

SECTION 01400

WATER SERVICE CONNECTIONS

PART I - GENERAL

- 1.0 APPLICABLE STANDARDS:** Water services and plumbing shall conform to local plumbing code and the National Plumbing Code.

PART II - PRODUCTS

- 2.0 MATERIALS:** Shop drawings, catalog cuts and related data for service pipe and appurtenances shall be submitted to the Commission for approval.

2.1. Corporation Stops: shall be of brass, domestic manufacture and of the proper size for the service on which they are installed. Where dictated by the tapping angle, eighth or quarter bend couplings shall be provided. Suitable brass adapters for coupling to service pipe shall be provided.

2.2. Service Saddles: shall be of malleable galvanized iron with flat double strap. Straps shall be the wide flat type with bottom plate width not less than one-half the pipe diameter on which it is to be installed. Top plates shall have a thick boss to permit full thread length. The seal between the pipe and top plate shall be provided through a neoprene gasket, permanently cemented to the underside of the clamp body.

2.3. Curb Stops: shall be of brass, Mueller 300 Ball Meter Valve F.I.P. x F.I.P. (B20200) equivalent and of the proper size for the service on which they are installed with required locking wing.

2.4. Service Pipe and Fittings:

2.4.1. Polyethylene Tubing:

Tubing: AWWA C901, Polyethylene (PE), Pressure Pipe (Class 200), DR=7(3/4" IPS) or 3/4" EndoPure tubing (200 PSI – PE 3408).

Long Services shall have 1" diameter tubing.

2.5. Meter Boxes: shall be plastic, structural foam box with removable plastic lid containing a separate cast iron reading lid.

2.6. Utility Line Marking Wire: All services shall be provided with a #12 gauge tracer wire (see Section 01300-2.7.).

2.7. Backflow prevention devices: Refer to the "Lexington County Joint Municipal Water and Sewer Commission Backflow Prevention Manual" (latest edition).

PART III - EXECUTION

- 3.0 INSTALLATION:** All service connections shall be installed in accordance with general trade practices. All meter boxes shall be located at property line.

END OF SECTION