

1. IN ADDITION TO THE REQUIREMENTS STATED HEREIN, THE RECLAIMED WATER MAINS IN THE VICINITY OF STORM OR SANITARY SEWERS, FORCE MAINS OR POTABLE WATER LINES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 62-555, F.A.C., CHAPTER 62-610, F.A.C., THE MDWASD DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS AND DETAILS.
2. THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND THE RECLAIMED WATER SYSTEM, OR ANY OTHER RECLAIMED WATER PIPE OR APPURTENANCE, WHICH WOULD PERMIT THE PASSAGE OF ANY RECLAIMED WATER, POLLUTED WATER, WASTEWATER OR ANY OTHER WATER INTO THE POTABLE WATER SUPPLY. NO RECLAIMED WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER OR STORM WATER MANHOLE.
3. CROSS CONNECTION CONTROL SHALL BE IN ACCORDANCE WITH RULES AND REQUIREMENTS OF THE DEPARTMENT OF HEALTH IN CHAPTER 62-555, F.A.C., "PERMITTING AND CONSTRUCTION OF PUBLIC WATER SYSTEMS".
4. THE RECLAIMED WATER MAIN SHALL BE ON THE OPPOSITE SIDE OF THE STREET OR AS FAR AWAY FROM THE POTABLE WATER MAIN AS PRACTICAL.
5. THERE SHALL BE MINIMUM HORIZONTAL AND VERTICAL CLEARANCES FROM OTHER W&S UTILITIES PER THE APPLICABLE PROVISIONS OF CHAPTER 62-555 F.A.C., SHOWN HEREIN AS SHEET GS 1.5 (SHEET 1 OF 1).
6. PIPES SHALL NOT CROSS ANY OTHER PIPES OR UTILITIES AT AN ANGLE LESS THAN 60 DEGREES; IN EXCEPTIONAL CASES THE PROVISIONS OF CHAPTER 62-555 F.A.C., SHALL GOVERN INSTALLATIONS WITH LESS THAN 60 DEGREES CROSSINGS.
7. ALL RECLAIMED WATER DISTRIBUTION SYSTEM PIPE SHALL HAVE A MINIMUM OF 4 FEET OF COVER, UNLESS OTHERWISE DIRECTED BY MDWASD.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL LOCATOR BALLS AT 50' INTERVALS ALONG STRAIGHT RECLAIMED WATER MAIN RUNS (EVERY 20' ON DEFLECTED RUNS), AND EVERY 5' ON BRANCH FITTINGS OR INTERSECTIONS. LOCATOR BALLS MUST ALSO BE PLACED AT EVERY BRANCH, TURN, VALVE, TAP, OUTLET, END, AND METER BOX IN THE SYSTEM. ASBUILT DRAWINGS SHALL REFLECT THE PRECISE LOCATIONS OF EACH OF THESE BALLS EXPRESSED IN X-Y COORDINATES PER FLORIDA 0901 EASTERN ZONE (1983 SURVEY FEET). LOCATOR BALLS SHALL BE PURPLE 3-M 1400 SERIES (ELECTRONIC MARKER SYSTEMS), 1428-XR/ID EXTENDED RANGE 5' DEPTH BALL MARKER FOR GENERAL PURPOSE/RECLAIMED WATER APPLICATION. SEE DRAWING SHEET R-5 FOR MORE DETAIL.
9. ALL CONSTRUCTION OF THE RECLAIMED WATER DISTRIBUTION SYSTEM SHALL MEET CURRENT REQUIREMENTS OF FDEP, AWWA, DERM AND MDWASD FOR MATERIALS OF CONSTRUCTION, DESIGN, AND INSTALLATION.
10. MATERIALS, DESIGN AND CONSTRUCTION METHODS FOR INSTALLATIONS ALONG THE PUBLIC RIGHT-OF-WAY SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MIAMI-DADE COUNTY, AASHTO, FDOT, AND ALL OTHER AGENCIES THAT MAY EXERT JURISDICTION.
11. BEFORE CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS, POSITIONS, ELEVATIONS AND DIMENSIONS BY UTILIZING EXPLORATORY (HAND) EXCAVATION WHICH SHALL BE MADE 48 HOURS OR 1,000 FEET IN ADVANCE OF THE WORK, WHICHEVER IS GREATER. IF THERE IS A POTENTIAL CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. ANY DAMAGE TO UTILITIES, STRUCTURES AND/OR SERVICES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN A MANNER APPROVED BY AND COORDINATED WITH THE UTILITY OWNER.
12. FOR CONNECTIONS TO AN EXISTING PIPE, THE CONTRACTOR SHALL EXCAVATE THE CONNECTION SITE TO VERIFY THE PIPE TYPE, SIZE AND CONDITION, AND CHECK FOR OBSTRUCTIONS AND JOINT LOCATIONS PRIOR TO ORDERING MATERIALS AND INSTALLATION OF THE NEW PIPELINE.
13. ALL HYDROSTATIC TESTING SHALL BE IN ACCORDANCE WITH ANSI/AWWA C600-93 SECTION 4 FOR D.I. PIPE AND ANSI/AWWA C605 SECTION 7 FOR PVC PIPE. TEST PRESSURE SHALL BE 100 PSI.

I T E M	CROSS REF.	SPEC. REF.



<u>ISSUE DATE</u>	<u>APPROVED BY</u>
06/01/2008	V.E.F.

S T A N D A R D D E T A I L

RECLAIMED WATER MAINS
GENERAL NOTES

RGN
1.0
SHEET 1 OF 2