

METROPOLITAN UTILITIES DISTRICT

Inter-Department Communication

April 7, 2023

Subject: REVISIONS TO THE STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION

To: District Holders

From: Jared Tomes, Engineer

The "Metropolitan Utilities District Standard Specifications for Water Main Construction" has been revised and will take effect April 7th, 2023; the changes are summarized below:

INDEX

The Index Page has been updated.

SPECIFICATIONS

- 110 DUCTILE IRON PIPE FOR WATER DISTRIBUTION SERVICE
Updated acceptable Push-Joint and Restrained-Joint manufacturers.
- 119 SPECIFICATIONS FOR MATERIALS
Added section for Check Valves (6", 8" and 12") and added "Not in Service" Tags.
- 120 SPECIFICATIONS FOR CONSTRUCTION
Added Section for Pipe Bursting (120.5). Added section for Temporary Bypass Piping (120.19). Added Pipe Bursting installation procedure for PVC water mains (120.8.6). Deleted Section 120.8.2 due to redundant verbiage regarding HDPE installation methods. Updated Section 120.15.2.4 verbiage regarding retesting to match language in Section 120.15.3.4. Added Section 120.9.9 for Pre-Chlorination. Updated Section 120.9 to include Steel Stiffeners. Updated all numbered sections after addition of Section 120.5.
- 123 HIGH DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGS FOR WATER DISTRIBUTION SERVICE
Changed pipe and fittings manufactured limit from one year to three years from date of manufactured to the time of use.

CONSTRUCTION STANDARDS

- 0.3.0 SHORING INSTALLATION REQUIREMENTS
Added language to clarify sheeting must be used with hydraulic vertical shoring.
- 1.3.0 BYPASS PIPING
Standard Added to "Metropolitan Utilities District Standard Specifications for Water Main Construction."
- 1.4.0 PRESSURE TESTING WATER MAINS
Updated entire standard to match current regulation and practices.
- 1.4.3 DISINFECTING AND FLUSHING NEW WATER MAINS
Added verbiage concerning pre-chlorinating HDPE water mains.
- 1.6.2 SAMPLE TAPS ON DUCTILE IRON, CAST IRON, AND PVC WATER MAINS 16" AND SMALLER
Added HDPE section and options for tapping.

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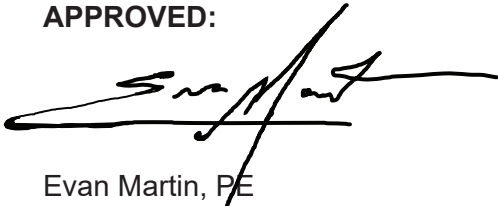
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- 6.0.5 3/4", 1", 1-1/2", OR 2" SERVICE TAPS ON C900 PVC WATER MAINS
Standard Added to "Metropolitan Utilities District Standard Specifications for Water Main Construction."
- 6.0.6 1", 1-1/2", OR 2" SERVICE TAPS ON 6", 8", AND 12" HDPE PE 3408 WATER MAINS
Standard Added to "Metropolitan Utilities District Standard Specifications for Water Main Construction."

Please review each specification and standard and update your specification book with the attached copies.

APPROVED:

A handwritten signature in black ink, appearing to read "Evan Martin", written over a horizontal line.

Evan Martin, PE
Senior Infrastructure Engineer, Infrastructure Integrity