

SECTION 02660 - WATER DISTRIBUTION

PART 1 - GENERAL

SUMMARY

Section Includes. The principal buried pipelines and their locations to be included under this heading, together with the pipe material required in each case, are shown on the Drawings.

Plugs in open ends of pipe, temporary bulkheads, protection of surface and subsurface improvements, cleaning, pointing, testing and disinfection, as required, shall be included in the unit prices for each type, size and class of water main used, and as part of this Work.

Work shall include the dismantling of existing piping and supports, where required and/or shown or noted on the Drawings. Piping connections shall be made to existing piping, valves, gates, measuring devices, pumps and other equipment, including equipment erected under other Divisions of the work.

Products Installed But Not Supplied Under This Section. Unless otherwise noted on the Drawings, or stated in this Section, all piping shall be furnished under Section 15070, Pressure Process Piping, and installed under this Section of the Work.

Unless otherwise noted on the Drawings, or stated in this Section, all valves shall be furnished under Section 15110, Process Valves, and installed under this Section of the Work.

All necessary joint and coupling materials, including bolts, nuts and gaskets, wall castings or sleeves, supports, anchors, blocking, harnesses and other necessary closure pipe sections and standard or special fittings shall be furnished under Section 15070, Pressure Process Piping, or Section 15110, Process Valves and installed under this Section of the Work.

Related Work Specified Elsewhere.

Section 02210	Excavation and Backfill (Sewers and Water Main)
Section 02345	Casing Pipe

REFERENCES

Reference Standards. Reference standards are under the individual items of Work.

SUBMITTALS

Shop Drawings. Furnish shop drawings covering the items included under this Section of the Contract.

Warranty. Furnish warranties covering the items included under this Section of the Work.

QUALITY ASSURANCE

All Work under this Section shall be done in accordance with standard practices as recommended by the manufacturer and AWWA.

PART 2 - PRODUCTS

MANUFACTURERS

Corporation Stops shall be the product of one of the following manufacturers, or equal:

Mueller Co.-Model # H-15008

The Ford Meter Box Co. -Model # F1000

Curb Stops shall be the product of the following manufacturers, or equal:

Mueller Co.-Model # B-25155

The Ford Meter Box Co. - Model # B44-444M (1"), B44-666M (1-1/2"), or B44-777M (2")

Catalog #	Valve Size	One End	Other End	Approx. Length	Approx. Wt. lbs.
B44-444M	1"	1"	1"	5-1/16"	4.7
B44-666M	1-1/2"	1-1/2"	1-1/2"	8-1/4"	10.9
B44-777M	2"	2"	2"	8-5/8"	18.2

Curb Boxes shall be the product of one of the following manufacturers, or equal:

Mueller Co. - Model # H-10300

The Ford Meter Box Co.-EM2 Series, stationary rod to be included. Lid must be type PS.

MATERIALS

Piping shall be as specified under Section 15070, Pressure Piping, and shall be of the types listed below or as shown on the Drawings:

Ductile Iron Pipe (DIP), Class 52 with P.E. Encasement

Ductile Iron Pipe (DIP), Pressure Class 350 with P.E. Encasement

High Density Polyethylene Pipe (HDPE), Dimension Ratio (DR) of 11 or less, with approval of Utility Director and/or Authority Engineer

Process Valves shall be as specified under Section 15110, Process Valves, and shall be of the types listed below or as shown on the Drawings:

Resilient Seated Gate Valves (RA)

Fire Hydrant Assemblies (FH)

Service Connection shall be Type K, soft temper copper, ASTM B88, water tube with compression couplings for underground service.

Corporation Stops shall conform to AWWA C-800 with copper American National Taper pipe threads conforming to ASA B2.1 1960 Inlet and outlet shall be of same size as service connection.

Curb Stops. Curb stops shall conform to AWWA C800, shall be drip tight, ball type with 300 psig working pressure rating and shall be of same size as service connection.

Curb Boxes. Curb boxes shall fit curb stop and be extension type of suitable length complete with lid and stationary rod.

Couplings. Couplings shall be compression pack joint couplings from the following manufacturers, or equal:

Mueller Company

The Ford Meter Box Company

PART 3 - EXECUTION

INSTALLATION

CONTRACTOR's attention is directed to Section 15070, Pressure Process Piping, and Section 15110, Process Valves, for installation, field quality control, field repair, disinfection, and field testing of items of Work to be installed under this Section of the Work.

Service Connections shall be as noted on the Drawings, but shall be no smaller than 1-inch in diameter. The underground service connection shall extend from the main to the street face of walk, or if no walk, to the property line or connect to an existing service, if present.

Corporation Stops shall be the same size as the service connection and shall be installed per AWWA standards.

END OF SECTION 02660