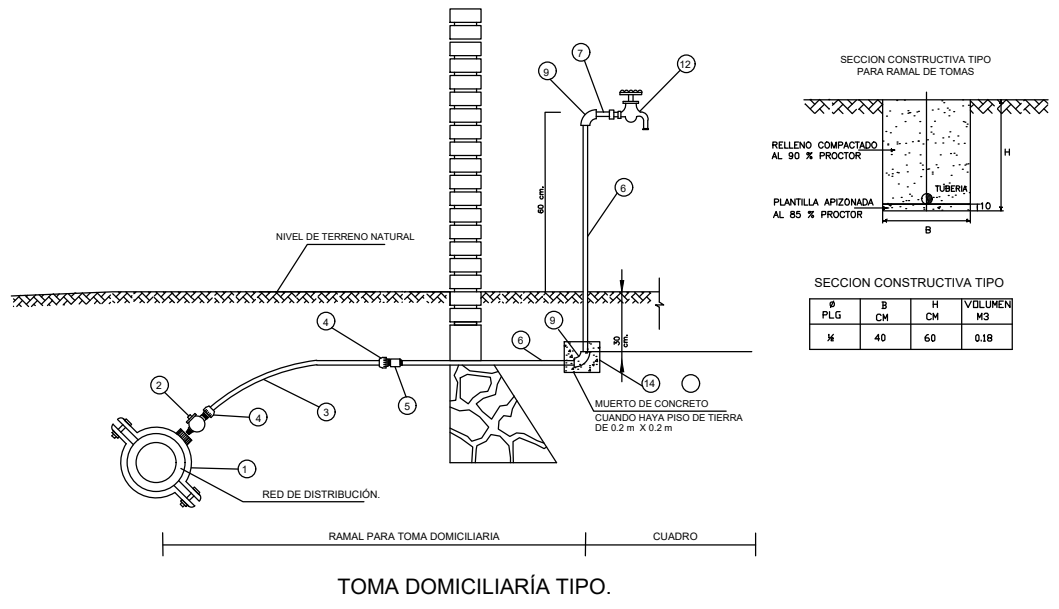




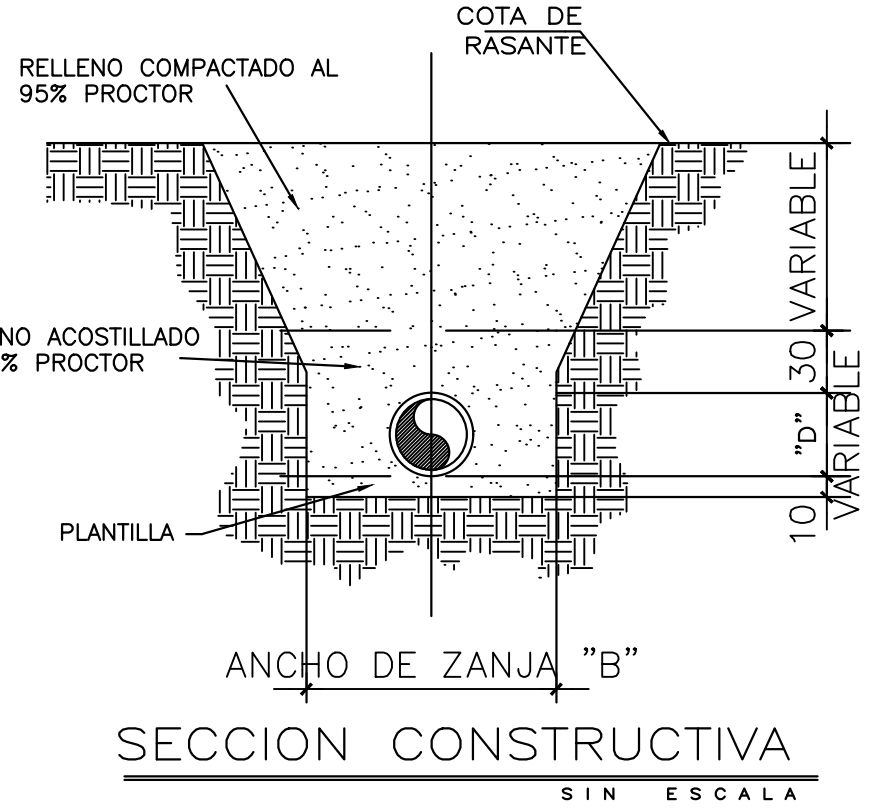
LISTA DE MATERIALES

CLAVE	DESCRIPCION	CANT.	UNIDAD
1	ABRACADERA DE INSERCIÓN CON SERVICIO DE PEGAR INTERIOR NPT DE 15 mm DE P.V.C.	1	PZA
2	VALVULA DE INSERCIÓN DE 15 mm DE BRONCE CON CONECTOR P.T. PULGADO DE POLIETILENO	1	PZA
3	TUBO RAMAL PARA TOMA DOMICILIARIA DE POLIETILENO DE ALTA RESISTENCIA	12	m
4	QUETADOR P.T. PARA POLIETILENO DE ALTA RESISTENCIA	2	PZA
5	CORPE DE P.V.C. 40 CON ROSCA NPT INTERIOR DE 1/2" MACHO C	1	PZA
6	NIPLE DE P.V.C. DE 90 cm X 13 mm DE Ø	2	PZA
7	NIPLE DE P.V.C. DE 10 cm X 13 mm DE Ø	1	PZA
8	CODO DE P.V.C. CON ROSCA NPT INTERIOR DE 1/2" X 1/2" DE Ø	4	PZA
9	LLAVE DE BRONCE CON ROSCA INTERIOR, TPO. MACHO DE 13 mm	1	PZA
10	TAPON MACHO DE P.V.C. DE 13 mm DE Ø	1	PZA
11	ATRAQUE DE CONCRETO P=100 kg/m² DE 10 X 10 X 20 cm	1	PZA

RED DE DISTRIBUCION NUEVA			
TABLA DE VOLUMENES			
No.	CONCEPTO	UNIDAD	VOLUMEN
1.-	RUPTURAS Y DEMOCIONES DE CONCRETO HIDRAULICO	M3	1,536.0
2.-	EXCAVACION CON MAQUINA PARA ZANJAS EN MATERIAL B	M3	6,798.0
3.-	EXCAVACION CON MAQUINA PARA ZANJAS EN MATERIAL C	M3	5,958.0
4.-	PLANTILLAS Y RELLENOS COMPACTADOS	M3	10,394.0
5.-	TUBERIA DE PVC RD-26 DE 50 MM (2") DE DIAMETRO	ML	6,213.0
6.-	TUBERIA DE PVC RD-26 DE 63 MM (2 1/2") DE DIAMETRO	ML	5,862.0
7.-	TUBERIA DE PVC RD-26 DE 75 MM (3") DE DIAMETRO	ML	1,005.0
8.-	TUBERIA DE PVC RD-26 DE 102 MM (4") DE DIAMETRO	ML	2,361.0
9.-	REPOSICION DE BANQUETAS Y PAVIMENTO	M2	9,215.0
10.-	TOMAS DOMICILIARIAS	PZAS	910.0

RED 2 ZONA BAJA
GASTO MAX. HORARIO 11.08 LPS
2,114 HABITANTES DE DISEÑO

RED 2 ZONA BAJA
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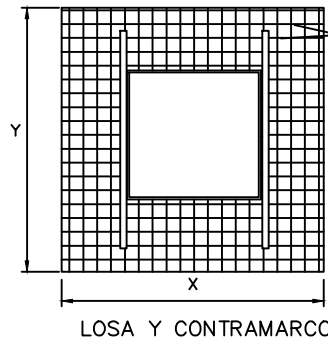


RED 2 ZONA BAJA	
DIAMETRO REQUERIDO (PULG)	5 DIAMETRO
POBLACION ACTUAL (2025):	2,114 HAB.
POBLACION DE PROYECTO (2045):	2,846 HAB.
NUMERO DE AÑOS DE VIDA UTIL	20 AÑOS
DOTACION:	155 L/H/D
COEFICIENTE DE VARIACION DIARIA	1.40
COEFICIENTE DE VARIACION HORARIA	1.55
GASTO MEDIO:	5.11 LP/S
GASTO MAXIMO DIARIO	7.15 LP/S
GASTO MAXIMO HORARIO	11.08 LP/S
FUENTE DE ABASTECIMIENTO	OBRA DE CAPTACION
COEFICIENTE DE RUGOSIDAD	0.014
TIPO DE CONDUCCION	A GRAVEDAD
DISTRIBUCION	A GRAVEDAD
TIPO DE DESINFECCION	CLORADOR TIPO ELEMENTAL
TIPO DE SERVICIO	TOMAS DOMICILIARIAS

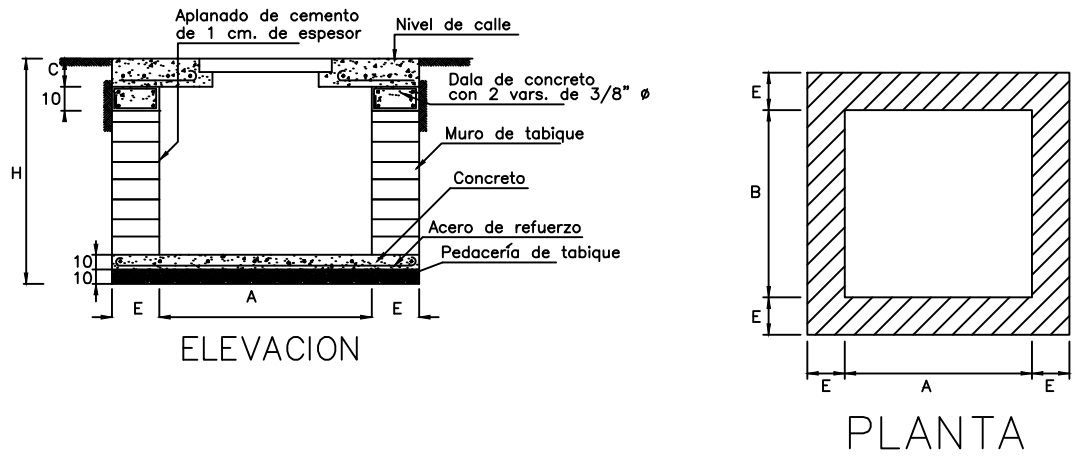
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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DESPIECE
RED 2 ZONA BAJA

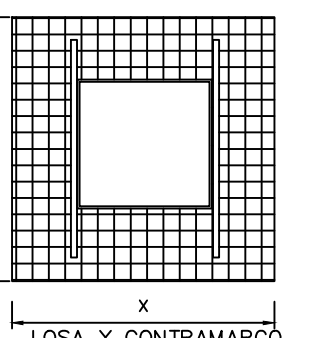
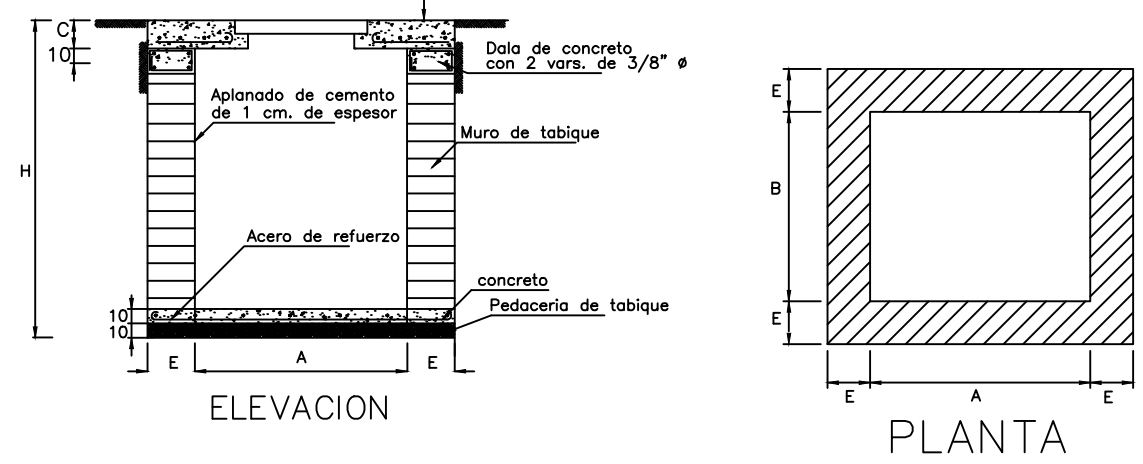
BARRIO SANTO DOMINGO



TIPO 1



TIPO 2



DATOS PARA CAJAS DE VALVULAS																											
CAJA TIPO Nº	DIAM. DE VALVULAS	CANT. DE VALS.	h. EN m.	c. EN cm.	a. EN m.	b. EN m.	e. EN MURDO cm.	x. EN m.	y. EN m.	CONTRAMARCOS			EXC. m²	PED. TAB. m²	L.CON. PISO m²	M.TAB. MOR.-CEM. m²	DALA CEM. 2/RS 3/8 cm²	APLAN. CEM. m²	L.CONC. TECHO M²	VAR. 3/8 Ø							
										SEÑILLO	DOBLE	CANT.															
1	50 y 60	1	0.87	11.3	0.7	0.7	14	0.98	0.98	0.9	-----	1	100	0.85	0.96	0.1	1.55	0.047	1.54	0.085	21						
2	75 a 150	1	1.27	11.3	1	0.9	14	1.28	1.18	1.1	-----	1	100	1.92	1.51	0.15	3.75	0.061	3.6	0.151	32						
3	200 a 350	1	1.52	16.3	1.4	1.2	28	1.96	1.76	1.4	-----	1	150	9.24	3.45	0.35	6.7	0.176	5.98	0.843	69						
4	450 y 500	1	1.97	16.3	1.7	1.6	28	2.26	2.16	1.8	-----	1	150	9.61	4.88	0.49	11.66	0.216	12.35	0.786	94						
5	50 a 150	2	1.17	11.3	1.3	0.9	14	1.58	1.18	1.1	-----	2	100	2.18	1.86	0.19	3.75	0.069	3.74	0.164	35						
6	150 y 200	2	1.37	16.3	1.4	1.2	28	1.96	1.76	1.8	-----	1.8	1	150	4.73	3.45	0.35	5.69	0.176	5.2	0.5	64					
7	250 a 350	2	1.72	16.3	1.9	1.6	28	2.45	2.16	1.8	-----	2	150	9.13	5.31	0.53	10.15	0.227	9.45	0.817	99						
8	350 a 450	2	1.67	16.3	2.2	1.6	28	2.76	2.16	1.8	-----	2	150	9.95	5.96	0.6	10.46	0.244	9.88	0.927	112						
9	50 a 150	2	1.32	11.3	1.2	0.9	14	1.48	1.48	1.4	-----	2	100	2.31	1.75	0.16	4.28	0.066	4.2	0.149	37						
10	150 a 250	2	1.27	11.3	1.3	1.2	14	1.58	1.48	1.4	-----	2	100	2.97	2.34	0.24	4.75	0.078	4.75	0.22	48						
11	250 a 350	2	1.52	16.3	1.7	1.6	28	2.26	2.16	1.8	-----	2	150	7.42	4.88	0.49	8.1	0.216	7.59	0.744	95						
12	50 a 150	3	1.27	11.3	1.4	1.1	28	1.96	1.66	1.8	-----	1.8	2	100	4.13	3.25	0.35	8.2	0.171	4.75	0.3	55					
13	200 a 450	3	1.67	16.3	2.3	1.6	28	2.85	2.16	1.8	-----	3	150	10.32	6.18	0.62	10.7	0.249	10.14	0.921	114						

SIMBOLOGIA	
---	TUBERIA DE 101.6mm(4")
---	TUBERIA DE 152.4mm(6")
---	TUBERIA DE 203.2mm(8")
---	TUBERIA DE 254.0mm(10")
---	TUBERIA DE 304.8mm(12")
---	TUBERIA DE 355.6mm(14")
---	TUBERIA DE 406.4mm(16")
---	TUBERIA DE 457.2mm(18")
---	TUBERIA DE 508.0mm(20")
---	TUBERIA DE 558.8mm(22")
---	TUBERIA DE 609.6mm(24")
---	TUBERIA DE 660.4mm(26")
---	TUBERIA DE 711.2mm(28")
---	TUBERIA DE 762.0mm(30")
---	TUBERIA DE 812.8mm(32")
---	TUBERIA DE 863.6mm(34")
---	TUBERIA DE 914.4mm(36")
---	TUBERIA DE 965.2mm(38")
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---	TUBERIA DE 1117.6mm(44")
---	TUBERIA DE 1168.4mm(46")
---	TUBERIA DE 1219.2mm(48")
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---	TUBERIA DE 1320.8mm(52")
---	TUBERIA DE 1371.6mm(54")
---	TUBERIA DE 1422.4mm(56")
---	TUBERIA DE 1473.2mm(58")
---	TUBERIA DE 1524.0mm(60")
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---	TUBERIA DE 1625.6mm(64")
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---	TUBERIA DE 1828.8mm(72")
---	TUBERIA DE 1879.6mm(74")
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---	TUBERIA DE 2184.4mm(86")
---	TUBERIA DE 2235.2mm(88")
---	TUBERIA DE 2286.0mm(90")
---	TUBERIA DE 2336.8mm(92")
---	TUBERIA DE 2387.6mm(94")
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---	TUBERIA DE 2489.2mm(98")
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---	TUBERIA DE 2590.8mm(102")
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---	TUBERIA DE 2692.4mm(106")
---	TUBERIA DE 2743.2mm(108")
---	TUBERIA DE 2794.0mm(110")
---	TUBERIA DE 2844.8mm(112")
---	TUBERIA DE 2895.6mm(114")
---	TUBERIA DE 2946.4mm(116")
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---	TUBERIA DE 3048.0mm(120")
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