

METROPOLITAN UTILITIES DISTRICT

Inter-Department Communication

December 24, 2018

Subject: REVISIONS TO THE STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION

To: District Holders

From: Robert Taylor, Engineer

The "Metropolitan Utilities District Standard Specifications for Water Main Construction" has been revised and will take effect January 1, 2019; the changes are summarized below:

INDEX

The Index Page has been updated.

General Conditions

The warranty period in Section C of the Standard Construction Contract has been changed to two years.

SPECIFICATIONS

MUD111 Ductile Iron Fittings

Section 5 North American Cast Iron Products, Inc. was added as an approved manufacturer.

MUD119 Specification for Materials

- 1.A Revised the materials to be furnished by the District - MUD will no longer furnish fire hydrants and valves 12" and smaller.
- 2.D New section added describing submittal requirements.
- 6.CC Added Sigma VB630CC as an approved product.
- 6.GG Updated web address.
- 6.LL New section added for Gate Valves 4" through 12".
- 6.MM New section added for Dry-Barrel Fire Hydrants.

MUD120 Specifications Construction

- 120.4.2 Borehole - The allowed reamed borehole diameter has been revised.
- 120.8.1 Butt Fused Joints Less than 12" Diameter HDPE - Removed requirement that individuals fusing pipe be certified by *HDPE pipe Manufactures*. Operator training and certification from the fusion equipment manufacturer continues to be required.

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- 120.13.4 Reconnecting Water Services - revised section Title to "Reconnecting and Replacing Water Services"
- 120.13.4.1 Revised to clarify that this section also covers replacement of water services.
- 120.13.4.2 Revised section title and made minor changes to the description.
 - Part 4 - revised so the section does not apply to lead services.
 - Part 5 - revised so the section does not apply to lead services.
 - Part 8 - new section added.
 - Part 9 - new section added.
 - Part 10 - new section added.
- 120.13.4.4 Revised Section Title and replaced the description in Part 2 with references to Service Drawings No. 1 and No. 2.
- 120.13.4.4.1 Revised Section (3) for clarity.
- 120.13.4.5 Removed the written description and replaced it with references to the service drawings.
- 120.13.4.8 Lead Services - Guidance for cutting lead services has been deleted and language added directing that lead services be completely replaced.

Service Drawing No. 1 & Service Drawing No. 2 have been revised to include a note that lead services are to be replaced completely, also revised to show stop box replacement in most cases.

MUD122 Specification for Resilient Seated Gate Valves – This internal MUD Specification is now included in the Standard Specification for Water Main Construction.

CONSTRUCTION STANDARDS

- 1.1.6 Abandonment of Vaults and Valve Boxes
 - This internal MUD Construction Standard is now included in the Standard Specification for Water Main Construction.
- 1.4.4 Disinfecting and Flushing Main Repairs and Connections
 - Updated flow requirements for flushing and water sample drop-off location.
- 1.6.2 Sample Taps On Ductile Iron, Cast Iron and PVC Water Mains 16" Or Smaller
 - Removed Excavation Section.

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2.0.1 Valve Direction Map

This internal MUD Construction Standard is now included in the Standard Specification for Water Main Construction.

3.0.1 Hydrant Installation on 6", 8", 12", & 16" Water Mains

Revised text concerning Not-In-Service Bags, page 1, part C.

8.2.1 Installation of a Single Insulating Washer Flange Insulating Set

Added section for installing trace wire.

8.2.2 Installation of a Double Insulating Washer Flange Insulating Set

Added section for installing trace wire.

11.2.3 Butt-Fusion

Added text about irregularities when fusing molded fittings and added text about butt fusion on pipe that has had gas in it.

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

APPROVED:



Stephanie Henn, PE
Director, Plant Engineering