



TABLE 1

WATER MAIN	CASING INSIDE DIAMETER	WALL THICKNESS	WATER MAIN	CASING INSIDE DIAMETER	WALL THICKNESS
6"	14"	1/4"	12"	20"	3/8"
8"	16"	1/4"	14"	22"	3/8"
10"	18"	3/8"	OVER 14"	REQUIRES ENG. APPROVAL	

SAND CUSHION SCHEDULE - DIMENSION "B"

PIPE DEPTH	LESS THAN 3'	(B) DIMENSION SHALL BE MIN. 12" IF (A) DIMENSION IS 2' OR LESS
	MORE THAN 3'	(B) DIMENSION SHALL BE MIN. 6" IF (A) DIMENSION IS MORE THAN 3'

NOTES

- IF THIS IS A HIGH POINT, IT MAY REQUIRE AIR AND VACUUM RELEASE VALVE ASSEMBLIES ON BOTH SIDES OF THE STRUCTURE.
- IF DEFLECTION IS MORE THAN 1/2 PIPE DIAMETER, INSTALL BLOW-OFF ASSEMBLY AT THE LOW POINT PER STD. DWG. NO. 4013.
- ALL JOINTS SHALL BE FULLY WELDED FOR A DISTANCE OF 120', UNLESS OTHERWISE ALLOWED.

(4) MAXIMUM ALLOWABLE ANGLE FOR FITTINGS = 45°.

(5) NO JOINTS SHALL BE ALLOWED, MINIMUM OF 10 FEET.



APPROVED BY:		11-22-10	
Louis Abi-Younes		44485	
LOUIS ABI-YOUNES, CITY ENGINEER		RCE	DATE
RECOMMENDED:		10/25/10	
Scott Burton		57875	
SCOTT BURTON, UTILITIES ENG/ OPERATIONS DIRECTOR		RCE	DATE
REV	DESCRIPTION	BY	APP'D DATE

CITY OF ONTARIO

RELOCATION OF WATER MAIN AND FIRE HYDRANT LATERALS (CONDITION 2)

STANDARD DRAWING NUMBER

4008