

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

RECLAIMED WATER SYSTEM CONSTRUCTION GENERAL NOTES

1. THE CITY'S PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED PRIOR TO BEGINNING ANY RECLAIMED WATER SYSTEM CONSTRUCTION.
2. DE-WATERING SHALL BE PROVIDED TO KEEP GROUND WATER ELEVATION A MINIMUM OF 6 INCHES BELOW RECLAIMED WATER MAIN BEING LAID.
3. ALL RECLAIMED WATER MAINS SHALL BE LAID ON A FIRM FOUNDATION WITH ALL UNSUITABLE MATERIAL (MUCK, ROCK, COQUINA, ETC.) REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
4. TRENCHES SHALL BE BACK FILLED WITH MATERIAL ACCEPTED TO THE CITY, WITH A MINIMUM COMPACTION OF 98% (AASHTO T-180) IN PAVED AREAS AND 95% (AASHTO T-180) IN UNPAVED AREAS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT TRENCH COMPACTION TESTS BE PROVIDED AT POINTS 1 FOOT ABOVE THE PIPE AND AT 2 FEET VERTICAL INTERVALS TO FINISH GRADE, AT A MINIMUM SPACING OF EVERY 300 FEET.
6. PIPE WARNING TAPE SHALL BE LOCATED 18 INCHES BELOW FINISH GRADE FOR ALL PIPES. PIPE IDENTIFICATION TAPE SHALL BE PROVIDED ON ALL PIPES.
7. ALL SINGLE RESIDENTIAL WATER SERVICES SHALL BE MINIMUM 1" POLYETHYLENE TUBING. POLYBUTYLENE SHALL NOT BE ALLOWED. TUBING COLOR SHALL BE PURPLE.
8. ALL WATER SERVICE ENDINGS SHALL BE SECURED BY WIRE TO 2"x4" STAKES, APPROXIMATELY 2' ABOVE GRADE, WITH "Y" BRANCHES AT THE GROUND LEVEL, OR MAY BE PLACED IN RECLAIMED WATER METER BOXES AS SUPPLIED BY THE CITY AT THE TIME OF FINAL SUB-DIVISION INSPECTION.
9. RECLAIMED WATER VALVES SHALL BE PLACED AT ALL STREET INTERSECTIONS AND AT MAXIMUM SPACING OF 1,000 FEET.
10. AT ALL WATER MAIN TEES AND CROSSES, VALVES SHALL BE INSTALLED ON ALL LEGS, PROVIDED ADEQUATE DOWNSTREAM VALVING EXISTS.
11. APPROVED WATER VALVE TYPES ARE THE FOLLOWING:
 - A. BRASS BALL-TYPE VALVE FOR VALVES LESS THAN 2" DIAMETER.
 - B. STANDARD GATE VALVES 2" TO 12" DIAMETER, RESILIENT SEAT GATE VALVES (AWWA C-509)
 - C. BUTTERFLY VALVES GREATER THAN 12" DIAMETER (AWWA C-504)
 - D. TAPPING VALVES WITH MECHANICAL TAPPING SLEEVE FOR SIZE ON SIZE STAINLESS STEEL OR EPOXY COATED SLEEVE WITH STAINLESS STEEL BOLTS AND NUTS FOR OTHERS.



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ALTAMONTE SPRINGS, FLORIDA 32714

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