



MOUNTAIN WEST CO-OP



New Tanks Set Standards and Suggestions

Questions call:

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What must be ready before service tech arrives.

1. Site of tank installation leveled, or the hole is dug and prepared for an underground tank.
2. Trench is dug or arrangements made for us to dig.
3. Location for the tank meets the location specifications provided in this document.
4. The 2nd stage Regulator location marked- see below
5. The site map with drawings returned to CHS before installation
6. COD customer will need to pay a deposit before, any work is done, remember the amount is just an estimate. Balance due before the tank is filled. Credit customers must have an approved credit application. One of these 2 criteria must be met before work is started.
7. All new plumbing must be sealed, and a pressure gauge attached that has held pressure for 24 hours. Our service tech cannot attach to new plumbing without this being done and viewing the gauge.
8. If you are digging around power contact 811, U-Dig

Below is being provided as guideline for setting and location of tanks

2nd Stage Regulator Placement and Protection

The 2nd Stage Regulator is the regulator that is normally located on the house. It's purpose is to reduce the tank pressure down to the appropriate pressure for the house. There will be another regulator located at the tank, this is called the 1st Stage regulator. This regulator handles the higher pressure of the tank.

- 2nd Stage Regulator point of discharge shall be located not less than 5 ft in any direction from any source of ignition, openings into direct-vent (sealed combustion system) appliances, or mechanical ventilation air intakes.
- The discharge outlet shall be located not less than 3 FT horizontally away from any building opening below the level of the discharge.
- The discharge outlet shall be designed, installed, or protected from blockage so it will not be affected by the elements (freezing rain, sleet, snow, ice, mud or debris) or insects
- The regulator should be protected from snow shedding from roof curl that could damage the regulator or tear it off the wall.

Other things to consider

- Consideration to tank location and size should be winter access. Remote sites that involve steep grades are difficult to impossible to service in the winter. Owner needs to remember that for the truck to enter your road it will need to be plowed 8' wide, with a plowed turnaround area. All steep roads and houses that are remote will need to be pre-approved for delivery, before work starts.
- Tank will need to be within 100 ft of the driveway/road for fill purposes
- Trenching depth is 12"-18" or in conduit under driveway /road, trenching will be done by homeowner unless the owner makes arrangements with the CHS Propane Manager. CHS only does all dirt trenches and is unable to dig trenches in rocks or through trees.
- Propane tanks cannot be located within a building, or enclosed structure.
- Owner will need to verify with CHS that the site is ready for installation. If CHS comes on a site that has been told is ready and it is not, we reserve the right to charge and extra \$100 for installation.

100-pound propane tanks

- The minimum distance from the opening of a building is 3 feet
- The minimum distance from any source of ignition is 5 feet

100-gallon propane tanks

- The minimum distance from the opening of a building is 5 feet
- The minimum distance from any source of ignition is 10 feet

500-gallon propane tanks

- The minimum distance from the opening of a building is 10 feet
- The minimum distance from any source of ignition is 10 feet
- The minimum distance from a property line is 10 feet

1000-gallon propane tanks

- The minimum distance from the opening of a building is 10 feet
- The minimum distance from any source of ignition is 10 feet
- The minimum distance from a property line is 10 feet

If two, 1000-gallon tanks are placed within 3 feet of each other, each of the above clearance requirements increases to 25 feet.

Underground Propane Tank Placement Requirements

- **500-gallon tanks:** Hole-14' L x 5' W x 5' Deep
- **1000-gallon tanks:** Hole 20' L x 5' 6" W x 5' Deep
- **Bedded with sand 4" thick- see attached diagram**

Before the propane tank installation process, you'll need to consider the clearance and depth guidelines.

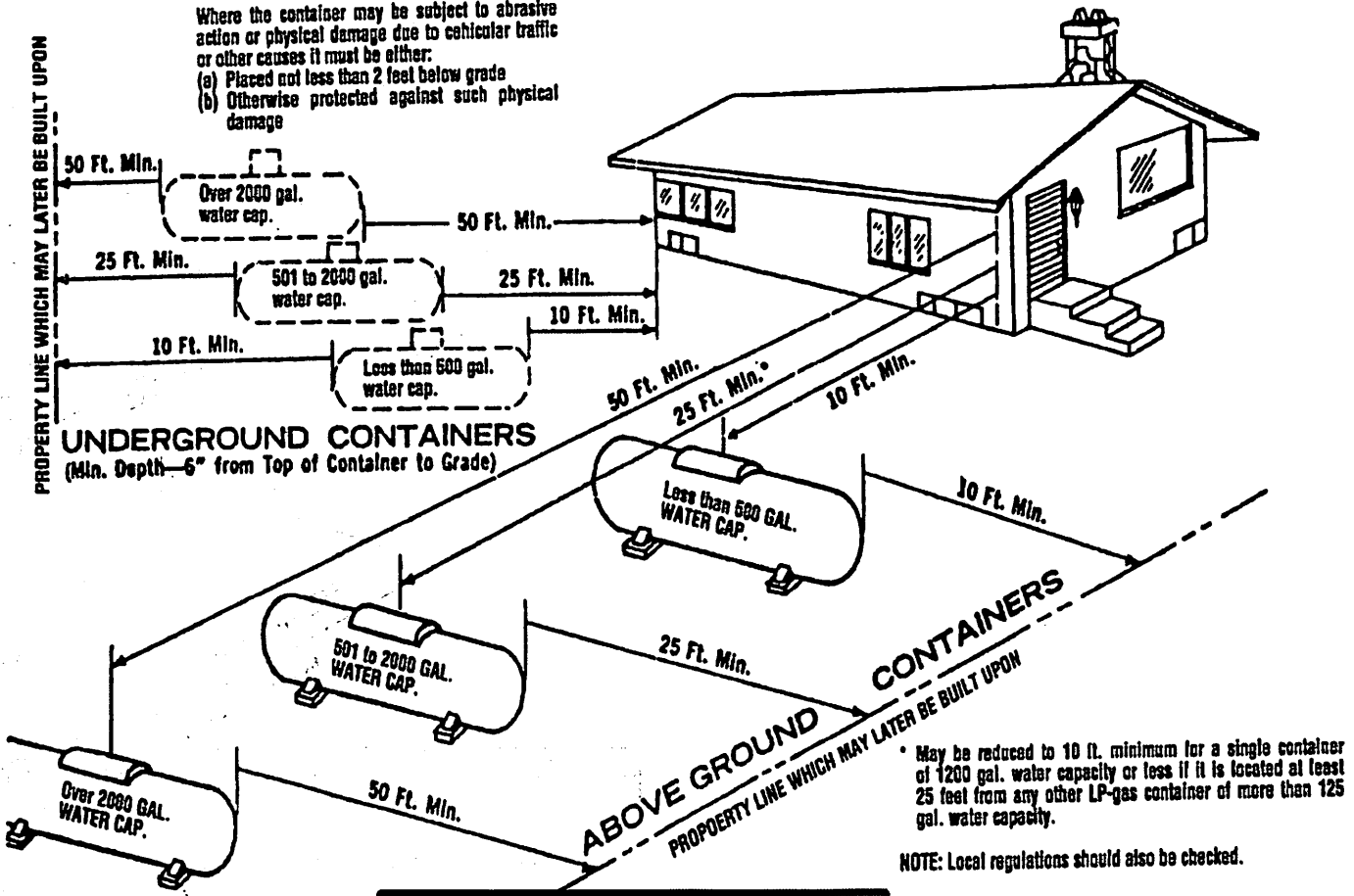
- Where are the openings to the home (doors, windows, etc.)?
- What location in the yard gives you enough space for a propane tank while adhering to the placement requirements?
- What property lines around the house should you consider?
- Do you have other sources of ignition near the home?

LOCATION OF STORAGE TANKS

(From NFPA Standard No. 58, 1969)

Where the container may be subject to abrasive action or physical damage due to vehicular traffic or other causes it must be either:

- (a) Placed not less than 2 feet below grade
- (b) Otherwise protected against such physical damage



Propane tank location meets the distance from adjacent containers, important buildings, or line of adjoining property that can be built upon as shown above.

10 feet from combustible material, weeds and long dry grass.

20 feet horizontal separation between aboveground LP-gas containers and aboveground tanks containing liquids having flash points below 200°F, i

LG-gas tanks shall not be located within 6 feet of an overhead power line 6.5.3.13

Propane tanks shall be installed on concrete or masonry foundation 6.6.3.1

Structures such as fire walls, fences, earth or concrete barriers, and other similar structures shall be permitted around non-refrigerated containers in accordance with all of the following: (6.5.4.1)

(1) Clearance shall be provided around the propane tank for inspection and maintenance.

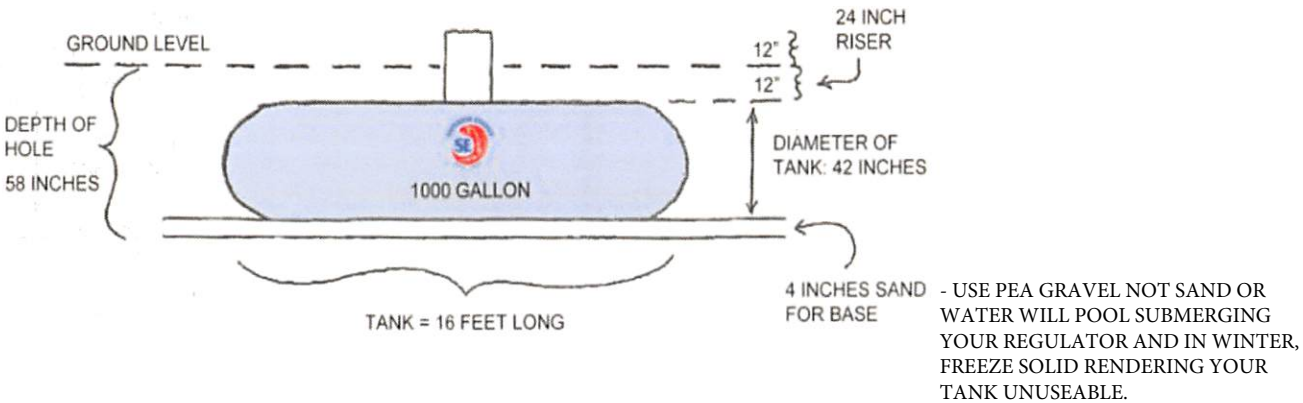
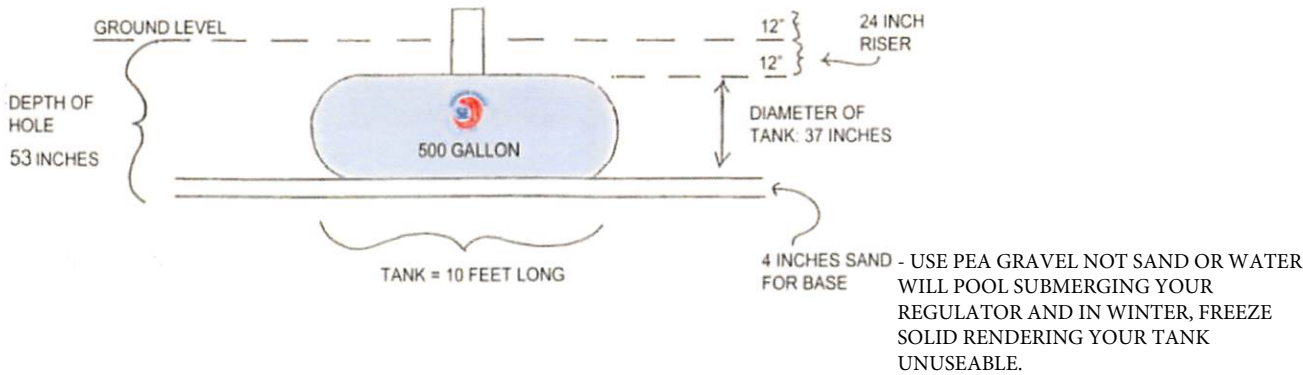
(2) Any structure around the tank shall be open on at least one side that includes the longest dimension of the container and shall have no top to it.

(3) The top of the container shall be capable of being wetted by emergency response team.

Snow depth and accessibility shall be considered in the placement and servicing of the tank.

Propane tank cannot be located inside a building or structure. Check with CHS service tech for specifics.

Underground Tank Specification

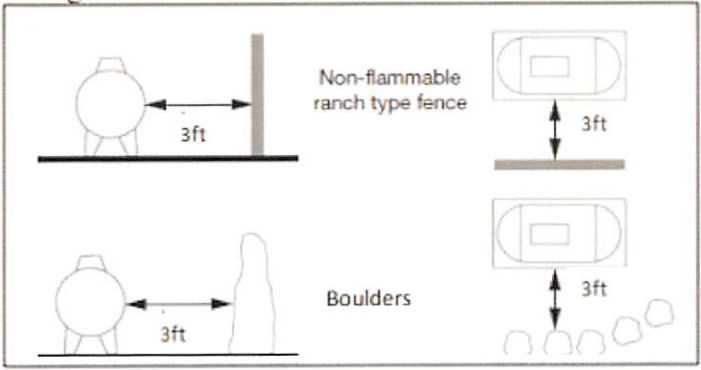


For trench: Underground line to the tank must be 18 inches below ground level (with a 4-6 inch sand base) or 24 inches below ground level if it is to be driven over (such as under a driveway, etc.)

SCREENING

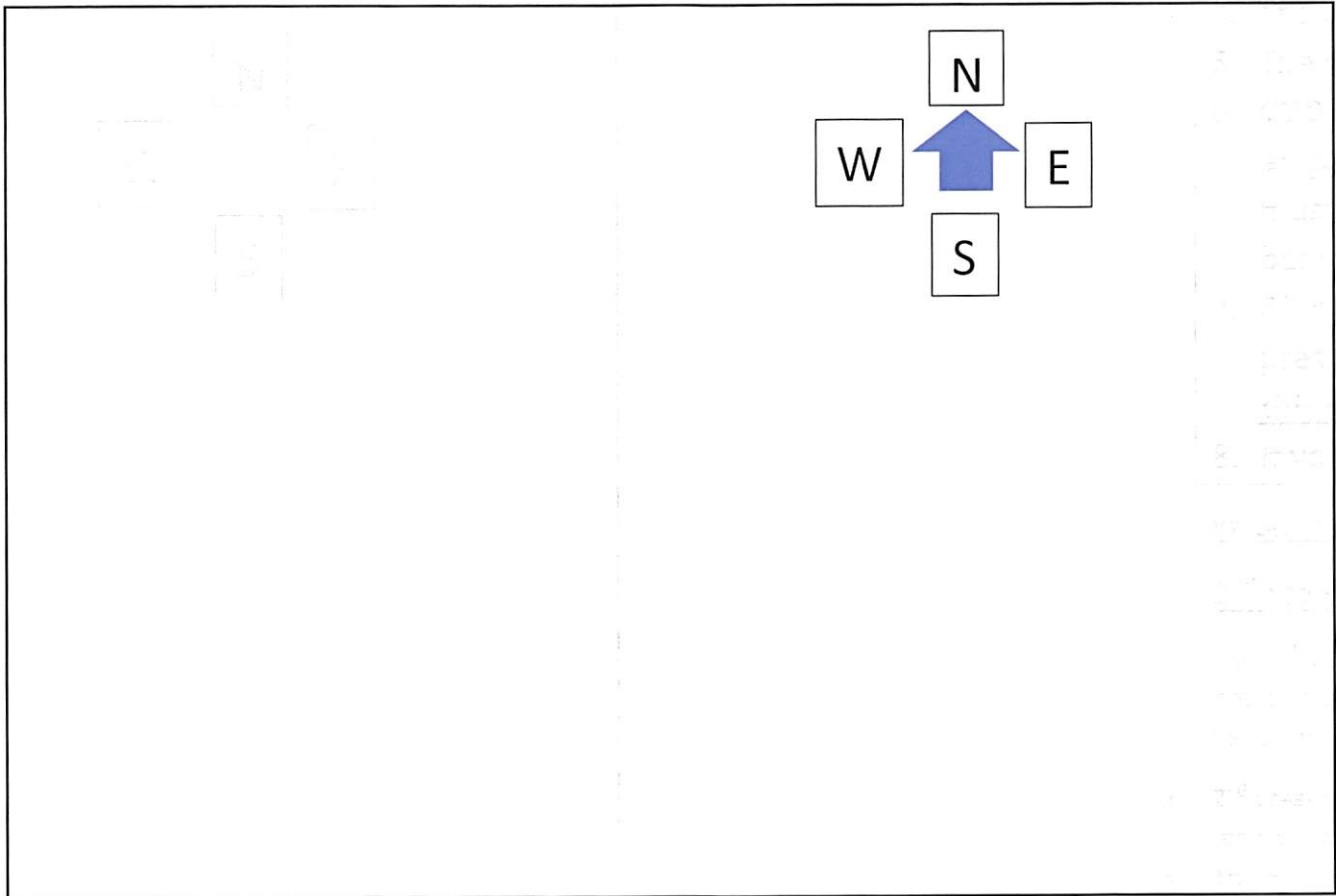
Screening an above ground tank is permitted providing that the screen:

- is located on one side of the tank only
- does not impede natural ventilation around the tank(s)
- is either boulders or non-flammable ranch type fencing
- does not obstruct the delivery driver's line of vision when filling the tank
- is located at least 3ft away from tanks of less than 2000lb capacity.



Return this page to CHS
Work will not start until this is returned
DRAW-SITE PLAN MAP

Customer Name: _____ Date _____ BID BY: _____



Appliance Info- do your best, the better you do on this the more accurate our system will be on usage.

Type				
BTU"s				
Manual shut off				
Sediment trap				