

15002 Construction Materials – Water Service Connections**Index**

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15002-1 Water Service Connection Pipe**1.1 Polyethylene Pipe (25-50mm)****Product Description:**

- High Density Polyethylene Pipe (HDPE), SDR9, Series 200 (25-50mm)
- Designed for a working Pressure of 1035kPa

Conforming to:

- AWWA C901, ASTM D2737

Product Use:

- Water service connections to water mains

Standard Construction Specification Reference:

- 08003-1.1.2, 08025-9.2, Drawing 102-0013-001

Approved products: Manufacturer – Model

- Polytubes – Municipal Series 200, SDR 9
- Ipex Inc. – Municipal Series 200 SDR 9
- KWH Pipe - Sclairpipe

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

1.2 Copper Pipe**Product Description:**

- Soft copper tubing type K

Conforming to:

- ASTM B88 for Type K

Product Use:

- Water service connections to city water mains

Standard Construction Specification Reference:

- 08003-1.1, 08025-9.2, Drawing 102-0013-002

Approved products: Manufacturer – Model

- Wolverine Tube Inc.
- Cerro Flow Products

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

15002-2 Water Service Connections Saddles and Clamps**2.1 Service Saddles (25-50mm)**Product Description:

Service Saddles for PVC Pipe, shall be made of type 304 stainless steel, with SBR (Buna S) rubber gasket

Service Saddles for iron and steel pipe, Saddle shall be made of Bronze with full wrap around SBR (Buna S) rubber gasket. Type 304 stainless steel straps, washers and nuts.

Designed for a working Pressure of 1035kPa

Conforming to:

- AWWA C800, NSF 61

Product Use:

- To take service outlets off of Water mains

Standard Construction Specification Reference:

- 08003-1.2.5, 08025-8

Approved products: Manufacturer – Model

- Robar Industries Ltd. - Series 2606 for PVC pipe
- Robar Industries Ltd – Series 2786 for Iron and Steel Pipe

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2.2 Service Clamps

Product Description:

- Service Clamps (Saddles) shall be made of solid bronze with Type 304 stainless steel double straps, washers and nuts.
- Designed for a working Pressure of 1035kPa

Conforming to:

- AWWA C800, NSF 61

Product Use:

- To take service outlets off of Water mains

Standard Construction Specification Reference:

- See section 08025-3.8, 08025-8

Approved products: Manufacturer – Model

- Robar Industries Ltd. – Series 2706

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

15002-3 Water Service Connection Valves and Fittings

3.1 Main Stops

Product Description:

- Main Stop, corporation Valves shall be made of brass
- Inlet tapered with standard AWWA/CC or AWWA(for cast iron) thread
- Outlet Compression coupling shall be Mueller 110, Emco-Successor or Ford-Pack Joint
- Designed for a working Pressure of 1035kPa

Conforming to:

- AWWA C800

Product Use:

- Water service connections off of water mains

Standard Construction Specification Reference:

- 08003-1.2 and 08003-1.2.1

Approved products: Manufacturer – Model

- Mueller Canada
 - 300™ Ball Type Corporation Valves
 - ORI-CORP Corporation Valve
 - Ground Key Design Corporation Valves
- Ford Meter Box Corp
 - Ford Ballcorp Corporation Valve FB series
 - Plug-type Corporation Valve F series - max working pressure of 100psi only available in 1 inch
- A.Y.McDonald Mfg. Co. - Brass main stops
- Cambridge Brass – Brass main stops

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

***Bold text denotes a change in this version (February 2021)**

3.2 Curb Stops**Product Description:**

- Curb stop corporation valves shall be made of brass
- Curb stop corporation valve shall be either ball valve type or Plug type with O-ring seal, non draining
- Designed for a working Pressure of 1035kPa
- Inlet and outlet Compression couplings shall be Mueller 110, Ford-Pack Joint

Conforming to:

- AWWA C800

Product Use:

- Water service connections to city water mains

Standard Construction Specification Reference:

- 08003-1.2 and 08003-1.2.2

Approved products: Manufacturer – Model

- Ford Meter Box Company - Type B44
- Mueller Canada - Oriseal Curb Valve
- Mueller Canada - Oriseal III Curb Valve
- A.Y.McDonald Mfg. Co. - Brass Curb Stops
- Cambridge Brass – Brass Curb Stops

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

3.3 Curb Boxes

Product Description:

- Curb boxes, sliding type extending from 2.46 to 2.9m
- Stainless Steel pipe and spindle
- Cast iron cap
- Bottom section cast iron or approved plastic

Conforming to:

- ASTM 304

Product Use:

- Water service connections to city water mains

Standard Construction Specification Reference:

- 08001-1.2.3, Drawing 102-0013-011 and 102-0013-012

Approved products: Manufacturer – Model

- Titan Foundry Ltd. – Curb Box, Box Top, Cap, Bottom Section
- WD Industrial Group – **SB 10 SS SK service box, SB 20 SS SK service box**

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

3.4 Fittings**Product Description:**

- Water service unions shall be made of brass
- Designed for a working Pressure of 1035kPa
- Inlet and outlet Compression couplings shall be (Mueller 110, Emco-Successor or Ford-Pack Joint)

Conforming to:

- AWWA C800

Product Use:

- Water service connections to city water mains
- Use of unions shall not be used between the main stop and curb stop

Standard Construction Specification Reference:

- 08003-1.2

Approved products: Manufacturer – Model

- Ford Meter Box Company - Pack Joint fittings, type C44
- Mueller Canada - 110 Compression connections - H series
- Tees H-12941
- Elbows H-12944
- Wyes H-15343

All products must meet specification. This section is intended as a guide to products that comply. The Specifications take precedence over this section. Products included in this section must still be proven to comply by the supplier. To have a product added or approved, see Sections 08000, 08001, 08002.

End of Specification 15002