

# Water T&D Construction Standard

## PRESSURE TESTING PROCEDURE FOR NEW COPPER TUBE WATER SERVICE LINES

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

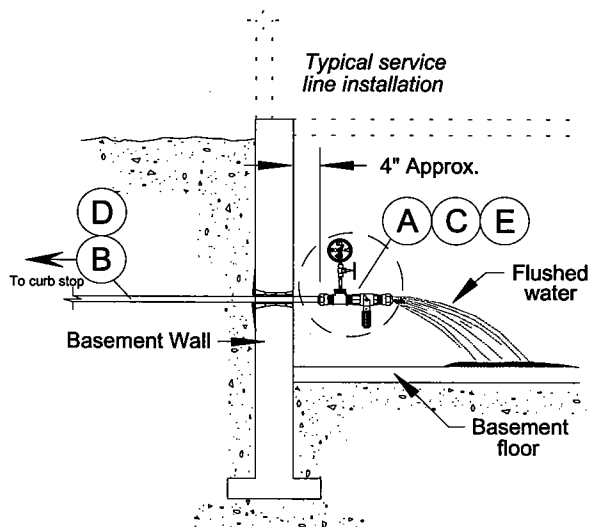
Pressure testing shall be performed on all new service lines to check for leaks and to verify general service line integrity. Pressure testing shall only be performed on service lines that have been fully installed with the exception of back-filling. Service lines shall not be pressure tested if they must be bent or moved prior to back-filling.

**“Customer Choice” Service Line Installations; The Customer/Contractor shall provide 48 hours advanced notice for scheduling of water service line inspection.**

### Water Service Line Pressure Test And Visual Inspection.

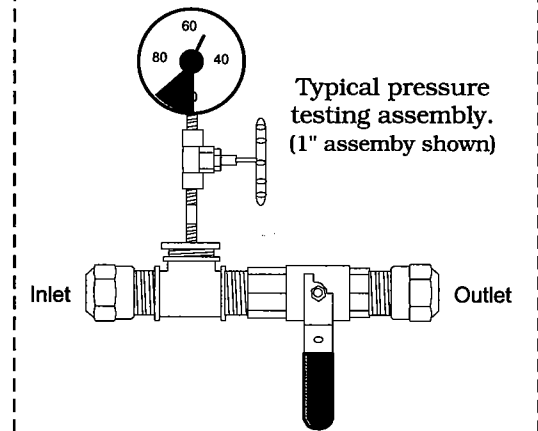
- Upon completion of the service line testing, acceptance and meter set installation; documentation of installed services shall be completed per LBWL Standard W-03-0005.
- Refer to W-04-Series Construction Standards for meter set installations.

- 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.
- Flush service line by opening curb stop. Flush 50' services for 1 to 2 minutes (min.) and 100' services for 2 to 3 minutes (min.). Longer flushing times may be required for severely fouled service lines. **It is extremely important that the service be flushed properly prior to turn-on. Debris inside the service line will clog the water meter.**
- 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. After visually inspecting the pressurized line for leaks as stated in balloon “D”, close the curb stop and watch for any pressure drop on the test set gage. Any drop in pressure indicates a leak in the service line.
- With the curb box “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 corp stop.
- If the water meter will not be installed at the time of the service line pressure test and inspection, Close/Shut-off LBWL water curb stop valve. Close meter set inlet valve and install a barrel lock.



Pressure testing assemblies are built for the specific size of the service line being tested.

Pressure testing assemblies are available at the Water T&D Resource Center.



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Date: 3/14/05

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Date: 3/15/05