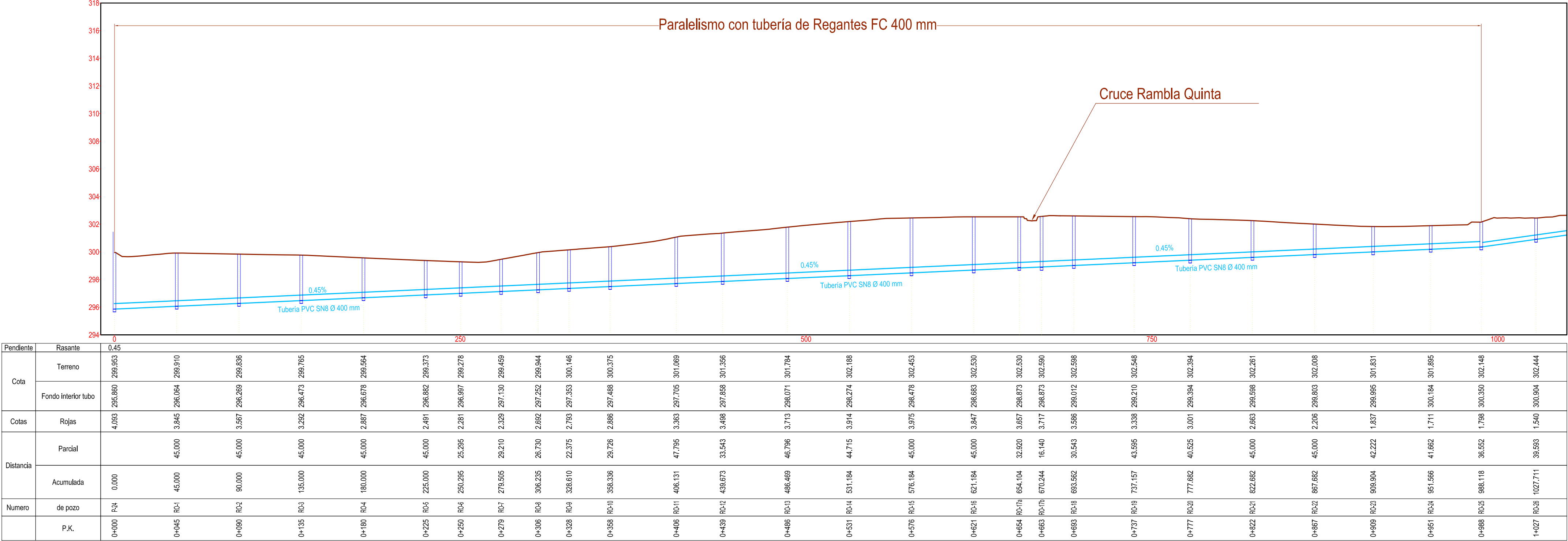
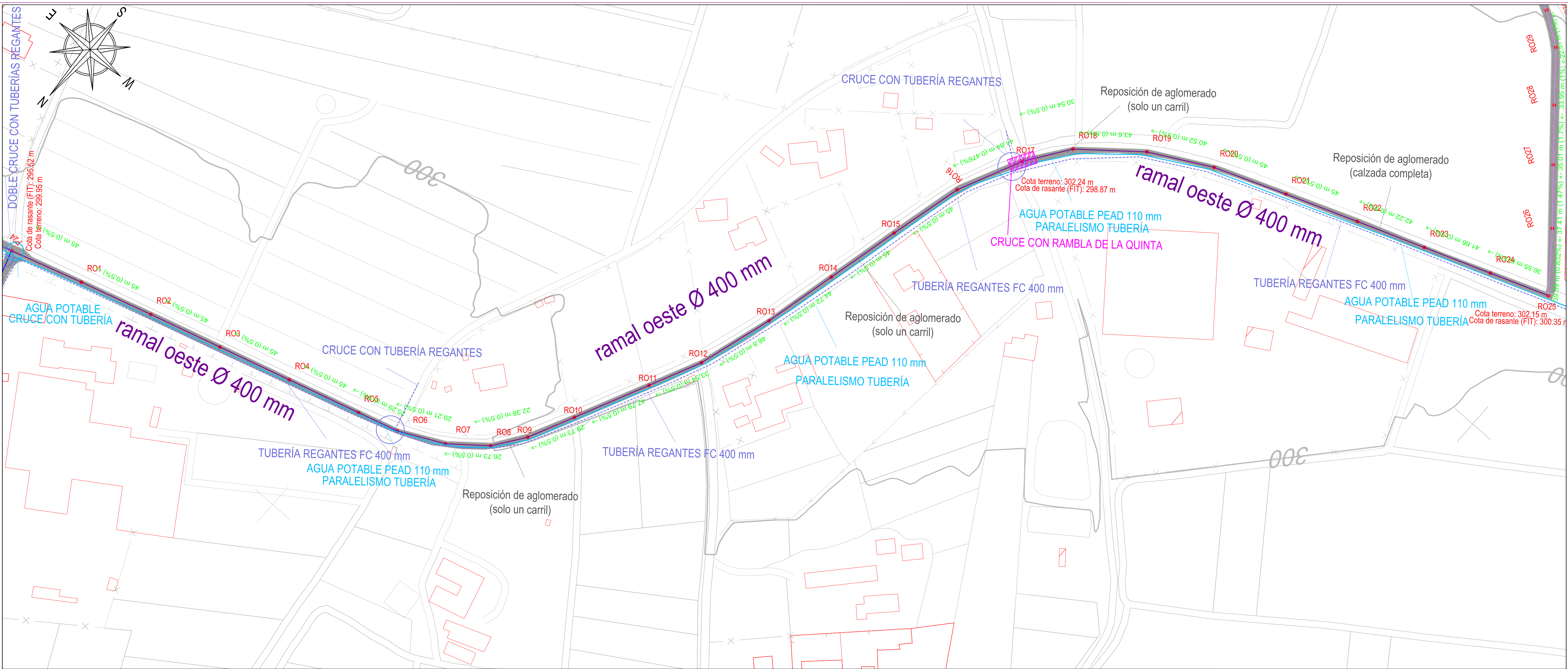




RAMAL OESTE TRAMO 1



Región de Murcia
Consejería de Agricultura y Agua
Dirección General del Agua

PROYECTO DE COLECTOR GENERAL DE
SANEAMIENTO DE LOS CONVENTOS EN
EN LORCA (MURCIA)

Fecha: **DICIEMBRE 2014**

Fecha: **REV 2**

Designación: **PLANTA TRAZADO + LONGITUDINAL
RAMAL OESTE PARTE 1**

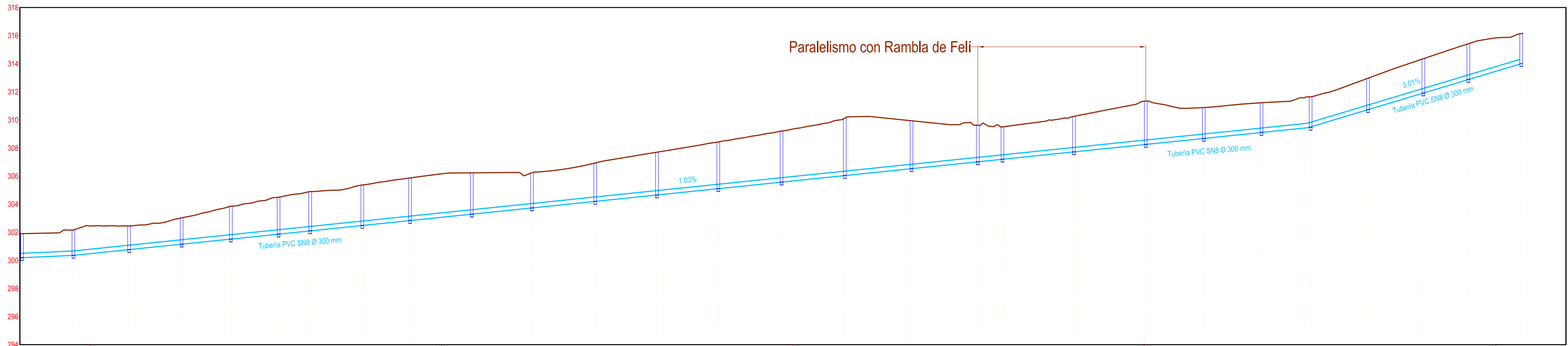
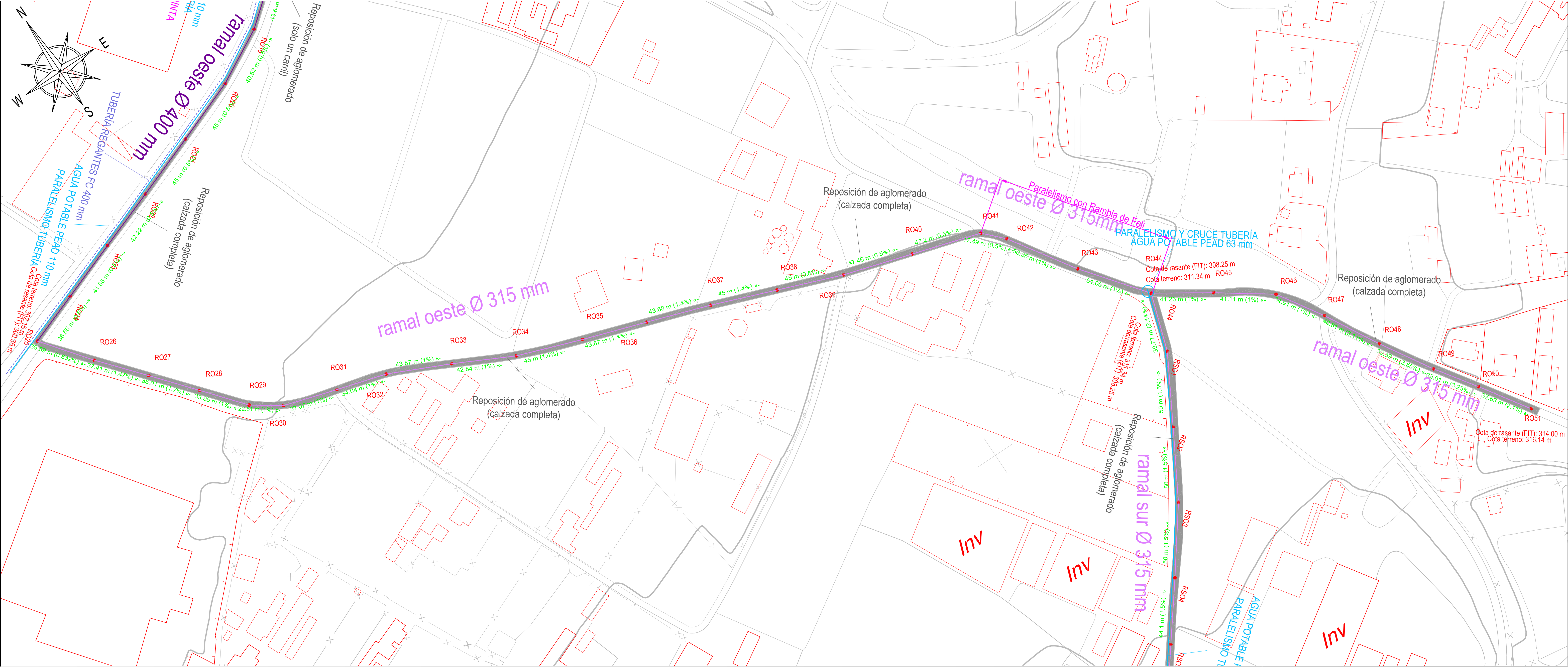
Escalas: **SIN ESCALA**

Ingeniero Autor del Proyecto:

Consultora: 

Plano n.º: **P-5.4**

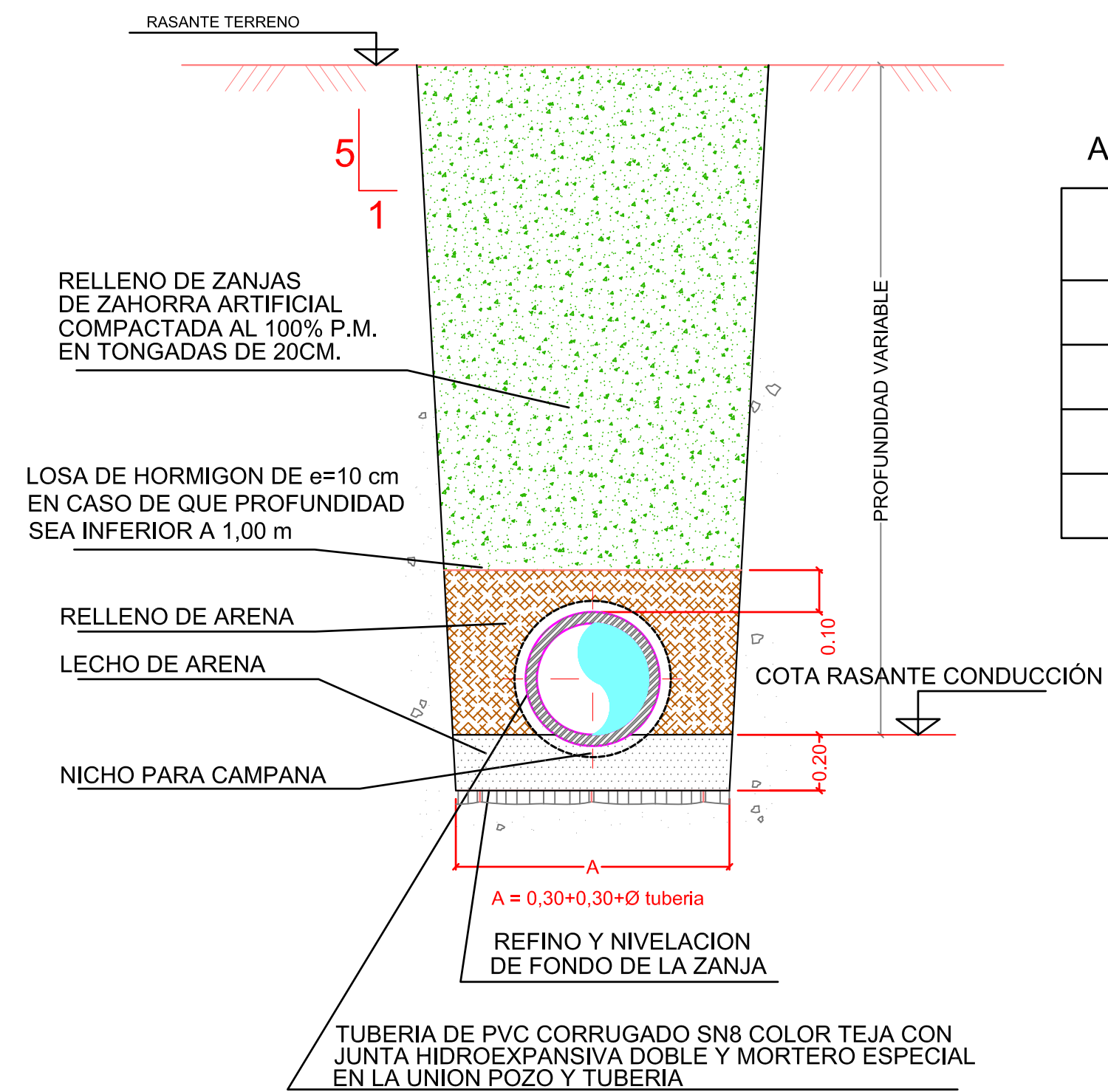
JOSE RAMÓN DIEZ DE REVENGA ALBACETE



Pendiente	Rasante	1000										1250										1500										1750										2000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Cota	Terreno	307.395	302.148	302.444	303.021	303.847	304.437	304.891	305.395	305.895	306.228	306.233	306.330	307.696	308.423	309.200	310.126	309.933	309.612	309.493	310.293	311.342	310.873	311.216	311.631	312.382	314.348	315.415	316.141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Fondo interior tubo	307.184	302.350	302.444	303.021	303.847	304.437	304.891	305.395	305.895	306.228	306.233	306.330	307.696	308.423	309.200	310.126	309.933	309.612	309.493	310.293	311.342	310.873	311.216	311.631	312.382	314.348	315.415	316.141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Cotas	Rojas	307.395	302.148	302.444	303.021	303.847	304.437	304.891	305.395	305.895	306.228	306.233	306.330	307.696	308.423	309.200	310.126	309.933	309.612	309.493	310.293	311.342	310.873	311.216	311.631	312.382	314.348	315.415	316.141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Pardal	307.395	302.148	302.444	303.021	303.847	304.437	304.891	305.395	305.895	306.228	306.233	306.330	307.696	308.423	309.200	310.126	309.933	309.612	309.493	310.293	311.342	310.873	311.216	311.631	312.382	314.348	315.415	316.141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Distancia	Acumulada	0	36.552	73.104	109.656	146.208	182.760	219.312	255.864	292.416	328.968	365.520	402.072	438.624	475.176	511.728	548.280	584.832	621.384	657.936	694.488	731.040	767.592	804.144	840.696	877.248	913.800	950.352	986.904	1023.456	1060.008	1096.560	1133.112	1169.664	1206.216	1242.768	1279.320	1315.872	1352.424	1388.976	1425.528	1462.080	1498.632	1535.184	1571.736	1608.288	1644.840	1681.392	1717.944	1754.496	1791.048	1827.600	1864.152	1900.704	1937.256	1973.808	2010.360	2046.912	2083.464	2120.016	2156.568	2193.120	2229.672	2266.224	2302.776	2339.328	2375.880	2412.432	2448.984	2485.536	2522.088	2558.640	2595.192	2631.744	2668.296	2704.848	2741.400	2777.952	2814.504	2851.056	2887.608	2924.160	2960.712	2997.264	3033.816	3070.368	3106.920	3143.472	3180.024	3216.576	3253.128	3289.680	3326.232	3362.784	3399.336	3435.888	3472.440	3508.992	3545.544	3582.096	3618.648	3655.200	3691.752	3728.304	3764.856	3801.408	3837.960	3874.512	3911.064	3947.616	3984.168	4020.720	4057.272	4093.824	4130.376	4166.928	4203.480	4240.032	4276.584	4313.136	4349.688	4386.240	4422.792	4459.344	4495.896	4532.448	4568.999	4605.551	4642.103	4678.655	4715.207	4751.759	4788.311	4824.863	4861.415	4897.967	4934.519	4971.071	5007.623	5044.175	5080.727	5117.279	5153.831	5190.383	5226.935	5263.487	5300.039	5336.591	5373.143	5409.695	5446.247	5482.799	5519.351	5555.903	5592.455	5629.007	5665.559	5702.111	5738.663	5775.215	5811.767	5848.319	5884.871	5921.423	5957.975	5994.527	6031.079	6067.631	6104.183	6140.735	6177.287	6213.839	6250.391	6286.943	6323.495	6360.047	6396.599	6433.151	6469.703	6506.255	6542.807	6579.359	6615.911	6652.463	6689.015	6725.567	6762.119	6798.671	6835.223	6871.775	6908.327	6944.879	6981.431	7017.983	7054.535	7091.087	7127.639	7164.191	7200.743	7237.295	7273.847	7310.399	7346.951	7383.503	7420.055	7456.607	7493.159	7529.711	7566.263	7602.815	7639.367	7675.919	7712.471	7749.023	7785.575	7822.127	7858.679	7895.231	7931.783	7968.335	8004.887	8041.439	8077.991	8114.543	8151.095	8187.647	8224.199	8260.751	8297.303	8333.855	8370.407	8406.959	8443.511	8480.063	8516.615	8553.167	8589.719	8626.271	8662.823	8699.375	8735.927	8772.479	8809.031	8845.583	8882.135	8918.687	8955.239	8991.791	9028.343	9064.895	9101.447	9137.999	9174.551	9211.103	9247.655	9284.207	9320.759	9357.311	9393.863	9430.415	9466.967	9503.519	9540.071	9576.623	9613.175	9649.727	9686.279	9722.831	9759.383	9795.935	9832.487	9869.039	9905.591	9942.143	9978.695	10015.247	10051.799	10088.351	10124.903	10161.455	10198.007	10234.559	10271.111	10307.663	10344.215	10380.767	10417.319	10453.871	10490.423	10526.975	10563.527	10600.079	10636.631	10673.183	10709.735	10746.287	10782.839	10819.391	10855.943	10892.495	10929.047	10965.599	11002.151	11038.703	11075.255	11111.807	11148.359	11184.911	11221.463	11258.015	11294.567	11331.119	11367.671	11404.223	11440.775	11477.327	11513.879	11550.431	11586.983	11623.535	11660.087	11696.639	11733.191	11769.743	11806.295	11842.847	11879.399	11915.951	11952.503	11989.055	12025.607	12062.159	12098.711	12135.263	12171.815	12208.367	12244.919	12281.471	12318.023	12354.575	12391.127	12427.679	12464.231	12500.783	12537.335	12573.887	12610.439	12646.991	12683.543	12720.095	12756.647	12793.199	12829.751	12866.303	12902.855	12939.407	12975.959	13012.511	13049.063	13085.615	13122.167	13158.719	13195.271	13231.823	13268.375	13304.927	13341.479	13378.031	13414.583	13451.135	13487.687	13524.239	13560.791	13597.343	13633.895	13670.447	13706.999	13743.551	13780.103	13816.655	13853.207	13889.759	13926.311	13962.863	13999.415	14035.967	14072.519	14109.071	14145.623	14182.175	14218.727	14255.279	14291.831	14328.383	14364.935	14401.487	14438.039	14474.591	14511.143	14547.695	14584.247	14620.799	14657.351	14693.903	14730.455	14767.007	14803.559	14840.111	14876.663	14913.215	14949.767	14986.319	15022.871	15059.423	15095.975	15132.527	15169.079	15205.631	15242.183	15278.735	15315.287	15351.839	15388.391	15424.943	15461.495	15498.047	15534.599	15571.151	15607.703	15644.255	15680.807	15717.359	15753.911	15790.463	15827.015	15863.567	15900.119	15936.671	15973.223	16009.775	16046.327	16082.879	16119.431	16155.983	16192.535	16229.087	16265.639	16302.191	16338.743	16375.295	16411.847	16448.399	16484.951	16521.503	16558.055	16594.607	16631.159	16667.711	16704.263	16740.815	16777.367	16813.919	16850.471	16887.023	16923.575	16960.127	16996.679	17033.231	17069.783	17106.335	17142.887	17179.439	17215.991	17252.543	17289.095	17325.647	17362.199	17398.751	17435.303	17471.855	17508.407	17544.959	17581.511	17618.063	17654.615	17691.167	17727.719	17764.271	17800.823	17837.375	17873.927	17910.479	17947.031	17983.583	18020.135	18056.687	18093.239	18129.791	18166.343	18202.895	18239.447	18275.999	18312.551	18349.103	18385.655	18422.207	18458.759	18495.311	18531.863	18568.415	18604.967	18641.519	18678.071	18714.623	18751.175	18787.727	18824.279	18860.831	18897.383	18933.935	18970.487	19007.039	19043.591	19080.143	19116.695	19153.247	19189.799	19226.351	19262.903	19299.455	19336.007	19372.559	19409.111	19445.663	19482.215	19518.767	19555.319	19591.871	19628.423	19664.975	19701.527	19738.079	19774.631	19811.183	19847.735	19884.287	19920.839	19957.391	19993.943	20030.495	20067.047	20103.599	20140.151	20176.703	20213.255	20249.807	20286.359	20322.911	20359.463	20396.015	20432.567	20469.119	20505.671	20542.223	20578.775	20615.327	20651.879	20688.431	20724.983	20761.535	20798.087	20834.639	20871.191	20907.743	20944.295	20980.847	21017.399	21053.951	21090.503	21127.055	21163.607	21200.159	21236.711	21273.263	21309.815	21346.367	21382.919	21419.471	21456.023	21492.575	21529.127	21565.679	21602.231	21638.783	21675.335	21711.887	21748.439	21784.991	21821.543	21858.095	21894.647	21931.199	21967.751	22004.303	22040.855	22077.407	22113.959	22150.511	22187.063	22223.615	22260.167	22296.719	22333.271	22369.823	22406.375	22442.927	22479.479	22516.031	22552.583	22589.135	22625.687	22662.239	22698.791	22735.343	22771.895	22808.447	22844.999	22881.551	22918.103	22954.655	22991.207	23027.759	23064.311	23100.863	23137.415	23173.967	23210.519	23247.071	23283.623	23320.175	23356.727	23393.279	23429.831	23466.383	23502.935	23539.487	23576.039	23612.591	23649.143	23685.695	23722.247	23758.799	23795.351	23831.903	23868.455	23905.007	23941.559	23978.111	24014.663	24051.215	24087.767	24124.319	24160.871	24197.423	24233.975	24270.527	24307.079	24343.631	24380.183	24416.735	24453.287	24489.839	24526.391	24562.943	24599.495	24636.047	24672.599	24709.151	24745.703	24782.255	24818.807	24855.359	24891.911	24928.463	24965.015	25001.567	25038.119	25074.671	25111.223	25147.775	25184.327	25220.879	25257.431	25293.983	25330.535	25367.087	25403.639	25440.191	25476.743	25513.295	25549.847	25586.399	25622.951	25659.503	25696.055	25732.607	25769.159	25805.711	25842.263	25878.815	25915.367	25951.919	25988.471	26025.023	26061.575	26098.127	26134.679	26171.231	26207.783	26244.335	26280.887	26317.439	26353.991	26390.543	26427.095	26463.647	26500.199	26536.751	26573.303	26609.855	26646.407	26682.959	26719.511	26756.063	26792.615	26829.167	26865.719	26902.271	26938.823	26975.375	27011.927	27048.479	27085.031	27121.583	27158.135	27194.687	27231.239	27267.791	27304.343	27340.895	27377.447	27413.999	27450.551	27487.103	27523.655	27560.207	27596.759	27633.311	27669.863	27706.415	27742.967	27779.519	27816.071	27852.623	27889.175	27925.727	27962.279	28000.831	28037.383	28073.935	28110.487	28147.039	28183.591	28220.143	28256.695	28293.247	28329.799	28366.351	28402.903	28439.455	28476.007	28512.559	28549.111	28585.663	28622.215	28658.767	28695.319	28731.871	28768.423	28804.975	28841.527	28878.079	28914.631	28951.183	28987.735	29024.287	29060.839	290

SECCIÓN TIPO ZANJA DE SANEAMIENTO

SECCION ZANJA BAJO CAMINO O CULTIVO

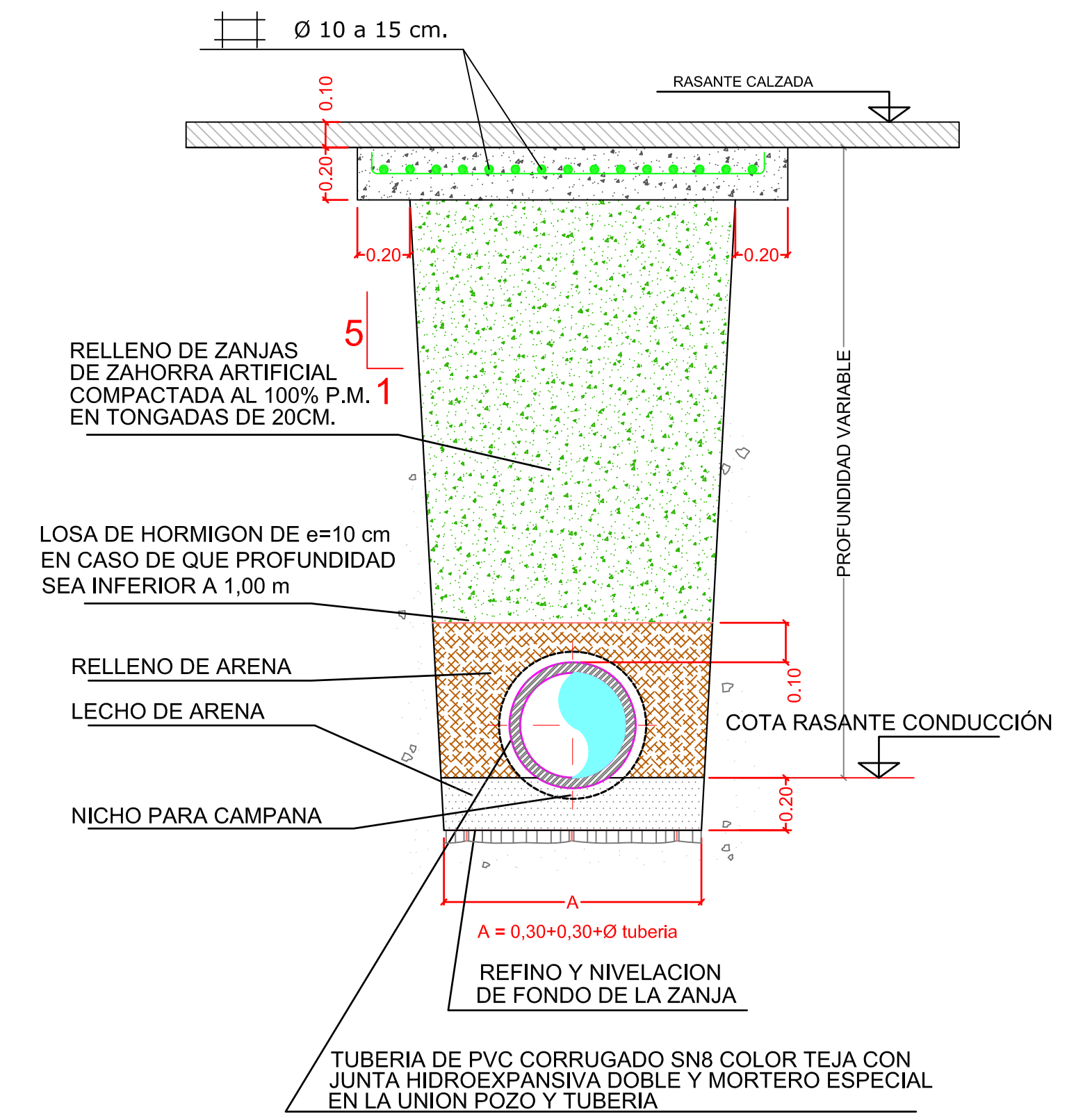


Ø mm	A m	Ø mm	A m
300	0,90	800	1,40
400	1,00	1000	1,60
500	1,10	1200	1,80
600	1,20		

SECCION LONGITUDINAL



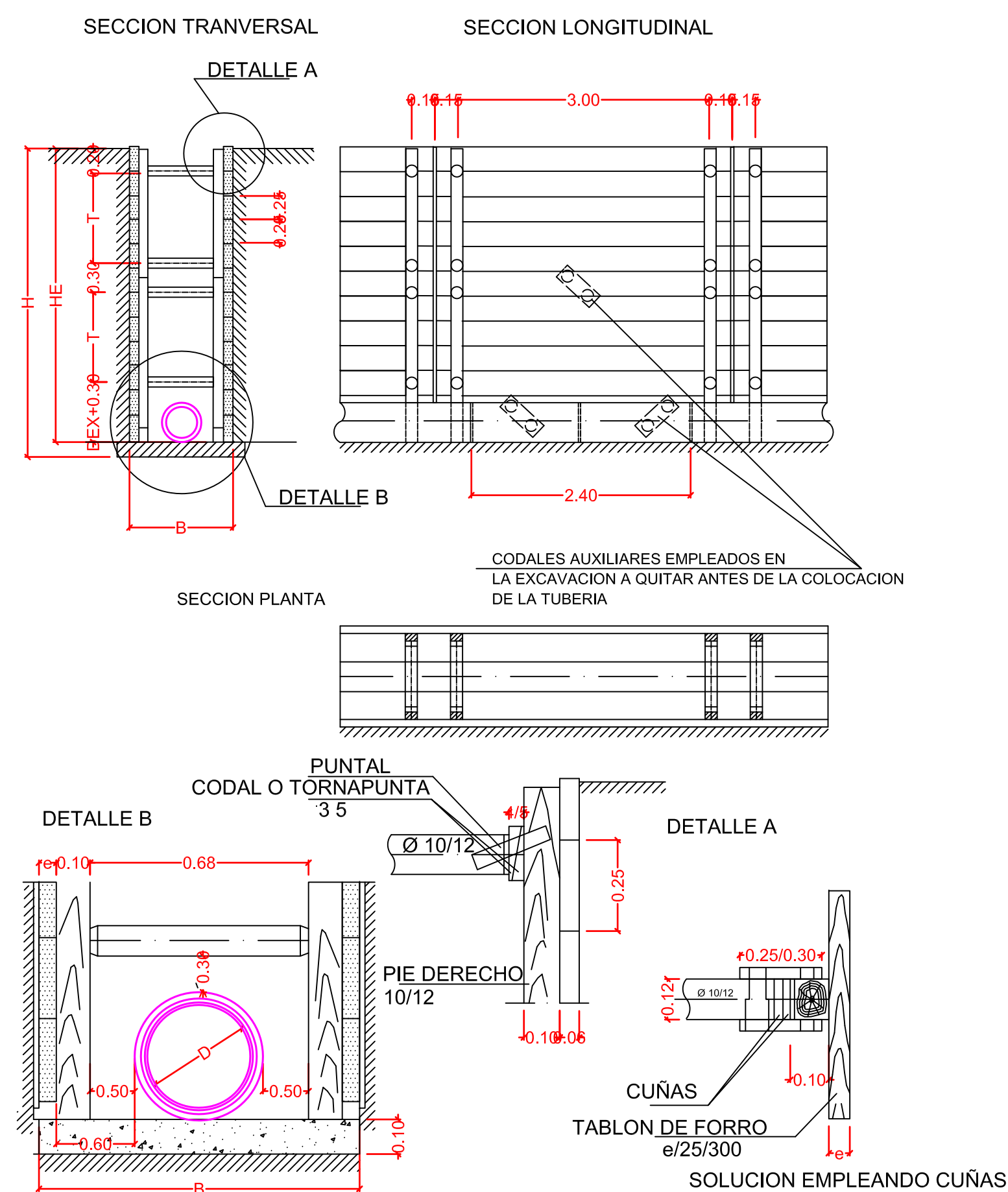
SECCIÓN DE ZANJA BAJO CARRETERA O CAMINO ASFALTADO



ESCALA 1:20

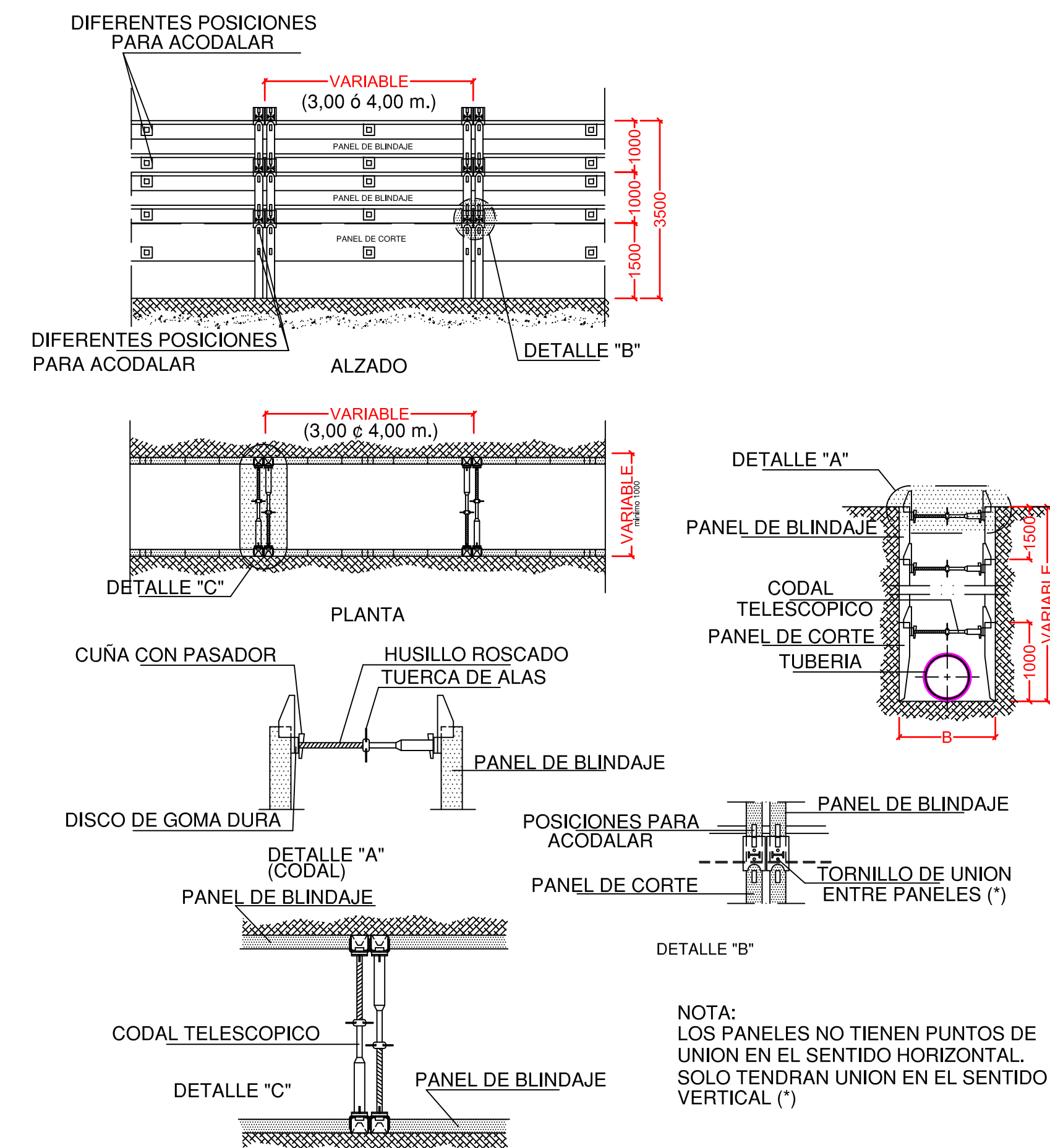
DETALLE DE ENTIBACION

MANUAL

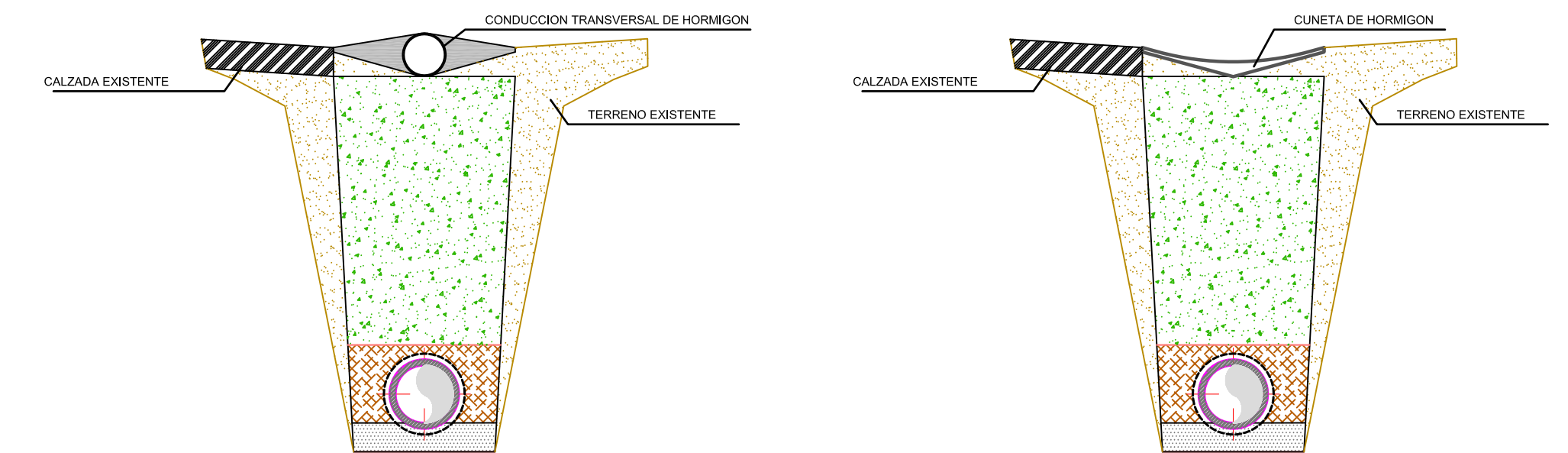


SIN ESCALA

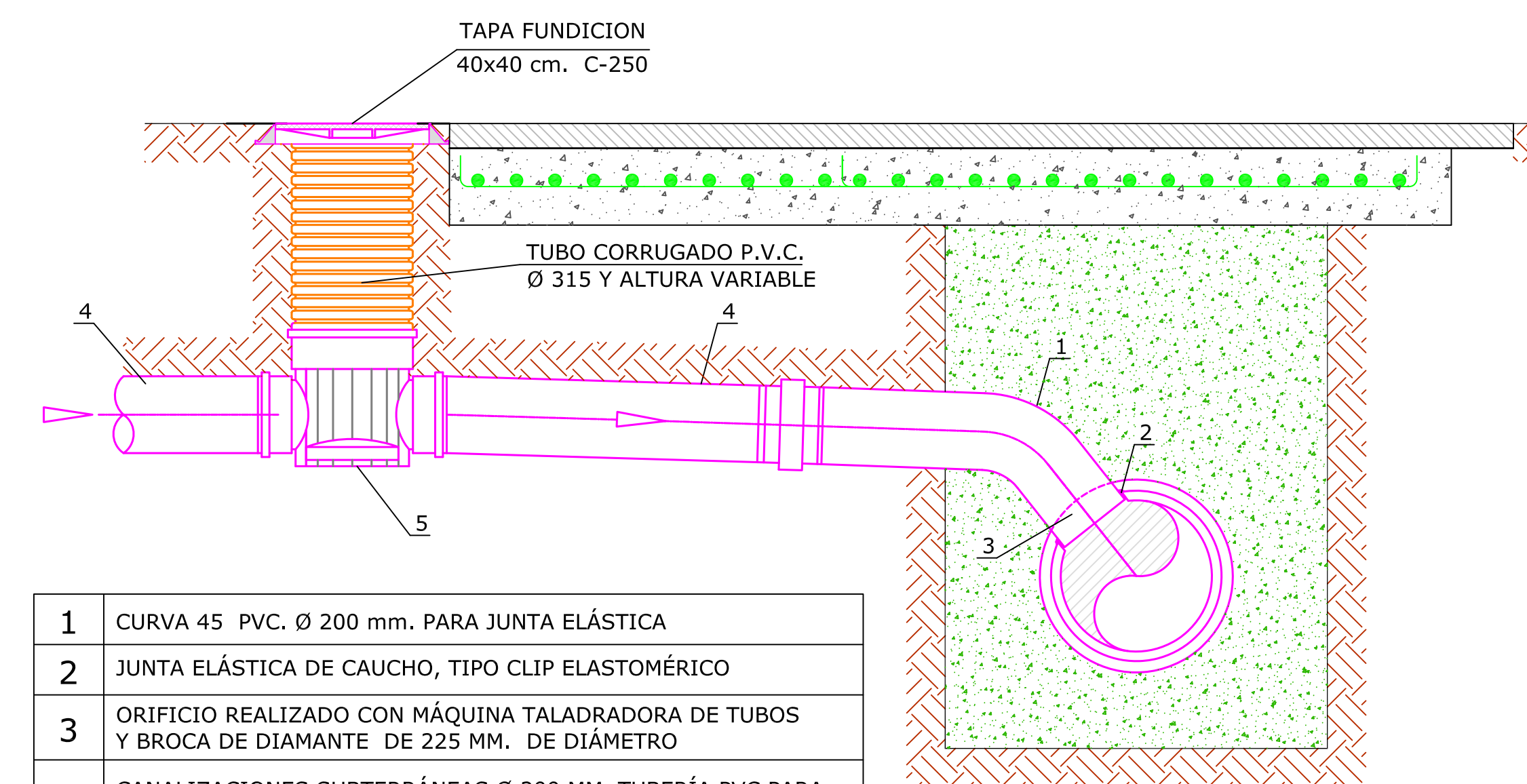
MECANICA



SIN ESCALA



Technical drawing (PLANTA) showing a horizontal pipe with a manhole cover (TAPA FUNDICION 40x40 cm. C-250) and a vertical pipe (3) leading to a wall. A small cone (4) is shown on the horizontal pipe.



1	CURVA 45 PVC. Ø 200 mm. PARA JUNTA ELÁSTICA
2	JUNTA ELÁSTICA DE CAUCHO, TIPO CLIP ELASTOMÉRICO
3	ORIFICIO REALIZADO CON MÁQUINA TALADRADORA DE TUBOS Y BROCA DE DIAMANTE DE 225 MM. DE DIÁMETRO
4	CANALIZACIONES SUBTERRÁNEAS Ø 200 MM. TUBERÍA PVC PARA EVACUACIONES Y DESAGÜE. COLOR TEJA DE 4,9 mm. DE ESPESOR UNIÓN MEDIANTE JUNTA ELÁSTICA (NORMAS UNE 53.332 Y 53.114)
5	ARQUETA REGISTRO DE PASO DIRECTO EN POLIPROPILENO CUERPO Ø 315 mm. ENTRADA/SALIDA Ø 200 mm. UNIÓN MEDIANTE JUNTA ELÁSTICA (NORMA UNE 658)

SECCIÓN

CONO

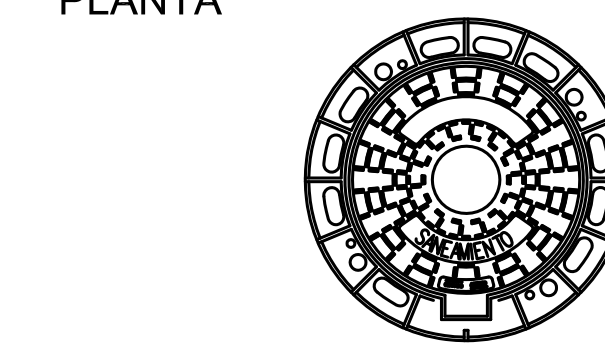
Technical drawing of a cone (CONO) showing a trapezoidal cross-section. The top width is 600 and the bottom width is 1200.

ESCALA 1:50

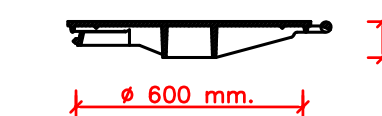
Technical drawing showing a corner joint. A pink L-shaped sealant is applied to the corner of a structure. A dimension line indicates a width of 16 mm. A label points to the sealant: JUNTA ELASTICA DE CAUCHO SBR DUREZA 40 + 5IRM.

ESCALA 1:5

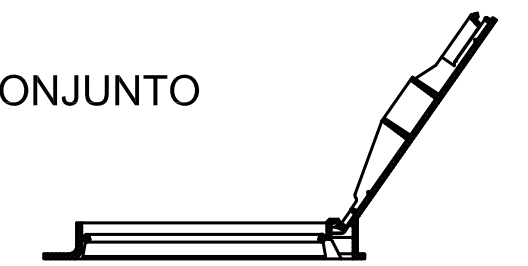
PLANTA



SECCION 1

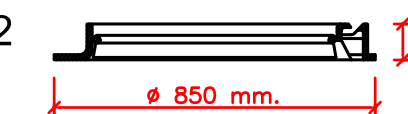


CONJUNTO



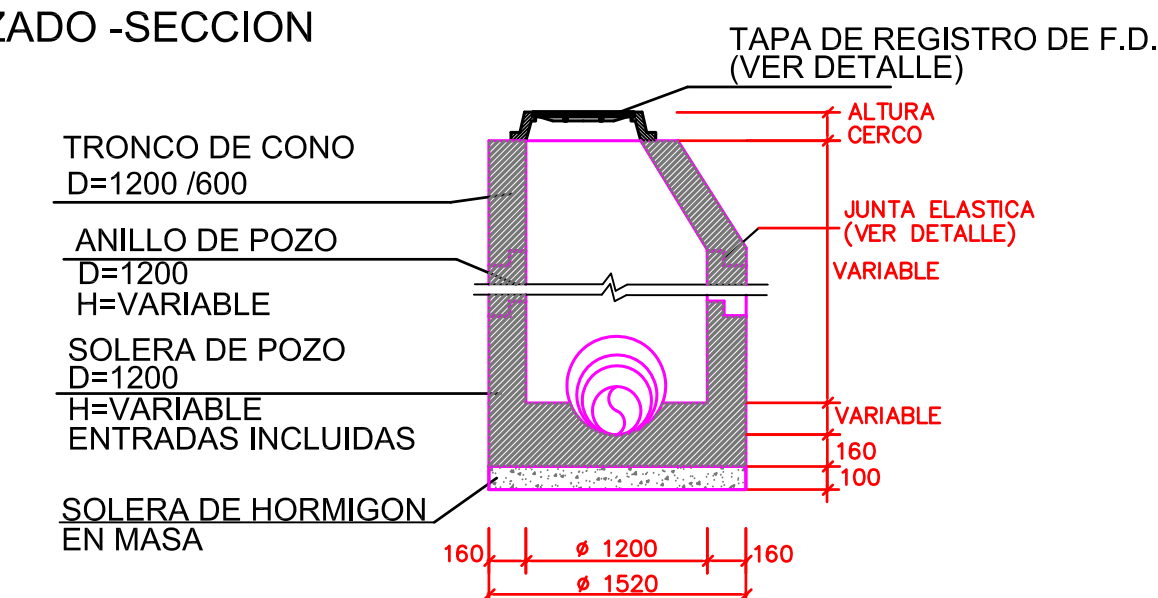
COTAS EN MM.

SECCION 2

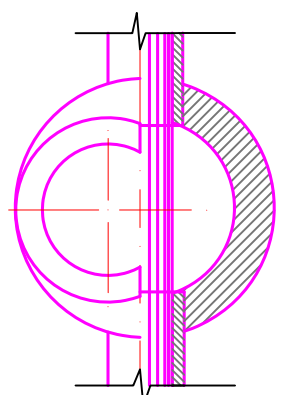


ESCALA 1:20

ALZADO -SECCION



PLANTA



ESCALA 1:50

ELEMENTOS PREFABRIC.	MEDIDAS Ø	PESO	ESPESOR CMS.
CONO	120/62.5	1000	16
ANILLO	120/25	400	16
	120/50	800	16
	120/100	1600	16
SOLERA DE POZO	120/70	—	16
	120/80	—	
	120/90	—	
	120/100	—	
	120/110	—	

Región de Murcia
Consejería de Agricultura y Agua
Dirección General del Agua

PROYECTO DE COLECTOR GENERAL DE
SANEAMIENTO DE LOS CONVENTOS EN
EN LORCA (MURCIA)

Fecha: DICIEMBRE 2014

Fecha: REV 2

4 Designacion: **DETALLES COLECTORES 2**

escalas:

VARIAS

Ingeniero Autor del Proyecto:

JOSÉ RAMÓN DÍEZ DE REVENGA ALBACETE

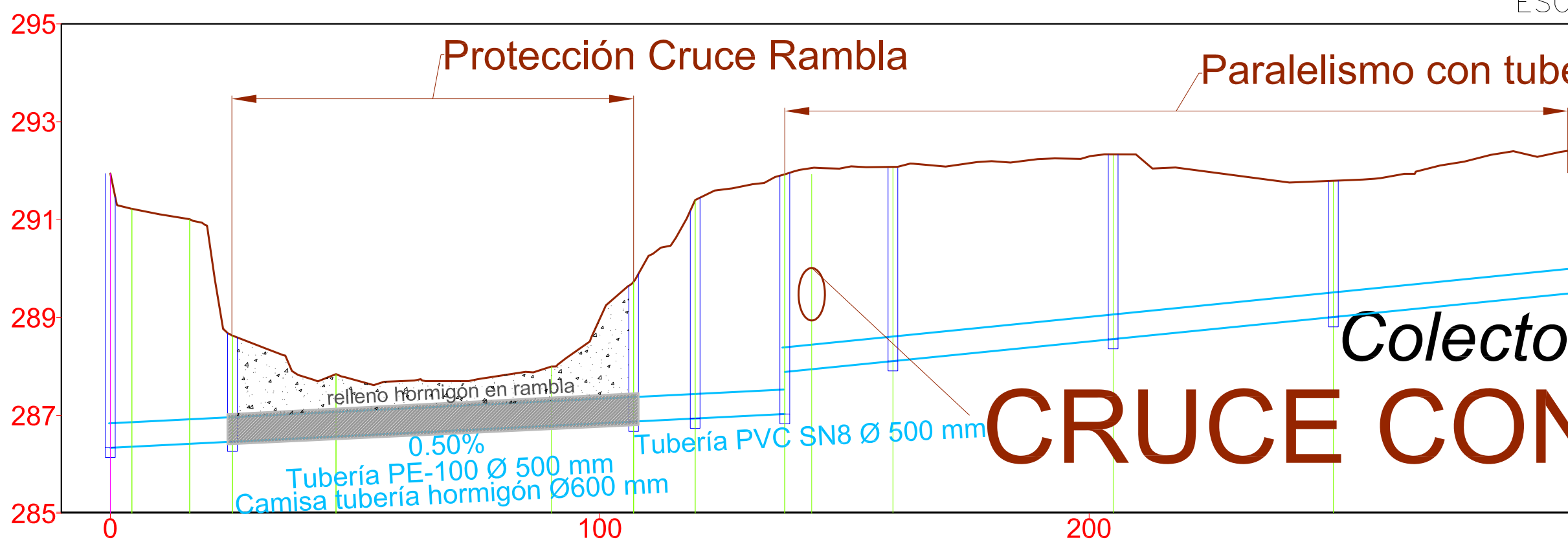
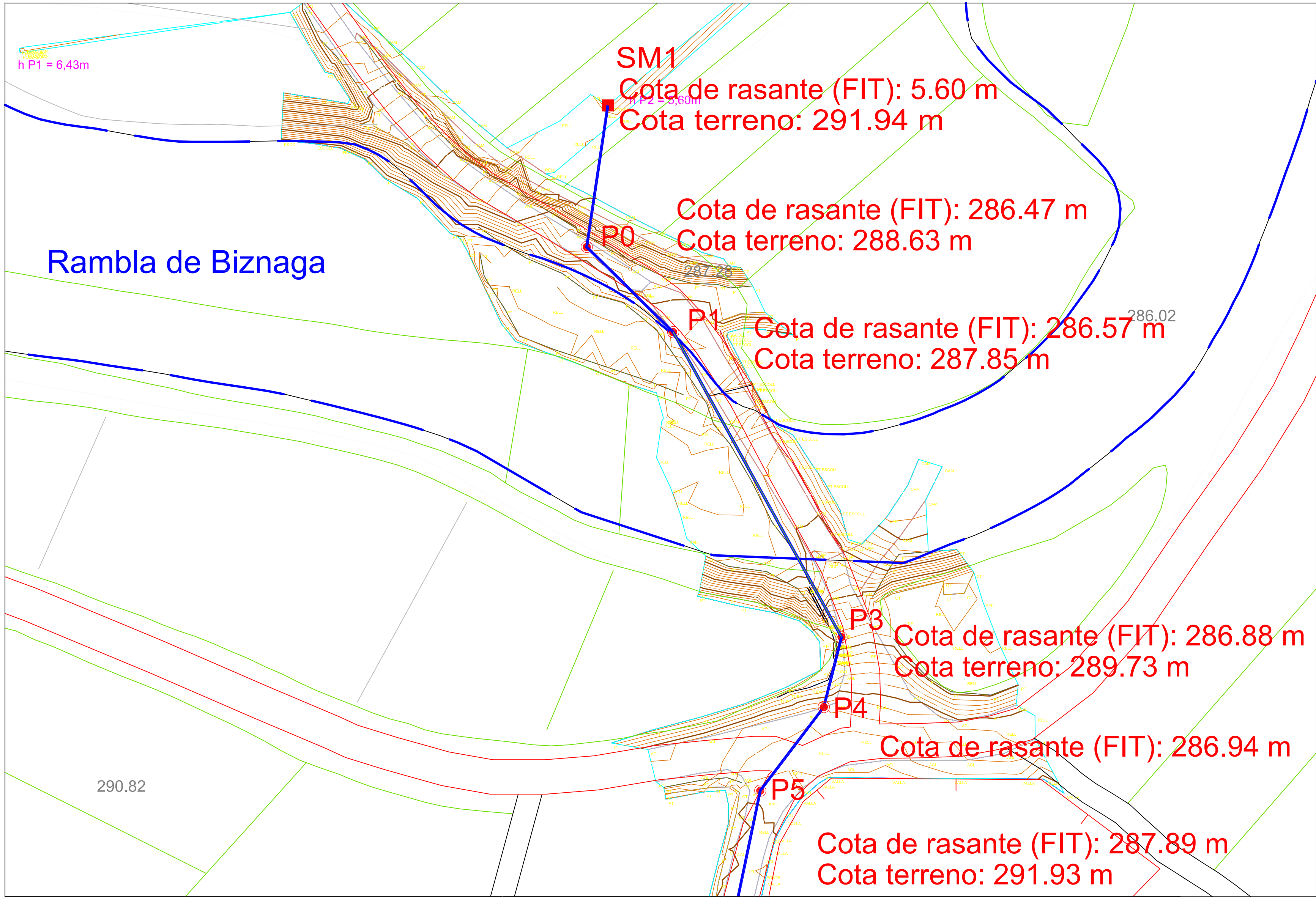
Consultora:

DDR
INGENIEROS

ano n°:

P-6.2

Planta

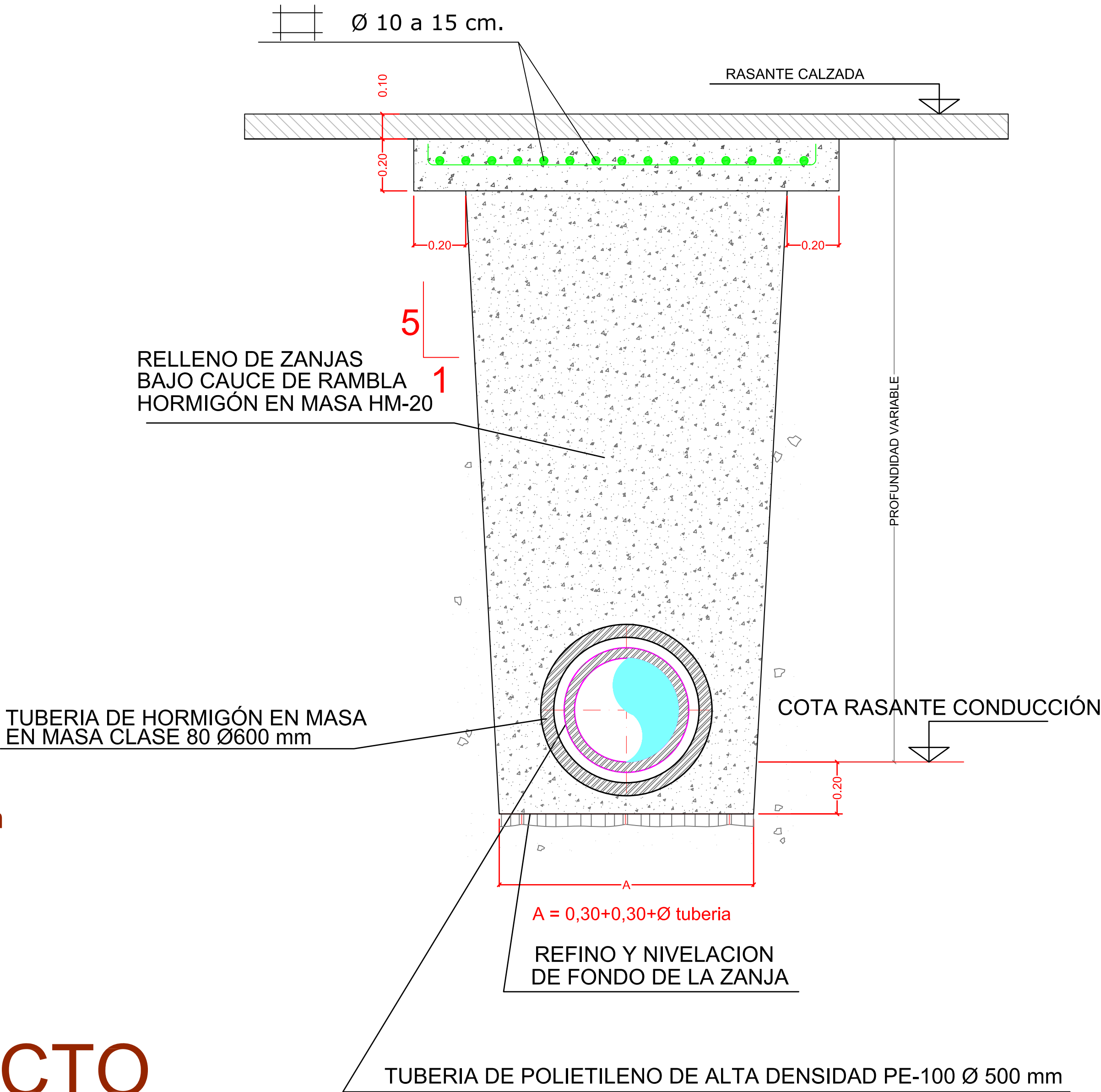


CRUCE CON GASODUCTO

Pendiente	Rasante											
Cota	Terreno											
	Fondo interior tubo											
Cotas	Rojas											
	Parcial											
Distancia	Acumulada											
	de pozo											
Numero	P.K.											
	0+000	SM-1	5.602	286.340	291.942							
	0+004	P-1	4.407	286.340	291.942							
	0+016	P-1	11.819	286.421	291.008							
	0+024	P-1	24.943	286.465	288.632							
	0+046		46.098	286.570	288.144							
	0+090		90.121	286.791	288.300							
	0+106	P-3	106.926	286.875	289.732							
	0+119	P-4	119.499	286.937	291.400							
	0+137	P-5	137.813	287.890	291.926							
	0+159	P-6	159.899	288.111	292.077							
	0+204	P-7	204.899	288.561	292.334							
	0+249	P-8	249.899	289.011	291.795							

ESCALA:
Hor.: 1/1000
Ver.: 1/250

SECCIÓN DE ZANJA EN CRUCE DE RAMBLA



Región de Murcia
Consejería de Agricultura y Agua
Dirección General del Agua

PROYECTO DE COLECTOR GENERAL DE SANEAMIENTO DE LOS CONVENTOS EN EN LORCA (MURCIA)

Fecha: **DICIEMBRE 2014**

Fecha: **REV 2**

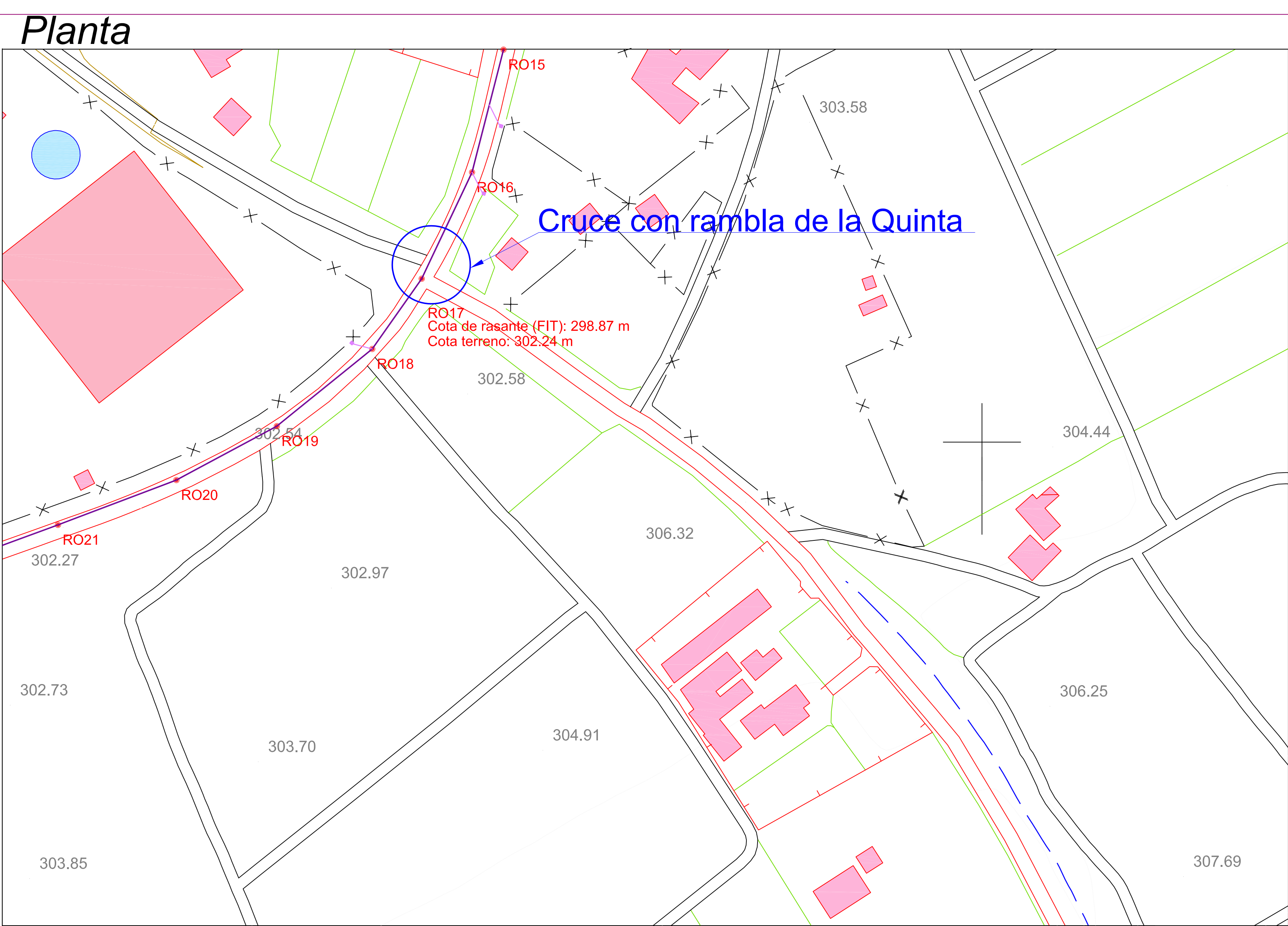
Ingeniero Autor del Proyecto: **JOSÉ RAMÓN DÍEZ DE REVENGA ALBACETE**

Designación: **PLANTA, PERFIL Y DETALLES DE CRUCE CON RAMBLA 1**

Consultora: **DDR INGENIEROS**

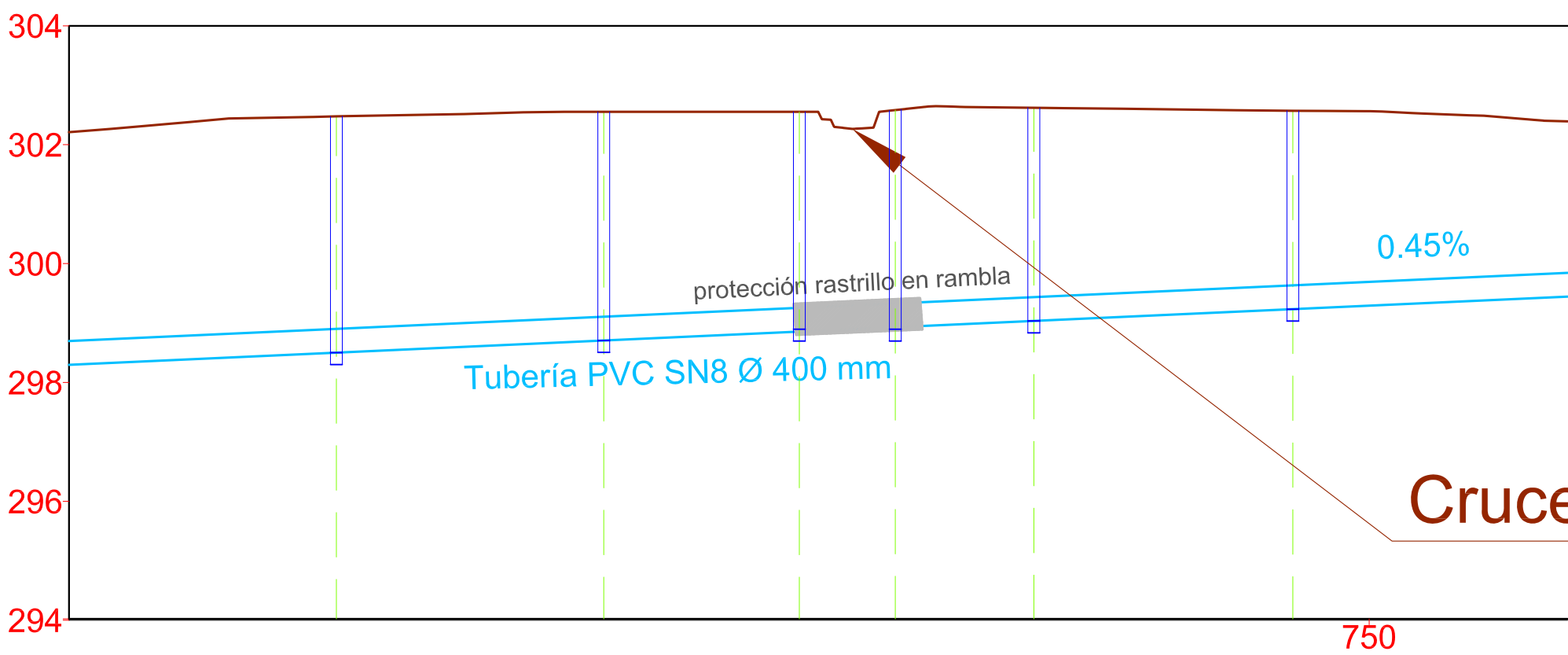
Escalas: **VARIAS**

Plano n.º: **P-7.1**



ESCALA 1/1000

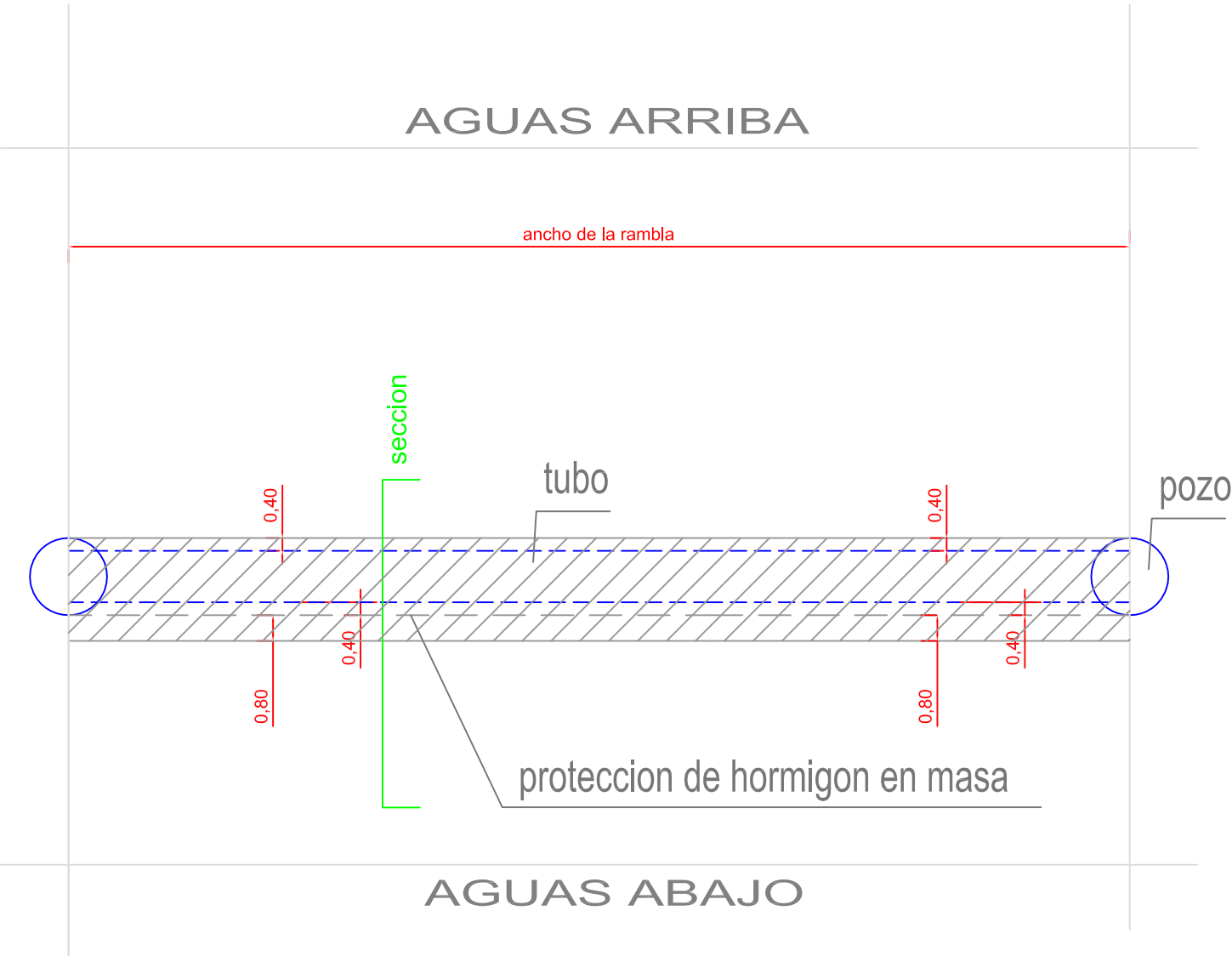
Colector Oeste: RO-17



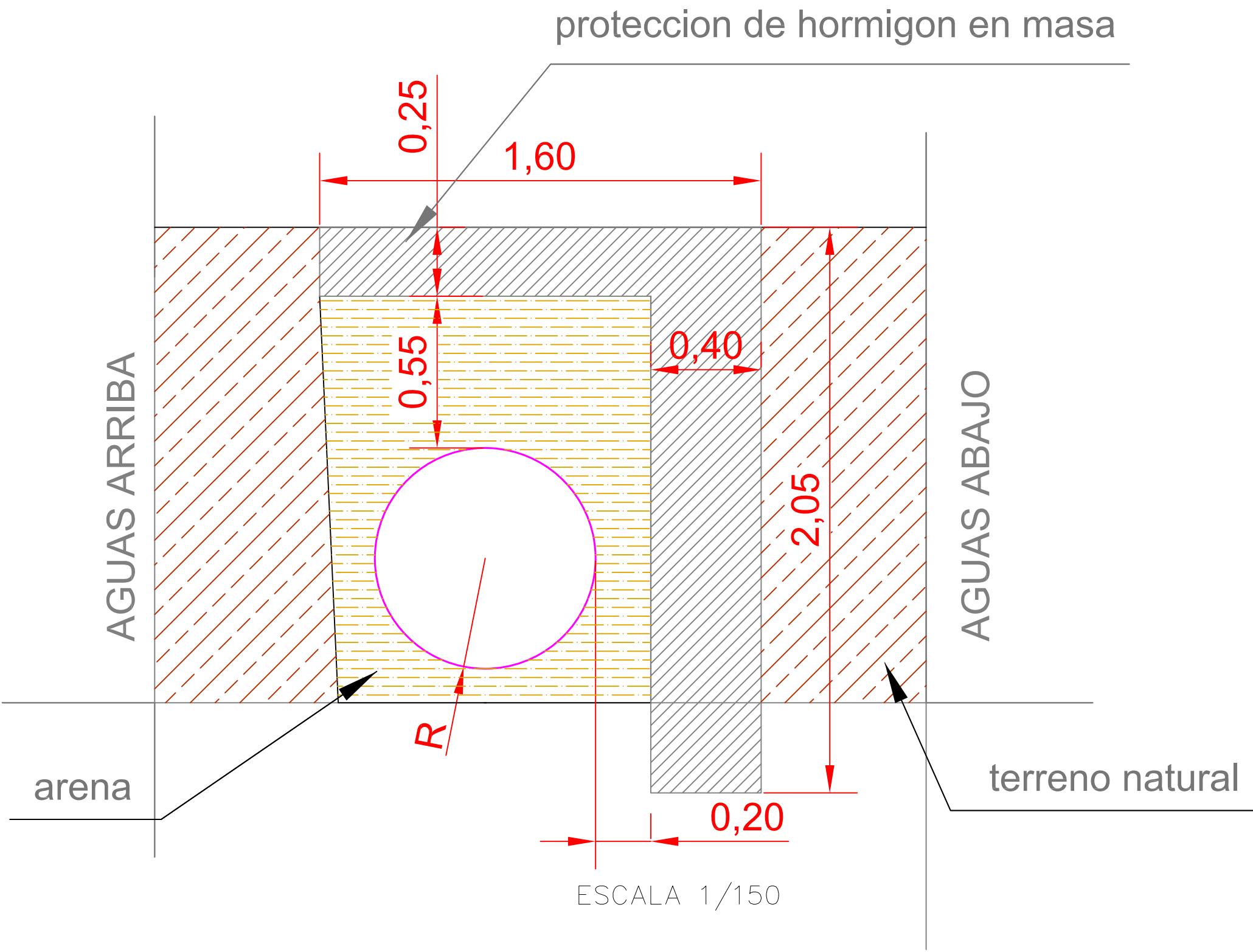
Pendiente	Rasante						
Cota	Terreno						
	Fondo interior tubo						
Cotas	Rojas						
Distancia	Parcial						
	Acumulada						
Numero	de pozo						
	P.K.						

ESCALA:
Hor.: 1/1000
Ver.: 1/250

PLANTA CRUCE COLECTOR-RAMBLA



SECCION TRANSVERSAL CRUCE COLECTOR-RAMBLA



ESCALA 1/150

 Región de Murcia Consejería de Agricultura y Agua Dirección General del Agua		
PROYECTO DE COLECTOR GENERAL DE SANEAMIENTO DE LOS CONVENTOS EN EN LORCA (MURCIA)		
Fecha: DICIEMBRE 2014	Designación: PLANTA, PERFIL Y DETALLES DE CRUCE CON RAMBLA 2	Escalas: VARIAS
Fecha: REV 2	Ingeniero Autor del Proyecto: JOSE RAMÓN DIEZ DE REVENGA ALBACETE	Consultora: DDR INGENIEROS
		Piano n.º: P-7.2

