

## FORCE MAIN

- 1.) PVC PIPE 4" TO 12" DIAMETER C900 SHALL BE ASTM DD2241, SDR-25.
- 2.) PVC PIPE GREATER THAN 12" SHALL BE AWWA C905 (DR25).
- 3.) FITTINGS AND VALVES 4" AND GREATER SHALL BE MECHANICAL JOINT DUCTILE IRON (250 PSI MIN.) WITH CEMENT LINING.
- 4.) ONE BOLT OR MEGALUG RESTRAINTS SHALL BE UTILIZED.  
(FOR INFORMATION ON ONE BOLT CALL 1(205)739-0010 OR OR GO TO [www.onebolt.com](http://www.onebolt.com))
- 5.) ALL FORCE MAINS SHALL BE COLOR GREEN OR BROWN.
- 6.) ALL SANITARY FORCE MAINS SHALL BE HYDROSTATICALLY TESTED PER AWWA STANDARD C600 (LATEST EDITION) AT 100 PSIG (MINIMUM) FOR TWO HOURS.
- 7.) ALL FLUSHING REQUIREMENTS PER AWWA STANDARDS (3 fps MINIMUM., 2 X PIPE VOLUME MINIMUM.)
- 8.) FOR 2" FM AND BELOW SERVING PRIVATE LIFTSTATIONS USE HDPE SDR-11 TUBING FORCE MAIN AND APOLLO BRONZE 400 PSI THREADED BALL-CONE INLINE CHECK VALVE MODEL CVB WITH APOLLO BRONZE BALL VALVE 70-100-BC SERIES (OR APPROVED EQUAL). THIS ASSEMBLY SHOULD BE INSTALLED IN A STANDARD METER BOX AT PROPERTY LINE.
- 9.) DUCTILE IRON GRAVITY PIPE, DUCTILE IRON FORCEMAIN PIPE AND FITTINGS TO BE LINED WITH PROTECTO 401 CERAMIC EPOXY IN ACCORDANCE WITH ASTM A716/A746.

REV	DATE	BY	REVISIONS
3	29 MAY 12	REFJMS	REVISED PER ENGINEER
2	20 JAN 11	REFJHS	REV. SHT. NO. TO ADD DIR. BORE DETAIL
2		REFJMS	REVISED NOTES
1	21 DEC 10	REFJHS	ADDED LINING NOTE TO No. 3



**TECHNICAL  
STANDARDS  
MANUAL**

**FORCE MAIN  
NOTES  
TECHNICAL STANDARDS MANUAL  
CITY OF LYNN HAVEN FLORIDA**

CAD FILE:	SEWER
DWN BY:	REF
DATE:	30 APR 07
SHEET NO:	20 OF 20
	DETAIL
	S-20