



# Canwest Tanks & Ecological Systems Ltd.

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## INSTALLATION INSTRUCTION Polyethylene Underground Tanks

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- The tank is constructed for direct burial, confirm depth of burial before installing.
  - Most poly tanks are approved for two (2) ft. of earth cover. If in doubt contact Canwest
  - LP series are rated for or up to four (4) ft. of earth cover.
  - Do not locate tank under pathway of vehicles or heavy equipment.
  - Keep tank away from large roots and sharp rocks.  
Extra caution must be taken in **clay, heavy soil or fine sand.**
  - If used as holding tank, pump or siphon chamber, ensure that the tank is adequately vented to prevent internal pressure
  - Do not install tank in areas with high water table.
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### EXCAVATION

**Remove all clay, rocks and debris from the excavation**

**Allow enough clearance around the tank to correctly place the back-fill around the tank. Bedding should be leveled pea gravel, 6" deep, minimum in soil terrain and 12" deep minimum where clay or rock is present.**

### PLACING THE TANK

**Prior to placing tank, check for any shipping damage.**

**LP SERIES TANKS ONLY. Check that the internal support pipes are in place after shipping**

**Ensure that the tank is FIRMLY EMBEDDED IN PEA GRAVEL and that the tank is level, before starting to backfill. Shape bedding to the contours of the underside of tank to eliminate voids that later can cause settling of the tank**

**If necessary add water to the tank for stabilization**

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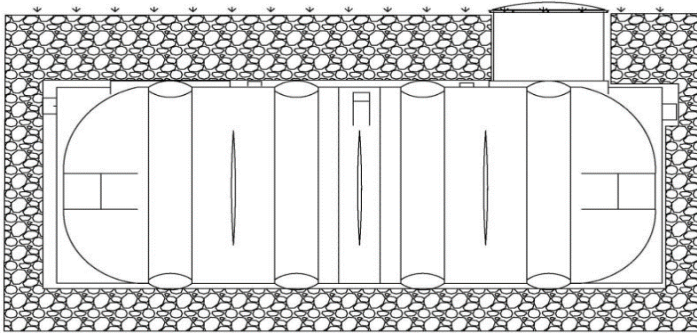
### BEFORE BACK FILLING

**Install riser(s), if needed, and the manway lid, and cover open pipe connections prior to starting the back fill.**

**CAUTION: Keep the lid in place during and after installation**

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**Office & Plant: 11975 Old Yale Road, Surrey, B.C. V3V 3X4, Canada  
Tel: 604-580-3030, Toll Free (Canada) 1.888.704.3030 Fax: 604-580-1171  
Email: [canwest@direct.ca](mailto:canwest@direct.ca) Web: [www.canwest-tanks.com](http://www.canwest-tanks.com)**



**III. 1.**

**Tank must be bedded & back filled with 12" Pea Gravel around the tank.  
Back-fill evenly around tank to avoid shifting the tank side to side.  
Inlet – outlet must be level end to end, to ensure gravity flow**

**Shape bedding to the contours of the underside of tank to eliminate voids that can cause settling of the tank and bring it out of position. !**

**Important: Back-fill must be properly placed completely surrounding the tank  
–see illustration**

**DURING installation of the tank**

- **Check often that the tank is level during back filling.**
- **Back-fill to grade level.**

**PIPE CONNECTIONS**

- **Make solvent weld pipe connections to pre-plumbed tank, only when tank is firmly secured and unlikely to shift during remaining back-filling.**
- **Be sure that the pipe connections are supported by compacted backfill material so as not to sag or move.**

**IMPORTANT**

**The burial instructions for Polyethylene Tanks in all under-ground applications must be followed to ensure proper operation and usage of the tank as well as to prevent damage to the tank.**

**Note that these instructions are especially important where the ground contains rocks or clay.**

**Failure to follow the burial instructions, as they are defined in this text, will void the warranty**

**In circumstances not covered in this text, please contact factory before installing the tank.**

**Backfill Material**

**Pea Gravel is naturally rounded aggregate 6 mm in nominal size, (ranging from 3 to 20 mm, clean and free flowing).**

**Crushed Stone is angular material with a particular size of not less than 3 mm nor more than 13 mm diameter, and clean.**