

Potable Water Service Line Specifications

For many years Murray City has required type k roll copper to be used from the connection on the water main all the way into the home or business. Murray City will continue to use copper from the water main to the meter and continue to recommend the use of copper as the material of choice between the City's water meter and the home or business. However, the City has updated its service line specifications to allow for the use of Poly Pipe. If Poly is to be used, the following information can help to clarify what type of poly and fittings are potable safe and approved.

Poly Water Pipe

Using PE 4710 CTS potable water tubing or an approved equivalent. Pipe should be blue in color or have approved markings to signify culinary water use and must have an SDR rating of 9 with a 200-psi rating or higher. Any other versions of PE 4710 must meet or exceed NSF/ANSI Standards 14 and 61 and meet AWWA C901-17 specifications.

Fittings to be used

Only brass Ford or Mueller CTS compression couplings will be allowed, stiffener inserts are required on every connection and must conform to the AWWA standard C901 for Polyethylene (PE) Pressure Pipe and Tubing. Inserts must be stainless steel and meet (ASTM 240-92B)

Installation Requirements

All residential service lines must be one continuous piece with no joints. Couplings must meet the C901 for Polyethylene (PE) Pressure Pipe and Tubing or equivalent as approved. Lengths exceeding 100' may use approved couplings. The line must be bedded with sand with at least 4" inches below and above the tubing or as approved. All work is required to be inspected by Murray City Water before being buried. Permits are required if digging within the City right of way which includes the park strip. These permits can be obtained thru the Murray City Engineering Department. There are no water pipe inspection fees.



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