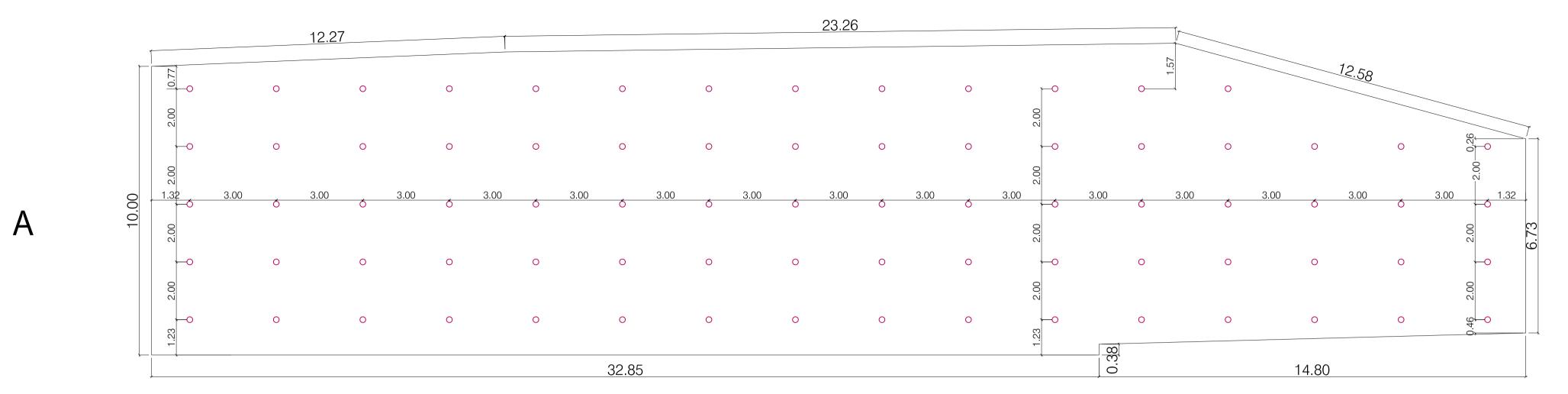
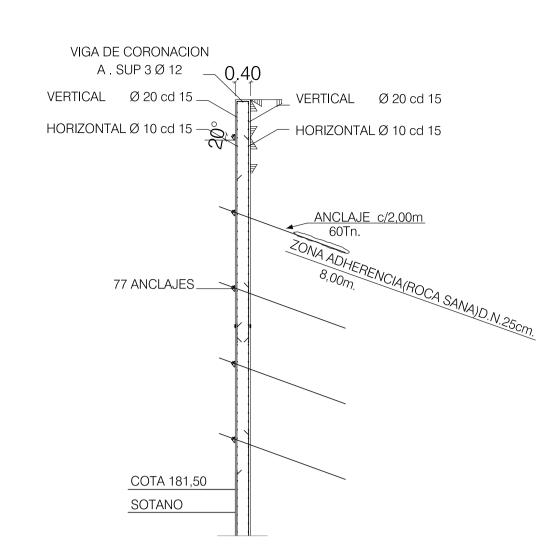
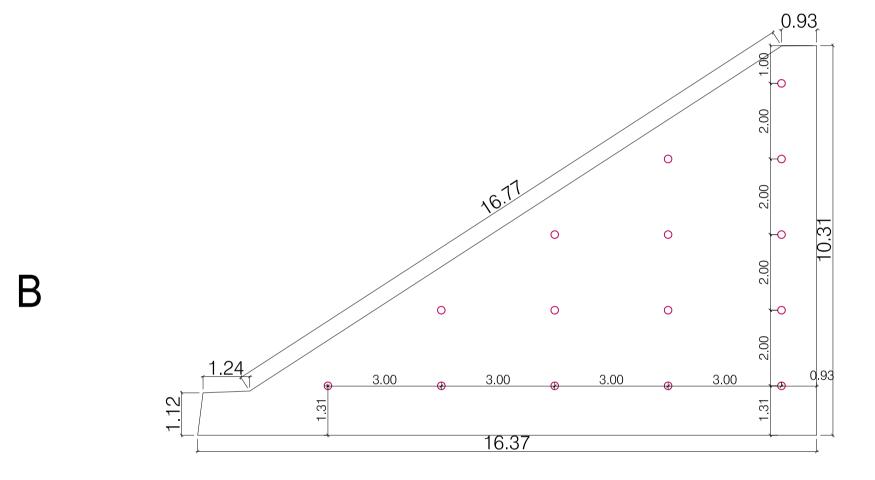
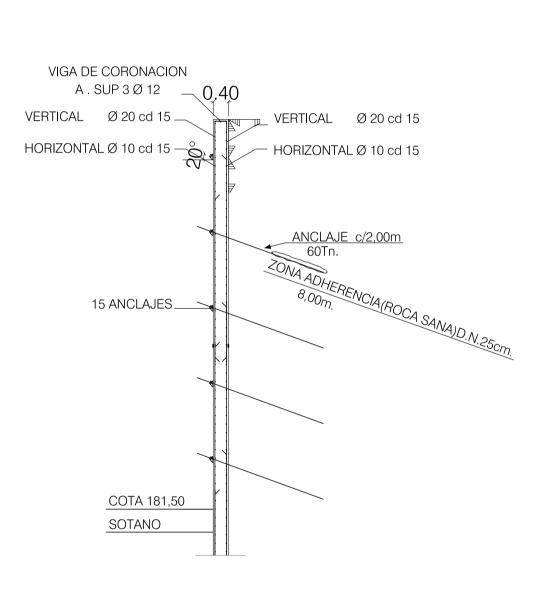


ZONA 1 (1ª FASE)

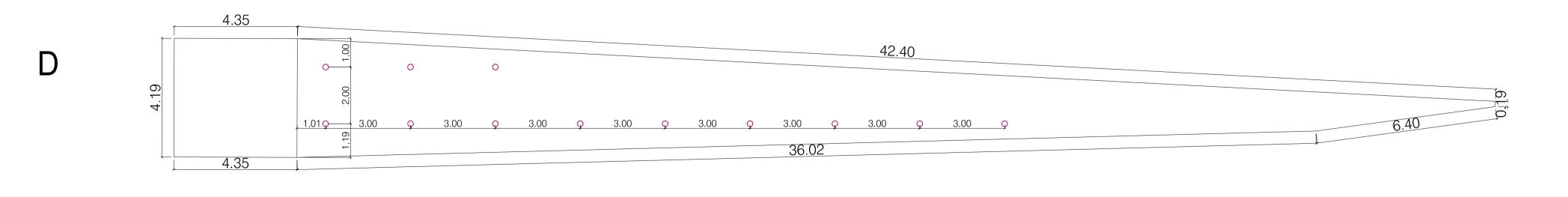


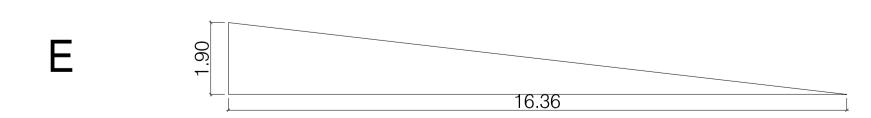


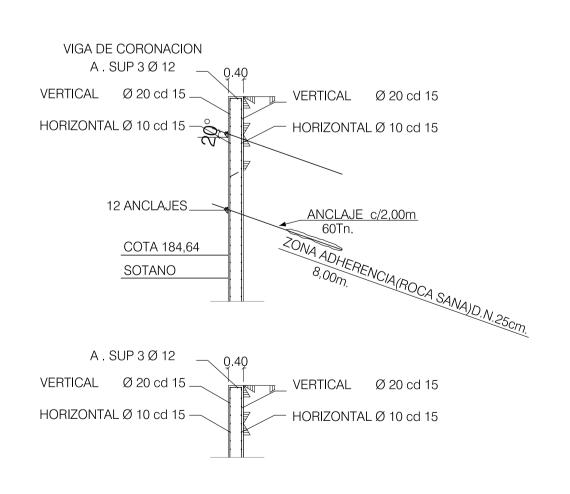




ZONA 1 (2ª FASE)







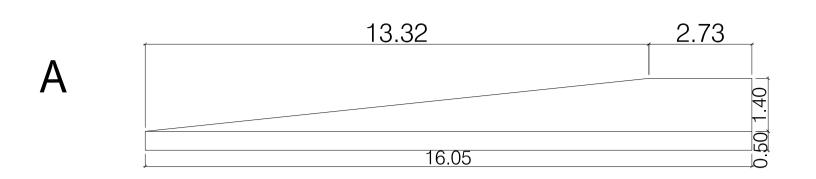


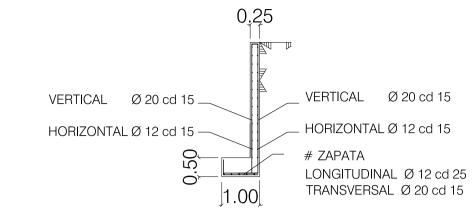
OBRAS DE HORMIGON MUROS Y LOSAS

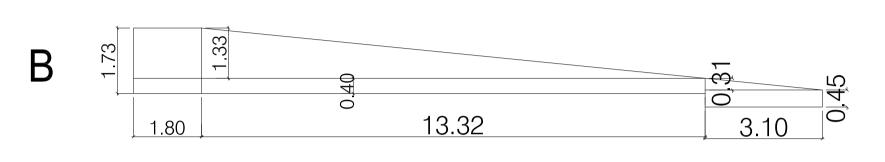
promotor:
CONSTRUCCIONES
LEZIAGA 1995 S.L.

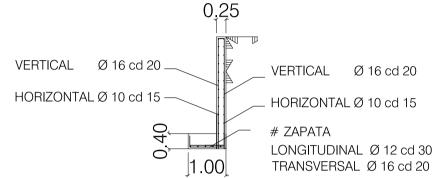
GURBAIN SL
aqto. representante:
JORGE UNCETA-BARRENECHEA SISTIAGA

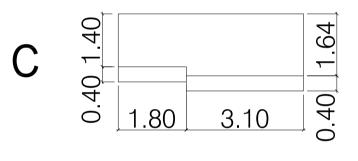
ZONA 2

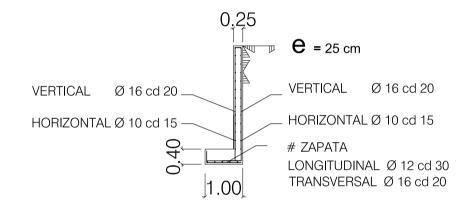


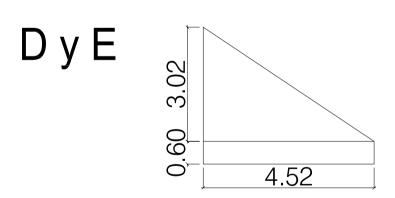


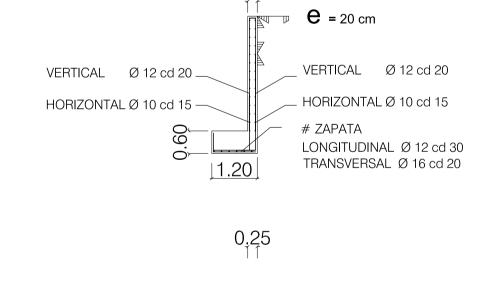


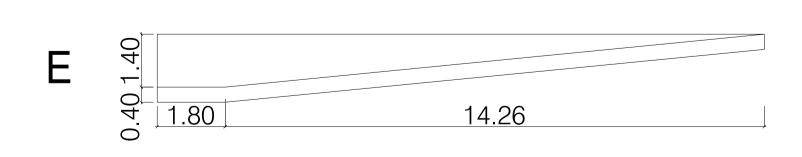


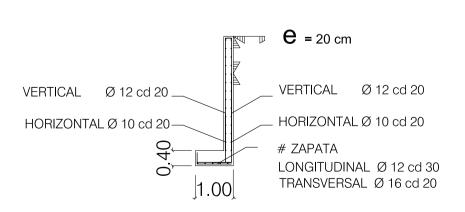




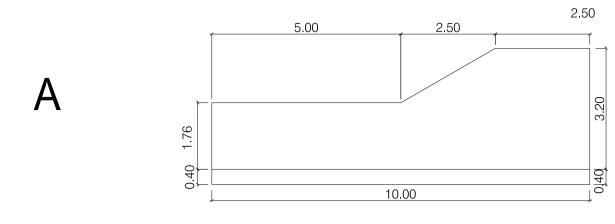


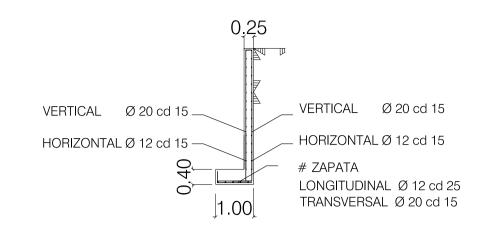


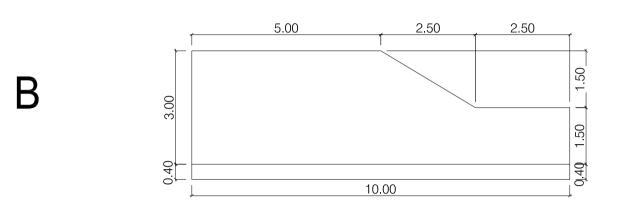


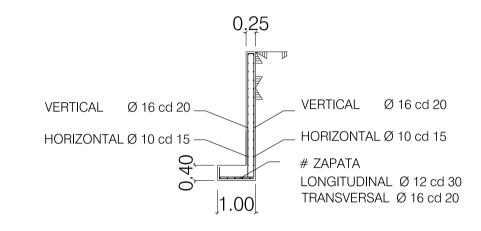


ZONA 3







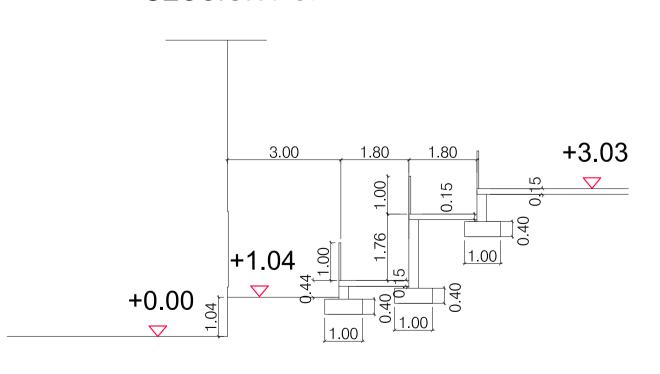


ZONA 2

SECCION POR VENTANA ESTADO ACTUAL A - A'

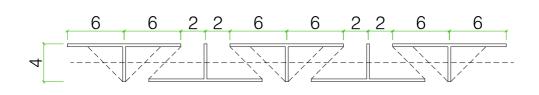


SECCION POR VENTANA ESTADO PROPUESTO A - A'

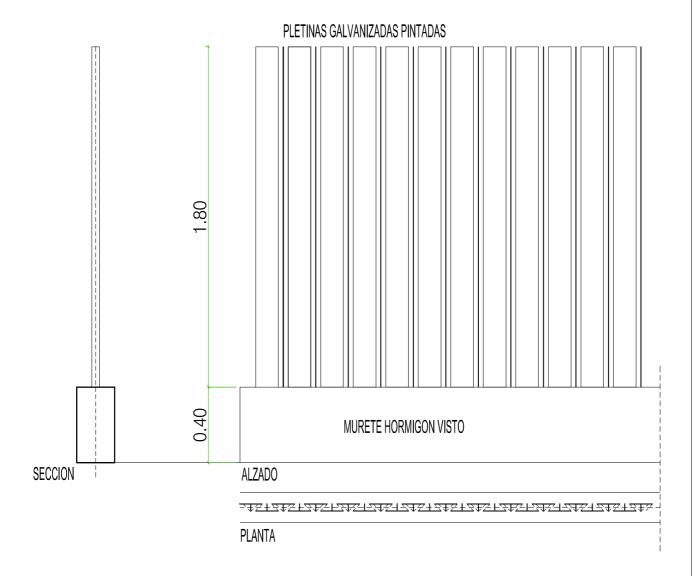


14c

1:100 Septiembre. 2017



DETALLE PLANTA



PROYECTO DE URBANIZACION EN LA A-09 ZERUKOA ERMUA (BIZKAIA)



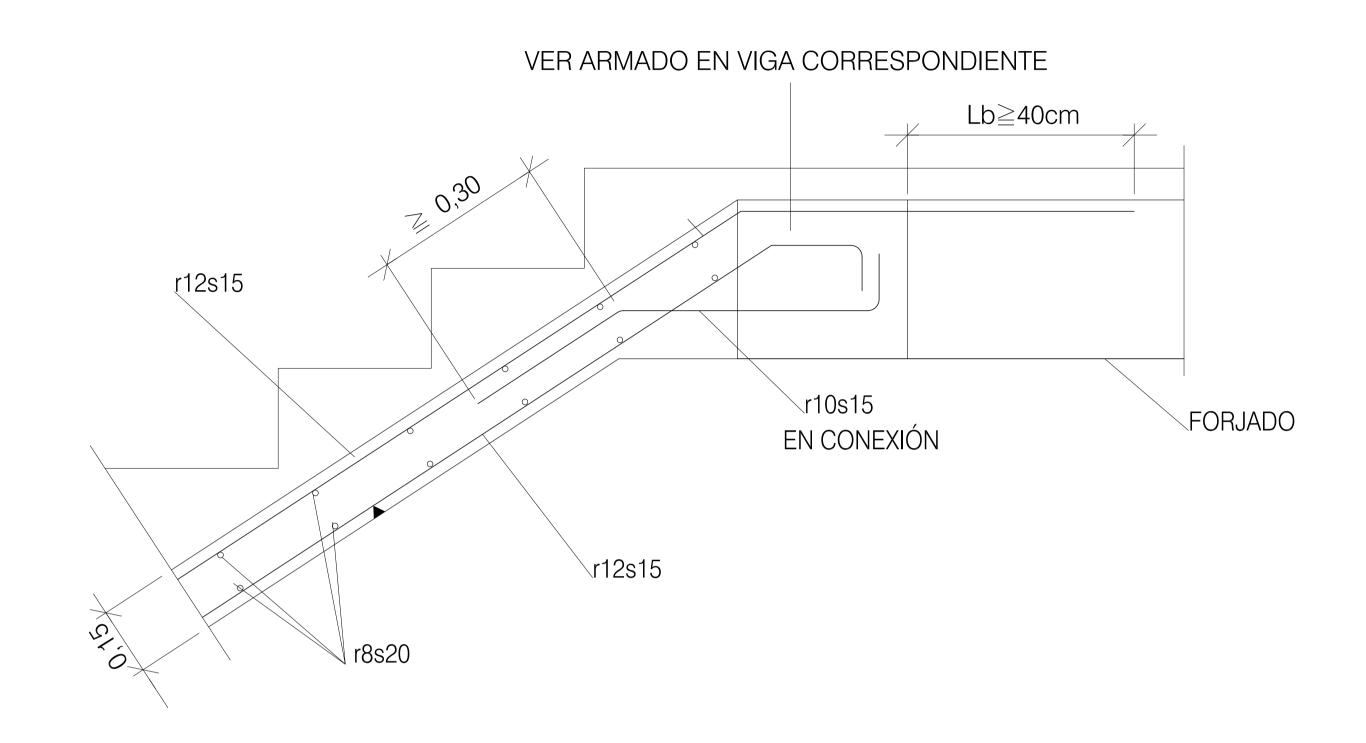
promotor: CONSTRUCCIONES arquitecto:



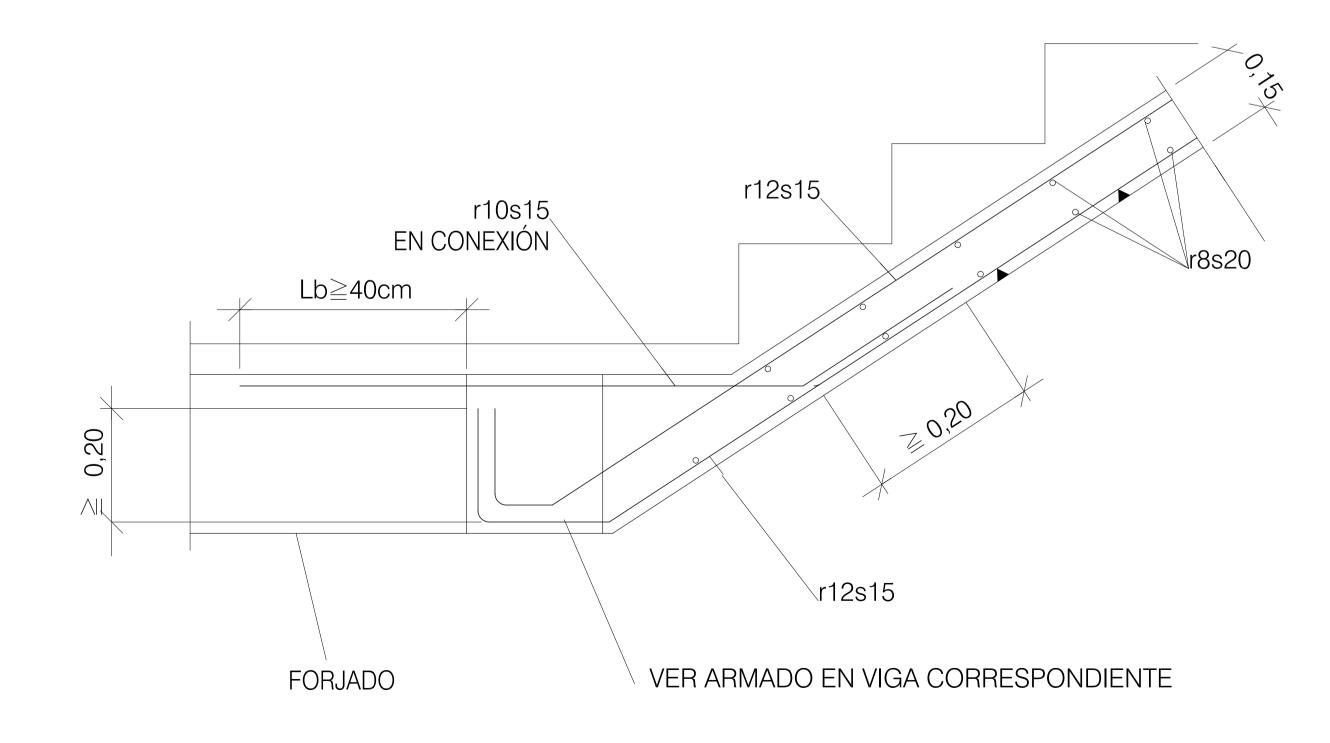
MURO SEPARADOR (ZONAS 2)

Septiembre 2017

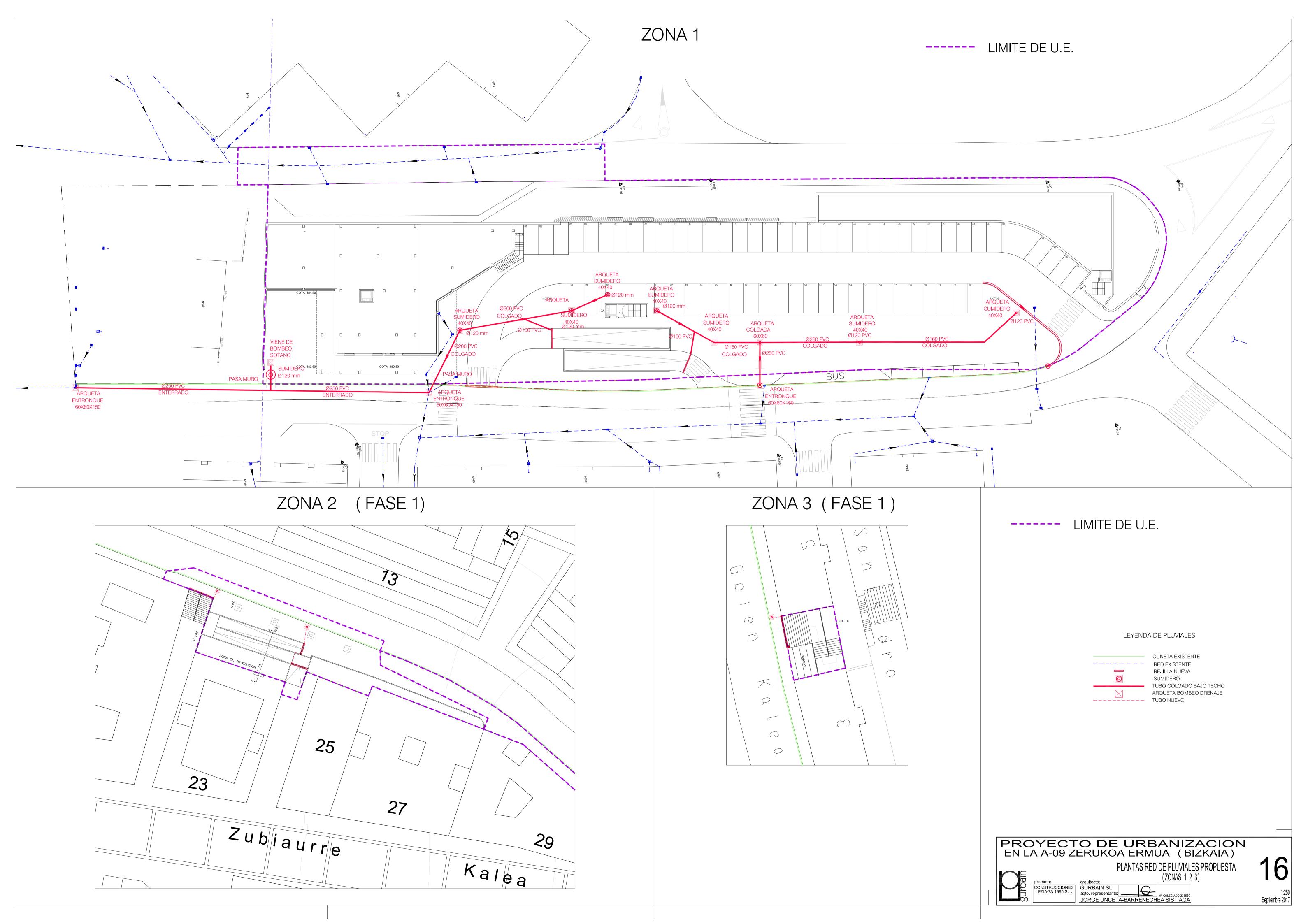
ENTREGA DE ZANCA EN VIGA EN FORJADO

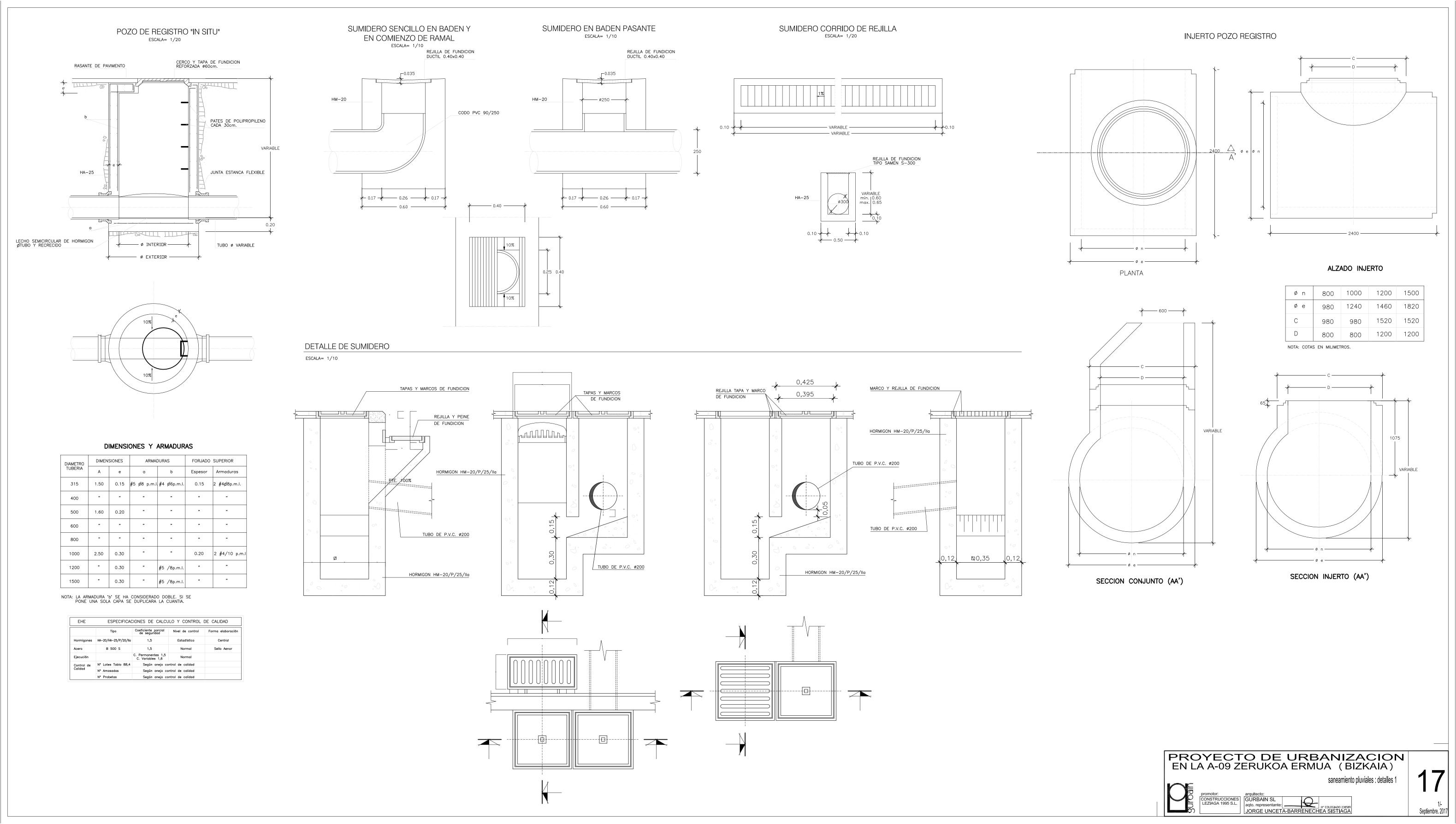


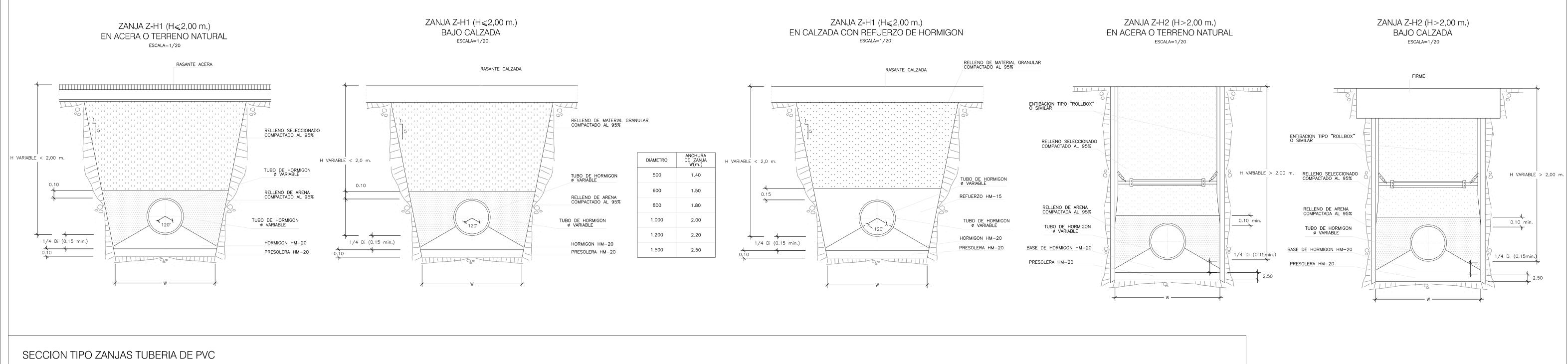
ARRANQUE DE ZANCA EN VIGA EN FORJADO

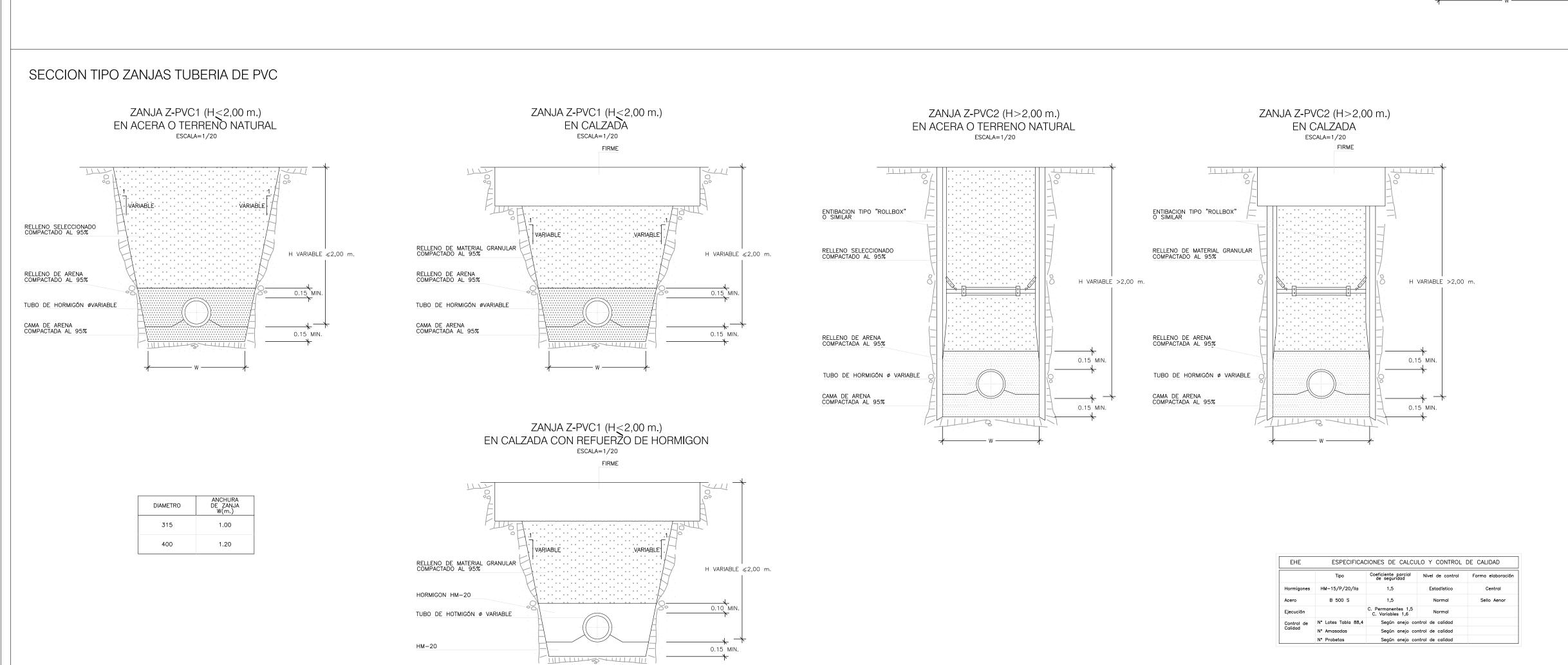


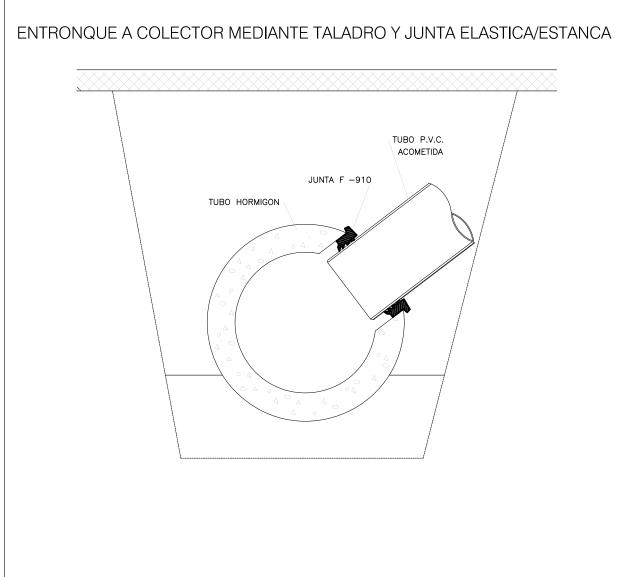
1:50 Septiembre. 2017

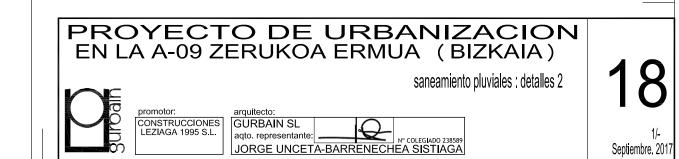


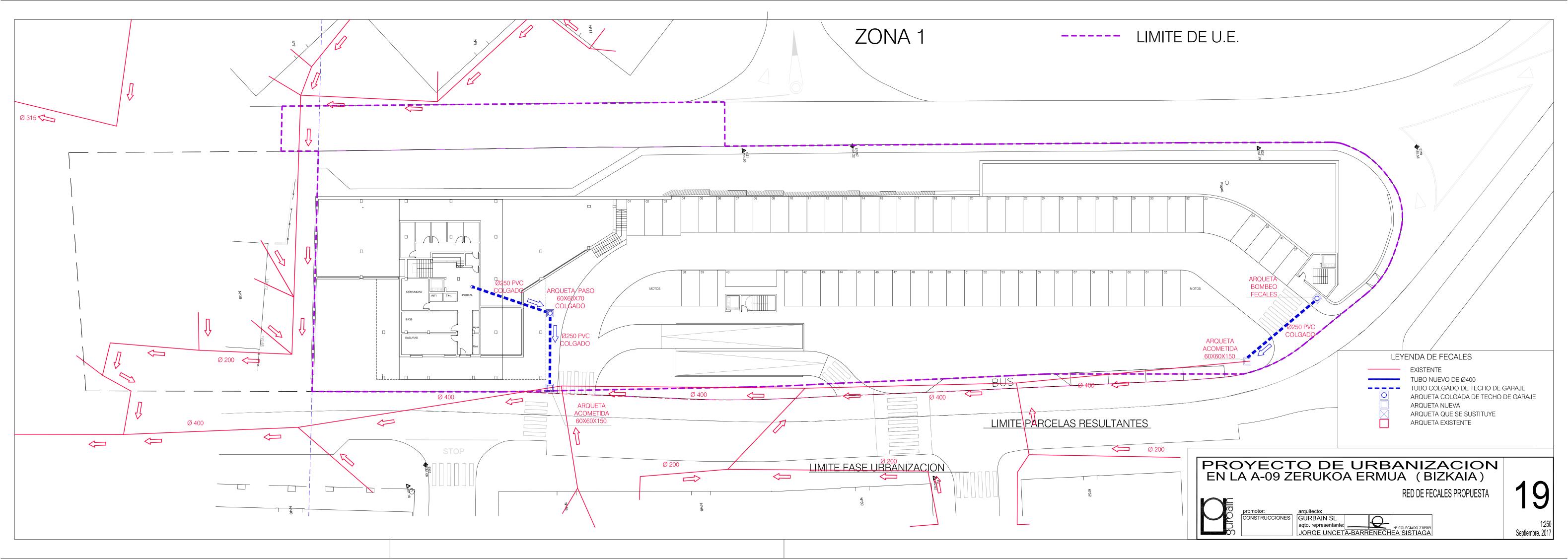








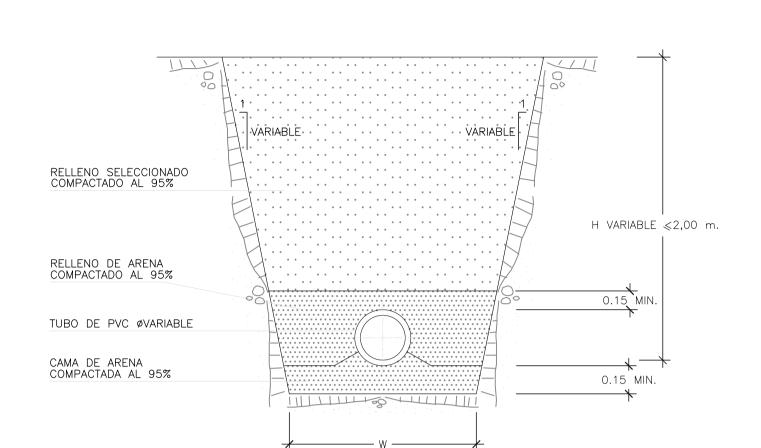




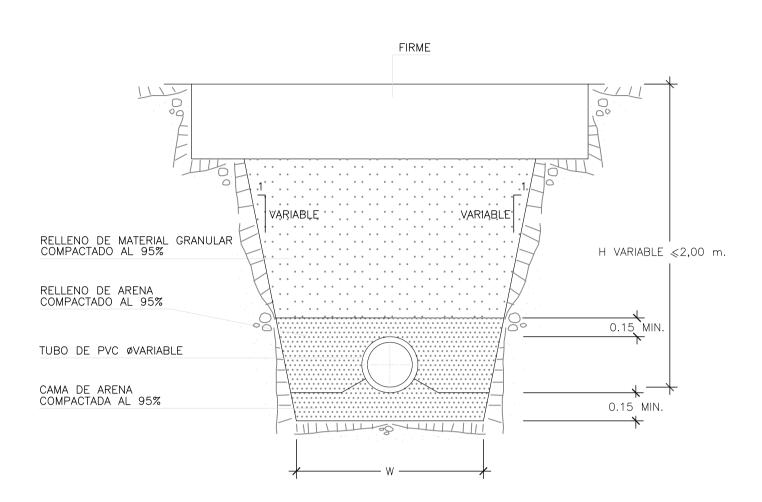
SECCION TIPO ZANJAS TUBERIA DE PVC

E = 1/20

ZANJA Z-PVC1 (H≤2,00 m.) EN ACERA O TERRENO NATURAL



ZANJA Z-PVC1 (H≤2,00 m.) EN CALZADA



ANCHURA DE ZANJA W(m.)

1.00

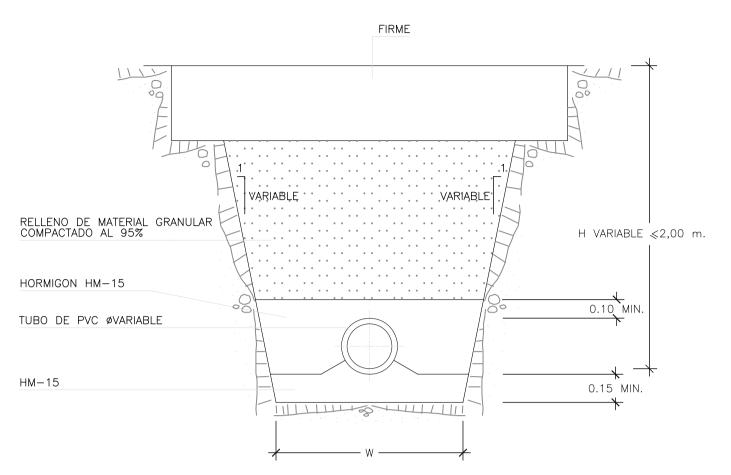
1.20

DIAMETRO

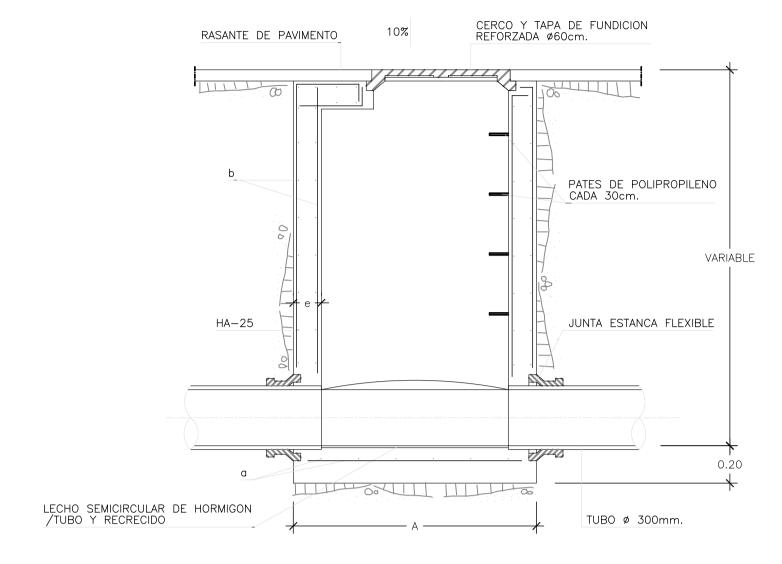
315

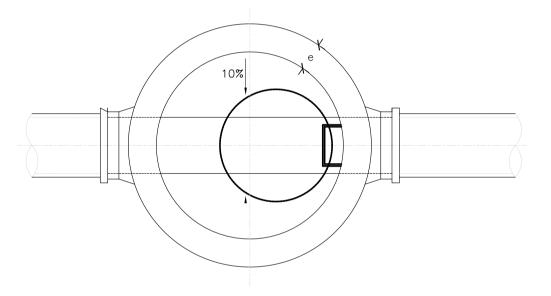
400

ZANJA Z-PVC1 (H≤2,00 m.) EN CALZADA CON REFUERZO DE HORMIGON E= 1/20

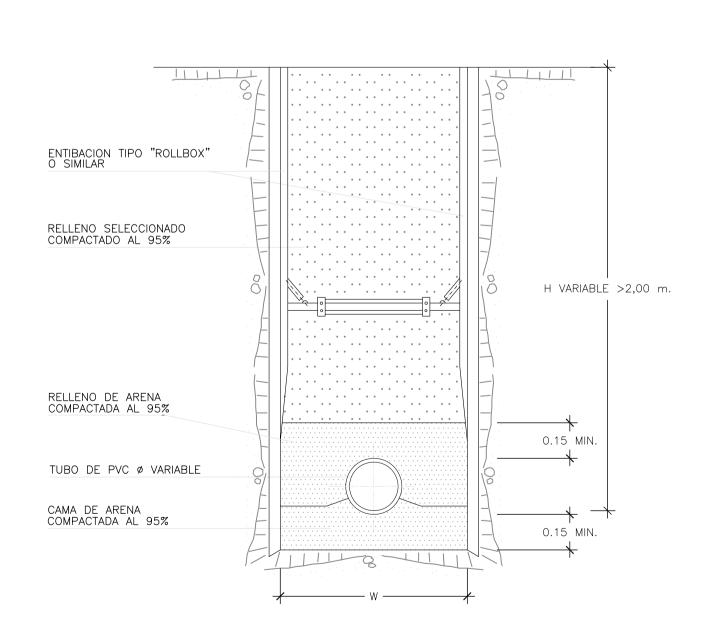


POZO DE REGISTRO E= 1/20

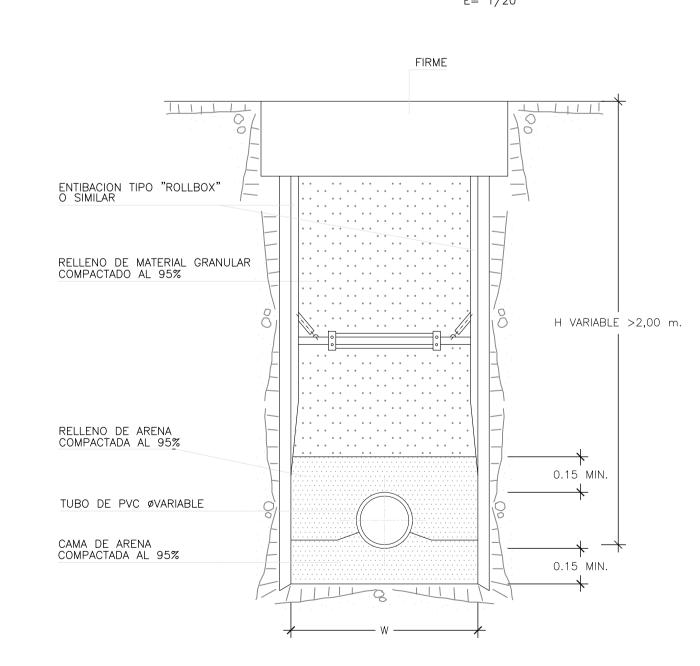




ZANJA Z-PVC2 (H>2,00 m.) EN ACERA O TERRENO NATURAL E= 1/20



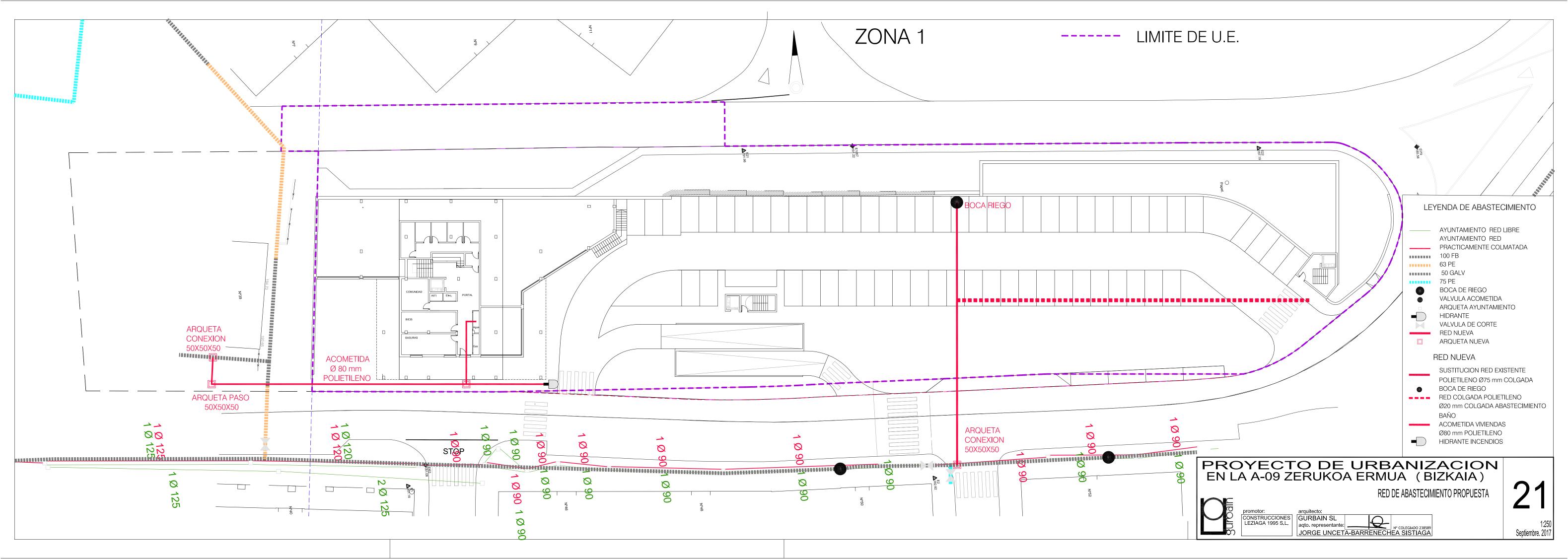
ZANJA Z-PVC2 (H>2,00 m.) EN CALZADA

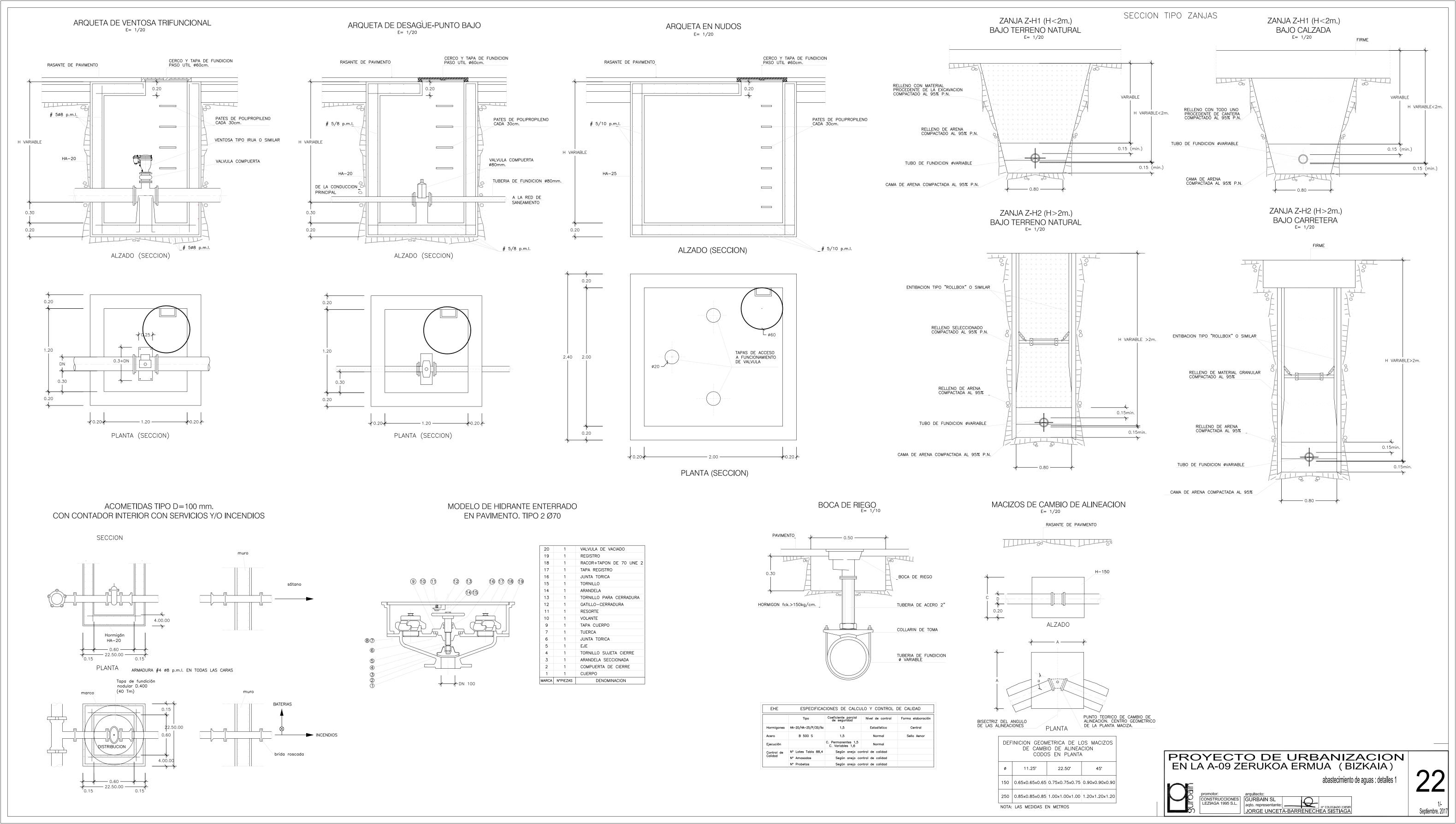


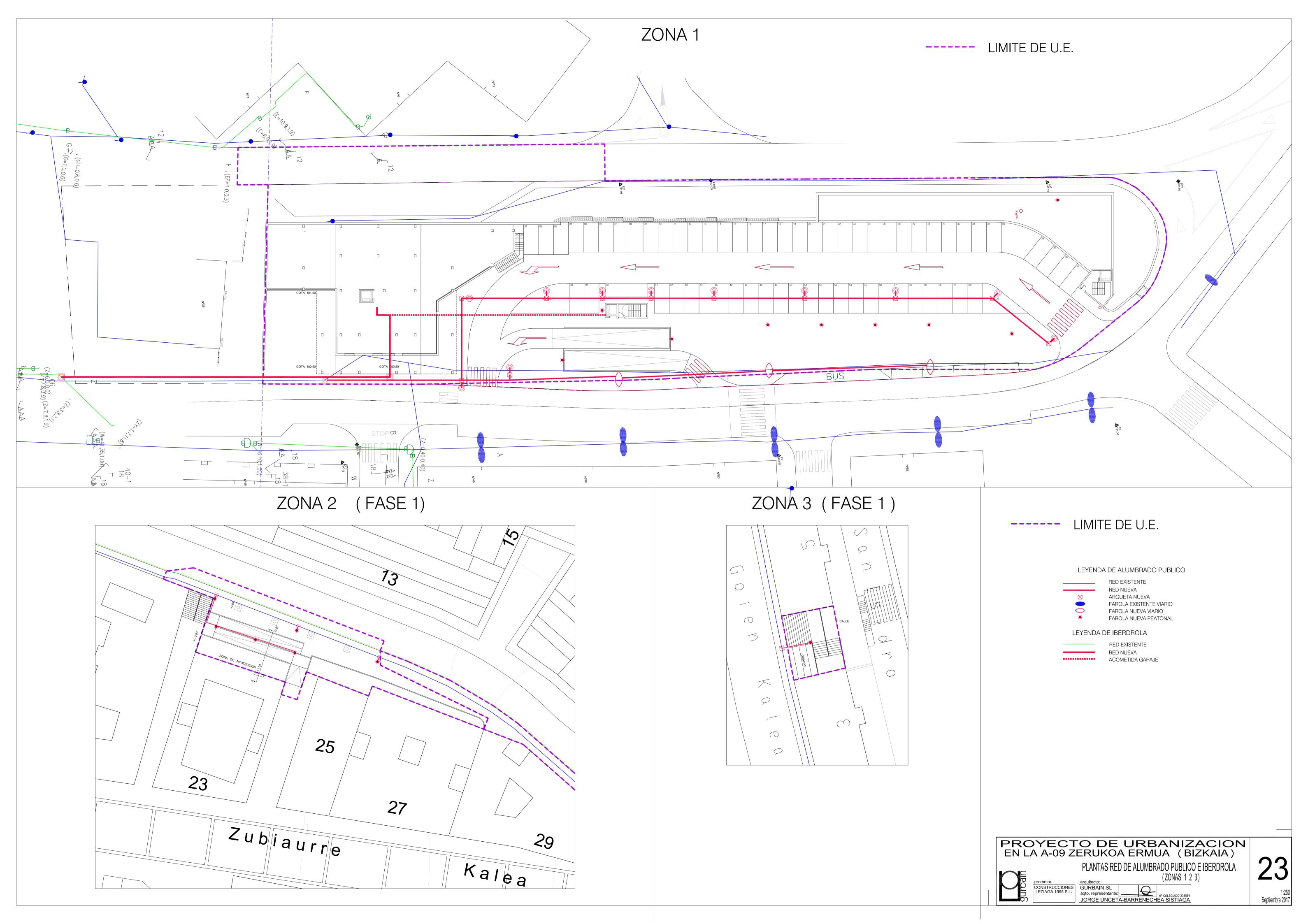
DIMENSIONES Y ARMADURAS

DIMENSIONES		ARMA	ARMADURAS		FORJADO SUPERIOR		
Α	е	а	b	Espesor	Armaduras		

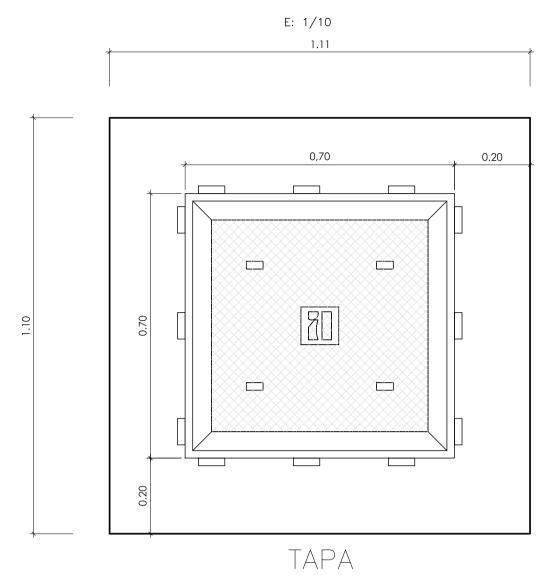
EHE	ESPECIFICACIONES DE CALCULO Y CONTROL DE CALIDAD						
	Tipo	Coeficiente parcial de seguridad	Nivel de control	Forma elaboració			
Hormigones	HA-25/P/20/IIa	1,5	Estadístico	Central			
Acero	B 500 S	1,5	Normal	Sello Aenor			
Ejecución		C. Permanentes 1,5 C. Variables 1,6	Normal				
Control de	N° Lotes Tabla 88,4	Según anex					
Calidad	N° Amasadas	Según anexo estructura					
	N° Probetas	Según anex	o estructura				

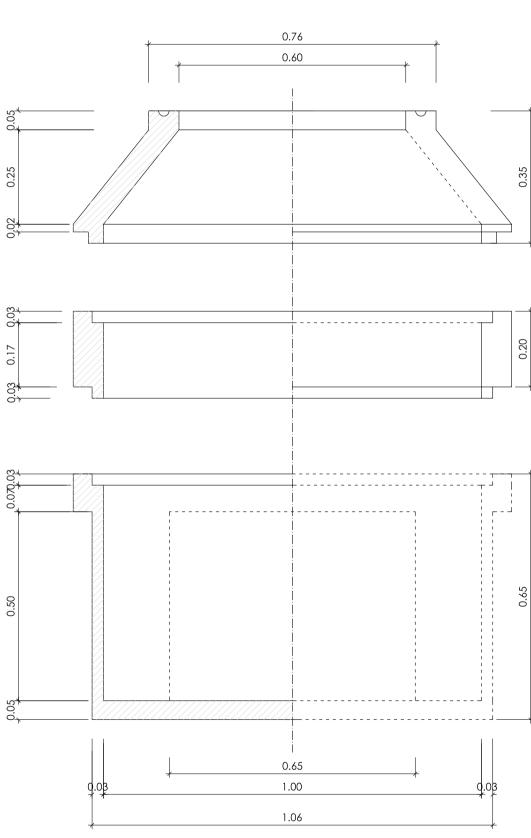


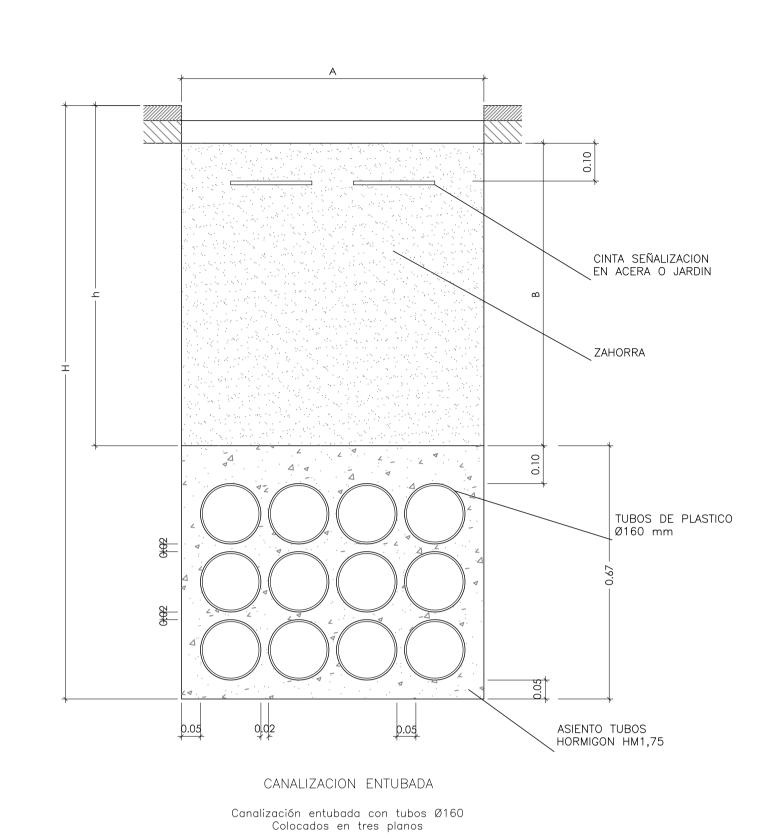




ARQUETA REGISTRABLE PREFABRICADA TIPO A

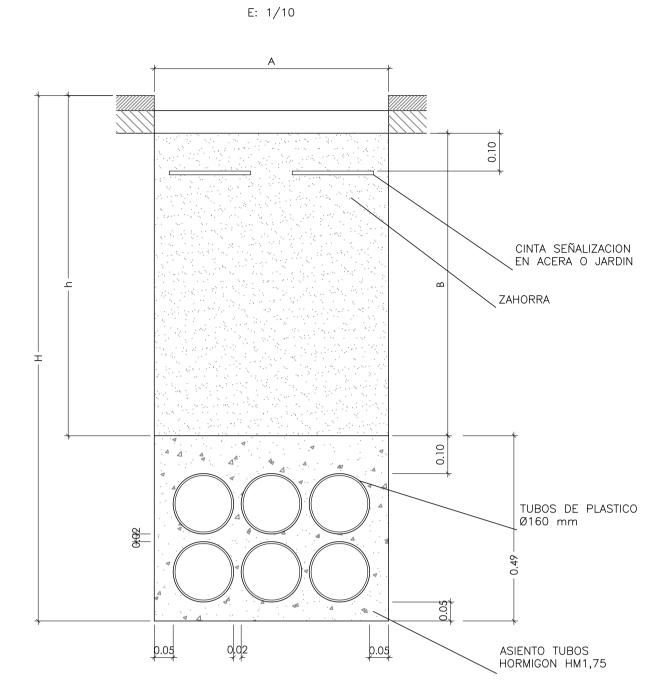






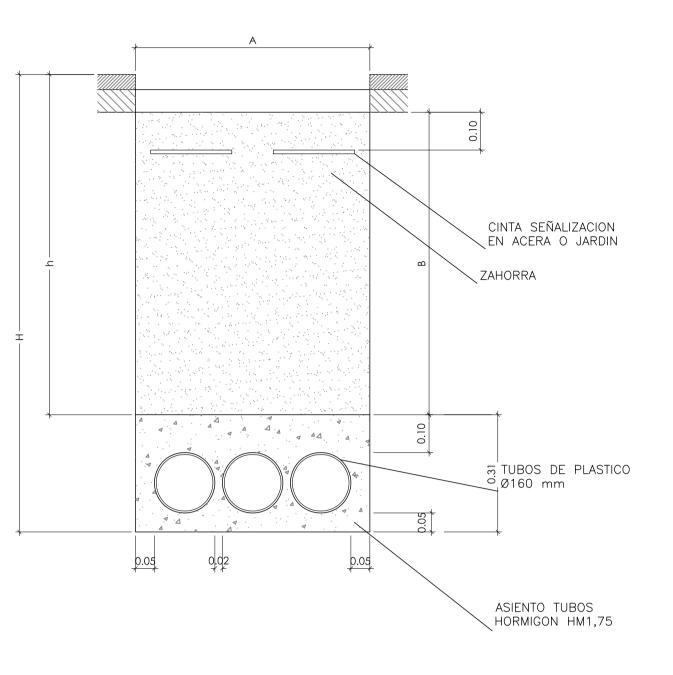
CANALIZACION Nº DE TUBOS ANCHURA PROFUNDIDAD ZANJA 1,50 0,80 0,80 1,30 ACERAS 0,80 0,60

CANALIZACIONES



CANALIZACION ENTUBADA Canalización entubada con tubos Ø160 Colocados en dos planos

CANALIZACION	N° DE TUBOS	ANCHURA	PROFUNDI	DAD ZANJA
	Ø160	(A)	(h)	(H)
CALZADAS	5 a 8	0,80	0,80	1,30
ACERAS	5 a 8	0,80	0,60	1,10

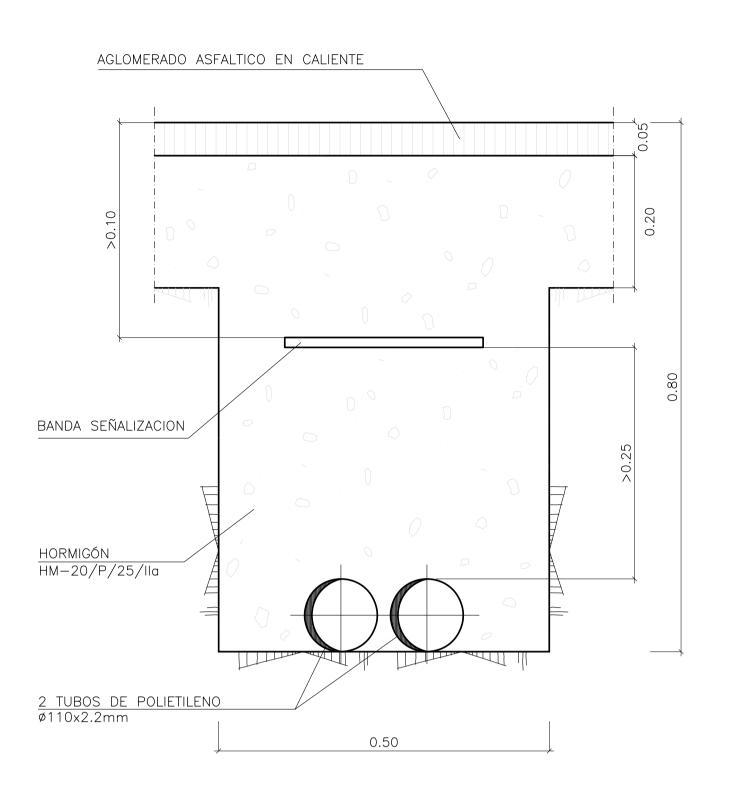


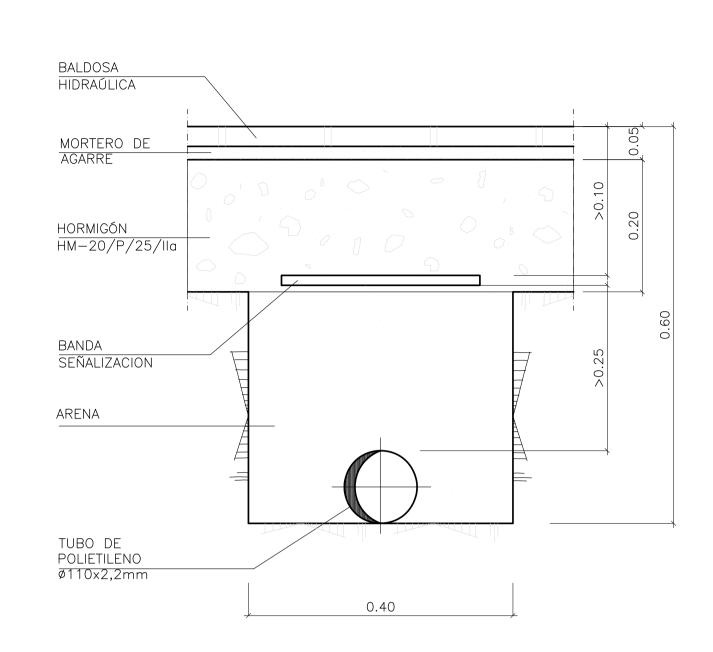
CANALIZACION ENTUBADA Canalización entubada con tubos Ø160 Colocados en un plano

CANALIZACION	N° DE TUBOS	ANCHURA	PROFUNDI	DAD ZANJA
	Ø160	(A)	(h)	(H)
CALZADAS	2 б З	0,62	0.80	1.10
CALZADAS	4	0,80	0,60	1,10
ACERAS	2 6 3	0,62	0,60	0.90
ACLINAS	4	0.80	0,00	0,90

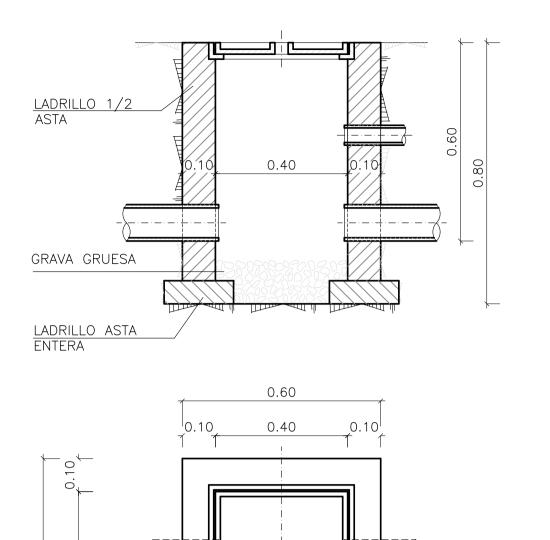
SECCION TIPO EN CALZADA

1/5



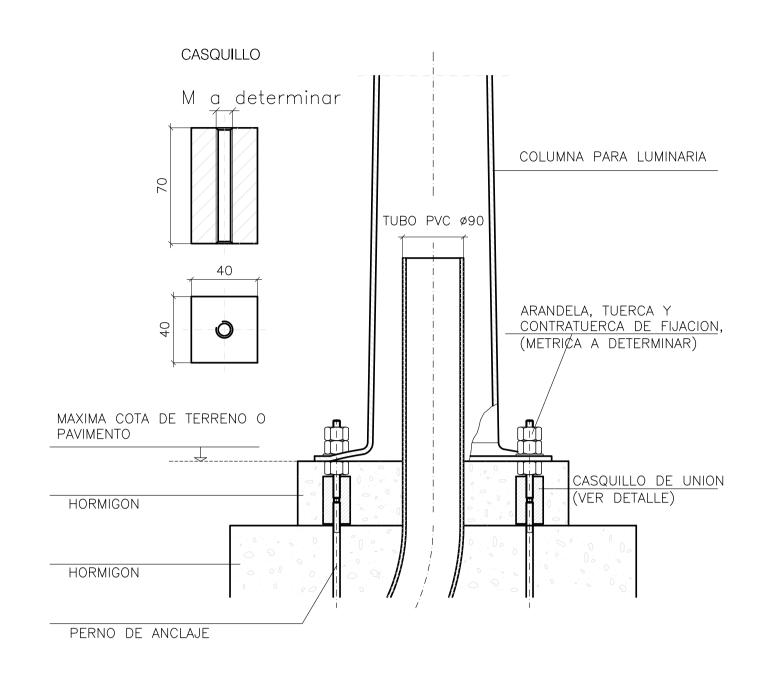


DETALLE DE ARQUETA 1/10



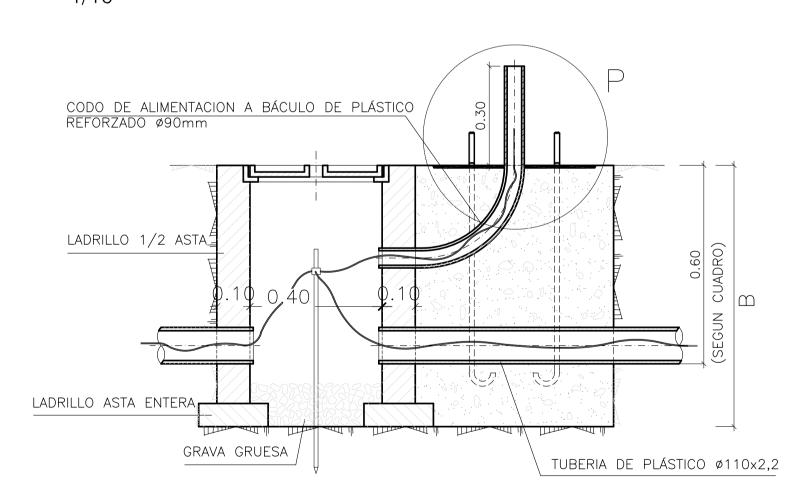
RECRECIDO DE CIMENTACION

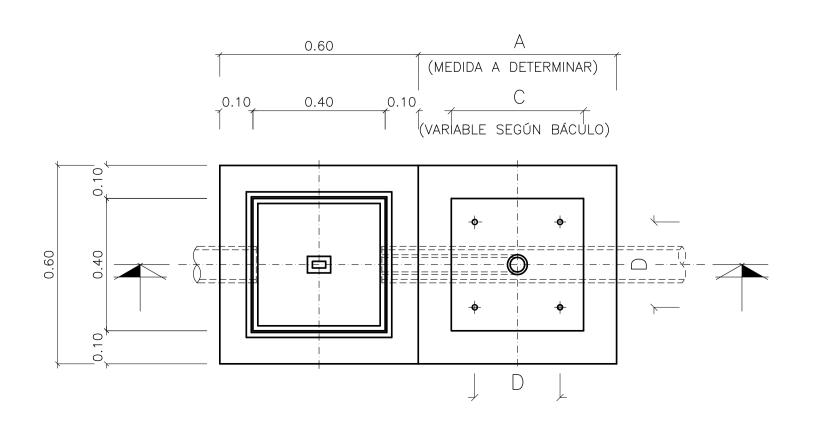
1:5



ARQUETA Y FUNDACIÓN DE COLUMNA PARA LUMINARIA

1/10



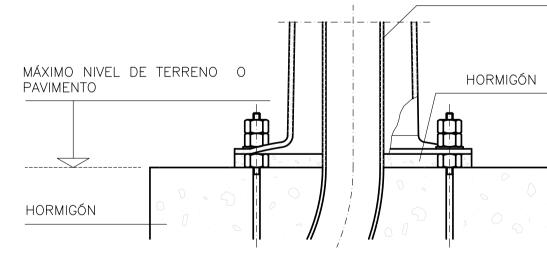


DETALLE P

1:5

TUBO PVC Ø90

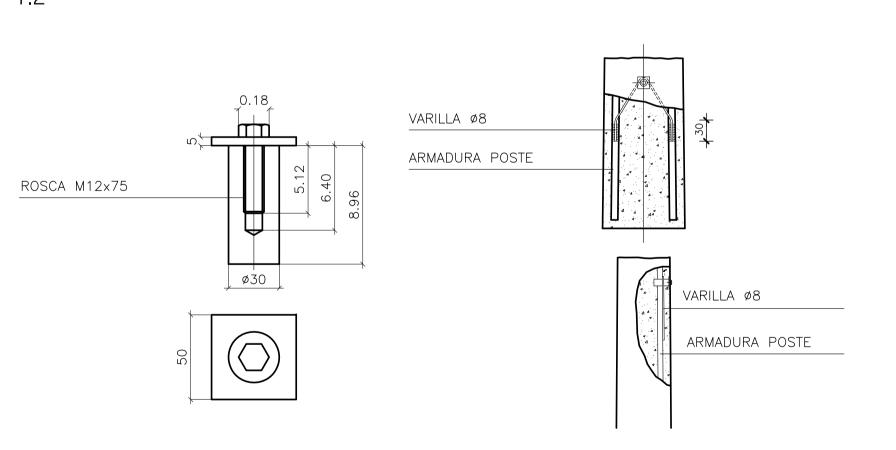
MÁXIMO NIVEL DE TERRENO O HORMIGÓ



MEDIDAS PARA BACULOS DE	А	W	С	D	PERNOS
	mm	mm	mm	mm	mm
3,50-4,00 m	400	600	250	200	M14x300
4,50 m	500	700	300	200	M14x300
8 m	600	900	400	285	M22×700
10 m	600	1000	400	285	M22×700
12 m	800	1100	400	285	M22×700

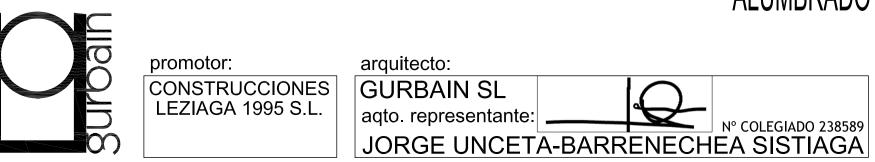
BORNE DE TIERRA

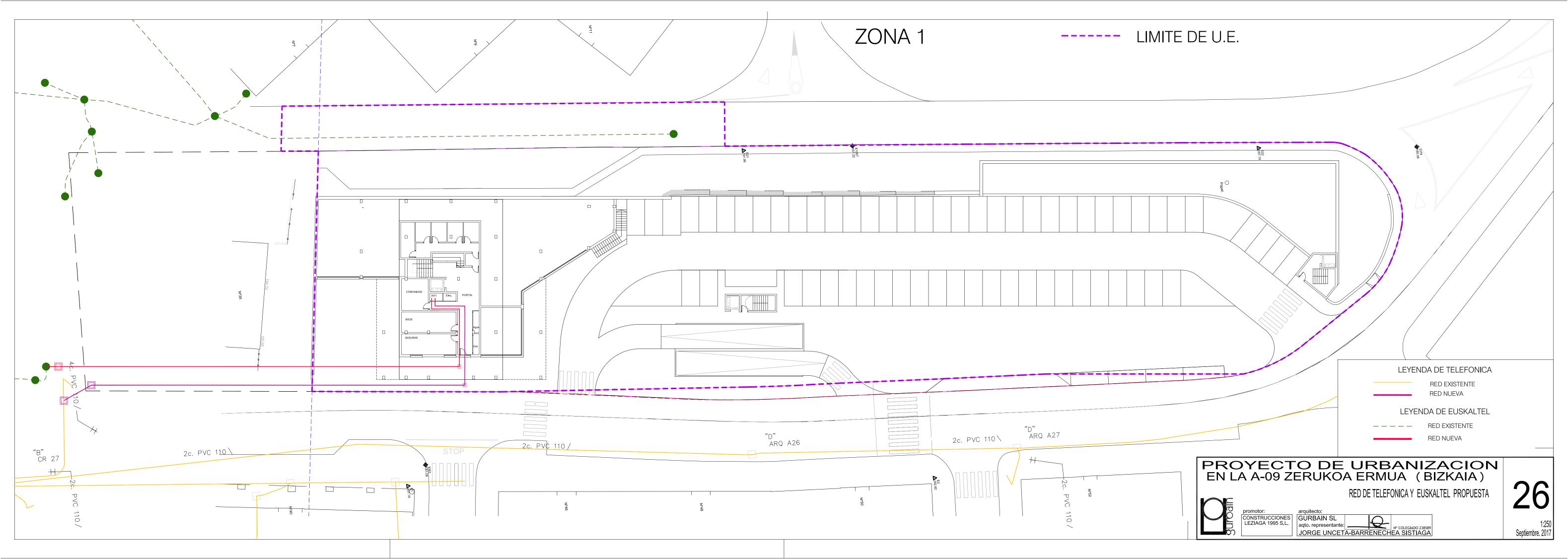
1.0

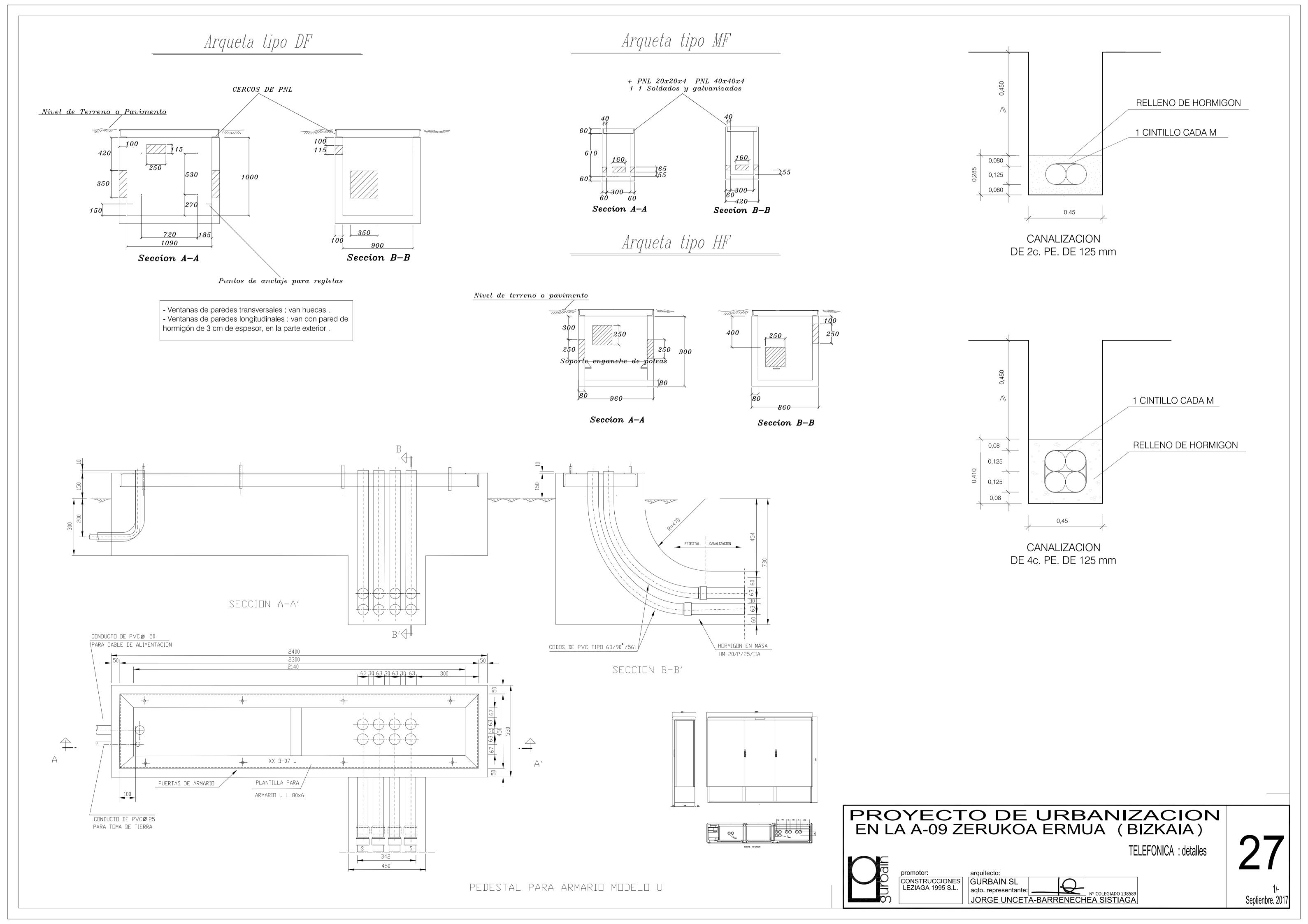


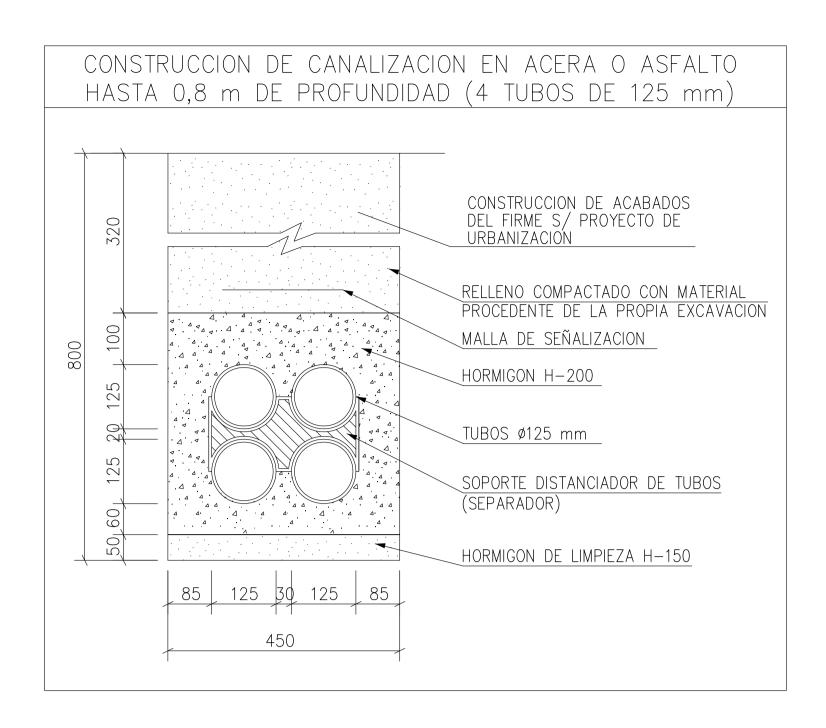
PROYECTO DE URBANIZACION EN LA A-09 ZERUKOA ERMUA (BIZKAIA)

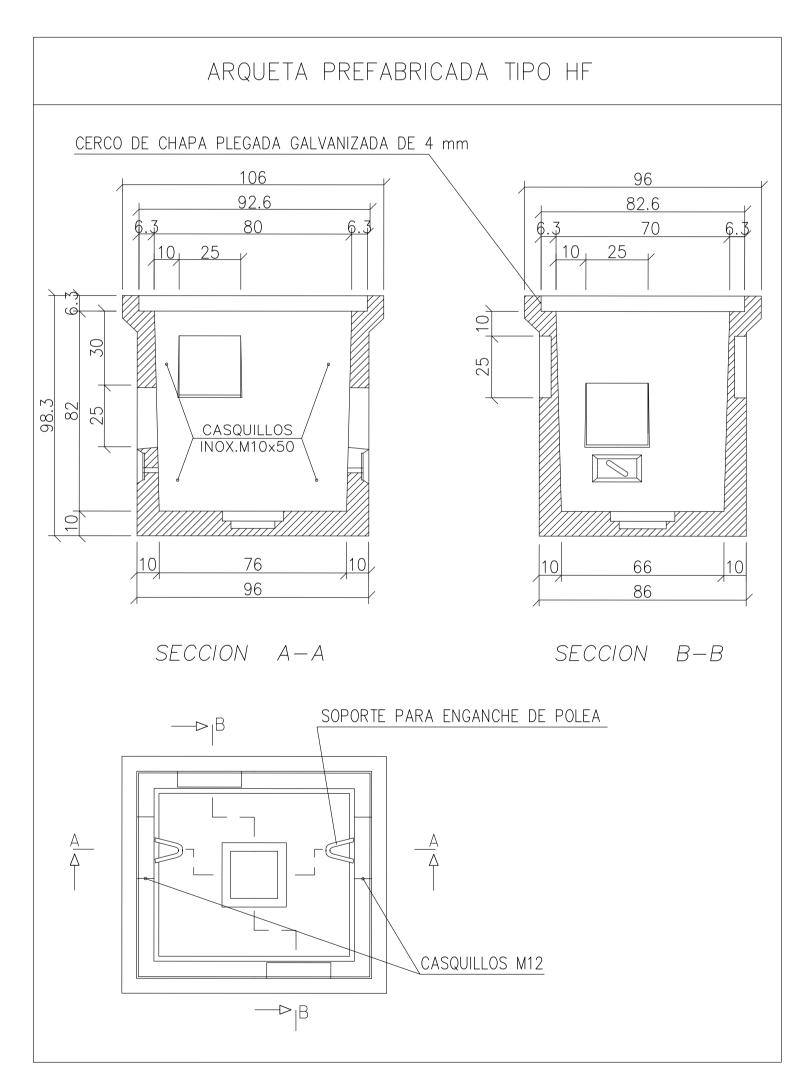
ALUMBRADO PUBLICO : detalles 1

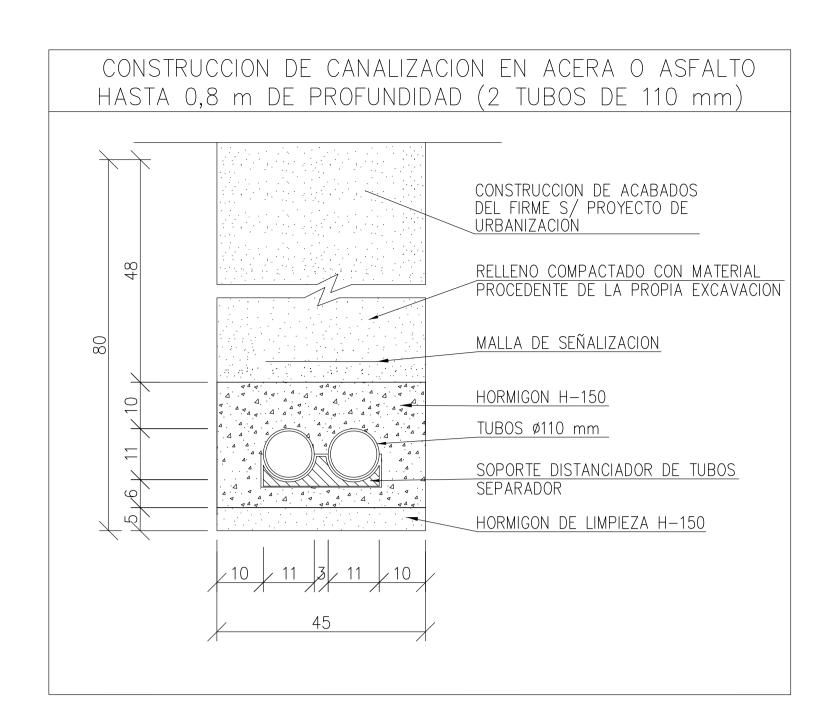


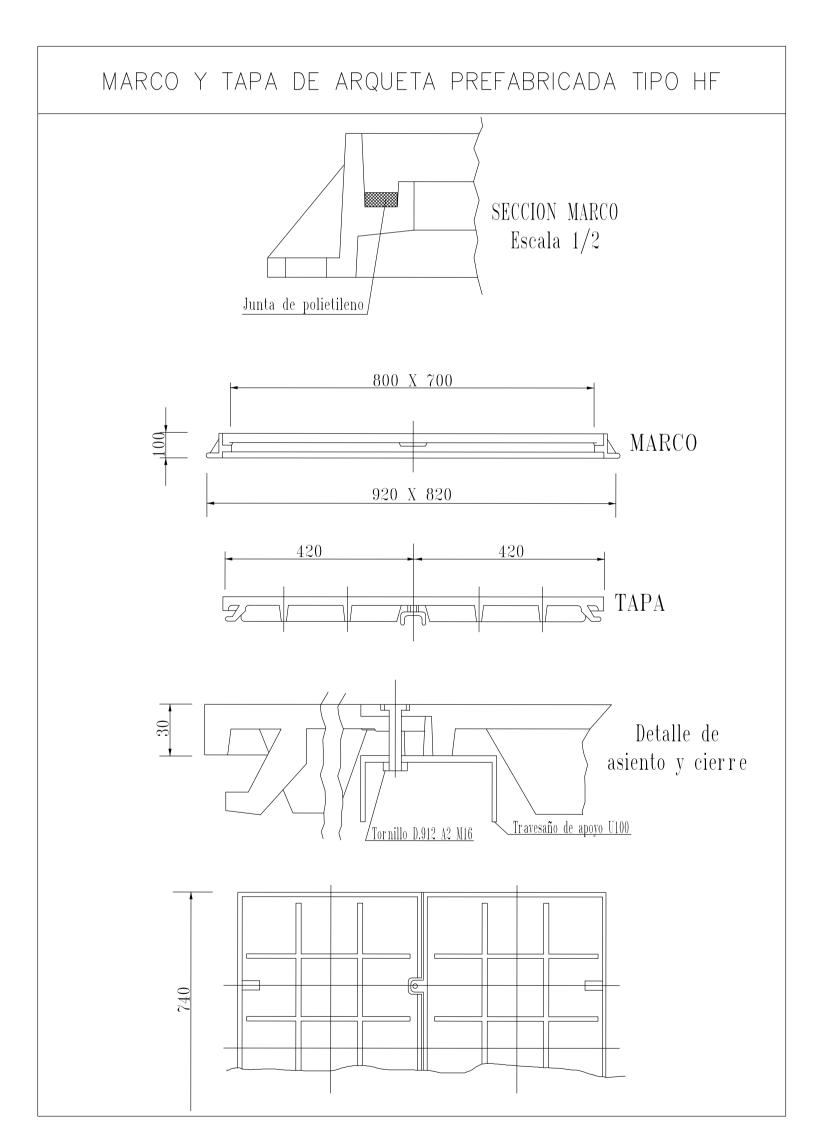


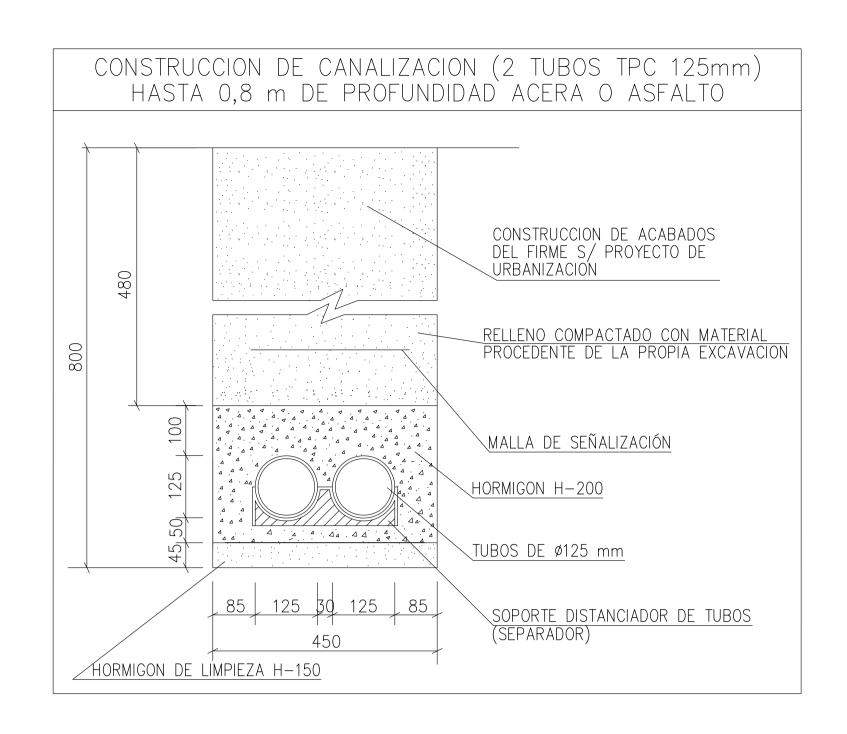


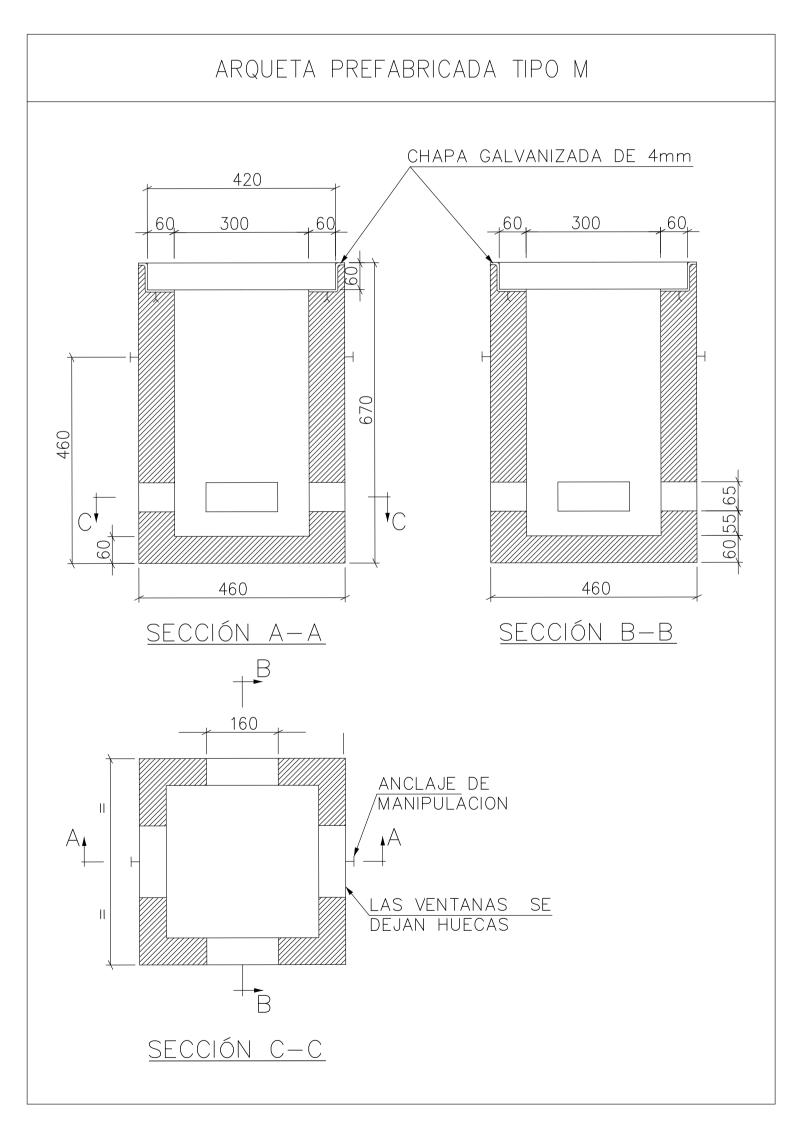




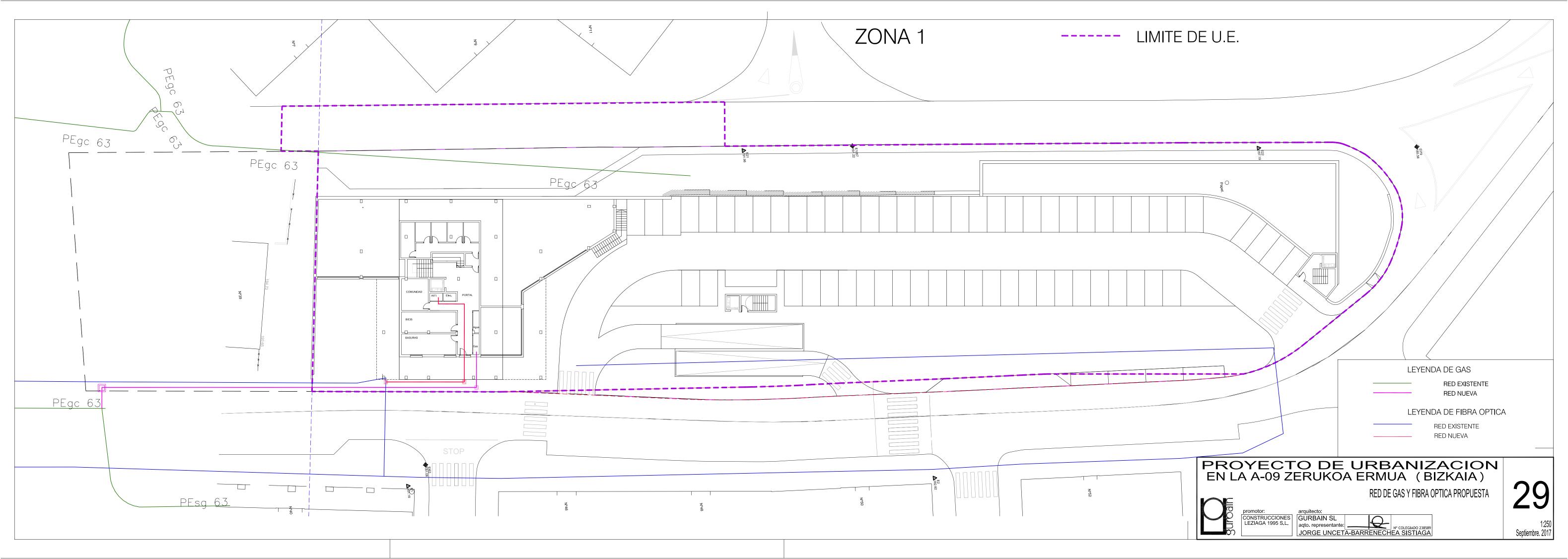




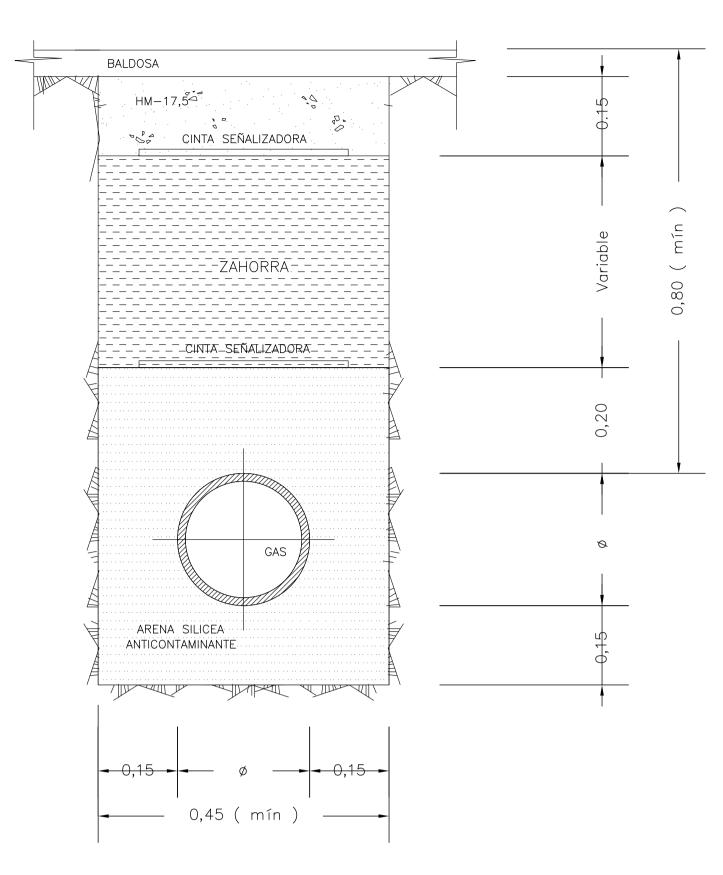




Septiembre. 2017



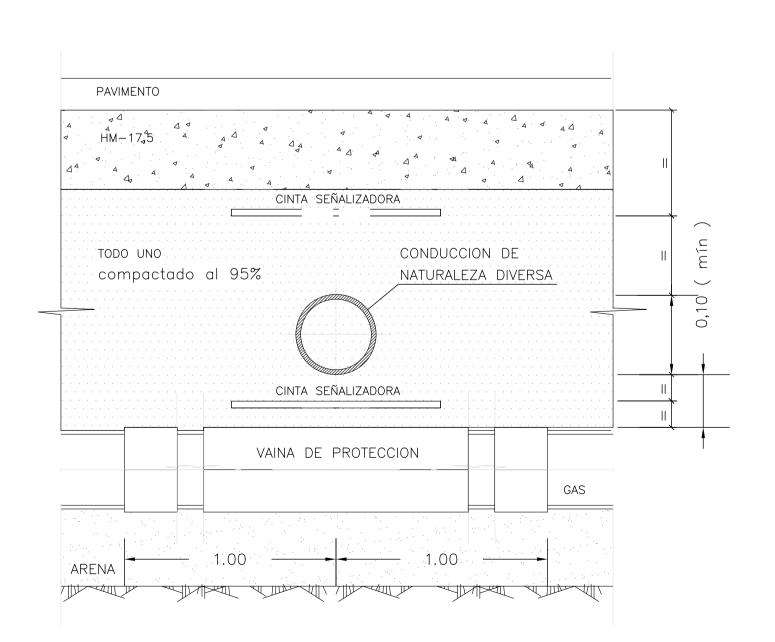
SECCION TIPO DE ZANJA BAJO ACERA



Notas: El asiento de la tubería será uniforme, arena anticontaminante sin materiales que puedan dañar la tubería.

Paralelismo otros servicios 0,20 m siempre que sea posible se Cruce otros servicios 0,10 aumentarán las distancias

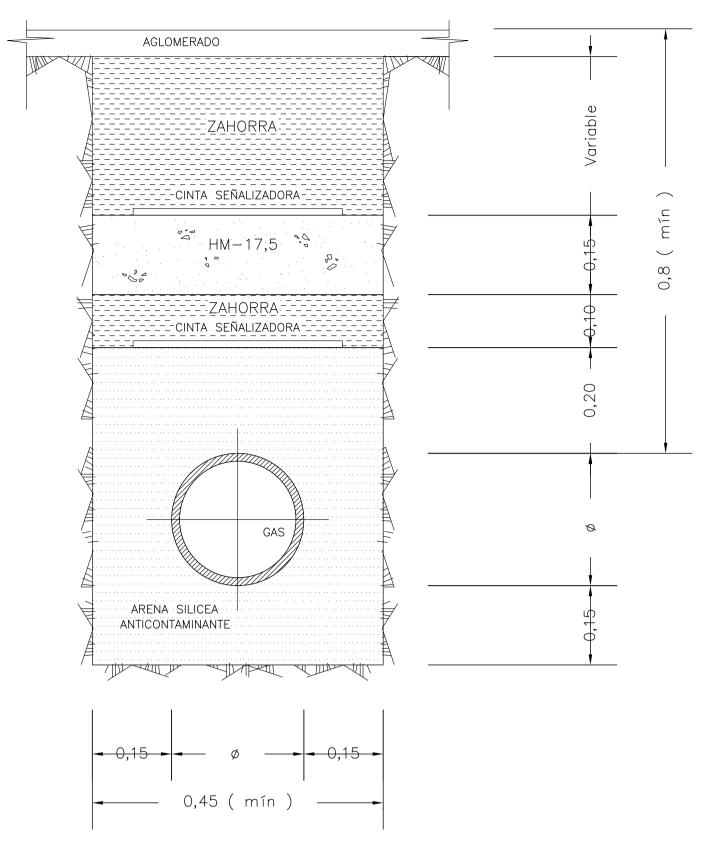
SECCION TIPO DE LA ZANJA CRUCE CON OTROS SERVICIOS



Notas: — Siempre que sea posible deberá aumentarse la distancia indicada, sobre todo en obras de importancia.

— Cuando no pueda mantenerse la distancia mínima deberá interponerse entre ambos servicios pantallas de fibrocemento, amianto, plástico u otro material de similares características mecánicas y dieléctricas.

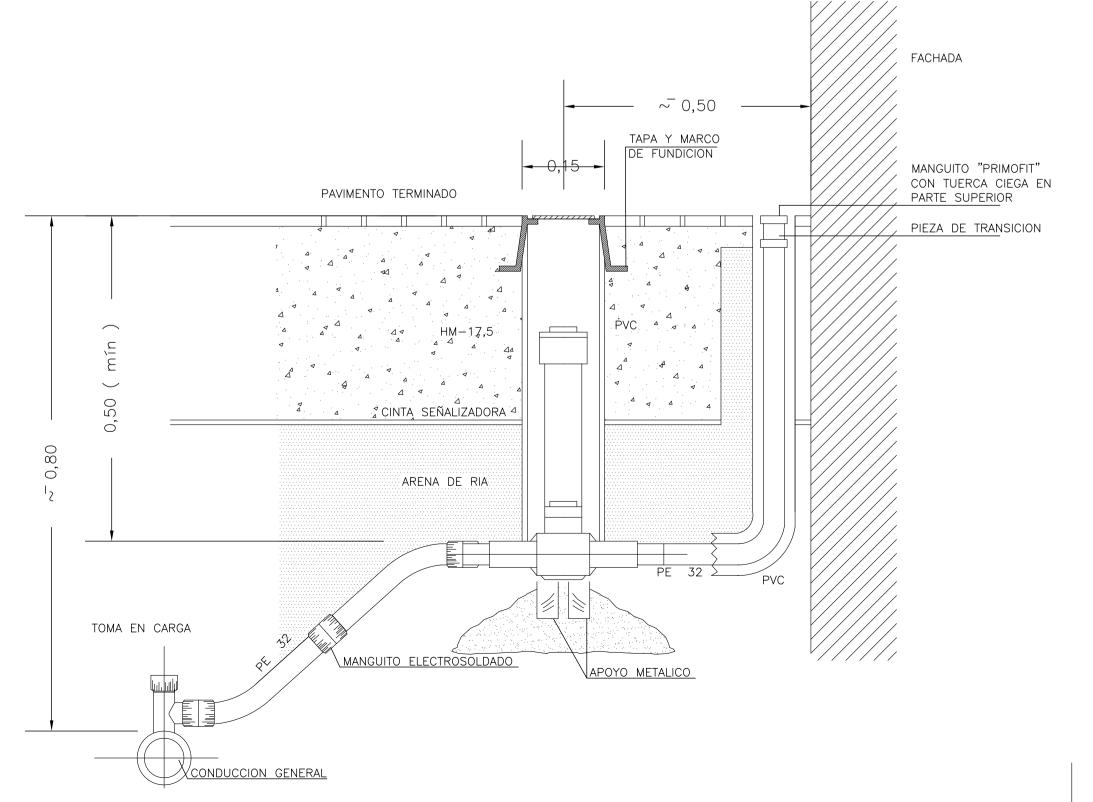
SECCION TIPO DE ZANJA BAJO CALZADA SIN REFUERZO



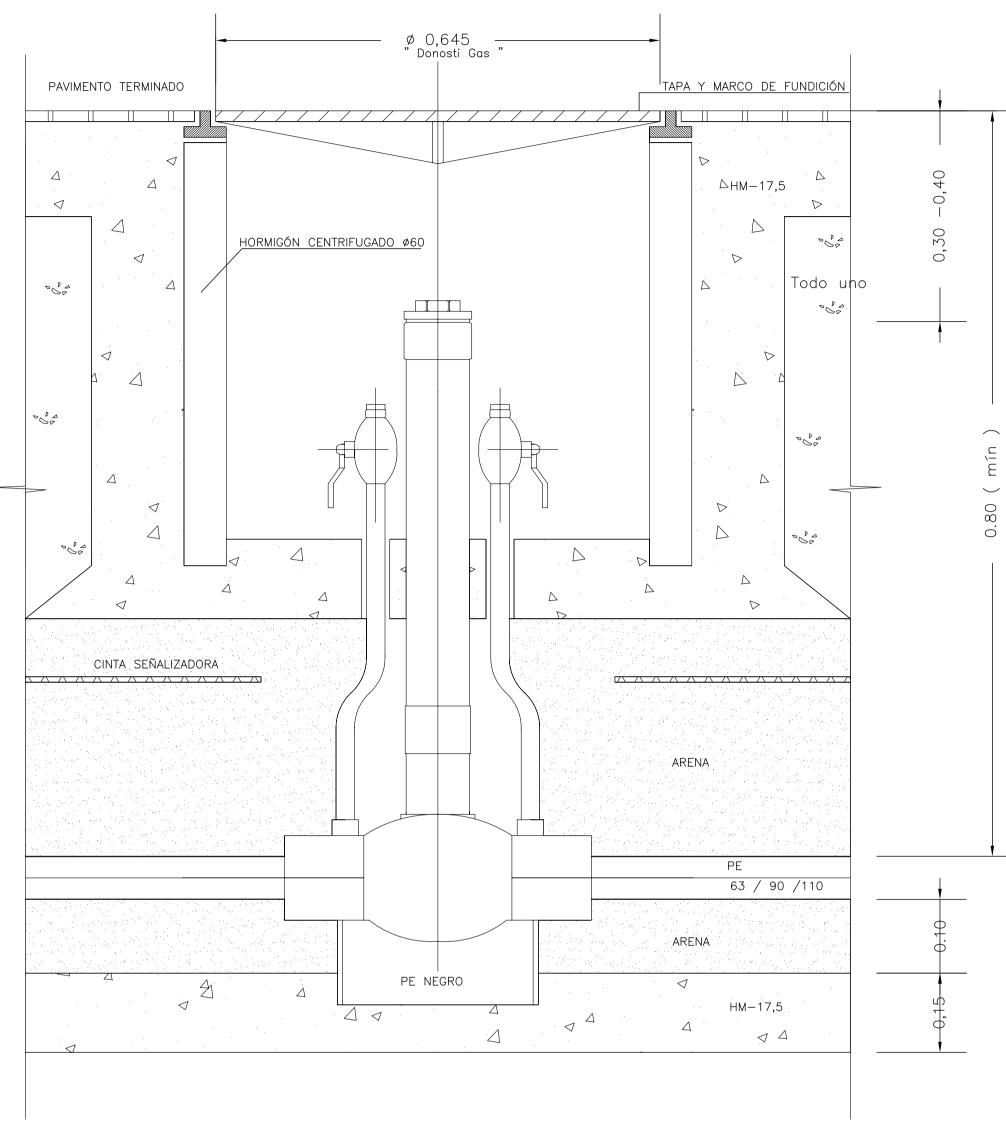
Notas: El asiento de la tubería será uniforme, arena anticontaminante sin materiales que puedan dañar la tubería.

Paralelismo otros servicios 0,20 m siempre que sea posible se Cruce otros servicios 0,10 aumentarán las distancias

ACOMETIDA ENTERRABLE DN 32



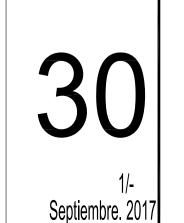
VALVULA DE LINEA ENTERRABLE TIPO "A" EN REDES DE POLIETILENO

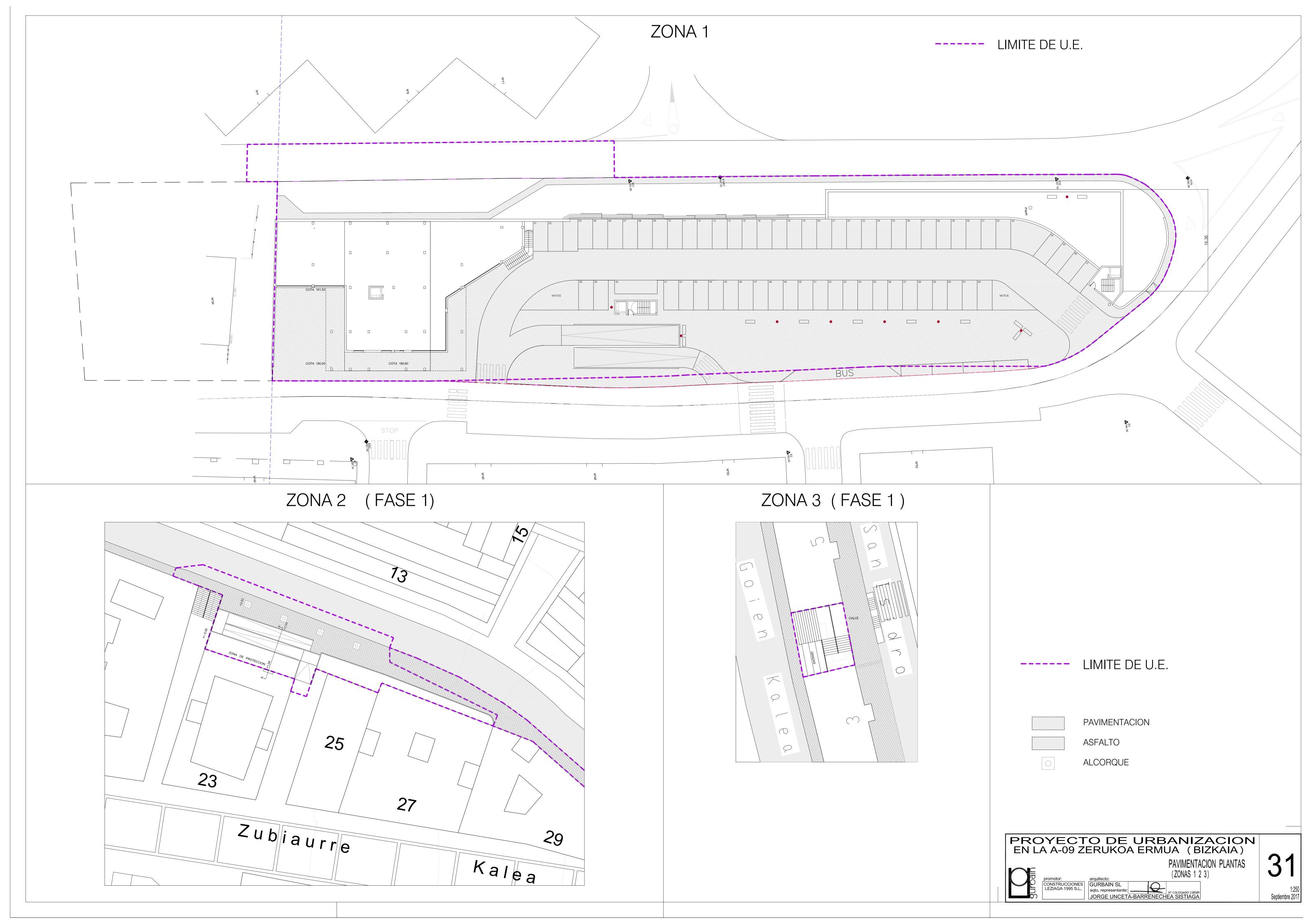


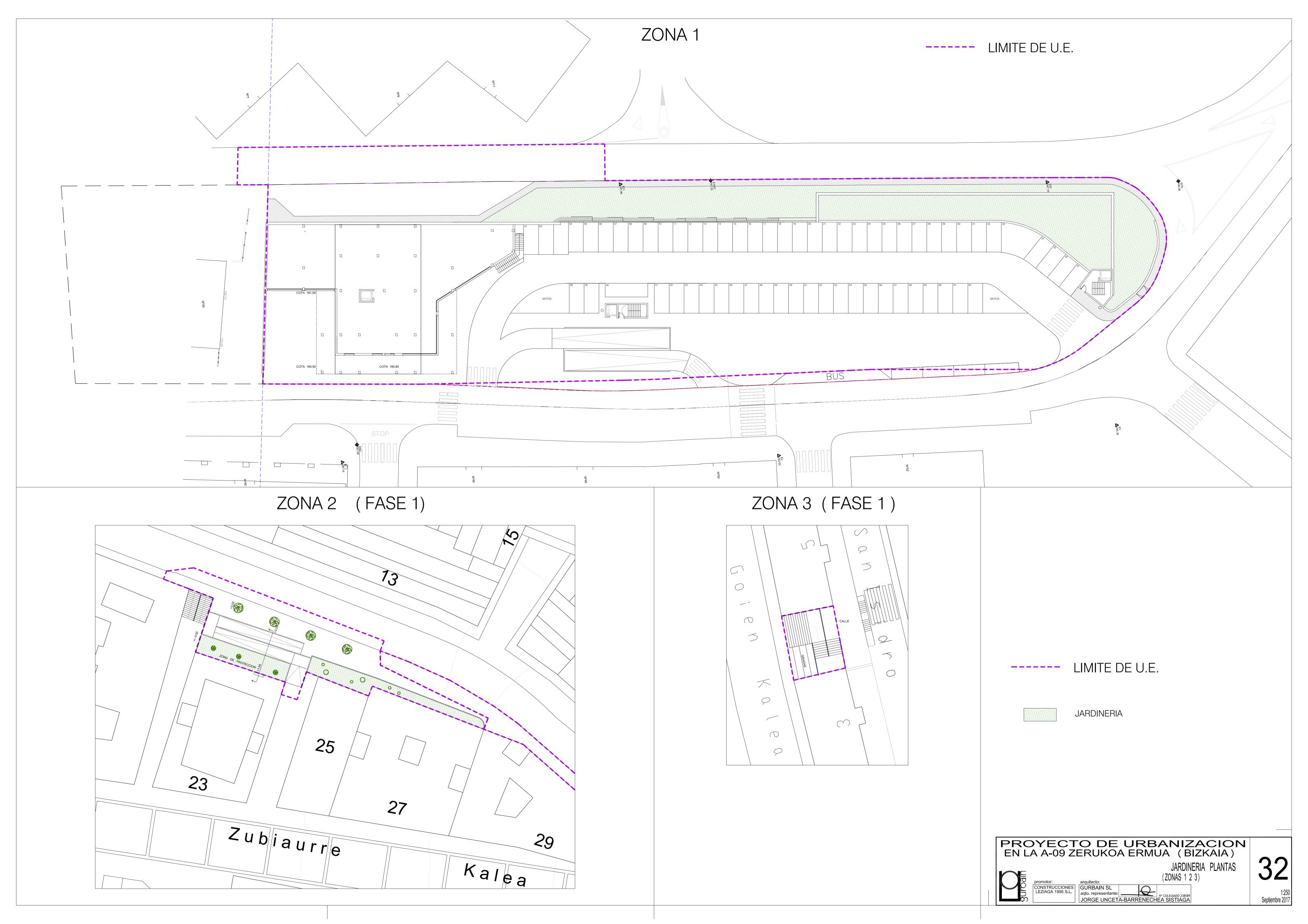


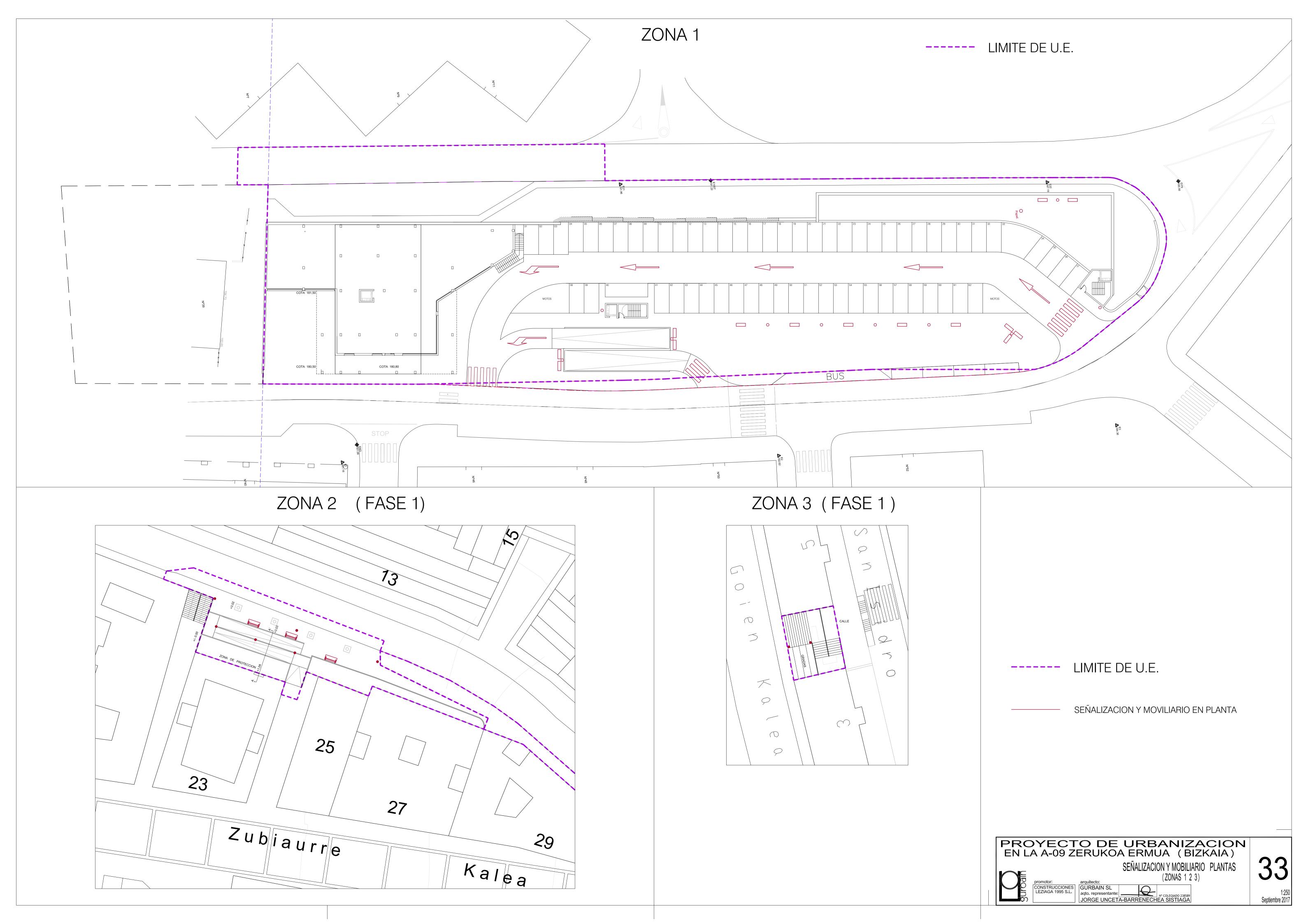
GAS: detalles1





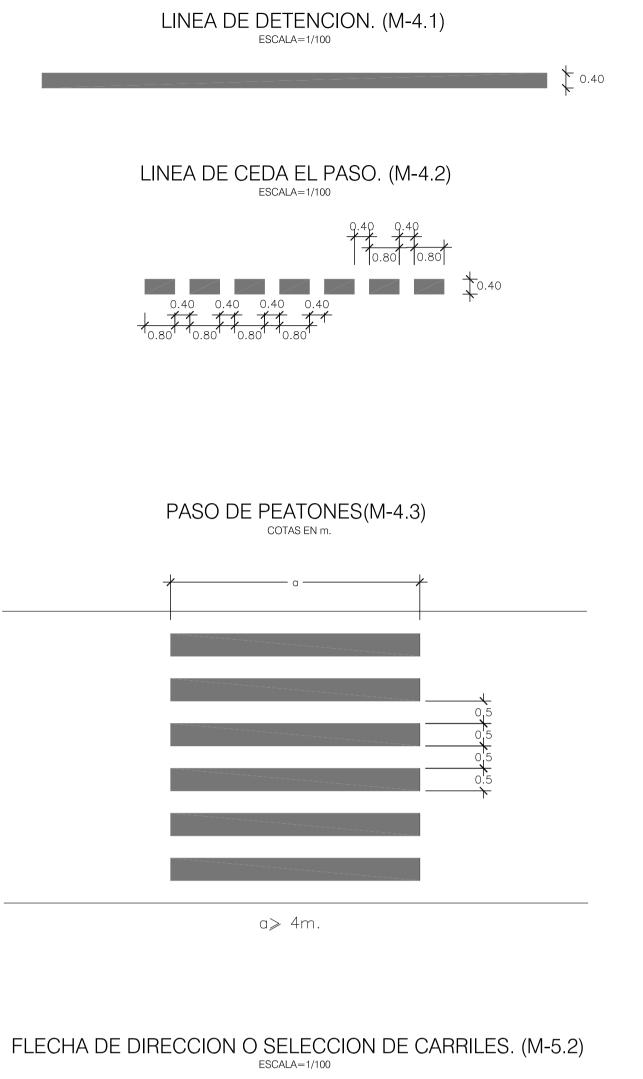


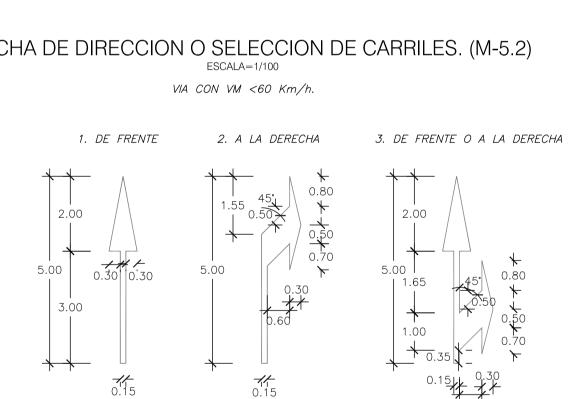


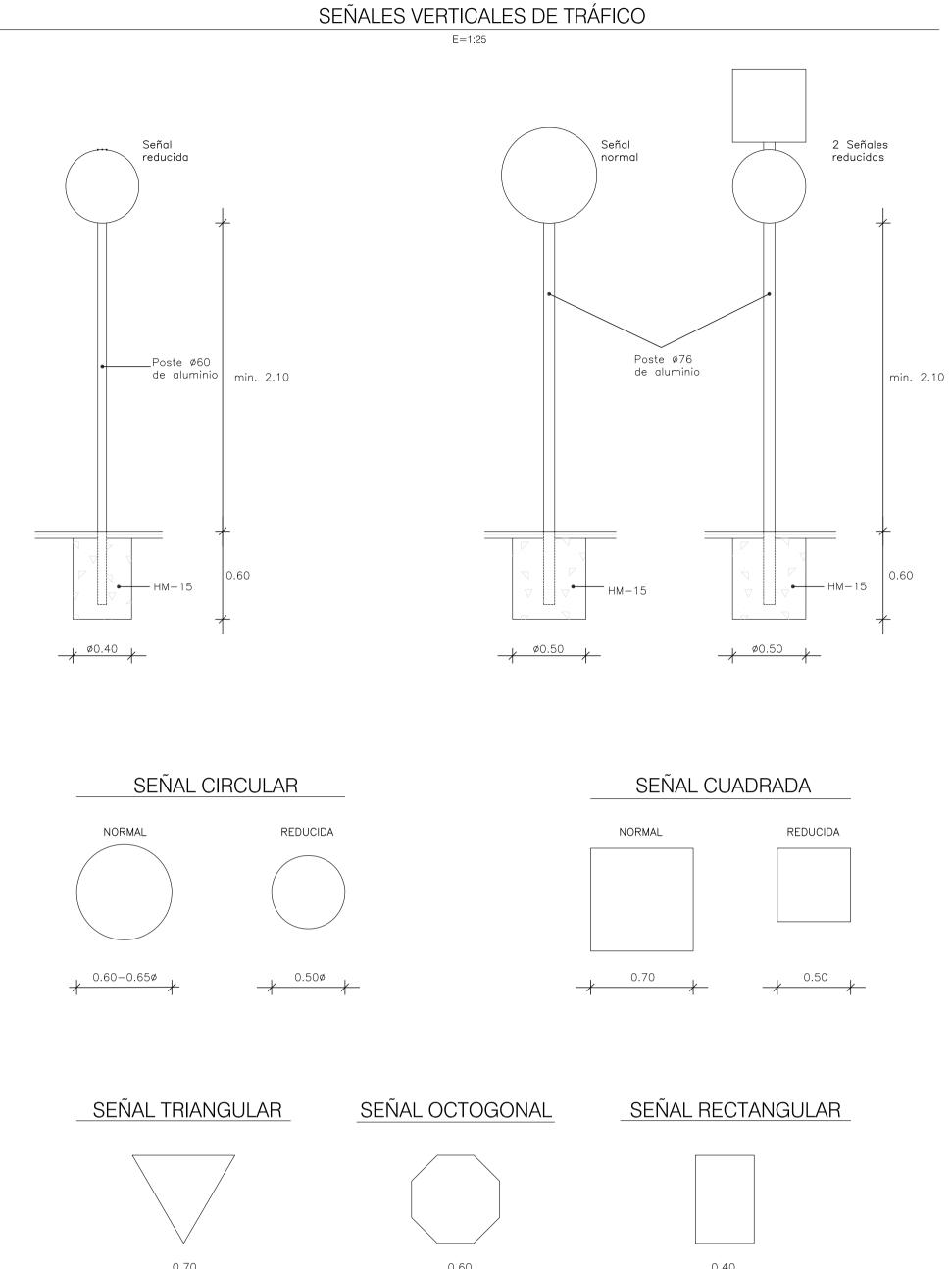


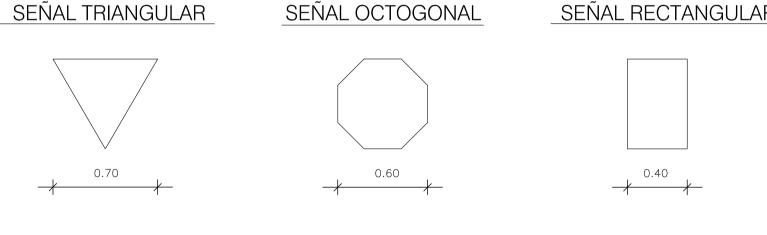
DE CEDA EL PASO. (M-6.5) ESCALA=1/50 2.40 — 7.20 APARCAMIENTO EN BATERIA RECTA-(M-7.4) VARIABLE VARIABLE 1.00 VARIABLE DE STOP. (M-6.4) ESCALA=1/50











NOTA: Todas las señales seran planas y de pintura reflectante.



