

1. MAINTAIN SEPARATION BETWEEN UTILITIES IN ACCORDANCE WITH RULE 62-555.314 FAC.
2. IF REPAIRS TO NEW RECLAIMED WATER LINES ARE REQUIRED IN ORDER TO PASS A SPECIFIED PRESSURE TEST, THE NUMBER OF ALLOWED JOINT REPAIRS SHALL NOT EXCEED 10% OF THE TOTAL NUMBER OF JOINT CONNECTIONS. NEW LINES THAT FAIL TO PASS THE PRESSURE TEST AFTER THE 10% JOINT REPAIRS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. ALL MAINS AND SERVICE PIPING SHALL BE HYDROSTATICALLY TESTED AT 150 PSI FOR A TWO HOUR PERIOD. NO INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THAT ALLOWED BY AWWA C605, OR BY AWWA C600, WHICHEVER IS APPLICABLE, OR IF THERE IS ANY VISIBLE LEAK REGARDLESS OF AMOUNT.
4. A FIRE HYDRANT METER IS REQUIRED FOR ANY WATER USAGE IN A PROJECT. THE CITY WILL PROVIDE THE HYDRANT METER FOR A NON REFUNDABLE CHARGE OF \$25.00 PLUS A \$1,000.00 REFUNDABLE SECURITY DEPOSIT. BILLING FOR WATER CONSUMPTION SHALL BE ON A MONTHLY BASIS.
5. ONLY CITY EMPLOYEES ARE PERMITTED TO OPEN OR CLOSE ANY VALVES OWNED BY OR CONNECTED TO THE CITY RECLAIMED WATER SYSTEM.
6. THRUST BLOCKS ARE NOT ALLOWED. CITY APPROVED RESTRAINING DEVICES SHALL BE USED FOR PIPE RESTRAINT.
7. VALVES SHALL BE SPACED NO MORE THAN 1,000' APART IN COMMERCIAL AND HIGH-DENSITY AREAS, AND 2,000' APART IN OTHER AREAS ON DISTRIBUTION SYSTEMS. FOR TRANSMISSION MAINS VALVES SHALL BE SPACED A MAXIMUM OF 3,000'.
8. PROVIDE GATE VALVES AT ALL TEES AND CROSSINGS. A VALVE SHALL BE PROVIDED ON EACH BRANCH OF A CROSS OR TEE.
9. RECLAIMED WATER MAIN DEPTH SHALL BE A MINIMUM OF 36" BELOW FINAL GRADE.
10. WARNING TAPE SIZE 2" LABELED "RECLAIMED WATER LINE BELOW", SHALL BE PLACED 18" ABOVE ALL WATER MAINS, LATERALS AND HEADER TEES. NUMBER 10 GAUGE INSULATED COPPER TRACER WIRE SHALL BE ATTACHED TO TOPS OF NON-METALLIC PIPE WITH DUCT TAPE, AT PIPE BELLS AND AT LEAST FOUR ADDITIONAL EQUALLY SPACED POINTS ON EACH PIPE LENGTH. THE TRACER WIRE SHALL BE ATTACHED TO ALL LATERALS AND EXTENDED TO THE TOP OF EACH VALVE BOX ON THE INSIDE SO THAT PIPE LOCATOR CAN BE ATTACHED.
11. ALL SERVICE LATERALS SHALL BE A UNIFORM DISTANCE BETWEEN CURB AND SIDEWALK, AND SHALL BE LOCATED ON PROPERTY LOT LINE.
12. NO SPLICES IN SERVICE PIPING WILL BE ALLOWED BETWEEN THE RECLAIMED WATER MAIN AND THE CURB STOP.
13. ALL RECLAIMED WATER MAINS UNDER PAVEMENT SHALL BE DUCTILE IRON, EXCEPT DIRECTIONAL BORES, WHICH MAY BE SDR-11 HDPE.
14. A CONTINUITY TEST SHALL BE SUCCESSFULLY COMPLETED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE OF NON-METALLIC PIPES BY THE CITY.
15. RECLAIMED WATER LINES 8" AND GREATER IN DIAMETER SHALL BE CLEANED BY "PIGGING".
16. ALL FIELD CHANGES TO THE APPROVED DRAWINGS SHALL BE RECORDED AND ADDED TO THE RECORD DRAWING ("AS-BUILT") PLANS. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL FURNISH RECORD DRAWINGS ON DISK USING AUTOCAD FILES AS WELL AS ON A SET OF REPRODUCIBLE DRAWINGS AND THREE BLUE-LINE COPIES.
17. RECORD DRAWINGS SHALL BE PREPARED BY A STATE OF FLORIDA LICENSED SURVEYOR AND THE BLUE LINE COPIES SHALL BE REVIEWED, SIGNED AND SEALED BY THE ENGINEER OF RECORD.
18. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE CITY WITH 48 HOURS NOTICE BEFORE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
19. THE CITY PUBLIC WORKS DIRECTOR MUST APPROVE ANY ITEM OR CHANGE NOT MENTIONED OR COVERED IN THE CITY STANDARD SPECIFICATIONS OR DETAILS.
20. ANY PROPOSED TAPS TO EXISTING CITY MAINS SHALL BE SCHEDULED AND COORDINATED WITH THE PUBLIC WORKS DIRECTOR. A MINIMUM 48 HOURS NOTICE MUST BE PROVIDED.
21. PVC PIPE FOR RECLAIMED WATER LINES SHALL BE PANTENE PURPLE. DIP SHALL HAVE PURPLE OR BE SPIRAL WRAPPED WITH PURPLE ADHESIVE TAPE. TUBING, METER BOXES AND VALVE BOX SHALL ALSO BE PURPLE.

**CITY OF GROVELAND STANDARD DETAILS: RECLAIMED WATER**



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**GENERAL NOTES**

DATE: JULY 7, 2008  
 SCALE: N.T.S.

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