



## NATURAL GAS SERVICE LINE SPECS COMMERCIAL SERVICE LINE

Customer service line installation – 2” Commercial

### **MATERIAL SPECIFICATIONS**

Pipe: 2 “ ASTM 2513 PE 3408/4710 plastic high density polyethylene pipe (black) or PE 2406/2708 plastic medium density polyethylene pipe (yellow), SDR 11 wall thickness. CERC currently installs both types within its system. Your service representative will inform you which density is correct.

Riser: 2 “ PE 3408/4710 high density plastic or PE 2406/2708 medium density plastic ( SDR 11 wall thickness) anodeless riser with approved connection. The riser must be factory assembled. Riser type must match the 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 and supplied by company for member requirements. Member or Builder will be responsible for cost of the meter prefabricated unit. Installation is the responsibility of the member / builder and shall be properly installed in an accessible location. All gas meters must be installed level.

### **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. The installer must be Operator Qualified for service line installations, including heat fusion qualification if any will be performed on the service line. Documentation must be supplied to the company. URE will perform the final connection to main line.

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.
- Valves:** A tamper-resistant threaded lock-wing plug or ball valve will be installed on the riser. The valve must have a minimum rating of 100 psig. An approved gas service valve shall be installed directly after the meter on the customers piping.
- 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). Metallic compression type couplings are prohibited.
- Backfill:** The service line installation must be inspected by company personnel before backfilling. 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.