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O&M Section # 22	SCUD Task # N/A
Section: Service	Revision Date: 09/06/16

Customer Owned Piping

SCOPE AND PURPOSE

This procedure is to ensure that the customer is notified of requirements when underground piping is used in the customers piping system. This covers new and existing piping.

RESPONSIBILITY

The Customer Service Representatives are responsible to provide this information in the new customer packet. The Service Department Supervisor or other designee, when performing an inspect, is responsible to verify that the requirements have been followed.

DEFINITIONS

SCUD Piping: The gas main at the road and the service line from the gas main to the gas meter at the structure. SCUD is also responsible for the gas regulator and meter.

Customer Owned Piping: Any piping installed from the outlet of the gas meter up to the appliance. The customer is also responsible for the appliance.

NOTIFICATION

In accordance with **192.16**, the following information is given to each customer when they establish service with SCUD.

Customer Owned Gas Piping Maintenance:

SCUD is responsible for the main gas line at the road and the gas piping running up to and including the gas meter.

The customer is responsible for all gas piping from the outlet of the meter up to and including the gas appliances

- The customer is to maintain all piping after the outlet of the meter to prevent corrosion, leaks or damage.
- Customer owned buried gas piping should be:
 - Periodically inspected for leaks.
 - Periodically inspected for corrosion if piping is metallic. Metallic pipe should be cathodically protected.
 - Repaired if any unsafe condition is found.
- When excavating near buried gas piping, the piping should be located in advance, and the excavation should be done by hand. SCUD is responsible for locating its own lines after TN 811 has been properly notified. The customer is responsible for locating their own lines. The installer, plumber, or heating contractor may be able to assist with locating and repairing the customer's gas piping.

Customer Owned Buried Piping Installation:

- *No mechanical fittings are allowed underground.*
- *Gas piping must not be in contact with any chemicals that may cause corrosion or damage.*

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1. **Black Iron & Galvanized Pipe:** **CANNOT** be installed underground (even if it is sleeved) or be in contact with the ground or standing water.
2. **Copper Tubing:** May be installed underground but all underground joints must be silver soldered.
3. **CSST (Corrugated Stainless Steel Tubing):**
 - May be used underground if sleeved in PVC or if direct burial CSST is used.
 - The installation must be done in accordance with manufacturers procedures.
 - **No** fittings may be installed underground.
4. **PE Pipe - Polyethylene (Plastic):**
 - For underground use only.
 - High or medium density PE pipe may be used but must be welded (fused).
 - The welder must be certified to weld which ever type of PE pipe is being used. SCUD **is not** qualified to weld medium density pipe.
 - Anode-less risers must be used to turn up out of the ground.
 - PE pipe shall not be installed under a building slab or building.

Piping that is installed underground must be a minimum of 12” deep. **404.10 IFGC.** For exception see 404.10.1 IFGC.

Underground gas piping shall not penetrate building foundation walls at any point below grade. Gas piping shall enter and exit a building at a point above grade and the annular space between the pipe and the wall shall be sealed. **404.4 IFGC**

*Natural gas installations completed prior to June 1, 2014 are grandfathered but black iron and galvanized pipe must be properly cathodically protected if it is to be in contact with the ground. **See 404.9, 404.9.1 and 404.9.2 IFGC.** The owner is responsible to provide cathodic protection for any steel piping that is underground. SCUD can provide options for cathodic protection.

- Propane switch outs are grandfathered, but the owner is responsible to provide cathodic protection for any steel piping that is underground. SCUD can provide options for cathodic protection. A hold harmless must be signed for any piping that cannot be inspected.

REPORTING/NOTIFICATION

Not applicable

RELATED PROCEDURES

None