Hillsborough County Florida

WATER RESOURCES
PO Box 1110, Tampa, FL 33601-1110
813-307-1000

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Public Utilities Technical Bulletin – 26-001

Revision to Water Resources Technical Specifications

Date: September 1, 2026

Subject: Revision of Hillsborough County Specifications 331001 & 331002; and Technical Manual Section 3.0

Summary: This revision clarifies the requirements for commercial potable water meter and backflow assemblies to comply with the Federal Safe Drinking Water Act, 42 U.S.C §300g-6.

Specifics: Add the attached revisions to specification 331001 & 331002; and Technical Manual Section 3.0 dated October 2025.

Please contact Kathryn L. McAuliffe at 813-612-7764 if you have any questions about this Technical Bulletin.

Kathryn L. McAuliffe, P.E.

Utility Design Section Manager

September 1, 2026

Effective Date

Part 1.1 Specification 331001 – Water Mains an Appurtenances

1.1.3 All pipeline and appurtenance material in contact with potable water shall be lead free and shall comply with NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372. Lead content shall not exceed 0.25% weighted average across wetted surfaces.

Part 2.6 Specification 331001 – Water Mains an Appurtenances

2.6.1 All meters, backflow assemblies, pipeline and appurtenance material in contact with potable water shall be lead free and shall comply with NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372. Lead content shall not exceed 0.25% weighted average across wetted surfaces. Meter assemblies proposed for reuse shall meet these requirements by completing the following procedures.

2.6.1.1 Any commercial meter and/or backflow assembly installed prior to January 1, 2014 shall require replacement and reconstruction to current federal, state, and Hillsborough County requirements.

2.6.1.2 Any commercial meter and/or backflow assembly installed between 2014 and approximately 2018 shall require a site visit and visual inspection by the WRD Inspection Team and/or the Backflow Cross-Connection Team to determine whether the assembly is viable for continued use.

2.6.1.3 The inspection shall verify overall condition, configuration, material compliance, flood elevation compliance, and whether the assembly meets current Hillsborough County Technical Specifications and applicable federal and state requirements.

2.6.1.4 If non-compliant materials are identified, or if the assembly does not maintain the required minimum 12-inch air-gap clearance above the current 100-year flood elevation, the assembly shall be replaced or reconstructed to current standards.

2.6.1.5 If material composition cannot be verified, or if compliance is uncertain, the assembly shall be replaced or reconstructed to meet current requirements.

Part 3.9 Specification 331001 – Water Mains an Appurtenances

3.9.1.2 All backflow preventers shall be lead free and shall comply with NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372. Lead content shall not exceed 0.25% weighted average across wetted surfaces.

Specification 331002 – Water Exhibits

Exhibit No. W-1G: Added new GENERAL NOTE two (2) and renumbered the remaining GENERAL NOTES.

TECHNICAL MANUAL SECTION 3.0 Drinking Water Distribution Systems Design ADDITIONS

3.1.4 All pipeline and appurtenance materials in contact with potable water shall be lead free and comply with NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372. Lead content shall not exceed 0.25% weighted average across wetted surfaces.

SPECIFICATION 331002

Exhibit No. W-1G

GENERAL NOTES:

1. A MASTER METER ASSEMBLY SHALL BE DIRECTLY ACCESSIBLE BY A MAINTENANCE VEHICLE OFF A COUNTY ROW, OR BY AN INTERIOR ROAD THAT IS NOT BLOCKED BY A WALL OR GATE. THE TRUCK ACCESS ROAD SHALL BE 12 FT WIDE (MIN.) AND PAVED (CONCRETE OR ASPHALT)
2. METER ASSEMBLIES, BACKFLOW PREVENTERS, VALVES, FITTINGS, AND APPURTENANCES SHALL BE LEAD-FREE. LEAD CONTENT SHALL NOT EXCEED 0.25% WEIGHTED AVERAGE ACROSS WETTED SURFACES. ALL POTABLE WATER COMPONENTS SHALL COMPLY WITH NSF/ANSI/CAN 61 AND NSF/ANSI/CAN 372.
3. ALL ABOVE GROUND PIPES AND FITTINGS SHALL BE CLASS 53 D.I.P. FOR 4 INCH AND LARGER PIPE.
4. CERTIFICATION OF PROPER OPERATION WILL BE REQUIRED FROM A CERTIFIED BACKFLOW TESTER PRIOR TO THE WATER MAIN ACCEPTANCE BY THE HILLSBOROUGH COUNTY PUBLIC UTILITIES DEPARTMENT.
5. ALL BACKFLOW ASSEMBLIES OR DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH AND SHALL MEET THE REQUIREMENTS FOUND IN CHAPTER 121 OF THE HILLSBOROUGH COUNTY CODE OF ORDINANCES, PART B, PUBLIC UTILITIES.
6. THE PROPER OPERATION, MAINTENANCE, AND TESTING OF THE BACKFLOW PREVENTION ASSEMBLY, SHALL BE IN ACCORDANCE WITH CHAPTER 121 OF THE HILLSBOROUGH COUNTY CODE OF ORDINANCES PART B, PUBLIC UTILITIES.
7. THE 6 INCH CONCRETE SLAB SHALL BE REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC AND SHALL BE TYPE I, PORTLAND CEMENT WITH A MINIMUM 28-DAY STRENGTH OF 3000psi.
8. SLAB WIDTH AND LENGTH SHALL VARY WITH ASSEMBLY. THE TOP OF SLAB SHALL BE 2 INCHES ABOVE FINISHED GRADE. IF THERE ARE TWO OR MORE ASSEMBLIES ON THE SLAB A MINIMUM OF 18" DISTANCE BETWEEN PIPE ASSEMBLIES IS REQUIRED.
9. THE METER ASSEMBLY & BOLLARDS SHALL BE PAINTED IN ACCORDANCE WITH SPECIFICATION 331001, PART 2.6.
10. IF THE METER ASSEMBLY IS LOCATED WITHIN OR ADJACENT TO A TRAFFIC/VEHICLE AREA (PARKING LOT, DRIVEWAY, OR WITHIN 15 FT OF EDGE OF PAVEMENT/BACK OF CURB), METERS UP TO 2 INCHES SHALL HAVE A MINIMUM OF 4 TRAFFIC BOLLARD PROTECTION POSTS, AND FOR METERS 3 INCHES & LARGER A MINIMUM OF 6 TRAFFIC BOLLARDS ARE REQUIRED.

TEMPORARY CONSTRUCTION BACKFLOW ASSEMBLY (TCA) NOTES:

1. THE IN-LINE VALVE IS TO REMAIN OPEN UNTIL AFTER THE CONSTRUCTION AND FINAL ACCEPTANCE OF THE DEVELOPMENT WATER DISTRIBUTION SYSTEM. NO DOWNSTREAM TIE-INS TO THE WRD WATER DISTRIBUTION SYSTEM ARE ALLOWED UNTIL AFTER A PASSING PRESSURE TEST AND 2 BAC-T TESTS ARE CERTIFIED BY THE EOR AND SUBMITTED TO PUD INSPECTION. ONCE FINAL TIE-INS ARE MADE 2 ADDITIONAL BAC-T TESTS ARE REQUIRED FOR EACH TIE-IN BEFORE SUBMITTING TO THE DOH FOR FINAL CLEARANCE.
2. THE BACKFLOW ASSEMBLY IS TO BE REMOVED BY THE CONTRACTOR AFTER FINAL ACCEPTANCE OF THE WATER DISTRIBUTION SYSTEM BY BOTH THE HILLSBOROUGH COUNTY DOH AND HILLSBOROUGH COUNTY DSD.
3. ALL CONSTRUCTION MUST MEET APPLICABLE STATE AND/OR LOCAL ROADWAY/ROADSIDE DESIGN STANDARDS INCLUDING, BUT NOT LIMITED TO, CLEAR ZONE REQUIREMENTS.

NOTES WATER METER ASSEMBLIES

10/2025

HILLSBOROUGH COUNTY, FLORIDA

SCALE: N.T.S.