



# DEPARTMENT OF RESOURCE MANAGEMENT

## Building Division

1855 Placer Street, Suite 102

Redding, California 96001

Phone: (530) 225-5761 Fax: (530) 245-6468

Inspection Request Line: (530) 244-5068

Web: building.co.shasta.ca.us Email: resourcemanagement@co.shasta.ca.us

### LP GAS – UNDERGROUND TANKS

(Rev: 08-10-20)

Reference Codes: NFPA 58, CFC Standard 82

#### Specific requirements:

1. Tanks must be installed by qualified and trained individuals.
2. ASME containers must be constructed and listed for underground service and labeled accordingly.
3. Tanks must have a factory-applied epoxy coating and anode protection.
4. If groundwater is encountered, an engineered dead man system is required.

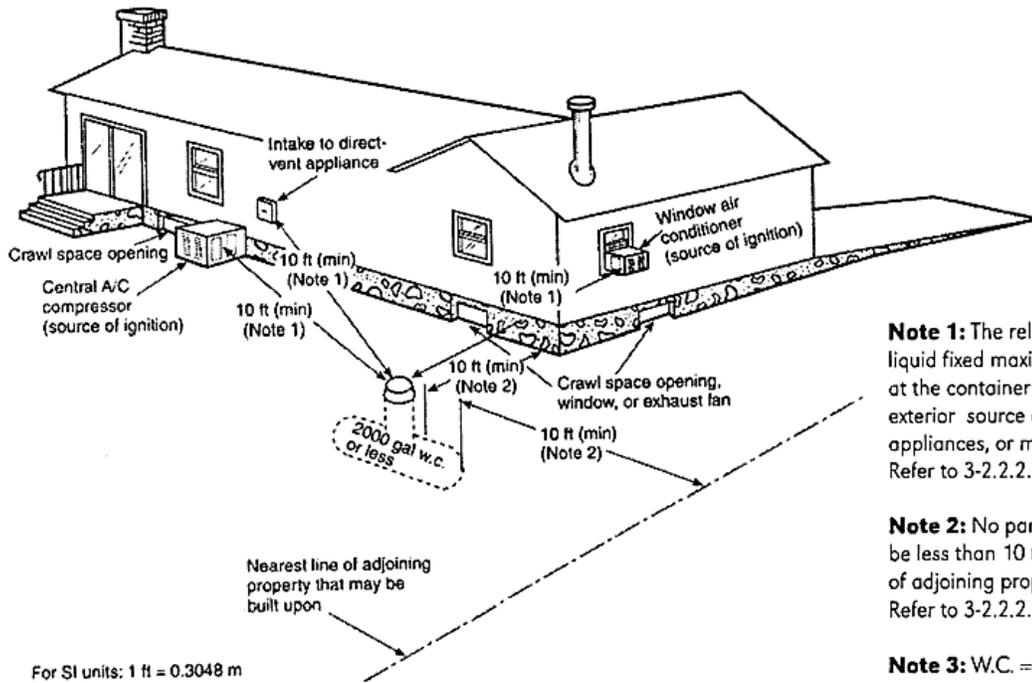
#### General Installation and Inspection Checklist:

- Located in accordance with the attached "Underground ASME containers" diagram.
- Bottom of the hole level and free of rocks. If rocks are present, a 6" bed of sand is needed.
- Bottom of the hole must be the proper depth to allow the dome to extend far enough above finish grade that water will flow away from the dome.
- Tank must be a minimum of 6" below grade. If subject to action from traffic, such as a drive or parking lot, the tank must be 18" below grade, 5' from a driveway, and 10' from a public road.
- Backfill must be free of rocks or abrasives.
- If groundwater is encountered, the dead man system is installed.
- Install the regulator so the vent is above the highest possible water level.
- Anode bags installed. 1@ 17 lb. for 500 gallon tank, 2@ 17 lb. for 1000 gallon tanks.

Permit #	Owners Name:		
Project Address:			
Company Name and address:			
Tank Manufacture:	Tank Serial Number:		
Type of Tank Coating:	Depth to top of tank:		
Tank Water Capacity:	Type of Backfill:		
Size and Number of Anodes:			
The above underground propane tank was installed as outlined in the National Fire Protection Association Code 58 and CFC Article 82 by:			
Print Name _____		Date: _____	
Signature _____			

**Underground ASME containers.**

(This figure for illustrative purposes only; text shall govern.)



**Note 1:** The relief valve, filling connection, and liquid fixed maximum level gauge vent connection at the container must be at least 10 ft. from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to 3-2.2.2. Exception No. 3.

**Note 2:** No part of an underground container shall be less than 10 ft. from an important building or line of adjoining property that may be built upon. Refer to 3-2.2.2. Exception No. 3.

**Note 3:** W.C. = Water capacity

For SI units: 1 ft = 0.3048 m

NFPA 58, 2001 Edition