



FOR EXCAVATION IN POOR SOIL: REMOVE UNSUITABLE MATERIAL TO WIDTH AND DEPTH DIRECTED. BEFORE PIPE IS LAID, THE SUBGRADE SHALL BE BACKFILLED WITH AN APPROVED MATERIAL IN 3" LAYERS, EACH LAYER SHALL BE THOROUGHLY TAMPED TO 95% COMPACTION.

PIPE SIZE (NOMINAL)	A (MAXIMUM) EARTH/ROCK	B (MAXIMUM) EARTH/ROCK	C	D MIN./MAX.
6"	3.50'/4.00'	2.00'/2.50'	AS REQ'D	9"/12"
8"	3.50'/4.00'	2.00'/2.50'	..	9"/12"
12"	4.00'/4.50'	2.50'/3.00'	..	9"/12"
16"	4.50'/5.00'	3.00'/3.50'	..	9"/12"
20"	4.50'/5.00'	3.00'/3.50'	..	9"/12"
24"	5.00'/5.50'	3.50'/4.00'	..	9"/12"
30"	5.50'/6.00'	4.00'/4.50'	..	9"/12"
36"	6.00'/6.50'	4.50'/5.00'	..	9"/12"
48"	7.00'/7.50'	5.50'/6.00'	..	9"/12"

**NOTES:**

1. COMPACTION: BACKFILLS SHALL BE BUILT UP IN LAYERS AND EACH LAYER SHALL BE THOROUGHLY COMPACTED BEFORE BEGINNING ANOTHER LAYER. LAYERS SHALL BE NO MORE THAN 12-INCHES IN DEPTH, PUDDLING WILL NOT BE PERMITTED, NOR WILL FROZEN OR WET MATERIAL BE PLACED IN TRENCHES.
2. COMPACTION STANDARDS: ALL BACKFILL MATERIALS USED SHALL CONTAIN A SUFFICIENT AMOUNT OF MOISTURE FOR PROPER COMPACTION, AND THESE MATERIALS SHALL BE COMPACTED AT NOT LESS THAN 98% OF THEIR OPTIMUM COMPACTION FOR ANY SPECIFIC SOIL CLASSIFICATION, AS DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D698.
3. COMPACTION TEST: COMPACTION TEST WILL BE REQUIRED IN EXISTING OR PROPOSED STREETS, SIDEWALKS, DRIVES AND OTHER EXISTING OR PROPOSED PAVED AREAS AT VARYING DEPTHS AND AT INTERVALS AS DETERMINED BY THE ENGINEER WITH A MINIMUM OF ONE TEST ON EACH JOB, AND A MAXIMUM OF ONE REQUIRED TEST FOR 400 FEET OF LESS OF WATER MAIN CONSTRUCTION, UNLESS SOIL CONDITIONS OR CONSTRUCTION PRACTICES, IN THE OPINION OF THE ENGINEER, WARRANT THE NEED FOR ADDITIONAL TESTS.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta 	<h2 style="margin: 0;">STANDARD DETAILS</h2> <h2 style="margin: 0;">TYPICAL WATERLINE TRENCH SECTION</h2>	REV. DATE: OCT. 2011 ORIG. DATE: OCT. 2004 SCALE: N.T.S.
		DETAIL NO. WR-G_TR001