

**GENERAL NOTES (Cont.):**

38. MINIMUM COVER TO FINISHED GRADE OVER WATER MAINS SHALL BE 30 INCHES UP TO 8" DIAMETER; 10" OR LARGER SHALL HAVE 36" COVER OR GREATER TO PROVIDE A MINIMUM 18" COVER OVER OPERATING NUT OF GATE VALVES.

39. ALL MAINS SHALL BE TESTED FOR LEAKAGE. WATER SHALL BE SUPPLIED TO THE MAIN AND PUMPED TO THE REQUIRED 150 PSI PRESSURE. NEWLY INSTALLED WATER LINES SHALL FIRST BE CLEANED USING EITHER A PIG OR FULLBORE FLUSH AND DURING THE CLEANING PROCEDURE THE NEWLY INSTALLED LINE MUST REMAIN OPEN TO ATMOSPHERE TO PREVENT A PRESSURE BUILD UP IN THE NEWLY INSTALLED LINE. FOLLOWING COMPLETION OF THE CLEANING PROCEDURE, THE NEWLY INSTALLED LINE WILL BE CHLORINATED DURING WHICH TIME THE NEWLY INSTALLED LINE MUST REMAIN AT ATMOSPHERIC PRESSURE TO PREVENT BUILDUP OF PRESSURE IN THE NEWLY INSTALLED LINE. FOLLOWING CHLORINATING, THE NEWLY INSTALLED LINE WILL BE FLUSHED OF HIGH CHLORINE SOLUTION. FOLLOWING FLUSHING THE NEWLY INSTALLED LINE WILL BE BACTERIOLOGICALLY TESTED AND DURING THIS TESTING THE NEWLY INSTALLED LINE MUST REMAIN OPEN TO ATMOSPHERE TO PREVENT BUILDUP OF PRESSURE IN THE NEWLY INSTALLED LINE. FOLLOWING SUCCESSFUL COMPLETION OF BACTERIOLOGICAL TESTING, THE NEWLY INSTALLED LINE WILL BE CLOSED AND ALLOW TO REACH SYSTEM PRESSURE.

40. NEWLY CONSTRUCTED FIRE HYDRANTS THROUGHOUT THE PROJECT SHALL HAVE A RED "OUT OF SERVICE" DISK (JOSEPH G. POLLARD CO. OR EQUAL) ATTACHED TO 4" PUMPER NOZZLE CAP. DISK TO BE REMOVED AFTER WATER SYSTEM HAS BEEN APPROVED FOR SERVICE BY SMRU.

SMRU SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY TESTING PROCEDURES. AFTER FLUSHING AND DISINFECTION IS COMPLETED, LINE PRESSURE SHALL BE APPLIED TO THE WATER SYSTEM TO DETERMINE IF ANY MAJOR DEFECTS ARE PRESENT. THE COMPLETE WATER SYSTEM SHALL THEN BE TESTED AT A PRESSURE OF 150 PSI FOR A PERIOD OF NOT LESS THAN TWO HOURS. SMRU MAY, AT ITS DISCRETION, INCREASE THE PERIOD TO FOUR HOURS. MAXIMUM LENGTH OF LINE TO BE TESTED AT ONE TIME SHALL NOT EXCEED 1500 LINEAR FEET. AN OIL FILLED PRESSURE GAUGE UP TO 200 PSI AT 2 POUND INCREMENTS SHALL BE USED FOR ALL PRESSURE TESTS. NO VISIBLE MOVEMENT OF THE SYSTEM SHALL OCCUR AND LEAKAGE SHALL NOT EXCEED:

$$L = \frac{ND\sqrt{P}}{7400}$$

WHERE: L= LEAKAGE IN GALLONS  
 N= NUMBER OF JOINTS IN TEST SECTION  
 P= TEST PRESSURE IN PSI.  
 D= DIAMETER OF PIPE IN INCHES

NOTE: SOUTH MARTIN REGIONAL UTILITY'S MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION) OCTOBER 2005, ARE TO BE ADHERED TO AND WILL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

48 HOURS BEFORE DIGGING  
 CALL TOLL-FREE  
**1-800-432-4770**  
 SUNSHINE STATE ONE CALL  
 OF FLORIDA, INC  
 UNDERGROUND UTILITIES NOTIFICATION CENTER

GENERAL NOTES, SPECIFICATIONS

DSGN.  DRW. MES  CK. ML	 <p>SOUTH MARTIN REGIONAL UTILITY (SMRU)</p> <p><b>CONSTRUCTION STANDARDS AND DETAILS</b></p>	DATE APPROVED <b>AUGUST 2016</b>  DRAWING NUMBER <b>G 07</b>
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