

POTABLE AND REUSE WATER MAINS

1. PVC PIPE 3" AND LESS DIAMETER SHALL BE ASTM DD2241, SDR-21 (200PSI).
2. PVC PIPE 4"-12" SHALL BE AWWA C900 DR18 (PC-235PSI).
3. PVC PIPE GREATER THAN 12" SHALL BE AWWA C905 DR18 (PC-235PSI).
4. FITTINGS AND VALVES 4" AND GREATER SHALL BE MECHANICAL JOINT DUCTILE IRON (250 PSI MIN.).
5. MECHANICAL JOINT RESTRAINTS SHALL BE UTILIZED TO RESTRAIN NEW PIPE AND FITTINGS.
6. CONCRETE THRUST BLOCKS SHALL BE UTILIZED TO RETRAIN EXISTING PIPES AND FITTINGS.
7. ALL POTABLE WATER MAINS SHALL BE COLOR BLUE. ALL RECLAIMED WATER MAINS SHALL BE COLOR PURPLE.
8. ALL FLUSHING REQUIREMENTS PER AWWA STANDARDS (3 fps MINIMUM., 2 X PIPE VOLUME MINIMUM.)
9. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED PER AWWA STANDARD C600 (LATEST EDITION) AT 150 PSIG (MINIMUM) FOR TWO HOURS.
10. ALL WATER MAINS REQUIRE DISINFECTION PER AWWA STANDARD C651.
11. DUCTILE IRON PIPE AND FITTINGS FOR POTABLE WATER AND REUSE MAINS SHALL BE CEMENT LINED IN ACCORDANCE WITH ANSI/AWWA C104/A21-4.

REV	DATE	BY	REVISIONS
3	14 MAR 17	SEP	REVISED NOTES
2	03 JUN 11	REF	REV. SHT. NO. TO ADD DIR. BORE DETAIL
1	20 JAN 11	REF/JMS	ADDED NOTE 10



TECHNICAL
STANDARDS
MANUAL

POTABLE AND REUSE
WATER MAINS NOTES
TECHNICAL STANDARDS MANUAL
CITY OF LYNN HAVEN FLORIDA

CAD FILE:	WATER
DWN BY:	REF
DATE:	30 APR 07
SHEET NO:	27 OF 27
DETAIL	
W-27	