



***PROGRESSIVE YARD WORKS LTD.***

*“Manufacturer of Exceptional Fiberglass Products”*

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# “Horizontal” Underground Tank Installation Instructions



## 1. GENERAL INFORMATION

- Please read and understand these instructions prior to installing the tank. These instructions do not include procedures for working around excavations and power equipment. **Do not put your health or safety at risk or interpret these instructions in such a way that your health or safety is at risk.**
- Local, provincial and federal regulations take precedence over these instructions. If these instructions contradict local, provincial or federal regulations please contact the factory immediately at (306) 244-6911.
- Visually inspect the entire tank before unloading. Only when you are satisfied that the tank has been delivered to you in factory condition should you sign shipping documents. If you find any damage to the tank please contact the factory at (306) 244-6911.
- Unload the tank using the lifting mechanisms provided. Do not roll or pull the tank off of the truck bed unless supervised by an experienced factory representative.
- Ensure that you use proper unloading equipment that is capable of handling the weight of the tank.
- If you plan on storing the tank at ground level prior to installation please be sure to anchor the tank. Unanchored fibreglass tanks can be moved by the wind causing significant damage to the tank and surrounding area.
- If wet hole conditions exist or high water table is a concern, check with the factory for further instructions before continuing with the burial. Your tank may not be suitable for such conditions.
- Be sure that all plugs and fittings are water tight prior to burial.

## 2. TANK LOCATION AND LOCATION CONSIDERATIONS

- Locate the tank where it will not be driven over as no traffic can pass over, or close to, the excavation area after the tank has been installed. Contact the factory for tanks that can be driven on.
- Divert downspouts and eavestroughs away from the excavation area.
- Locate the tank away from low areas or drainage areas.
- Locate the tank away from side hills.

- A slight mound should be left over the excavation area to help divert any runoff water away from the tank.

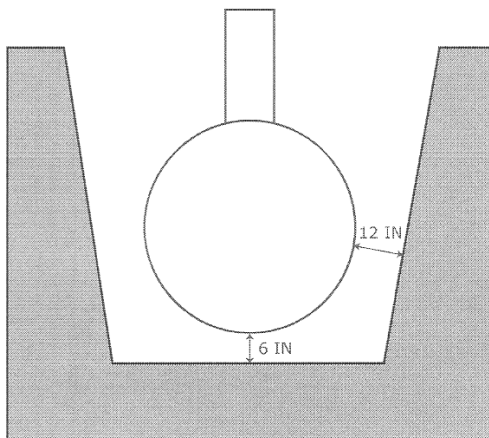
### 3. APPROVED BEDDING MATERIAL

Free flowing bedding material that does not require hand tamping during installation:

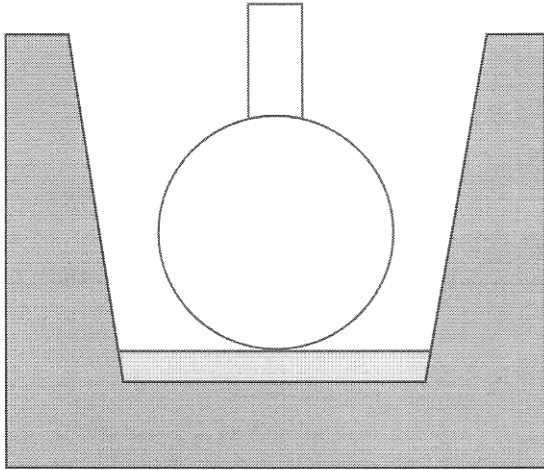
- **Pea gravel** - a clean, round and free flowing rock sized not smaller than 1/8 inch or larger than 3/4 inch. Approved bedding material that requires hand tamping during installation:
- **Washed Rock** - clean, crushed rock sized not smaller than 1/8 inch or larger than 1/2 inch. Since washed rock is not free flowing you are required to tamp the rock during installation to eliminate voids and ensure that the tank is fully supported by the approved fill material. Any tamping must be done by hand. Do not use mechanical tamping devices such as the bucket of a backhoe.
- **Specific Road Crush** - crushed rock sized not smaller than 1/8 inch or larger than 1/2 inch with less than 10% fines. Since specific road crush is not free flowing you are required to tamp the road crush during installation to eliminate voids and ensure that the tank is fully supported by the approved fill material. Any tamping must be done by hand. Do not use mechanical tamping devices such as the bucket of a backhoe.

**PLEASE NOTE: Clay, native soil, sand, foreign materials or anything not specified above is not considered approved bedding material. Use of these materials will result a voided warranty.**

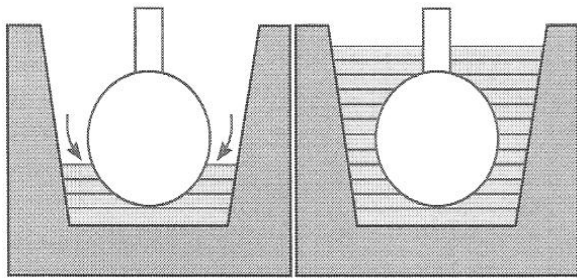
### 4. INSTALLATION INSTRUCTIONS



- Excavate the site at least 6 inches deeper and 12 inches wider and longer on each side than the tank.
- Place a minimum of 6 inches of **approved bedding material** between the bottom of the hole or concrete slab. Level the bedding material. Do not place the tank directly on any concrete pads that may have been poured or placed to anchor the tank.

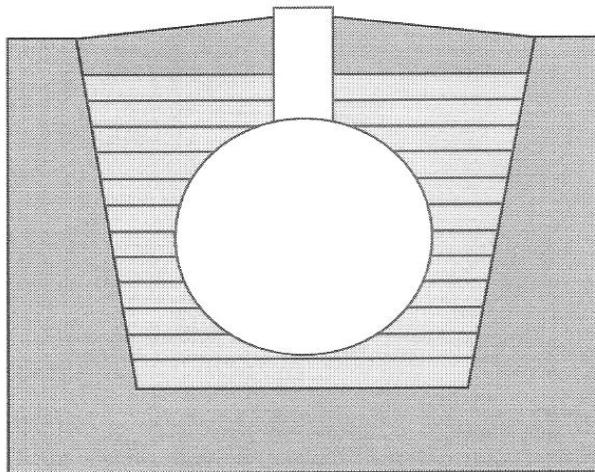


- Begin to backfill with **approved bedding material** around the tank slowly and evenly 6 inches at a time. Ensure that voids underneath and on all sides of the tank are filled. Do not fill one side of the tank and then the other. This bedding process must be done evenly. Hand tamp if necessary (see notes above on approved bedding materials). Do not use the bucket for tamping approved bedding material.



- Once the tank has been completely covered with **approved bedding material** at least 12 inches above the top of the tank body, native fill may be put back into the excavation. This native fill should be void of large rocks and clumps over 6 inch diameter. This

native fill can include clay, native soil and sand. To prevent settling it is also important to ensure that this layer of native fill has no voids. Settling in this layer can cause a negative grade, allowing water to easily flow into the excavation and creating the potential for problems.



- A slight mound must be built over the excavation area to help divert any runoff water away from the tank.
- If at any time during the backfill process you see a flat spot appear on the tank or see anything unusual stop all installation and contact the factory. The tank must maintain its circular shape for maximum strength.

- Maximum burial depth must not exceed 1.5 meters (5 feet) above the tank on regular duty, 2.14 meters (7 feet) on medium duty (MD), and 3.0 meters (10 feet) above the tank on heavy duty (HD) tanks. Consult the label if you do not know if your tank is a regular duty or heavy duty model. If the letters HD appear in the tank part number you have a heavy duty tank.

## 5. ANCHORING

- Fibreglass tanks are traditionally anchored if there is a problem or potential problem with high water levels. Do not assume that because your tank is anchored that it is suitable for wet hole installations. If your installation is a wet hole installation or if a high water table is either a real or potential concern, stop the installation and contact the factory immediately. It is the responsibility of the owner to decide whether or not to use anchors.

Thank you for purchasing a tank from Progressive Yard Works LTD. If you have any questions about your tank installation please do not hesitate to contact the factory at (306) 244-6911