

SECTION 4-B EMBEDMENT

CITY OF SACHSE, TEXAS
DEPARTMENT OF ENGINEERING

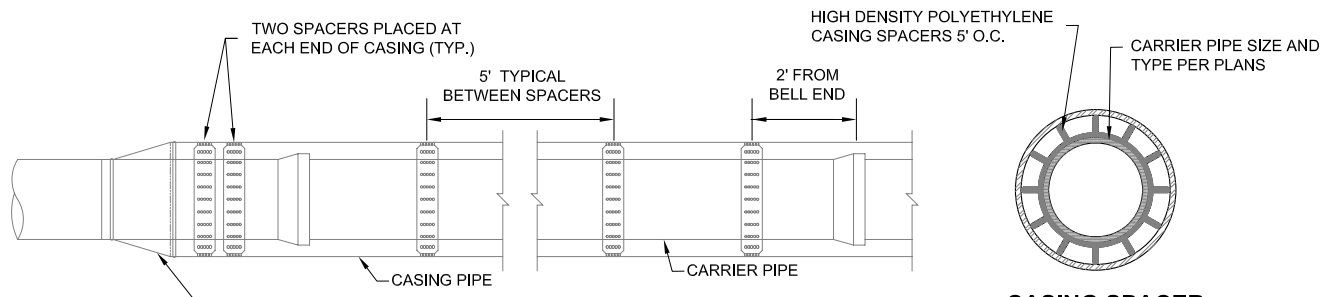
STANDARD CONSTRUCTION DETAILS
SANITARY SEWER

EMBEDMENT

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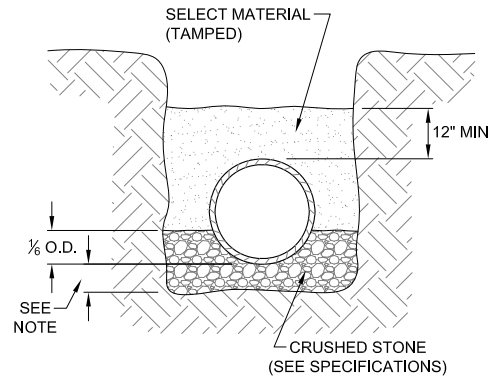
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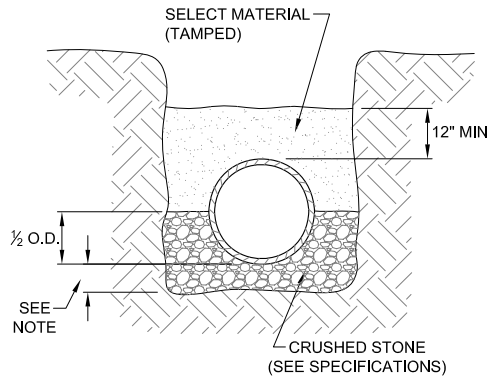
CASING SPACER PROFILE

CASING SPACER



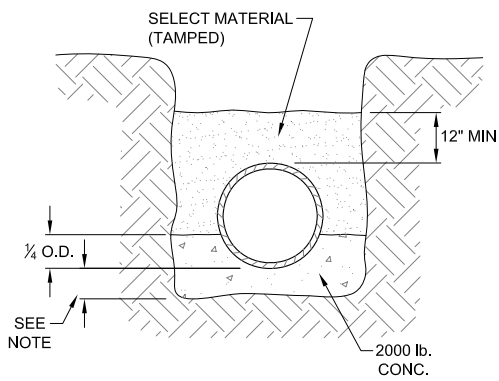
CLASS 1 EMBEDMENT

LF = 1.5



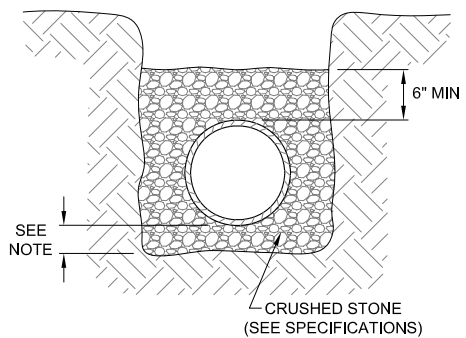
CLASS 2 EMBEDMENT

LF = 1.9



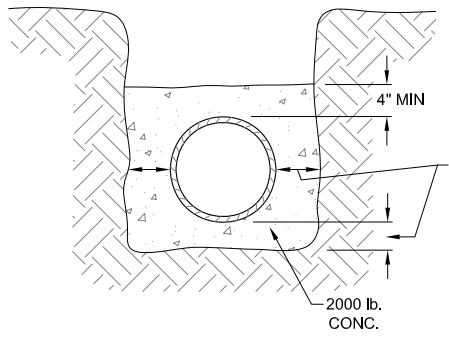
CLASS 3 EMBEDMENT

LF = 28



CLASS 4 EMBEDMENT

LF = 20



CONCRETE ENCASEMENT

LF = 42

P.V.C. PIPE ONLY

NOTE: 6" MIN. CLEARANCE BETWEEN BELL OF PIPE AND BOTTOM AND SIDES OF TRENCH (TYP)

TYPE OF EMBEDMENT OR ENCASEMENT SHALL BE SHOWN IN THE PROFILES FOR ALL LINES. LOAD CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT.

CITY OF SACHSE, TEXAS DEPARTMENT OF ENGINEERING		
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**TABLE OF QUANTITIES OF 2000 PSI CONCRETE, GRAVEL OR CRUSHED STONE
IN CUBIC YARDS PER 100 LINEAR FEET FOR EACH CLASS EMBEDMENT**

TABLE OF QUANTITIES PER 100 LINEAR FEET REINFORCED CONCRETE PIPE (IN CUBIC YARDS)

SIZE OF PIPE IN INCHES ID	OD OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 1 EMBEDMENT CRUSHED STONE	CLASS 2 EMBEDMENT CRUSHED STONE	CLASS 3 EMBEDMENT CONCRETE	CONCRETE ENCASEMENT
12	16.00	32	2.67	4.1	6.5	4.8	15.8
15	19.50	36	3.00	4.8	7.8	6.4	19.2
18	23.00	39	3.25	5.7	9.2	8.2	21.2
21	26.50	43	3.58	6.9	11.0	10.2	24.9
24	30.00	46	3.83	8.3	13.1	12.4	28.7
27	33.50	51	4.25	10.3	16.1	14.4	32.8
30	37.00	57	4.75	12.7	20.1	17.0	34.8
33	40.50	62	5.17	15.1	23.8	19.3	39.2
36	44.00	67	5.58	18.0	28.6	22.1	43.8

TABLE OF QUANTITIES PER 100 LINEAR FEET PVC PIPE (IN CUBIC YARDS)

SIZE OF PIPE IN INCHES ID	OD OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 4 EMBEDMENT CRUSHED STONE	CONCRETE ENCASEMENT
6	6.28	18	1.50	8.0	11.7
8	8.16	24	2.00	8.7	12.4
10	10.20	26	2.18	10.2	14.2
12	12.24	28	2.35	11.7	15.9
15	15.30	31	2.61	14.0	18.8

TABLE OF QUANTITIES PER 100 LINEAR FEET (IN CUBIC YARDS)

SIZE OF PIPE IN INCHES ID	OD OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 1 EMBEDMENT CRUSHED STONE	CLASS 2 EMBEDMENT CRUSHED STONE	CLASS 3 EMBEDMENT CONCRETE	CONCRETE ENCASEMENT
8	9.75	26	2.17	2.9	4.3	3.3	10.9
10	12.00	28	2.33	3.3	5.0	3.7	12.5
12	14.25	30	2.50	3.7	5.8	4.3	14.2
15	17.80	36	3.00	4.8	7.8	7.0	17.5
18	21.45	39	3.25	5.6	9.1	8.9	21.0
21	25.00	43	3.58	6.7	11.0	11.1	23.0
24	28.50	46	3.83	8.0	12.9	12.3	26.8
27	32.10	51	4.25	10.0	15.9	14.3	30.8
30	35.60	57	4.75	12.4	19.8	16.8	34.9
33	38.95	61	5.08	14.5	22.9	18.7	37.0
36	42.25	66	5.50	17.0	26.8	21.1	41.5

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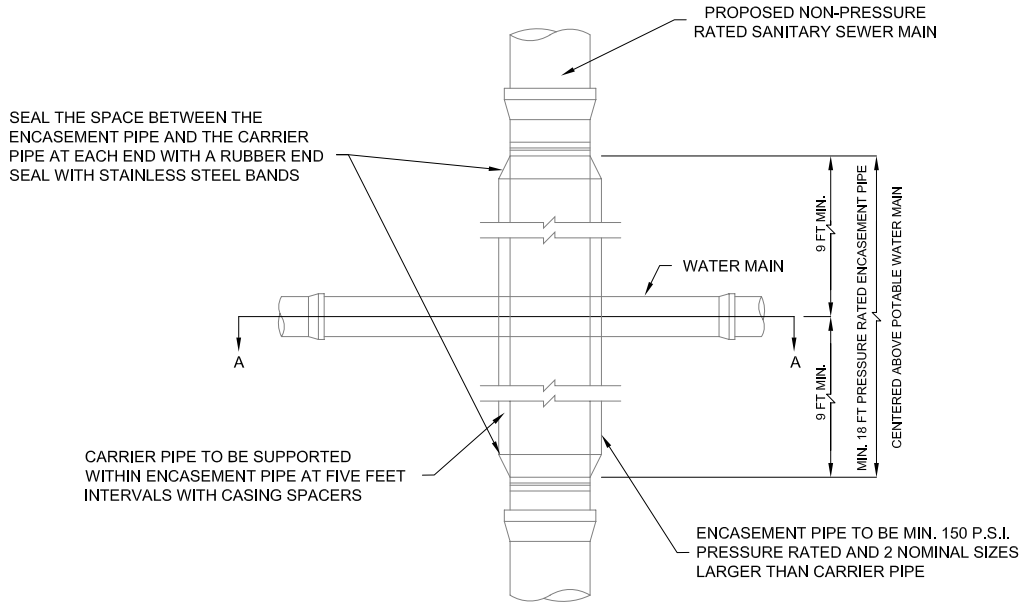
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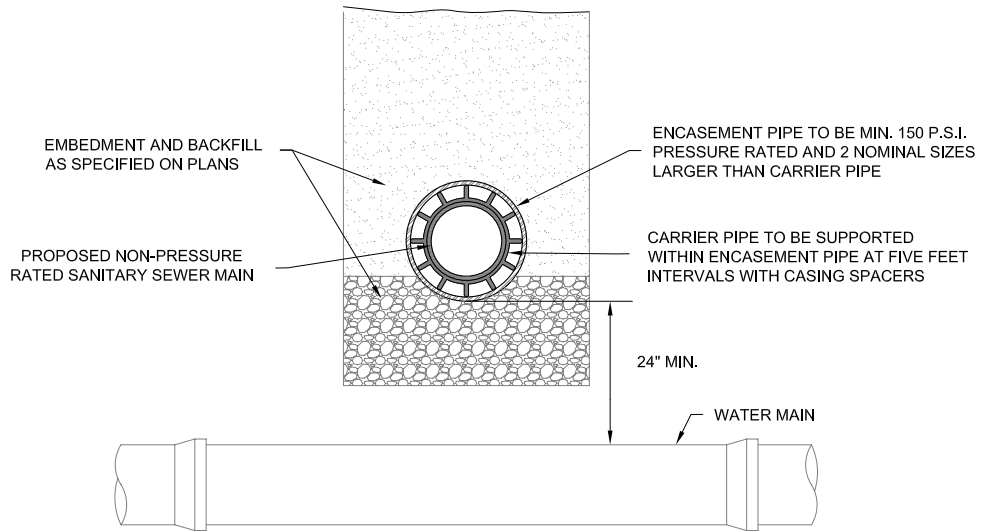
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SECTIONAL PLAN VIEW



SECTION A-A

CITY OF SACHSE, TEXAS
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STANDARD CONSTRUCTION DETAILS
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ENCASEMENT DETAILS

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