

## **LOWER BARTLETT WATER PRECINCT SERVICE LINE SPECIFICATIONS**

**Before you proceed any further, you must:  
Call Dig Safe**

### **Sizes**

- Residential service lines are to be ¾" or 1" depending upon offset from the main line and main line pressure. Homes with multiple bathrooms or which are located more than 100 feet away from the curb valve should install 1" service lines.
- Commercial service lines will be sized according to the fixture unit demand.

### **Materials**

- Service lines are to be K copper or CTS polyethylene tubing 200# rating.
- Service lines 500 feet or less are to be continuous and not coupled.
- Copper tubing shall meet the requirements of Federal Specification WW-T 7996 and shall conform to ASTM specifications B-75, B-88 and B-68 as they apply to Type K Copper Tubing.
- Copper Tube Size (CTS) Polyethylene shall have a working pressure of 200 P.S.I. and shall conform to AWWA C-901, ASTM-D-1248 and ASTM-D-2737.
- Service Brass must conform to AWWA Standard C-800 (latest revision) and pack joint end connections shall consist of a Buna-N beveled gasket for watertight seal. An independent, split-clamp locking device or stainless steel beveled gripper shall be incorporated in the design for additional restraint.

### **Installation**

- Service lines should be buried a minimum of six feet deep and should be buried seven feet deep in areas that are going to be plowed. If the required depth cannot be achieved due to ledge, rigid Styrofoam should be installed over the service line. Two inches of Styrofoam is equivalent to one foot of dirt cover. In no case should service lines be buried less than four feet deep.
- Water service lines and power lines, telephone and cable lines shall be separated by five (5) feet both vertically and horizontally. The water line may be within five (5) feet horizontally when crossing under the power lines at a perpendicular angle.
- The installation of water service pipes shall be prohibited in soils and groundwater contaminated with solvents, fuels, organic compounds or other detrimental materials. Ref. International Plumbing Code 2000.
- Water service lines and building septic systems, holding tanks and related piping must be separated by a minimum of twenty (20) feet. The water service line may cross the waste line at a perpendicular angle provided that a five (5) foot separation of compacted or undisturbed earth is maintained and that the water line is sleeved twenty (20) feet each side of the waste line. No joints in the sleeve shall be within ten (10) feet of the waste line. Joint and terminus of the sleeve are to be sealed and made liquid tight.
- A one foot sand envelope shall be installed around the pipe.
- Water line marking tape (metallic) shall be installed over the water line in the top foot of backfill.
- Installation of the water line must be witnessed by and connection of service line to water main MUST be made by a representative of the Precinct. Homeowner or contractor shall provide 48 hours' notice to schedule a representative of the Precinct.