

6/2022

W-03-9008



WATER T&D Construction Standard

PRESSURE TESTING PROCEDURE FOR NEW COPPER TUBE WATER SERVICE LINES

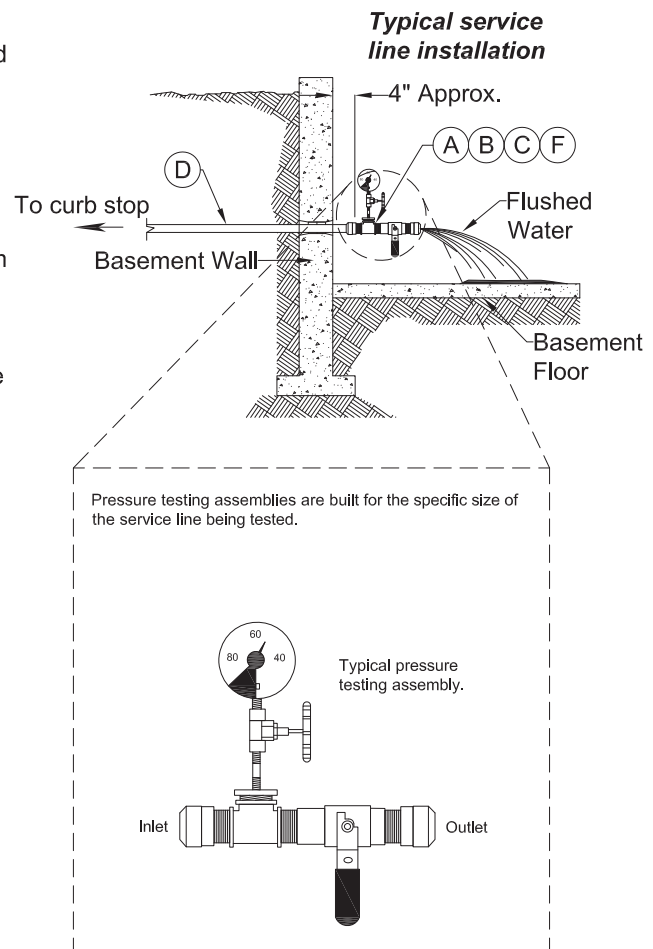
APPLICATION: Procedure for testing and acceptance of copper tube water service lines during initial installation.

Pressure testing shall be performed on all new service lines to check for leaks and to verify general service line integrity. Pressure testing shall only be performed on service lines that have been fully installed in its permanent location, with the exception of back-filling.

Water Service Line Pressure Test and Visual Inspection:

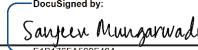
- Upon completion of the service line testing, acceptance and meter set installation, documentation of installed services shall be completed per Water T&D Construction Standard W-03-0005.
- Refer to W-04 series Water T&D Construction Standards for meter set installations.
- Any drop in pressure indicates a leak in the service line and results in a failed test. If a leak is observed or suspected then locate the leak and correct it or replace the service line.
- Pressure testing must be completed by a BWL representative.

- (A) Install pressure testing assembly on open end of the service line. Close valve to pressure gauge and open valve to the outlet hose. The hose is typically extended outside the basement.
- (B) Flush a minimum of 1 minute per every 50' of service (rounded up to the next minute) or until water runs clear, whichever is greater. All services regardless of length must be flushed for a minimum of 1 minute.
- (C) After flushing line, turn off valve to outlet hose and open valve to pressure gauge. Note initial pressure reading. Pressure reading should remain steady for the duration of the inspection.
- (D) With the curb stop "ON" and the outlet valve still closed (line is pressurized), walk the length of the service line to closely check for any leaks at any compression couplings, the curb stop and the corporation stop.
- (E) Close the curb stop and watch for any pressure drop on the test gauge.
- (F) If the water meter is not installed at the time of the service line pressure test and inspection, close/shut off the curb stop valve. Close meter set inlet valve and install a barrel lock.



Manager, Water & Steam Distribution 

8/18/2022
Date:

Director of Water Operations 

8/19/2022
Date: