LINCOLN WATER COMMISSION

SERVICE PIPE MATERIALS

The length of the service line is defined as the distance from the owner's side of the curb stop to the inside wall of the building to be serviced. Services with more than one joint between the curb stop and the inside wall of the house require a meter pit (max of 95 feet for copper tubing). See Meter Pit Installation requirements for details.

Copper pipes are required for services up to 200 feet long where normal system pressure is greater than or equal to 60 psi. Copper pipe is available in 60 ft and 100 ft rolls.

- ¾ inch copper pipe, type K, is required for services up to 100 feet long. Although not recommended, it may be used up to 150 feet long.
- One inch copper pipe, type K, is required for services up to 200 feet long.

Plastic service lines are allowed under the following circumstances:

- When the service line is greater than 200 feet and friction loss must be minimized.
- Minimum size of 1-1/2 inches for service lines less than 300 feet, and 2 inches for lines longer than 300 feet, both available in 100, 200, 300, and 500 foot lengths.
- Where normal system pressure is less than 60 psi and length exceeds 150 feet.
- Where approved by the LWC on a case-by-case basis.
- Compression fittings with stainless steel inserts are to be used on all connections.
- A meter pit is required due to the number of fittings involved.
- Ultra High Density Polyethylene (PE) pipe rated at 160 psi for water service lines as manufactured by Yardley or approved equal, 1-1/2 or 2 inch diameter, copper tube size (CTS)

Sewer lines crossing water lines must be encased in concrete, made of ductile iron pipe, or sleeved in a ductile iron pipe with the joints at least five (5) feet away from the water line. Water lines are to be a minimum of 10 feet from sewer lines and 5 feet from other utilities.

All installations are to be approved and inspected by the LWC prior to backfilling. Materials are to be used to minimize the number of joints in the service line. Water pressure varies throughout the Lincoln water system and some materials may not be suitable for installation at all locations.

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