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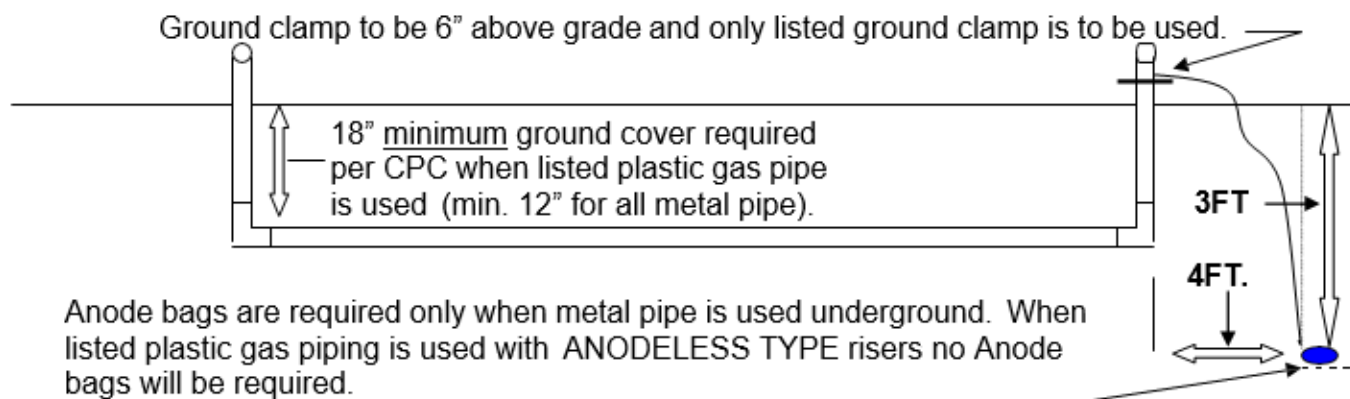
Gas piping installation and testing

- A permit is required when installing new gas piping or when altering an existing gas line.
- Gas-sizing calculations may be required to verify that the gas piping is sized per the minimum code requirements. Plans are required to show developed length and pipe size when adding to an existing system.
- All new piping shall be inspected prior to covering any portion. Underground piping systems shall be installed with a minimum of 18 inches of cover. Where external damage is not likely, the minimum cover shall be 12 inches.
- Ferrous gas piping installed underground in exterior locations shall be protected from corrosion by approved, factory-applied coatings and an anode bag. (See Anode bag requirements other side).
- The use of plastic gas pipe requires anodeless risers where terminated above ground. An electrically continuous tracer wire (min. AWG #14) or tape shall be buried with the plastic pipe to facilitate locating.
- All new, altered or repaired gas piping requires a pressure test. The piping pressure test shall stand a pressure of not less than ten (10) pounds per square inch gauge pressure.
- The test pressure shall be held for a length of time satisfactory to the administrative authority, but in no case for less than fifteen (15) minutes with no drop in pressure.
- Required pressure tests of ten (10) pounds per square inch or less shall be performed with gauges of one-tenth of a pound incrementation or less. The range of the gauge shall not be more than two (2) times the test pressure
- For commercial or industrial installations using a 2" inch or larger pipe will require a 24 hour test with a chart recorder

Minimum Anode Protection Requirement for coated Metal Gas Piping in Average Soil:

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| Anode Size | Gas Piping Size | | | | |
|--------------|-----------------|------------|---------|--------|--------|
| | ½" to ¾" | 1" to 1 ½" | 2" | 3" | 4" |
| 3 lb. Anode | 45 ft. | | | | |
| 5 lb. Anode | 74 ft. | 42 ft. | 34 ft. | 23 ft. | |
| 9 lb. Anode | | 76 ft. | 61 ft. | 41 ft. | 32 ft. |
| 17 lb. Anode | | | 115 ft. | 78 ft. | 60 ft. |



****Not to Scale**

Anode Bags to be sized Per Chart Above.

Note to all Plumbers, Contractors, inspectors and interested parties; the Anode bag requirement was adopted with the adoption of the 1994 Codes and has been enforced since January 1, 1996.