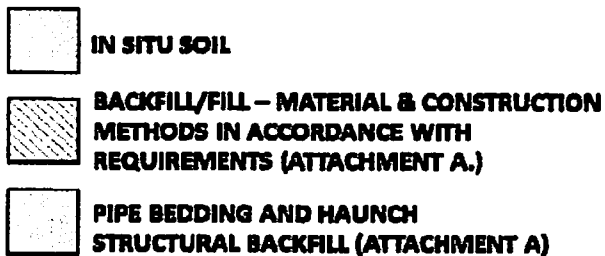


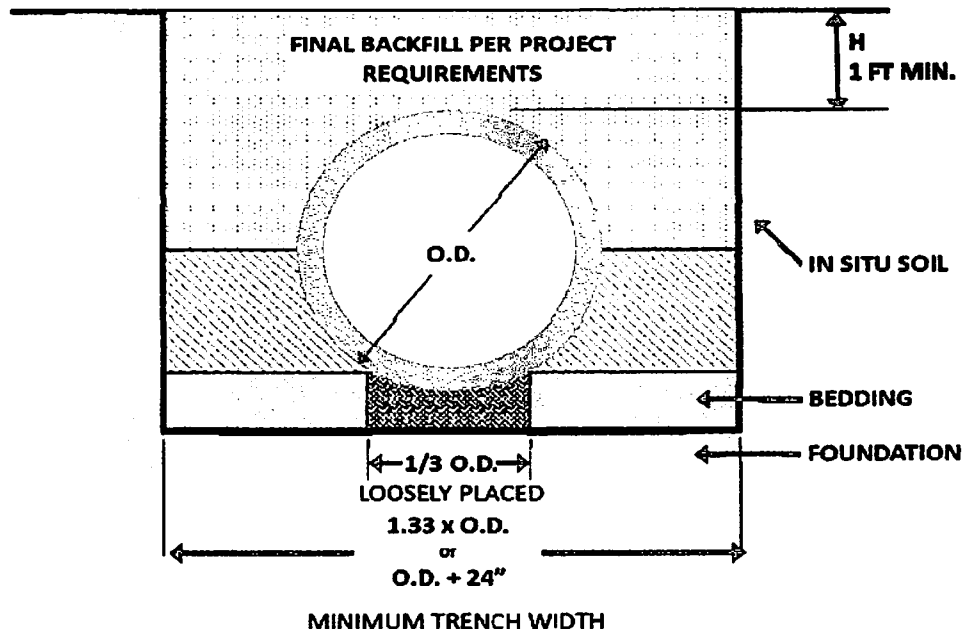
**REINFORCED CONCRETE PIPE  
TRENCH DETAIL - AASHTO SECTION 27**



O.D. PIPE OUTSIDE DIAMETER

H HEIGHT OF COVER

Pipe Diameter (in.)	Outside Diameter (in.)	0.5 O.D. (feet)	1.33 O.D. or O.D. + 24" (feet)
12	16.50	0.7	3.4
15	19.50	0.8	3.6
18	23.00	1.0	3.9
21	26.50	1.1	4.2
24	30.00	1.3	4.5
27	33.50	1.4	4.8
30	37.00	1.5	5.1
36	44.00	1.8	5.7
42	51.00	2.1	6.3
48	58.00	2.4	6.8
54	65.00	2.7	7.4
60	72.00	3.0	8.0
66	79.00	3.3	8.8
72	86.00	3.6	9.5
78	93.00	3.9	10.3
84	100.00	4.2	11.1
90	107.00	4.5	11.9
96	114.00	4.8	12.6
102	121.00	5.0	13.4
108	128.00	5.3	14.2
114	135.00	5.6	15.0
120	142.00	5.9	15.7



**STANDARD INSTALLATION SOILS AND MINIMUM COMPACTION REQUIREMENTS**

	Bedding thickness	Bedding and Haunch	Lower Side	Backfill/Fill
A T T A C H M E N T A	O.D./24 minimum, not less than 3". If rock foundation O.D./12 minimum, not less than 6"	90% Category I or 95% Category II	85% Category I, 90% Category II, or 95% Category III	Material and construction methods in accordance with project specification.

\*Material placement shall be in 8 inch lifts and compacted in accordance with AASHTO T 99.

	SIDD	USCS	AASHTO
	Category I - Gravely Sand	SW,SP,G,GP	A1, A3
	Category II - Sandy Silt	GM,SM,ML CG, SC with < than 20% passing #200 Sieve	A2, A4
	Category III - Silty Clay	CL,MH,GC, SC	A5, A6