

## Exterior Low Pressure Gas Lines / Pool Heaters etc.

### Below Grade

- Underground pipe must be 12" below grade and is recommended to be protected with steel casing in garden areas. Piping to grills and lights may be 8" if not susceptible to damage.
- An electrically conductive tracer wire (not wrapped around pipe) and warning tape extending the full length of the line must be used for all underground plastic piping. The warning tape should be placed 6" below grade.
- Underground gas and electric lines should be separated by a minimum of 12".
- No couplings/connections are permitted below ground.
- Plastic gasline, soft type L copper piping with compression fittings only, or approved CSST underground piping such as *Trac Pipe PS* and *PS-ll* may be used below ground.
  - Plastic and CSST gas lines should only be installed by a certified installer.
- Strain on piping should be avoided due to settling, and any stress at connections or changes in direction.
- An approved anodeless riser must be used to transition between underground plastic pipe and above grade steel piping.
- Piping entering through foundation walls must be wrapped with tape or sleeved to protect pipe. Piping cannot penetrate foundation walls below grade.
- Piping below buildings must be in conduit that must be sealed/vented in compliance with the code.

### Above Grade

- Plastic pipe shall not be used above grade. (It may extend upward to an anodeless riser).
- It is acceptable to use black steel pipe, a minimum of 3 ½" *above* ground outside. All portions of piping must be prevented from corrosion.
- It is also acceptable for a trained installer to use Corrugated Stainless Steel Tubing (CSST) above ground. The piping must be protected from physical damage, and all outdoor connections (not fittings) shall be protected with self bonding silicone tape. The plastic jacket shall remain intact. Piping shall be run on a solid surface when possible, supported at 4' intervals, and terminate at a solid, approved termination device.
- An exterior shut-off valve must be installed outside, upstream of unions and within 6' of appliance.
- A shut-off must be installed inside, at connection to main house line.
- ½" steel piping shall be supported at 6' intervals with suitable hangers; ½" copper every 4'.
- All installations shall comply with the manufacture's (piping and appliance) installation instructions.