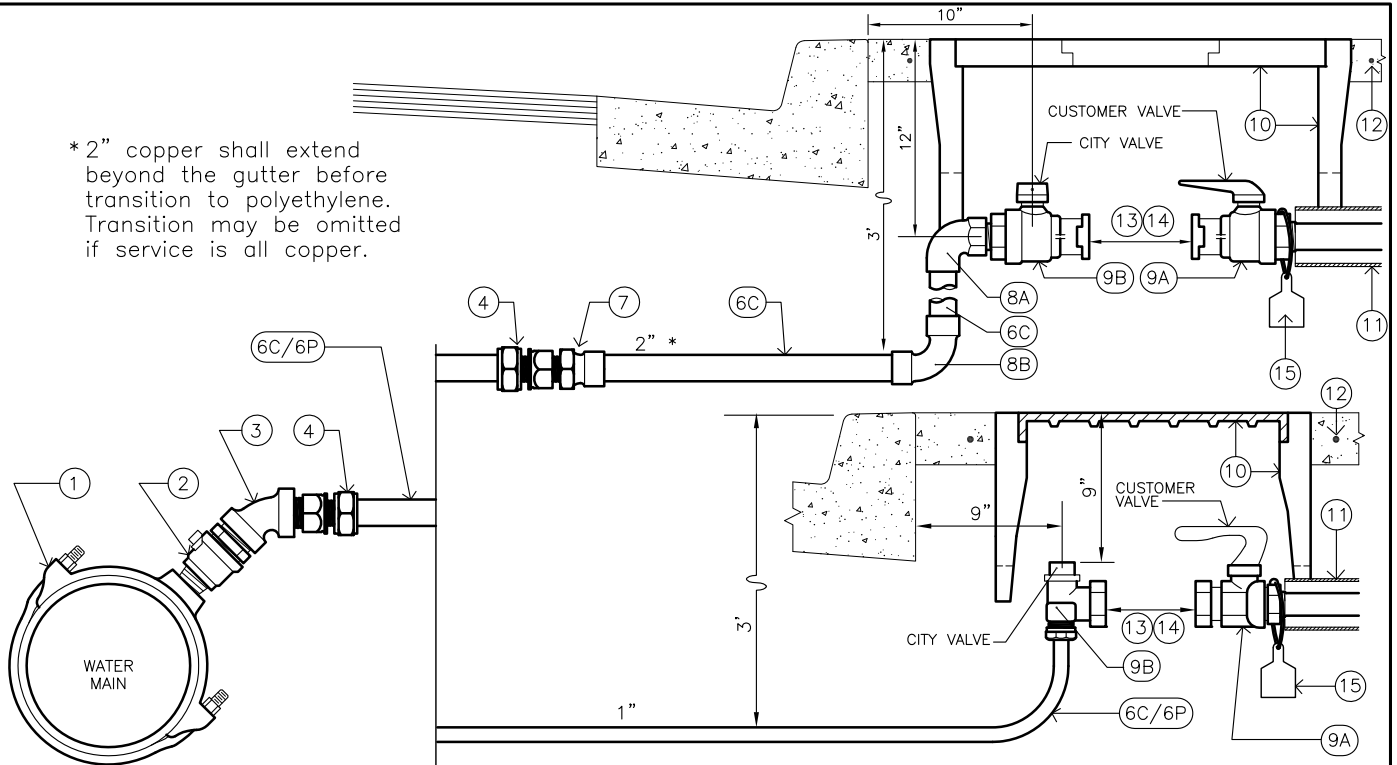


* 2" copper shall extend beyond the gutter before transition to polyethylene. Transition may be omitted if service is all copper.



GENERAL NOTES:

- A. If service line is lead, galvanized steel or polybutylene, the entire service shall be replaced from the main.
- B. Households shall be notified at least one hour prior to water shut off to make a connection.
- C. A 14 gauge (min.) insulated copper tracer wire shall be soldered and taped to locator wire on main line, looped around corp stop and run up to the meter box. The wire shall be taped to the service line at 7' intervals and 3' of wire shall be coiled in the meter box. Tracer wire color shall be light.
- D. All mains shall use a service saddle. CI and DI mains may be direct tap only with the written permission of the City Utilities Department.
- E. New/Replacement 1" water service shall be copper or iron pipe size (IPS). New/Replacement 2" water service shall be copper or copper tubing size (CTS) polyethylene.
- F. All new services or service replacements shall be 1" or 2". Any 3/4" or 1 1/2" services shall be upgraded to the next size (1" or 2") and an adapter installed at the meter.
- G. If service replacement includes the tap at the main, the new connection shall be made 12" from the old connection. The old corp stop shall be closed and a threaded brass plug or cap installed.
- H. Any boxes which do not meet the current standards listed below shall be upgraded to those standards.
- I. Contractor shall ensure tubing is "bottomed out" in all Super Grip (SG) fittings while tightening.
- J. When recycled water is used on any parcel, a backflow preventer shall be installed on the potable water service line.
- K. When replacing an existing service line, the customer valve is not required to be replaced.

NOTES:

- ① Service saddle, double strap, CC threads - installed per manufacturer's recommendations.
AC, CI and DIP main - Jones J-979 or Ford F202B Series
PVC main - Jones J-969 or Rockwell 393
- ② Corporation Stop, ball valve, CC x MIP: Jones J-1944 1" or 2".
- ③ 45° bend, brass, FIP x FIP
- ④ Coupling, MIP x Compression with sleeve
Jones J-2605SG or Mueller H-2542 with
Jones J-2805 or Mueller 506139 / 506141
- ⑥ Service tubing:
6C = Copper - type K, soft
6P = Polyethylene - 200 psi, AWWA C901: Wesflex Gold Label 3408, Driscopipe or approved equal. Service tubing for recycled water shall be purple or have a purple stripe wrapped in purple polyethylene sleeve conforming to AWWA A21.5 and shall be clearly labeled as non-potable.

- ⑦ Coupling, Jones J-2609 SG compression x compression, tube size.
- ⑧ 8A = 2" 90° bend brass FIP x FIP, and Jones J-2605 SG tube size compression x MIP; 8B = 90° bend Jones J-2611 SG compression x compression tube size.
- ⑨ Meter box valves:
9A = Customer side, City-furnished when setting the meter.
3/4", 1" service - Jones J-1908
1 1/2", 2" service - Jones J-1913
9B = City side
1" service - Compression meter stop: Jones J-4201SG
Mueller H-14273
2" service - 2" Curb stop, ball valve: Jones J-1915W, inlet MIP x outlet Meter Flange
- ⑩ Meter box and lid
5/8", 3/4", 1" water meter - Brooks 37 T Series for traffic areas. Armorcast #A6000484 for non-traffic areas, and Christy B12 for Mission Style areas.
1 1/2", 2" water meter - Brooks 65S Series - use Armorcast cover (A6001420TDEB) with drop-in read lid (A6000481T-EB), 20K traffic rating. Christy B36 for Mission Area

IN MISSION STYLE SIDEWALK AREA as defined by City Council Resolution 4183: Concrete boxes shall be per Eng Std 1010A.

WHEN USED FOR RECYCLED WATER, all lids shall be integrally cast with the words, "Recycled Water" or "Reclaimed Water".
- ⑪ Install PVC sleeve to 12" behind back of sidewalk:
5/8", 3/4" or 1" water meter - 2" sleeve
1 1/2" or 2" water meter - 3" sleeve
- ⑫ #4 rebar all around the meter box
- ⑬ Meter adaptor (as needed):
1" City valve to 3/4" Customer valve - Jones J-128H or Ford A24
2" City valve to 3/4" Customer valve - Ford A67
- ⑭ When meter box is to be installed in landscaped area, a 4"-thick concrete apron shall be placed for a min. of 12 inches around the box.
- ⑮ Install recycled water warning tags per Std. 8810 when used for recycled water.
- ⑯ Open trench water service replacements shall be installed perpendicular to the existing water main, when as measured along the main, the existing water service is offset 5' or more from perpendicular.

APPROVED EQUAL ACCEPTED FOR ALL FITTINGS

REVISIONS	BY	APP	DATE
Modify E, Add Note 16	DVB	BL	10-08
Revise Notes 7 - 13	DVB	BL	10-06
Add Notes J & K	DVB	BL	11-07
STANDARD CURRENT AS OF:		January 2010	



**WATER SERVICES
NEW & REPLACEMENTS**