

WHOLE HOUSE GAS TEST

REVISED: 02/25/08

THE INFORMATION PROVIDED IS GENERAL AND INTENDED AS A GUIDE ONLY. EACH PROJECT IS UNIQUE AND ADDITIONAL REQUIREMENTS MAY BE ENFORCED AS DEEMED APPROPRIATE

- A whole house gas test is required upon completion of the installation, alteration, or repair of any gas piping. The City of Palo Alto shall be notified when gas piping is ready for inspection. *CPC 1204.1*
- Prior to inspection the permit holder/contractor shall test the system for leaks.
- If a meter release is required or if gas meter is being upgraded, see Gas Meter Release inspection checklist.
- The test gauge shall be located at the gas stub out location near the gas meter. The gas meter shall be disconnected so as not to pressurize the gas meter during the test. The gas stub out shall be configured to provide a service T or bypass per CPA Utility Standard Drawings.
- **GAS METER AT CURB BOX:** GAS TEST FROM METER THROUGH ENTIRE SYSTEM.
- **GAS METER IDENTIFICATION:** Where more than one gas meter, each separate gas meter shall be identified with a brass tag. *CPC 1209.6.5*



- Provide a 15 # gauge with 1/10 pound increments at House meter location. 3 PSI for 10 minutes. *CPC 1214.3.1,2,3*
- Verify that size of meter is large enough for the demand. Contractor may need to provide load sheet (total BTU count). If swimming pool is included on permit, see swimming pool/pre gunite check list. *CPC 1209.6.1*
- Field inspector shall call City of Palo Alto WGW Engineering 566-4511 if gas meter is not sized for the demand and advise of need to upgrade meter
- Verify proper gas pipe sizing per *CPC Table 12-7*
- Inspect new gas line for proper fittings and proper supports per *CPC Table 12-3*
- Any underground metallic gas pipe that is extended below grade requires a dielectric union to be installed at a minimum of 6" above

grade (CPC 316.2.4) *It is recommended that a full way valve be installed on underground lines to provide for an ability to isolate them if needed.*

- Verify meter is located in accordance with utility and CPC standards/requirements. Proper distance from electric meters, vents and operable window etc.

IF WINDOWS, BUILDING VENTS, CATV, TEL, ELECTRIC PANELS, OR OTHER SOURCES OF IGNITION ARE WITHIN 18” HORIZONTALY OR 10’ VERTICALLY FROM THE GAS REGULATOR SPRING CASE VENT, OR THE REGULATOR IS INSTALLED IN AN ENCLOSURE A REGULATOR VENT EXTENSION IS REQUIRED. SEE ILLUSTRATION “GAS METER LOCATION”

- While waiting 10 minutes for gas test....
 - verify equipment is properly installed and safe for operation
 - combustion air is supplied *CMC 701*
 - flues comply *CMC 801*
 - seismically secured *CMC 304.4*
 - working clearance is provided *CMC 305*
 - ducts *CMC 604*
- Once gas test is passed and all requirements are met, apply gold sticker *CPC 1205.1, 1205.2, 1208.0*
- Plumbing contractor will reconnect meter for use. The City of Palo Alto does not reconnect the meter.
- Gas systems found not to conform to the requirements of this code shall be disconnected. *CPC 1207.0. Prior to disconnection of or removal of any gas meter inspector shall notify 1) The owner or contractor of violations and why the installation is dangerous. 2) Supervisor of Inspections 3) WGW Operations of request to remove gas meter 4) Building Department (Carol or Guiselle) to send appropriate noticing via E-Mail and provide record of disconnect date and reason for service disconnect. SEE CPA REQUIREMENTS FOR “ UTILITY REMOVAL PROTOCOL” IN INDEX.*

- No gas pipe shall be installed in or on the ground under any building or structure unless installed as required under the provisions of *CPC 1211.1.6*
- Submit gas release tag to utilities for meter installation