Publication 10039

Below Ground Septic Tank Installation Guidelines

Important – Please read carefully before installing product

1. General Information

a) Check with the governing agency in your county or city for specific installation requirements for septic tank systems. These codes may specify different installation details than presented in this guideline and as a result will have precedence.

b) Never install this product in an area with a high-water table or in a water-saturated clay mix. Failure to heed may result in tank damage and/or contamination from leakage.

c) Site where tank is to be installed must provide adequate drainage away from tank. Failure to heed may cause a high-water table around the tank and cause tank to collapse and/or contamination from leakage.

d) Never install this product beneath vehicular traffic. Tank is not designed for these traffic loads. Failure to heed may result in tank collapse and/or contamination from leakage.

e) Tanks that are equipped with above ground access must have the access cover securely locked. The DHI riser option provides a locking ear so that access cover can be secured with a tamper proof lock.

f) Be certain to provide venting to the tank to prevent pressure and vacuum loads. Failure to do so may result in tank damage.

g) Tank is designed for maximum vertical load of 500 lbs. per square foot. Failure to heed may result in tank collapse and/or contamination from leakage.

2. Site Excavation - (Figure 1)

a) Surrounding site soil must be undisturbed soil or a well-compacted engineering fill.

b) Measure tank width, height and length to establish excavation profile.

c) Excavate and provide a well-compacted support layer of sand / gravel mixture so that Dimension 'A' is a minimum of 6" for soil terrain and 12" for rocky terrain.

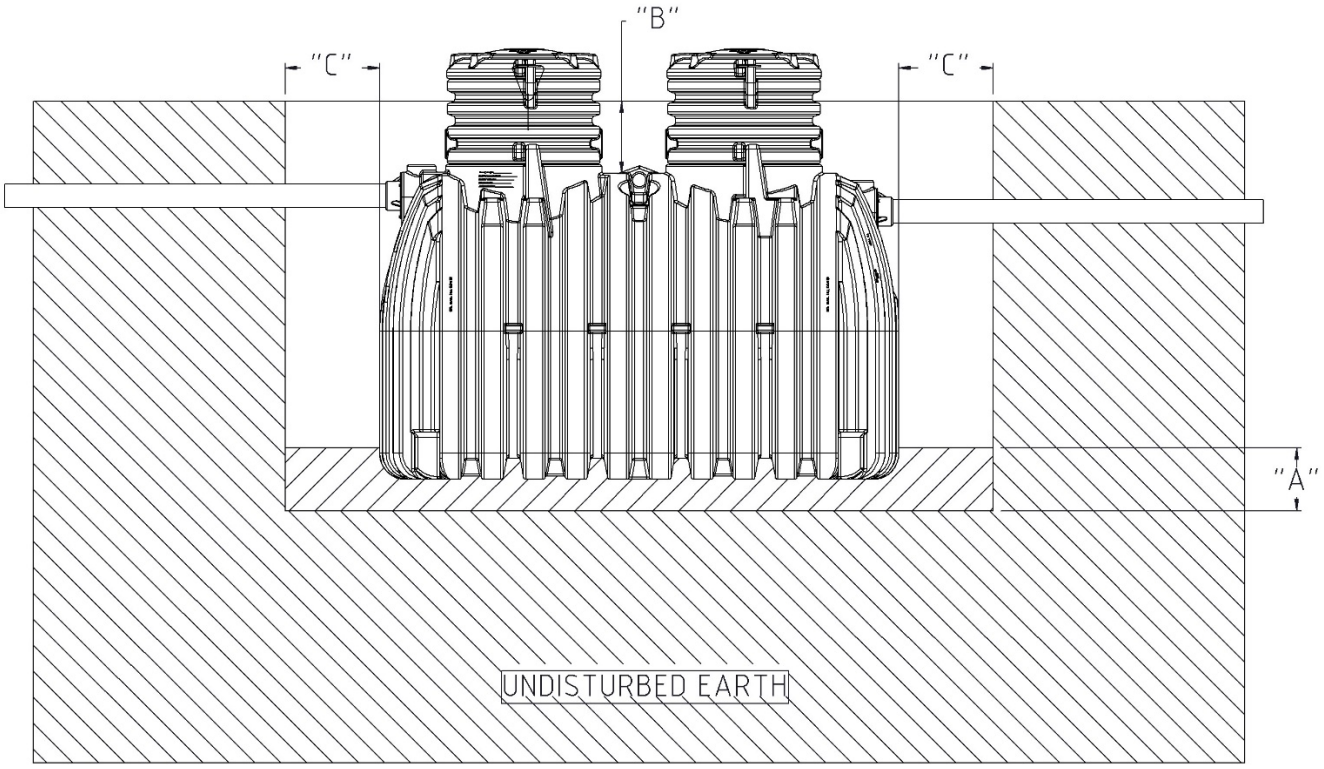
d) Allow Dimension 'B' to be a maximum of 36".

e) Allow Dimension 'C' to be a minimum of 18" and a maximum of 36".

f) Place and center tank in excavated hole using lifting ears provided. Do not lift tank with lid opening.

g) Be certain that once tank is placed in excavated hole it is level.

Figure 1: Site Excavation.



(Tank may vary from what is shown)

3. Tank Assembly / Installation-(Figure 2)

a) Install inlet / outlet seal into openings.

b) Loosely attach gasket clamps to tank at openings with three ¼" x 1" hex bolts and washers.

c) Slide 4" inlet / outlet pipe through seals and attach tees (and tee extensions if required).

d) Cement as required with the proper solvent. Be sure to position tees so that they can be viewed through all access openings.

e) Tighten gasket clamp bolts.

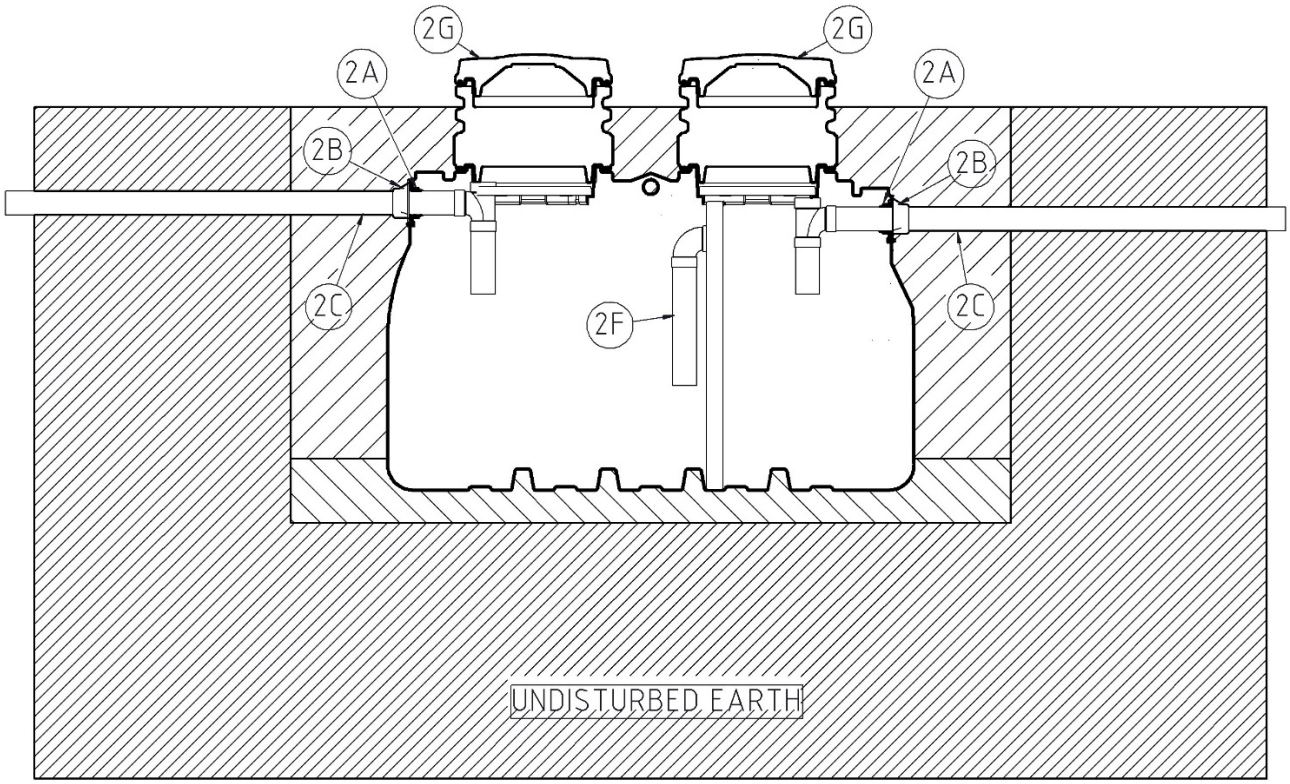
f) In two compartment tanks cut hole or install divider fittings per applicable code.

g) Install the manhole riser or access covers before backfilling.

h) 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.

Figure 2: Tank Assembly / Installation.



4. Backfilling – (Figure 3)

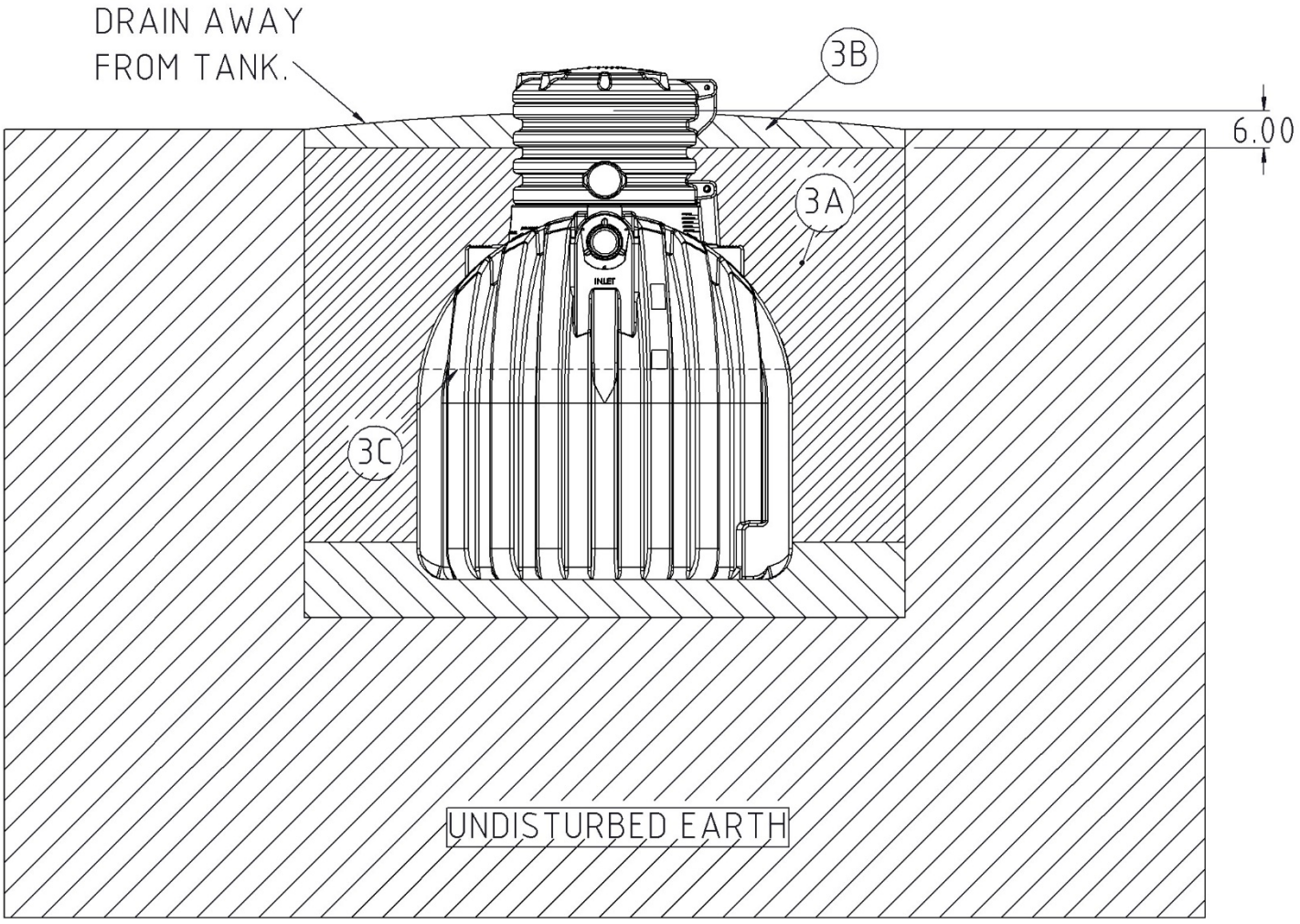
a) Backfill evenly all around tank using a sand / gravel mixture

b) Mound soil over septic tank in order to drain away from tank all allow for settling soil. 6" of native soil may be used for mounding.

c) Add water to maintain uniform internal and external pressure on tank as backfill is added.

Caution: Backfill uniformly around tank perimeter. Never backfill on one end only.

Figure 3: Backfilling.



5. Warranty

a) Reference Warranty Document, *Limited Warranty Polyethylene Tanks* (WIR7.5-57)