



Water Service Installation Specifications

1. All new water service connections shall be 1" diameter unless otherwise noted on the Drawings. Provide each water service connection with a corporation stop and curb stop as shown on Standard Detail W1 and specified in ***Section 02660***. The service connection beyond the curb stop shall be the responsibility of the consumer.
2. All existing water service connections requiring repair or replacement may be repaired or replaced using the existing service pipe provided that the use of the structure being served has not been changed. **The minimum diameter service line for existing residential use shall be 3/4"**.
3. The service line extension must be laid in a straight line at right angles to the street and at a depth necessary to secure proper alignment and avoid obstacles. Four feet of cover shall be maintained for the service piping. Service pipe located within a road right of way shall be bedded and backfilled in accordance with Section 02200 of these Specifications.
4. All service connection piping 100 feet in length or less shall be installed in continuous runs from the corporation stop to the curb stop and from the curb stop to the ball valve located inside the structure. Connections in service piping longer than 100 feet shall be made using an additional curb stop and box assembly. **Buried couplings shall be prohibited.**
5. Service connections at the main shall be made in accordance with the table and where service clamps are required they shall be Adams, Rockwell, or Mueller Service Clamps (double strap), or approved equal. Service clamps shall be bronze or galvanized malleable iron. Straps, nuts and washers for service clamps shall be Type 304 stainless steel. Service clamps shall be required for taps in Class 52 ductile iron pipe. An engagement of three full threads is required on connections where no service clamps are used.

Section 026600

2660.2.01 - CORPORATION STOPS

- A. Corporation stops shall be brass or red-brass alloy body in conformance with ASTM B62. Valve shall be plug or ball type with T-head operator. Inlet shall be AWWA C800 thread, and outlet shall be compression connection. Corporation stops shall be McDonald Model No. 4701T, or approved equal.
- B. Refer to Standard Detail W1 for typical water service connection

2660.2.02 - CURBSTOP AND CURB BOX

- A. Provide bronze body curb stop with solid bronze tee head, double Buna-N O-rings in stem, spherical ball or plug, and molded Buna-N rubber seals. Furnish with ends suitable for service piping. All curb stops shall be 1" unless otherwise noted on the Drawings. Curb stops shall be McDonald Model No. 6100T, or approved equal.
- B. Provide cast iron extension type curb box with arch pattern base, one-piece lid, foot piece and stationary rod. Furnish curb boxes with bituminous coating (2 coats). Curb boxes shall be Model H-10314 with 89982 lids in unpaved areas and Model H-10334 with 89376 lids in roadways and other paved areas as manufactured by Mueller Company, or approved equal.
- C. Refer to standard Detail W1 for typical water service connection.