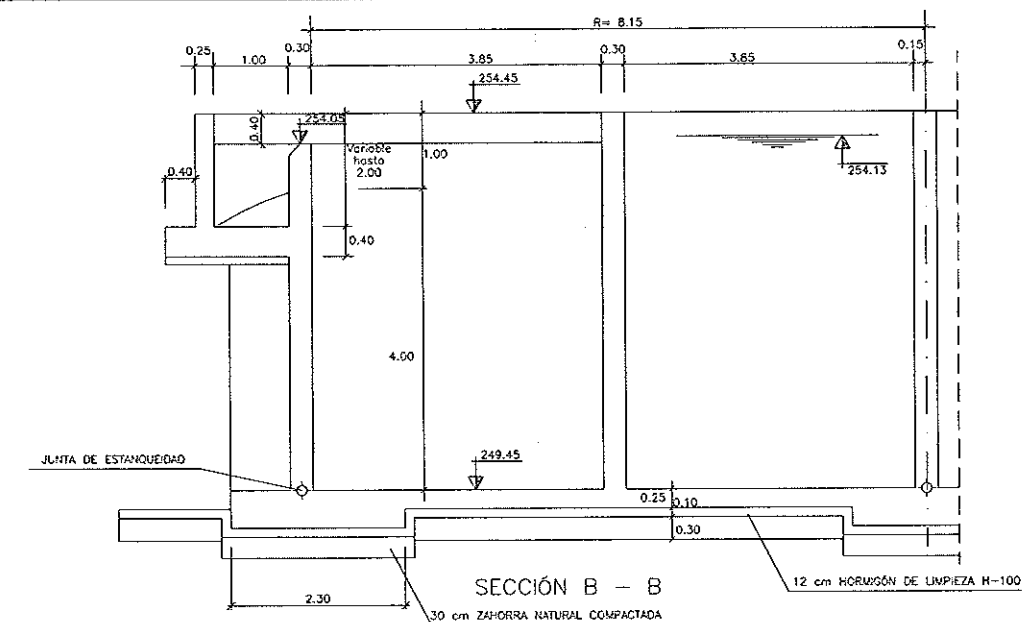
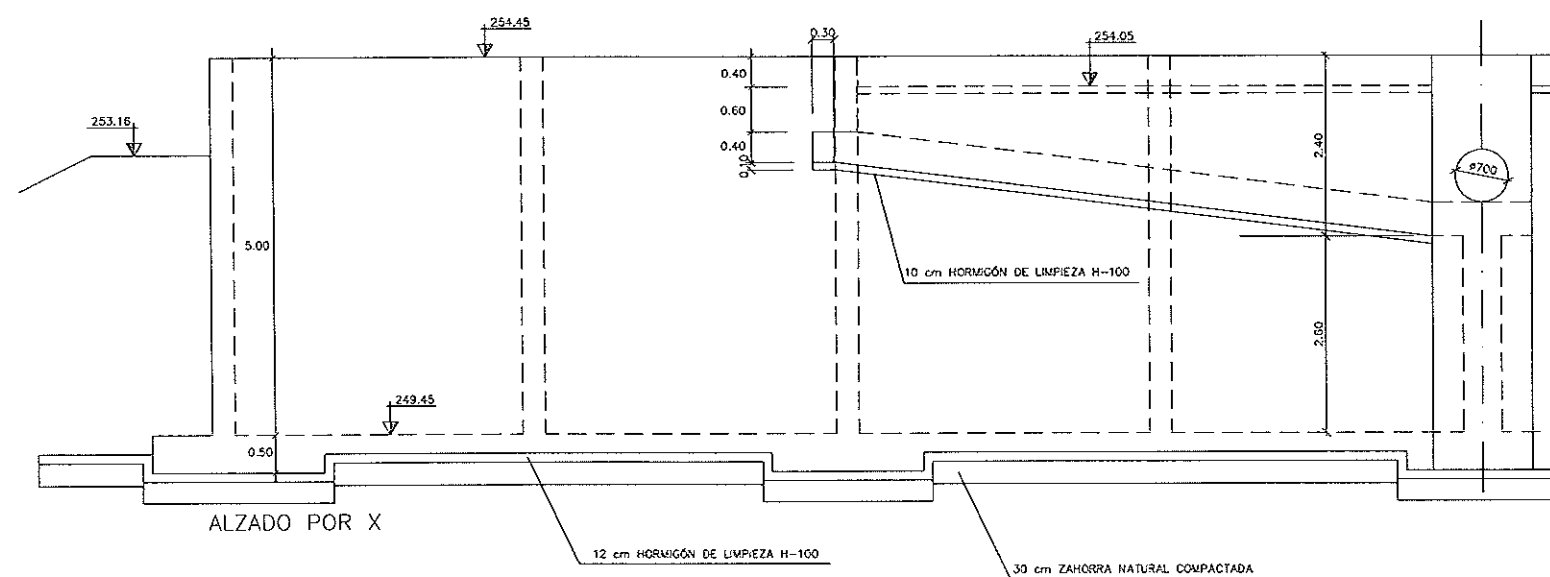


SECCIÓN C - C: ARMADURAS
ESCALA= 1:50

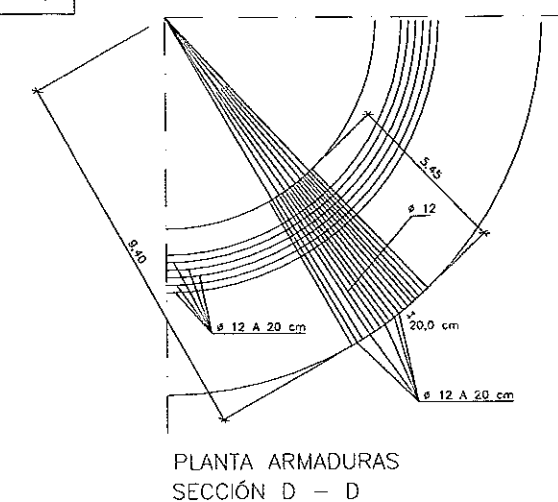
CONTROL DE CALIDAD

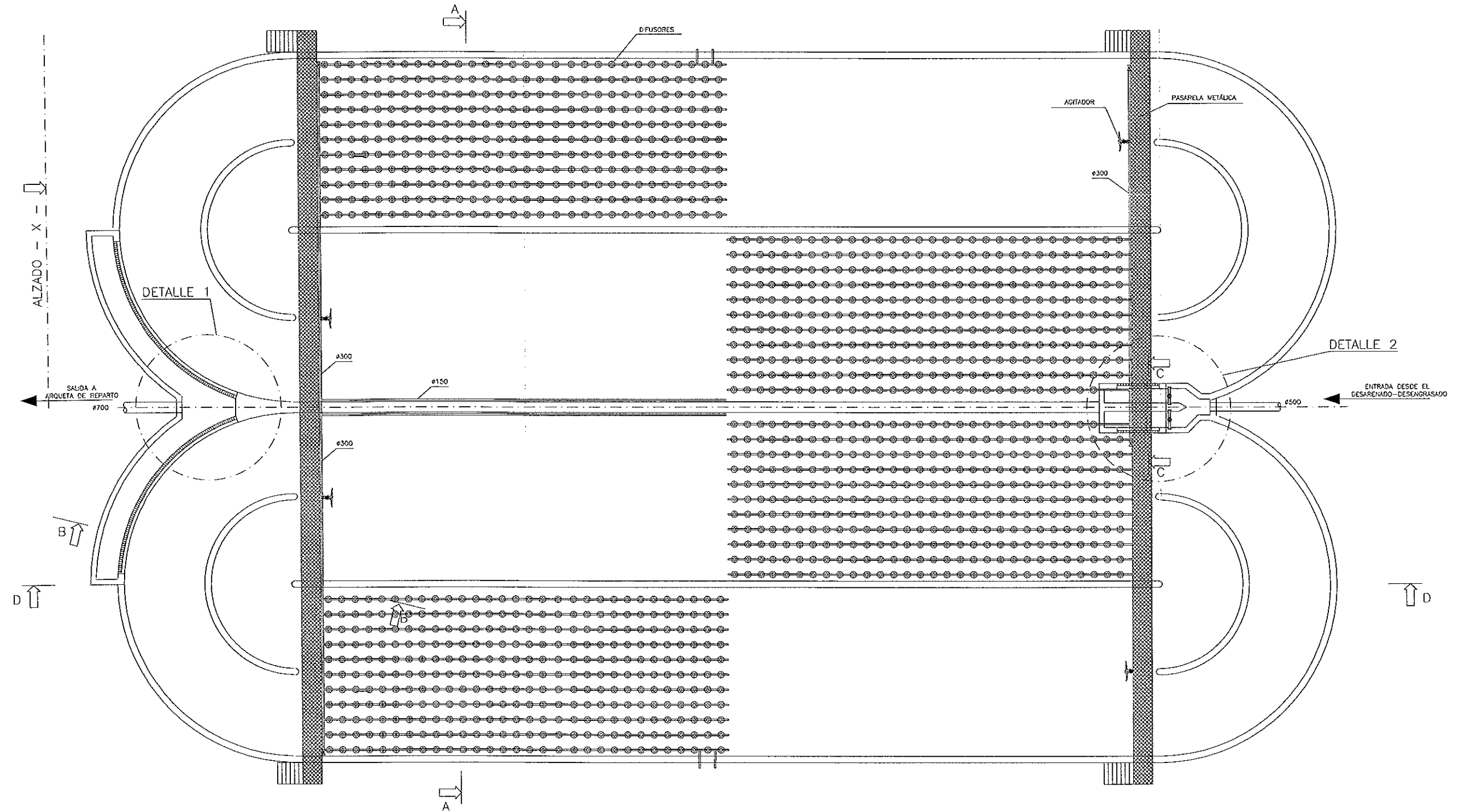
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

→ JUNTA DE ESTANQUEIDAD VERTICAL DE PVC

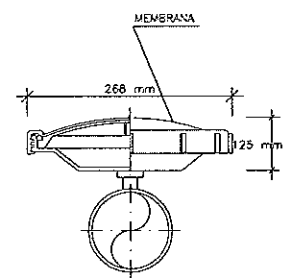
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

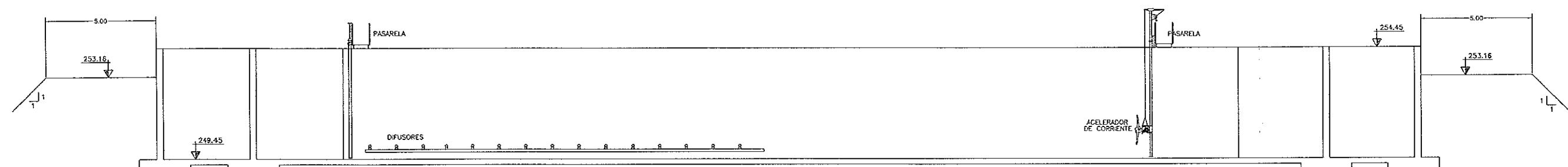




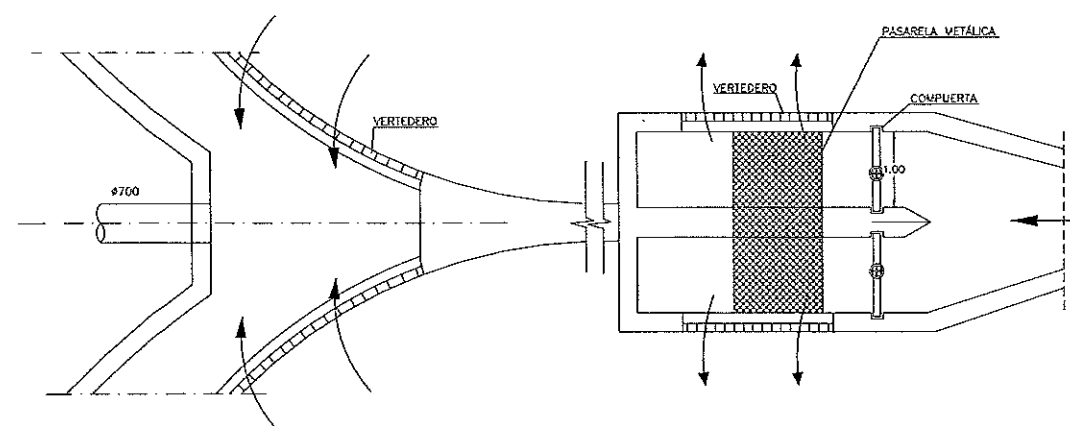
PLANTA



DETALLE DIFUSOR DE MEMBRANA CIRCULAR
S/N ESCALA

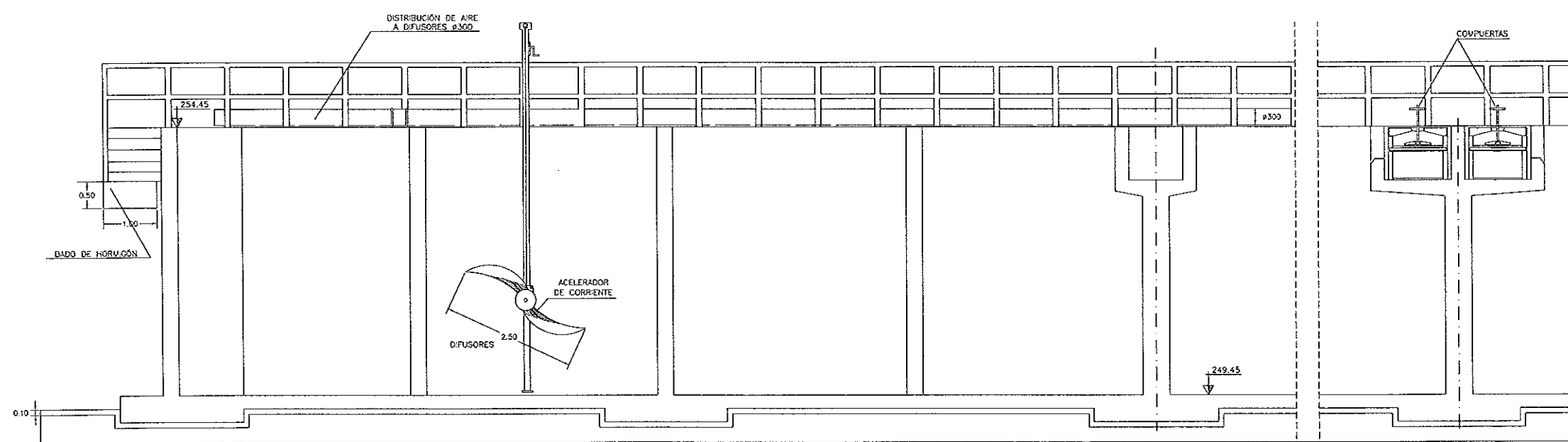


SECCIÓN D - D



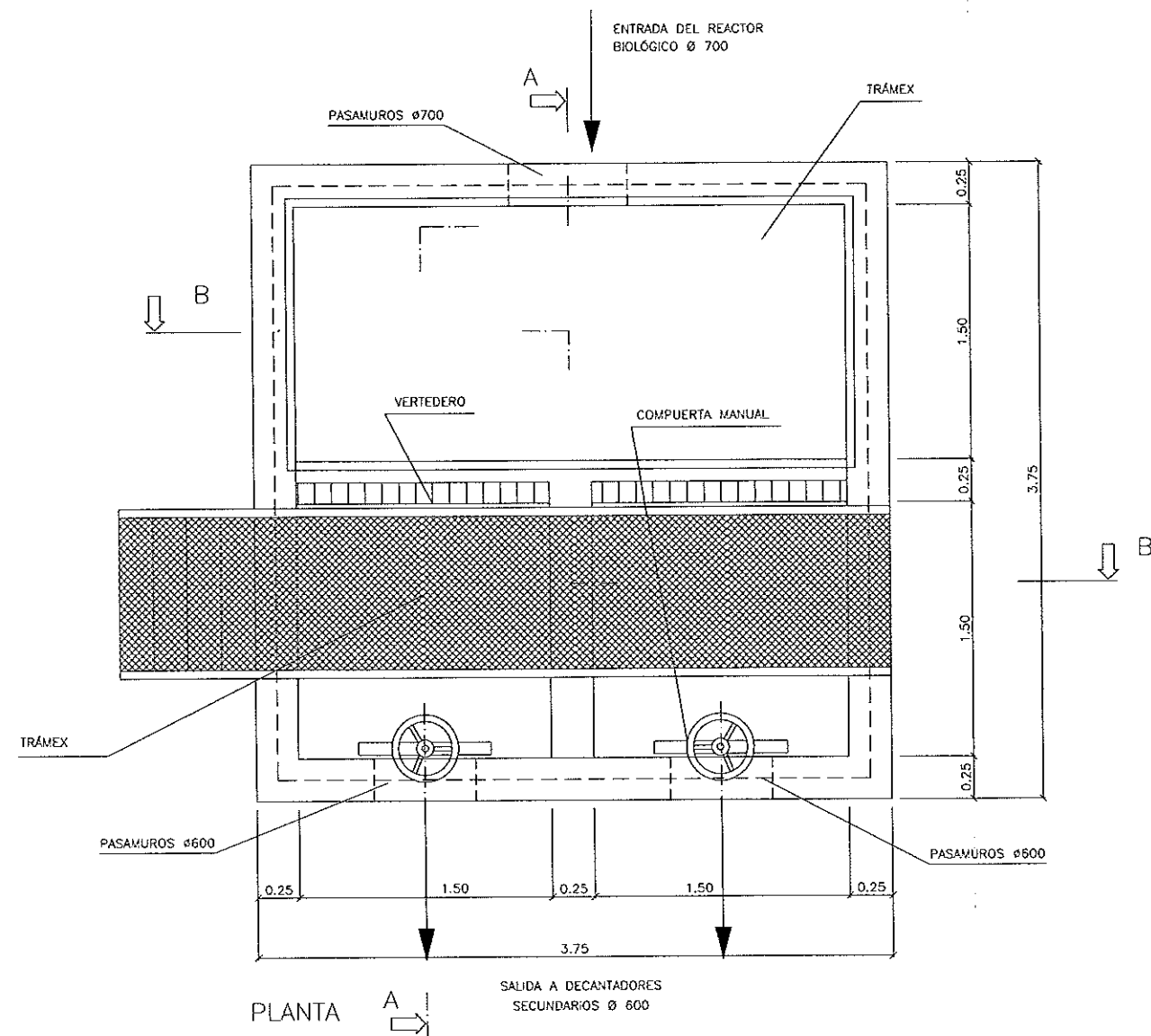
DETALLE 1 (PLANTA)
S/E

DETALLE 2 (PLANTA)
S/E



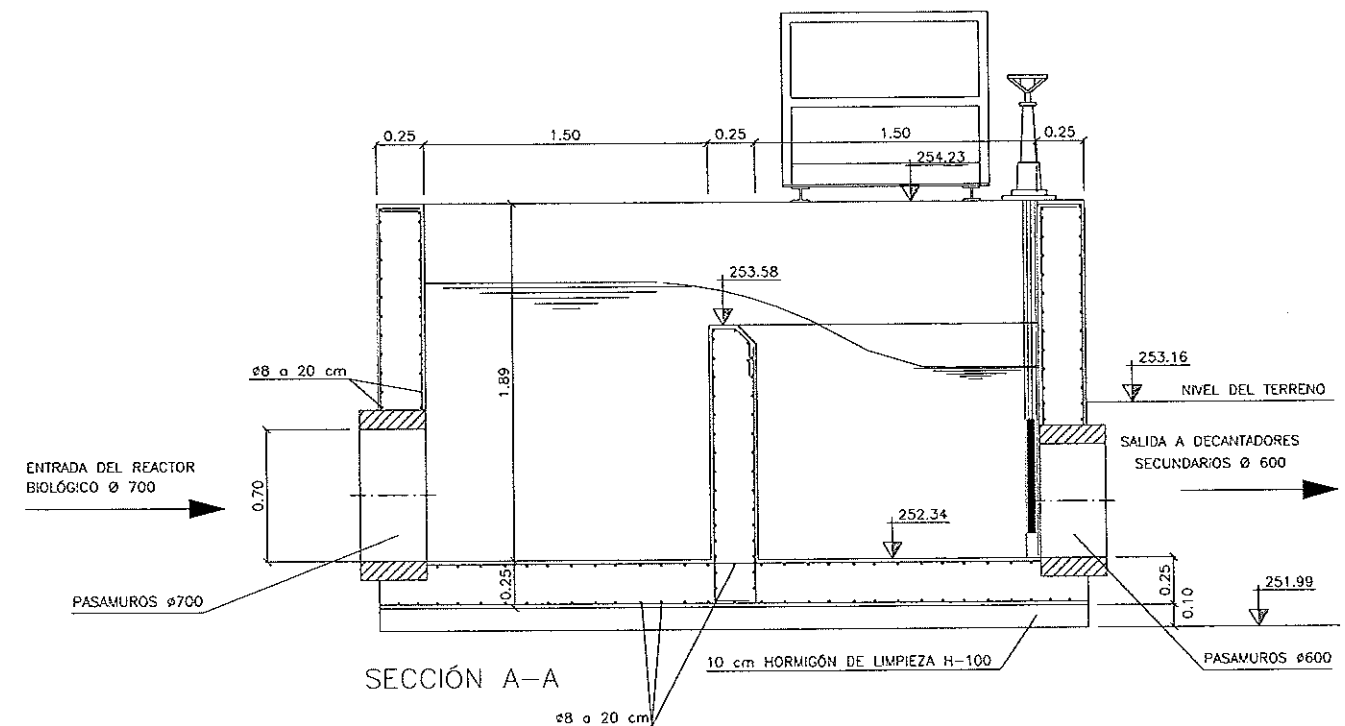
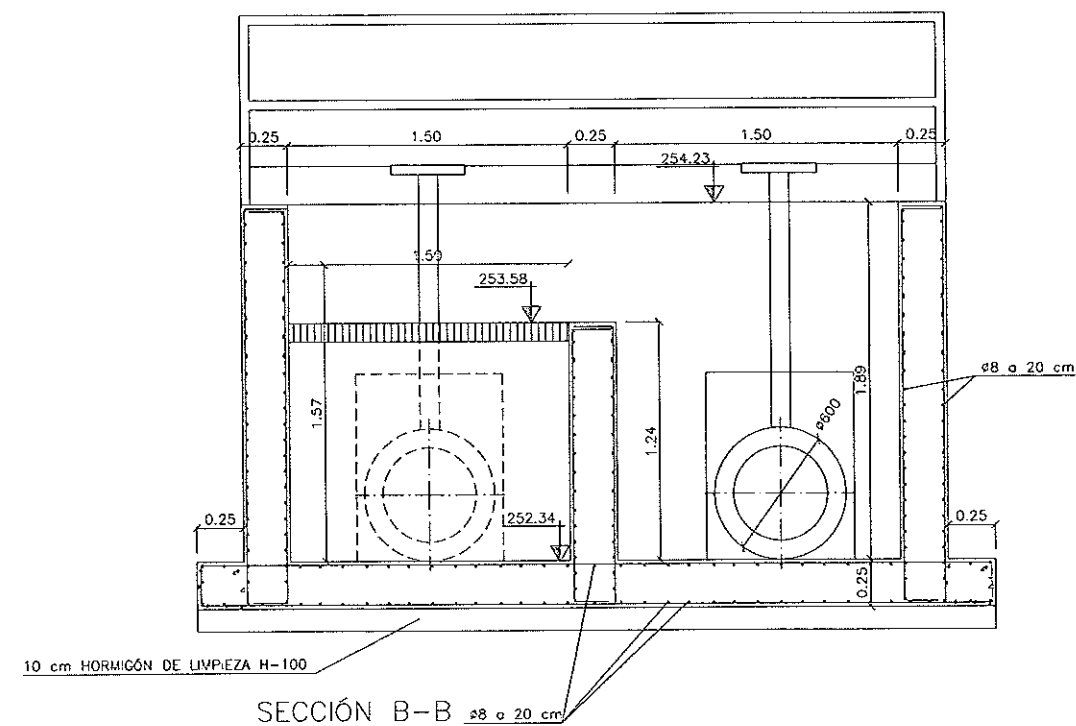
SECCIÓN A - A
ESCALA 1:50

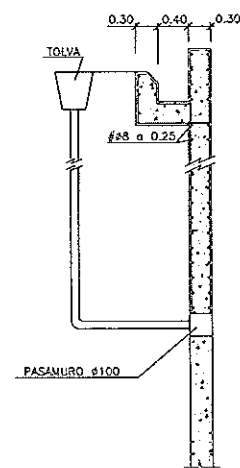
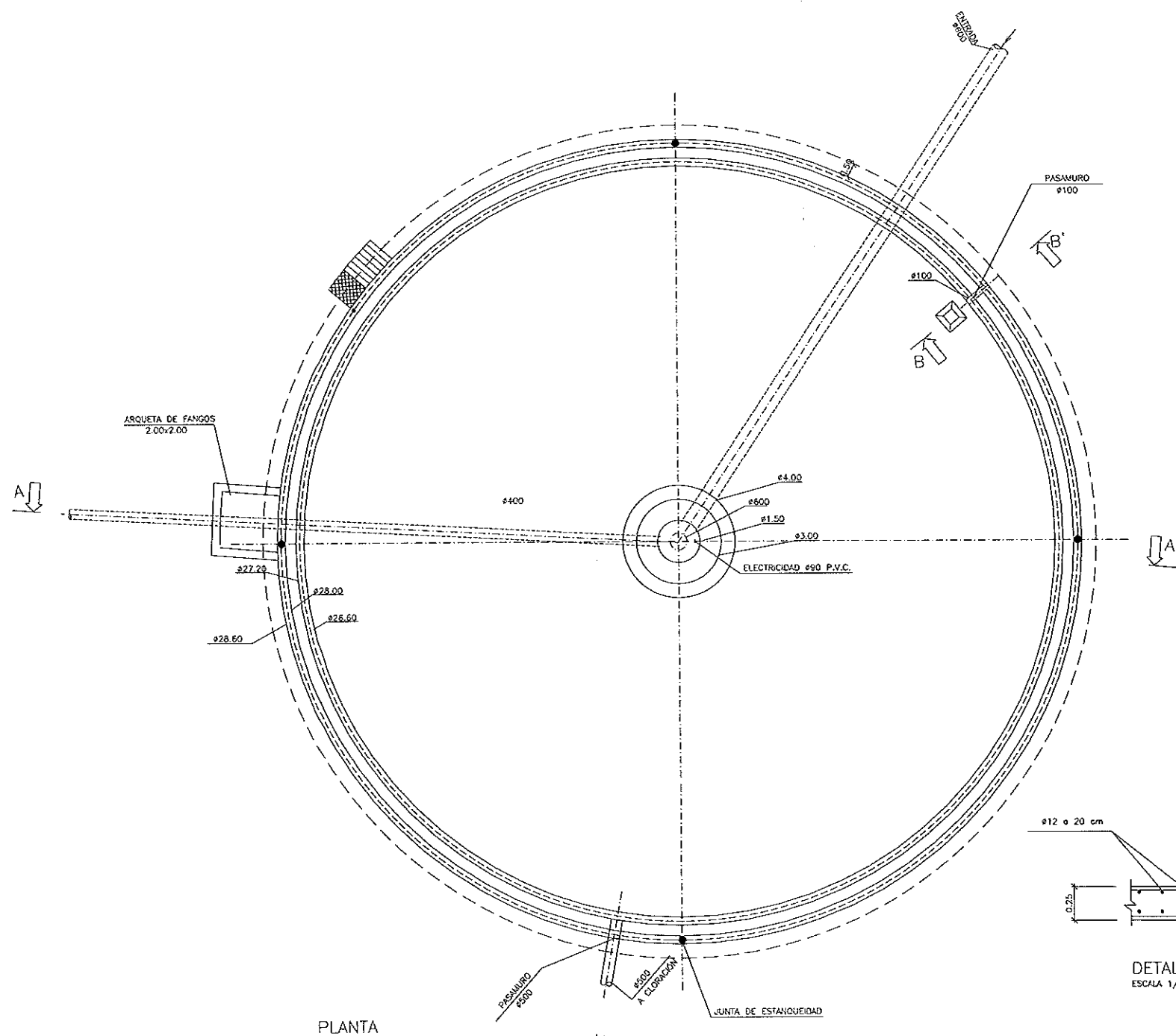
SECCIÓN C - C
ESCALA 1:50



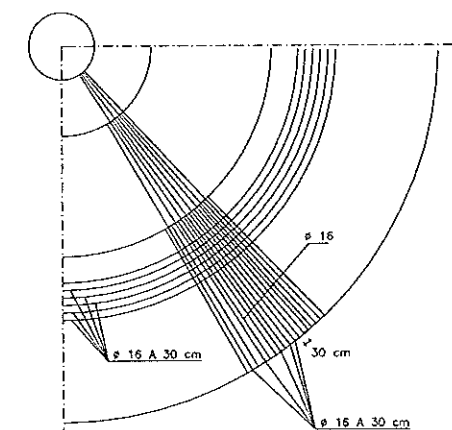
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

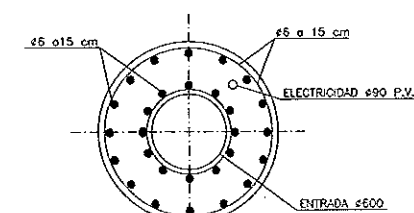




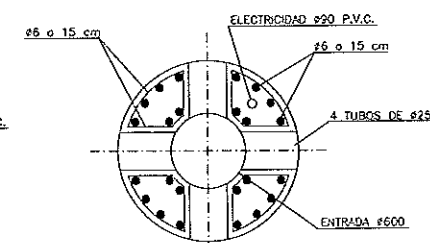
SECCIÓN B-B'
ESCALA 1/50



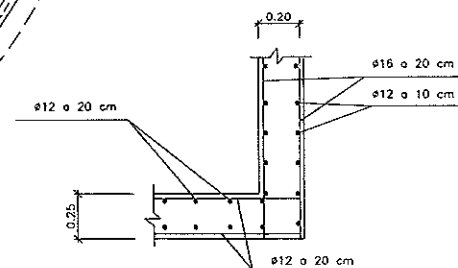
PLANTA ARMADURAS



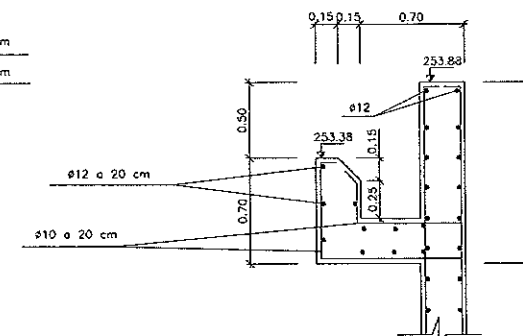
SECCIÓN C - C'
ESCALA 1/25



SECCIÓN E - E'
ESCALA 1/25



DETALLE "3"
ESCALA 1/25

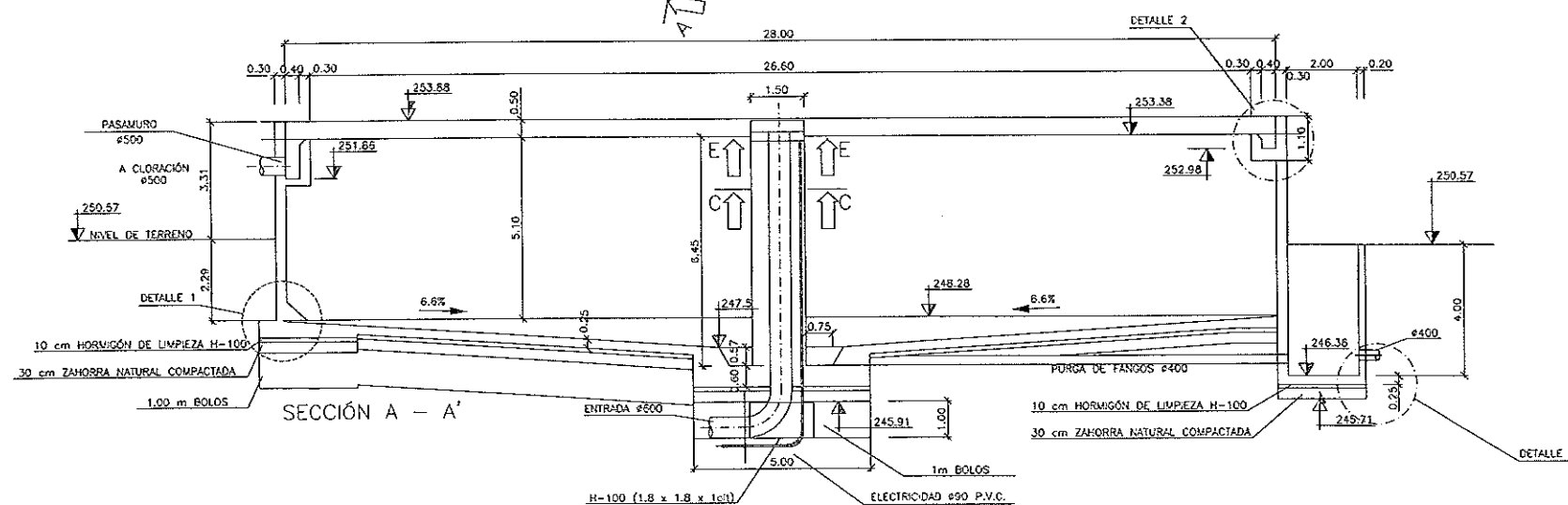


DETALLE "2"
ESCALA 1/25

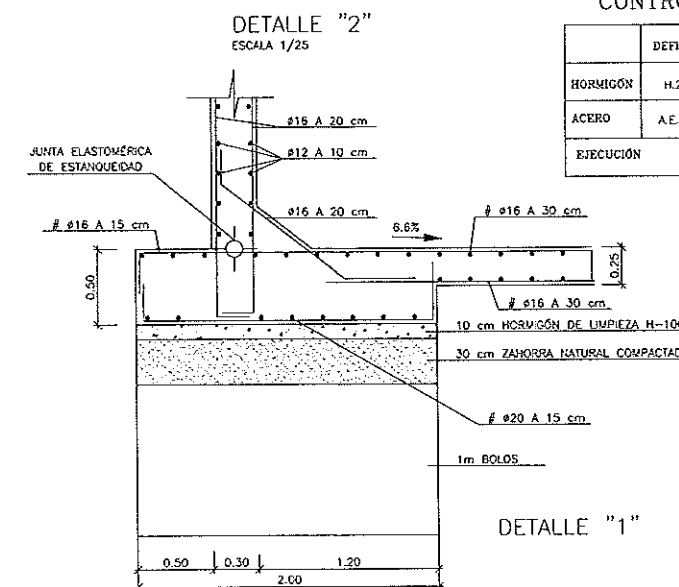
LEYENDA	
	JUNTA DE ESTANQUEIDAD VERTICAL

CONTROL DE CALIDAD

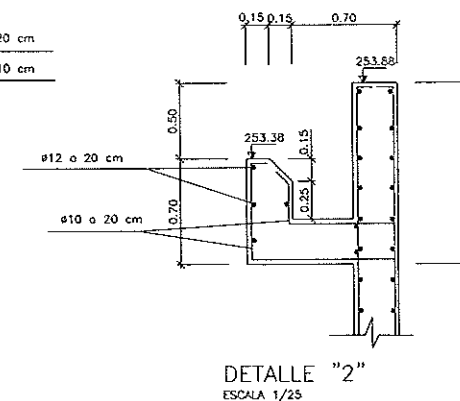
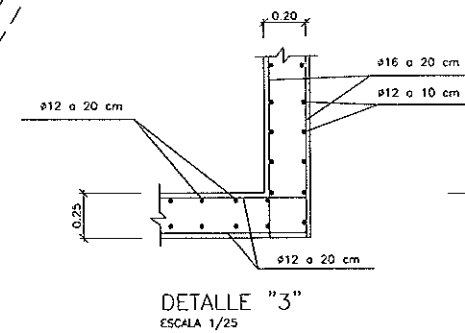
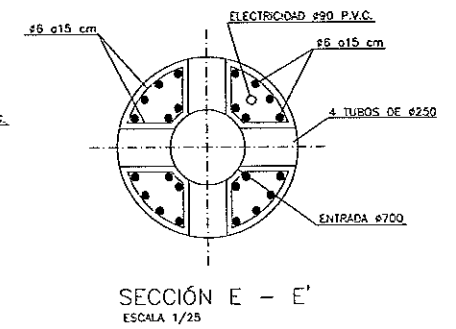
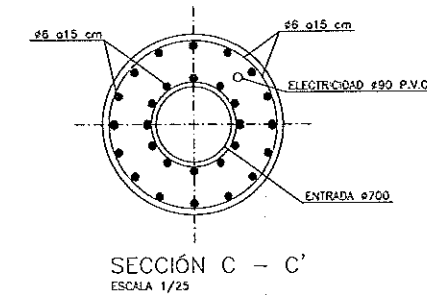
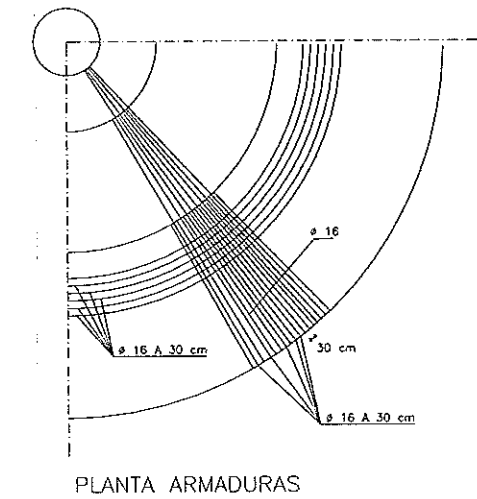
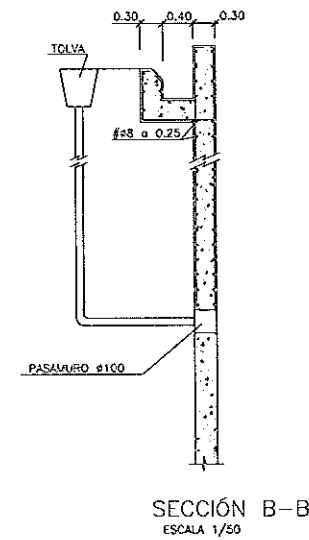
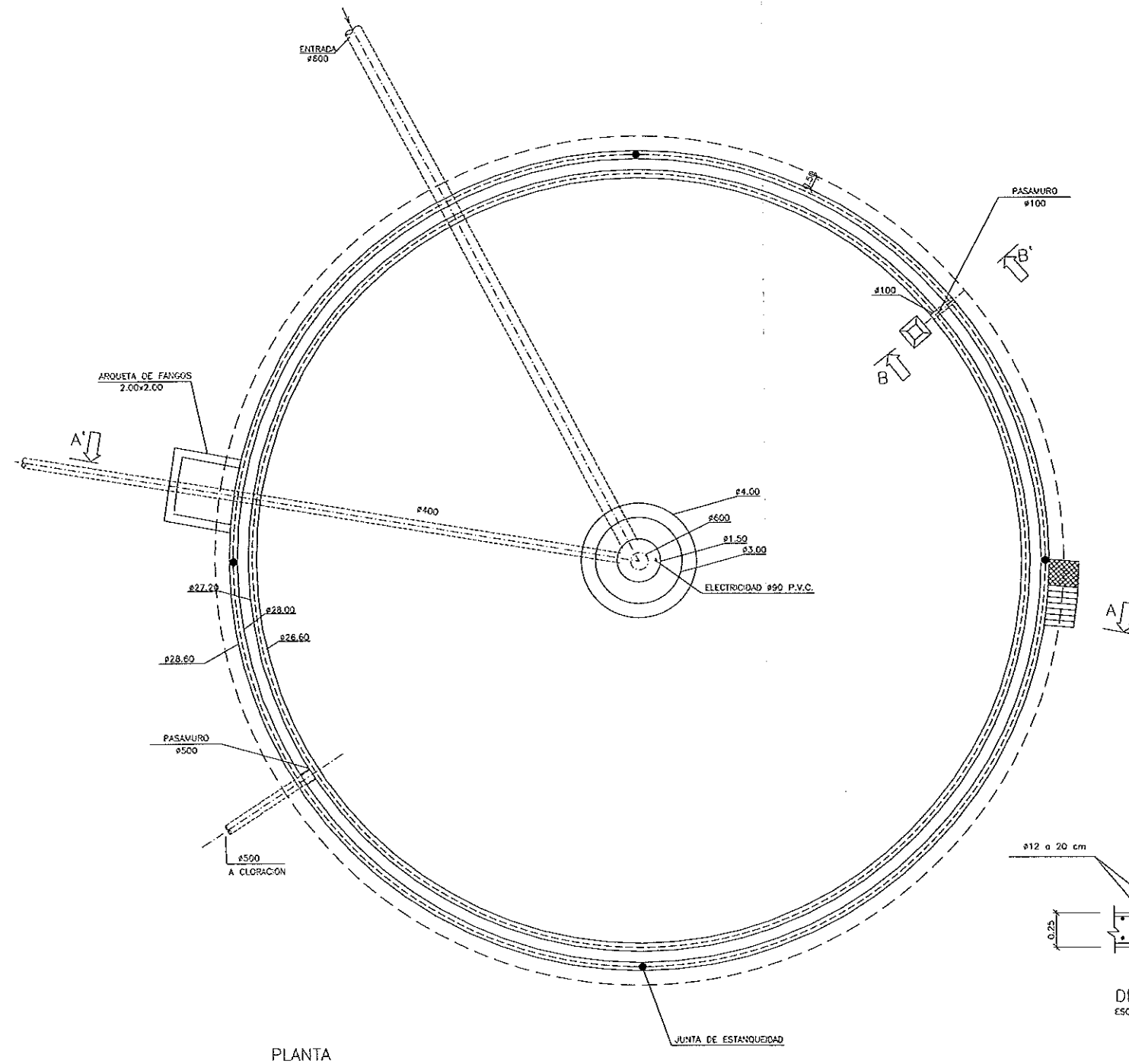
	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60



SECCIÓN A - A'



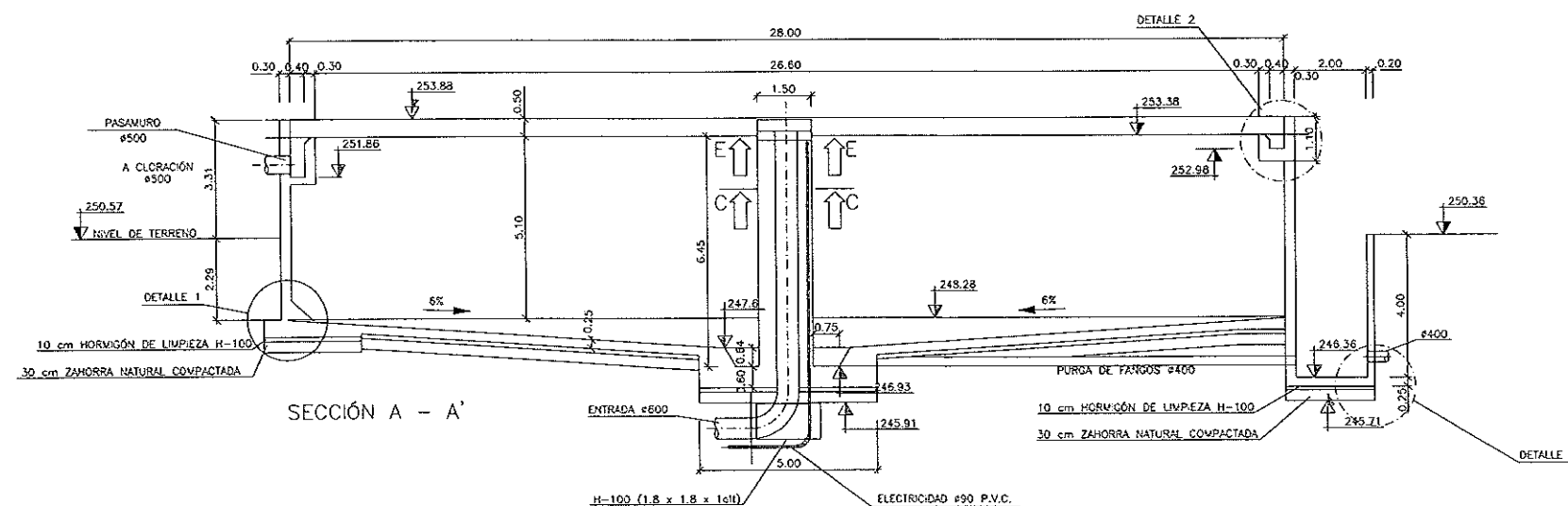
DETALLE "1"

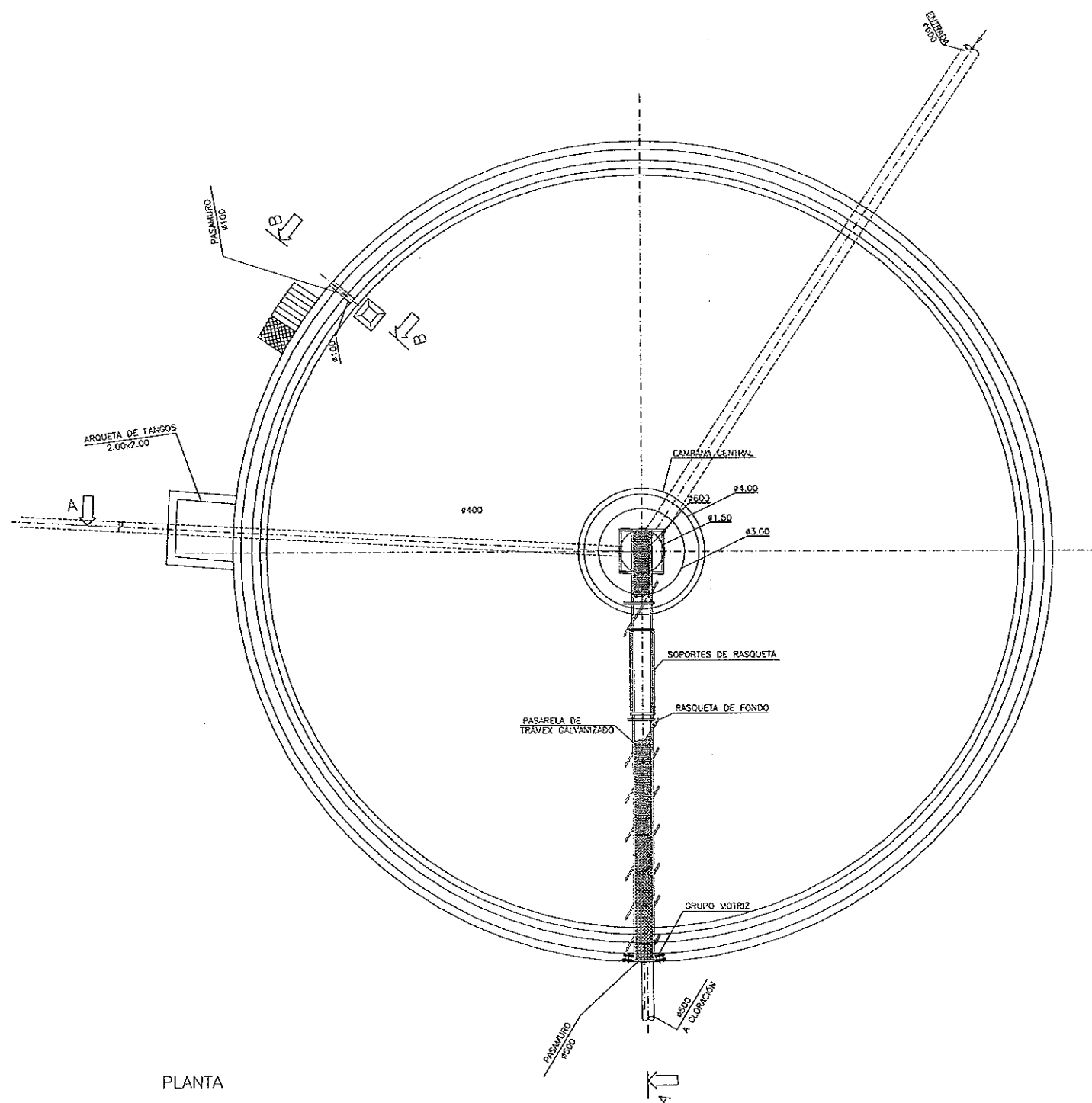


LEYENDA	
●	JUNTA DE ESTANQUEIDAD VERTICAL

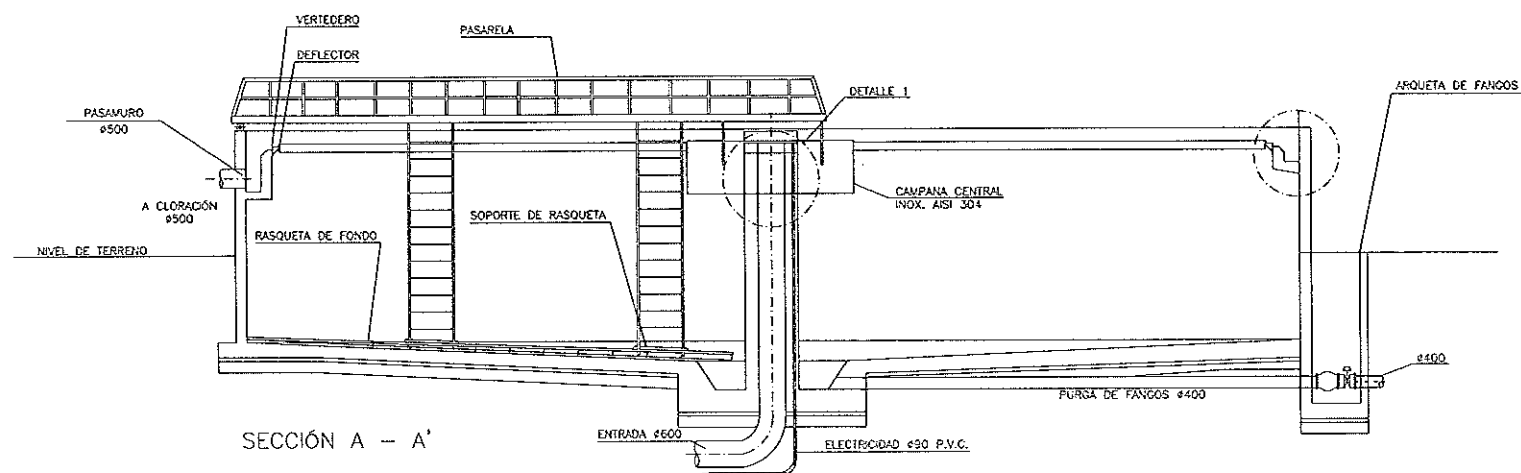
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H-200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

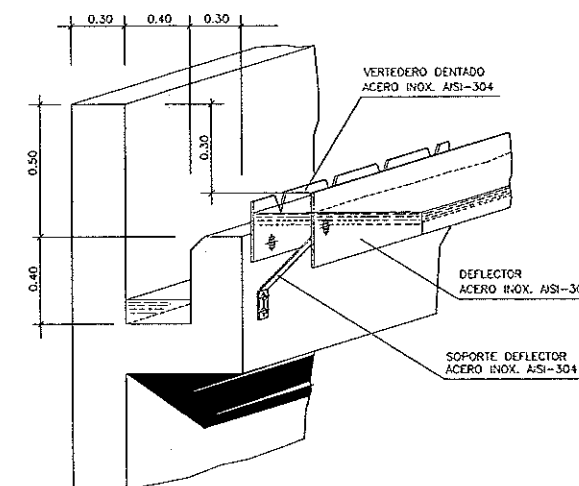




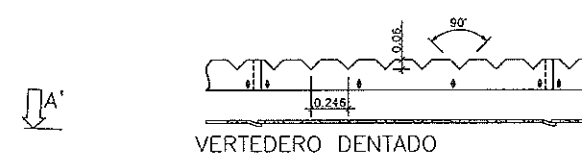
PLANTA



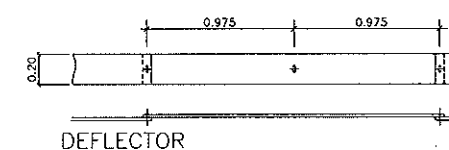
SECCIÓN A - A'



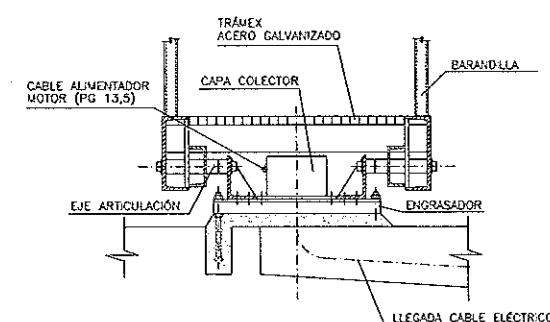
DETALLE DE MONTAJE
ESCALA = 1:50



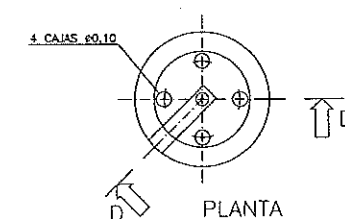
VERTEDERO DENTADO



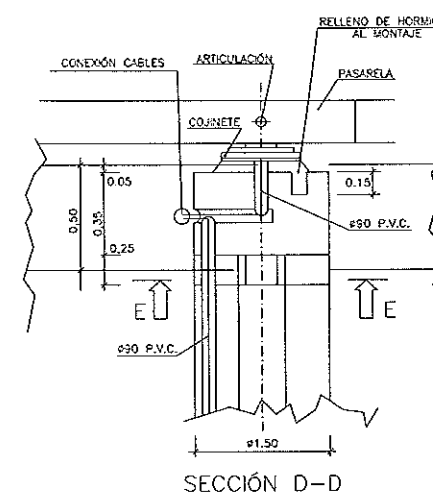
DEFLECTOR



DETALLE PIVOTE CENTRAL
ESCALA = 1:25

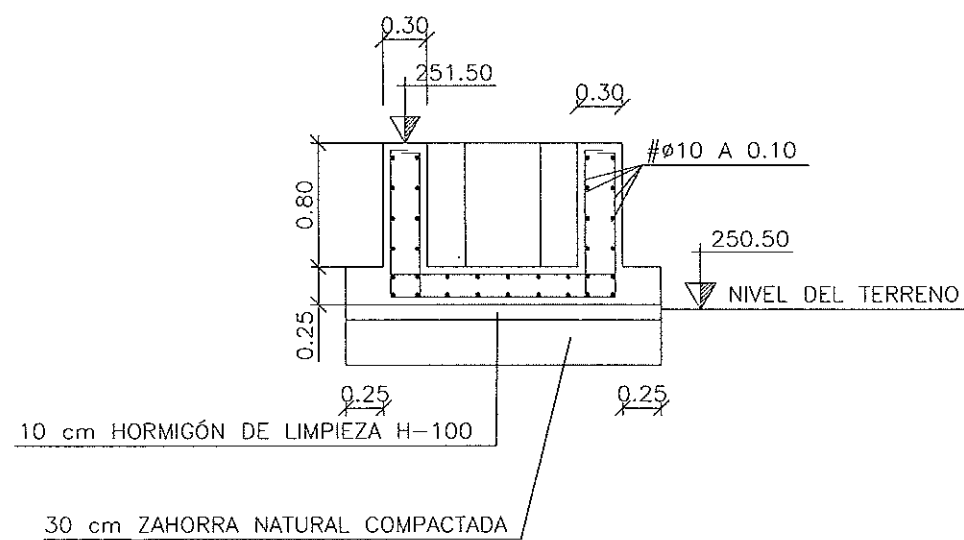
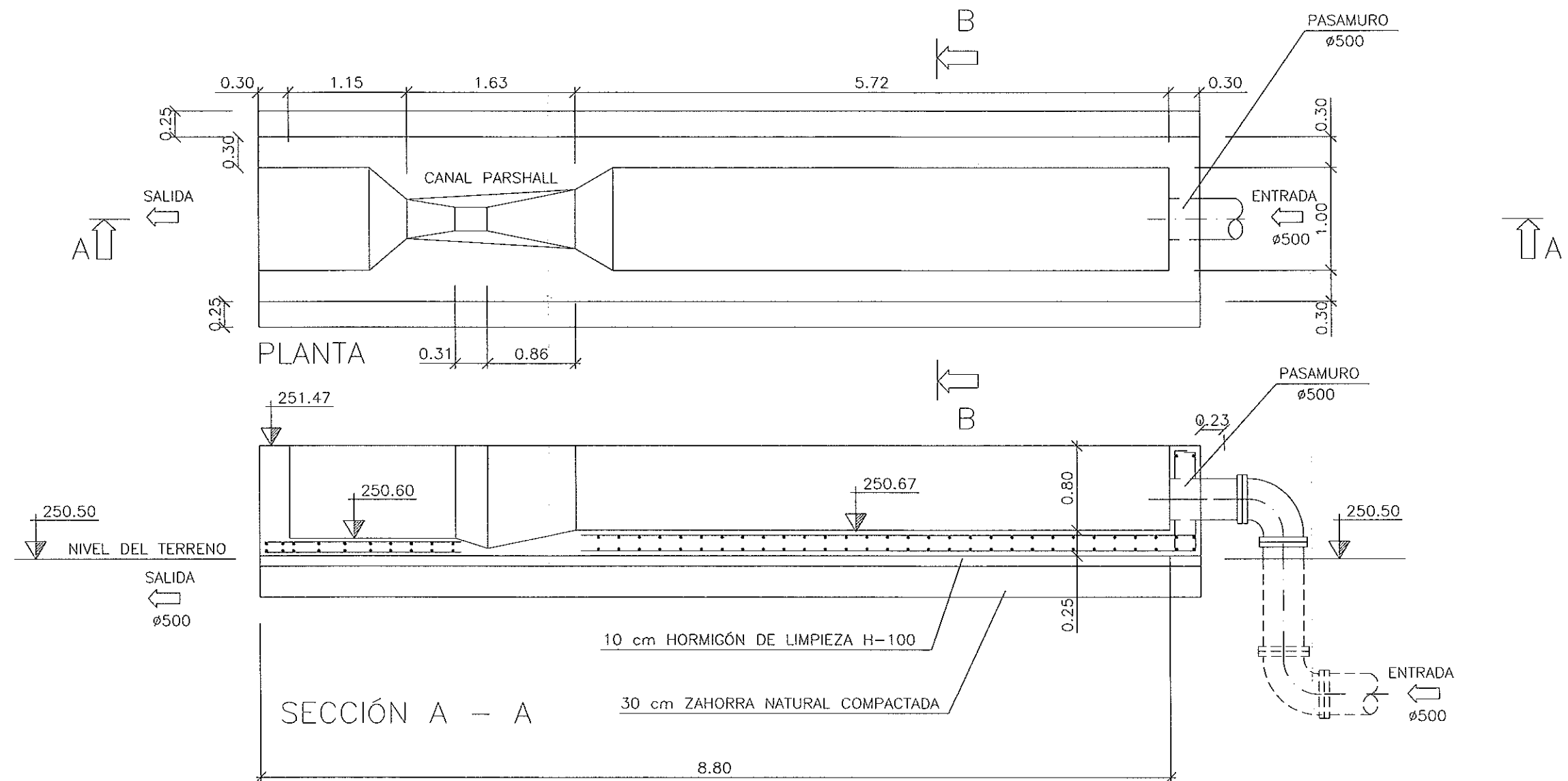


PLANTA



SECCIÓN D-D

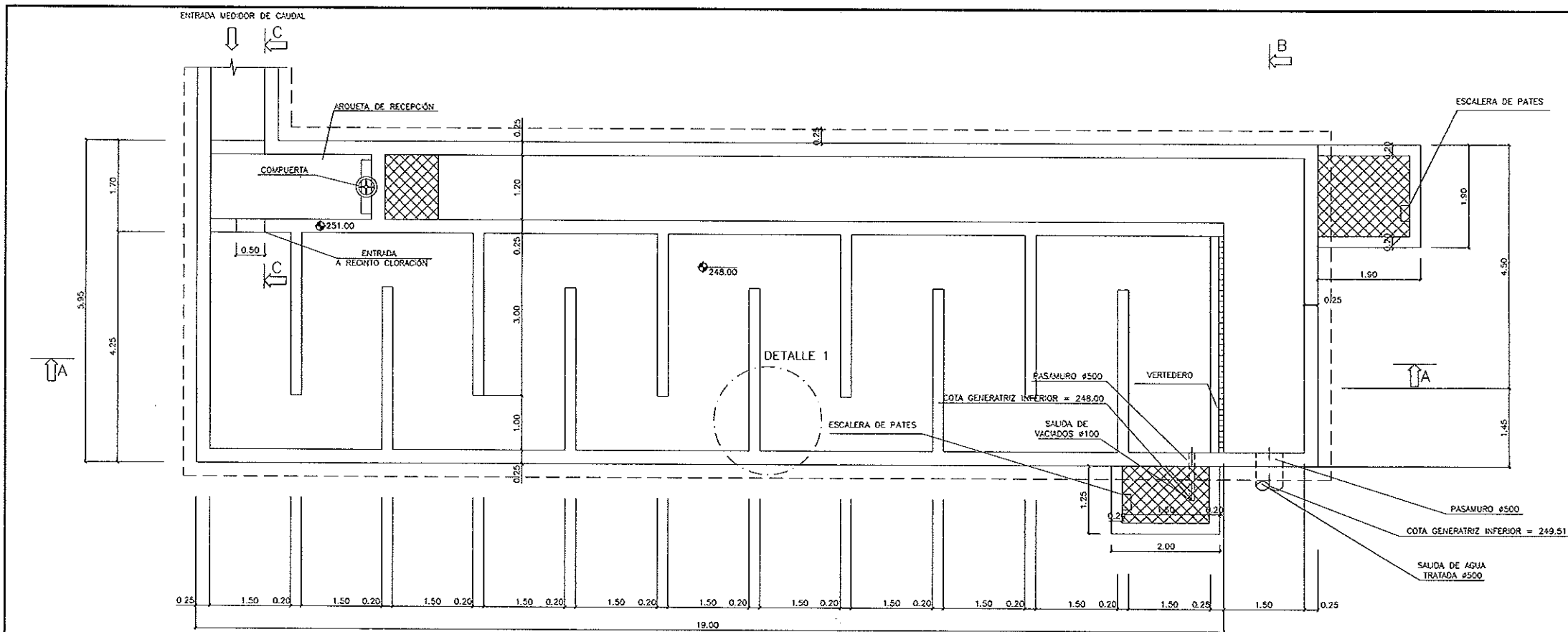
DETALLE 1
ESCALA = 1:25



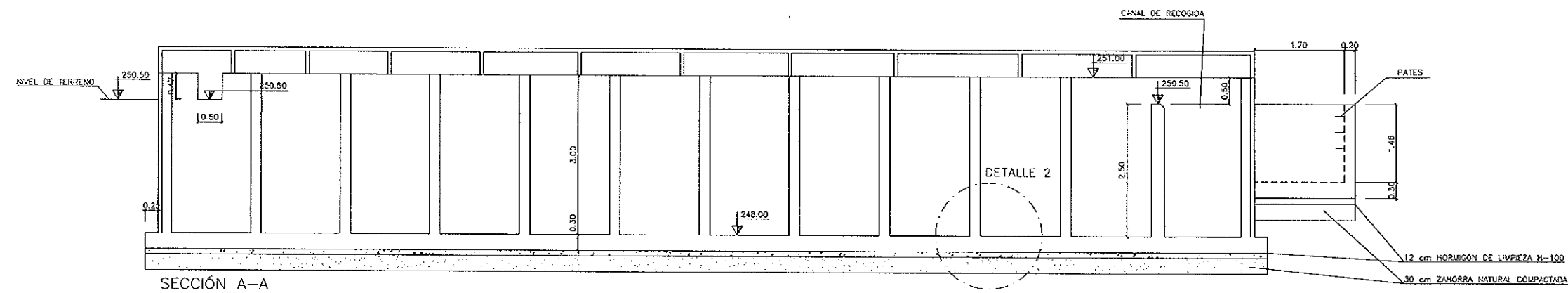
CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60

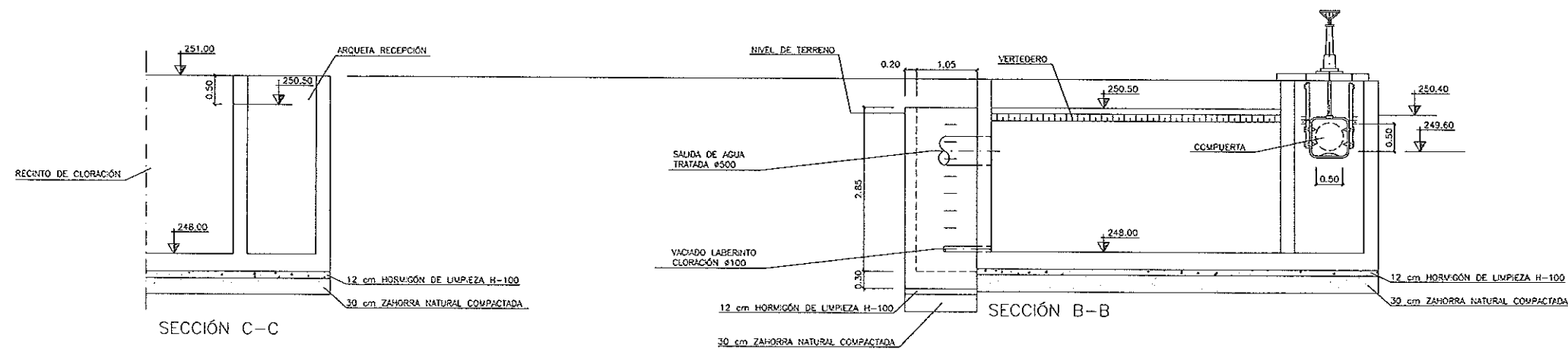
SECCIÓN B - B



PLANTA

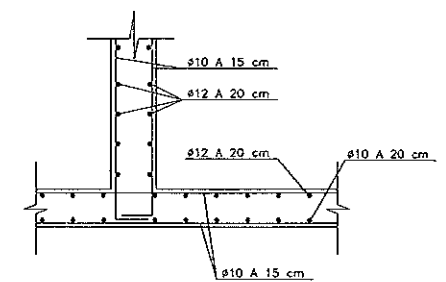


SECCIÓN A-A

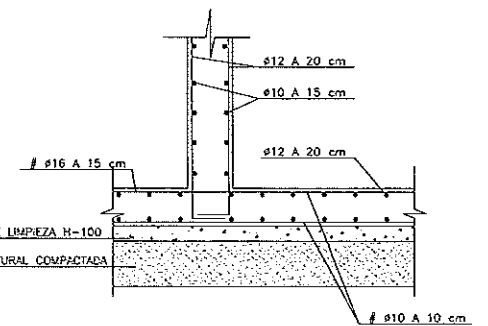


SECCIÓN C-C

SECCIÓN B-B



DETALLE "1"



DETALLE "2"

LEYENDA

CONTROL DE CALIDAD

	DEFINICIÓN	NIVEL DE CONTROL	COEFICIENTE DE SEGURIDAD
HORMIGÓN	H.200	NORMAL	c=1,5
ACERO	A.E.H.500	NORMAL	s=1,15
EJECUCIÓN		NORMAL	f=1,60