![Ace Roto-Mold logo]

Ace Roto-Mold
A DIVISION OF DEN HARTOG INDUSTRIES, INC.

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Below Ground Spherical Cistern Tank Installation Procedure
Important- Please Read *Entire Document* Carefully Before Installing This Product!

1. **Excavation (Figure 1)**
   a. Surrounding soil must be undisturbed soil or well-compacted engineering fill.
   b. Measure tank width, height, and length.
   c. Excavate and provide a well-compacted support layer of sand / gravel mixture so that dim. (A) is a min. of 6″ for soil terrain and 12″ for rock terrain.
   d. Allow dim. (B) to be a min. of 8″ and a max. of 36″.
   e. Allow dim. (C) to be a min. of 18″ and a max. of 24″.
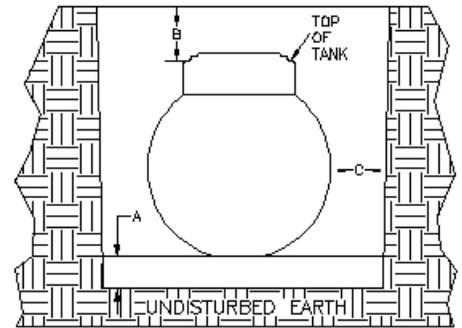
Figure 1

2. **Tank Assembly / Installation**
   a. Install plumbing for filling (if applicable) and empting tank.
   b. Install the manhole risers or access covers before backfilling.
   c. Place and center tank in hole using lifting ears, not manholes.

Caution: If factory manhole risers are not utilized to raise manhole to ground level, cribbing or sleeves must be installed around manhole.

3. **Backfilling (Figure 2)**
   a. Backfill all around tank using a sand / gravel mixture.
   b. Mound soil over septic tank in order to drain away from tank and allow for settling soil. 6″ of native soil may be used for mounding.
   c. Fill tank to at least 1/3 capacity after tank is installed.

Caution: Backfill uniformly around tank perimeter.
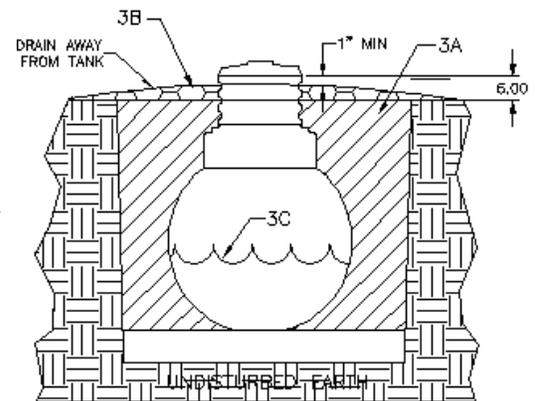
Figure 2

4. **General Information**
   a. Check with the governing agency in your county for specific installation requirements or codes for cistern tank systems.
   b. These codes may specify different installation details than presented within this guideline and as a result will have precedence.

NEVER INSTALL THIS PRODUCT IN AN AREA WITH A HIGH WATER TABLE OR IN WATER-SATURATED CLAY MIX.

WATER TABLE SHALL NOT BE ABOVE BOTTOM OF TANK.

NEVER INSTALL THIS PRODUCT BENEATH VEHICULAR OR HEAVY EQUIPMENT TRAFFIC. THIS PRODUCT WAS NOT DESIGNED TO BE DRIVEN UPON.

NEVER LEAVE TANK LESS THAN 30% FROM EMPTY. REFILL IMMEDIATELY AFTER PUMPING CONTENTS

5. **Warranty**
   a. Reference warranty document, "*Limited Warranty Polyethylene Tanks*" (WIR7.5-57)