



NATURAL GAS SERVICE LINE SPECS RESIDENTIAL SERVICE LINE

Customer service line installation – 1” CTS

MATERIAL SPECIFICATIONS

- Pipe:** 1” CTS ASTM 2513 PE 3408/4710 plastic high density polyethylene pipe (black) or PE 2406/2708 plastic medium density polyethylene pipe (yellow), .099 wall thickness. URE currently installs both types within its system. Your service representative will inform you which density is correct.
- Riser:** 1” CTS PE 3408/4710 high density plastic or PE 2406/2708 medium density plastic (.099 wall thickness) anodeless riser with approved connection. Riser must match service pipe.
- A wall mounting bracket designed to fasten to the riser and building wall (minimum 6” clearance) shall be installed to support the meter manifold.
- Tracer Wire:** #12 solid copper conductive wire with protective coating
- Meter and Pressure Regulating Manifold or Setting:** Designed for use with URE’s meters and supplied by customer. Regulators must be sized for the pressure and gas load requirements.

INSTALLATION REQUIREMENTS

- General:** The service line shall be installed in compliance with the minimum federal safety requirements established in 49 CFR Part 192 and any other local and company rules. A current copy of the installers Operator Qualification records must be supplied to URE. The company will perform the final connection to our gas main.
- Customer has the option of having the gas company install their portion of the service line at their expense.
- Depth:** The service line shall be installed with a minimum of 24 inches of cover, (preferably 32” to 36” deep).

- Clearance:** The company requires 3 feet of separation from underground structures running parallel with the service line and a minimum clearance of 12 inches from underground structures crossing perpendicular to the service line. If this clearance cannot be attained, the service line must be protected from damage from the other structure.
- Tracer Wire:** The tracer wire must be installed in close proximity of the service line and shall terminate above ground at the anodeless riser. The wire should not be taped to or spirally wound around the plastic pipe. Any underground connections in the tracer wire must be protected from corrosion.
- Riser:** The riser shall be installed with an approved wall bracket and shall be terminated above grade at the manufacturer's specifications.
- Special Conditions:** If the riser terminates above ground in an area with continuous paving to the building wall, an opening around the riser shall be created and backfilled with non-corrosive granular material to allow for venting. When conditions warrant it, protective steel bollards shall be installed around the meter manifold piping to protect it from damage by vehicular traffic.
- Connections:** Whenever possible, the service line shall be a continuous length of pipe with no connections. Connections can be made in the pipe using the heat fusion method by a qualified performer or by using a stab type connection (ex. Perfection perm-a-sert coupling). The company must be supplied with qualification documents of the performer.
Metallic compression type couplings are prohibited.
- Backfill:** Backfill used around the service line must be clean fill, free of gravel and other debris.
- Testing:** The installed service must be tested to a minimum pressure of 90 psig (medium density) or 150 psig (high density) and verified by company personnel.

Please contact URE at 937-642-1826 if you have any questions or require further information.