



*The following installation procedures represent the manufacturers general recommendations. State, Provincial or local regulations may include requirements that countermand these instructions. If this situation arises, the regulatory requirements prevail.*

#### **I) Excavation**

Excavate the site to a margin 12-18 inches from the OD of the Monster D Box to a depth that meets the elevation requirements of the inlet from the septic tank and the drainfield laterals. The Monster D Box is manufactured with a 2 inch invert drop between the inlet port and the outlet ports.

#### **II) Bedding**

The Monster D Box must be installed on a level and compacted base. The base may consist of native soil, sand, crushed stone or other suitable compactible material.

#### **III) Pipe installation**

The effluent line from the septic tank the Monster D Box must be pitched per state and local regulations to provide gravity flow to the D Box and prevent restriction of outflow from the tank. All buried piping should be installed on a compacted bed of material free of voids and debris. Pipe should be extended past the pipe seal into the tank a minimum distance of 2 inches. In some jurisdictions, a tee-baffle must be installed on the end of the inlet line in the D Box. The length of extension of the inlet line to accommodate this should position the baffle such that the distance from the inside D Box wall to the centerline of the baffle stack is 9-11 Inches.

#### **IV) Pipe Seals**

The Roth Monster D Box is equipped with Tuf-Tite® pipe seals, suitable for SDR 35 or Sch. 40 pipe.  
**Per RI DEM requirements, the Monster D Box must be installed with friction pipe seals in the inlet and outlets sealed for water-tightness using a sealant compatible with the D Box materials of**

**construction. Suitable sealants include but are not limited to Orenco ADH-100 , Concrete Sealants Conseal CS-1500**

#### **V) Closure**

The Roth Monster D Box ships with a threaded STAR- 24L gasketed lid that threads directly into the top of the D Box.

#### **VI) Access from finish grade**

While Roth does not require or necessarily recommend that D Box installation include access from grade, the Roth Monster D Box is compatible with Roth's STAR 24 Riser system with Riser sections available in 6 and 12 inch segments which can meet this requirement. There is no minimum cover fill depth requirement for the Monster D Box.  
**Per RI DEM requirements, the Monster D Box must be installed with access from finish grade.**

#### **VII) Backfilling**

Once the plumbing is in place, the Monster D Box can be backfilled around the inlet and outlet piping. Native material may be used for this purpose, or sand, crushed stone or other compactible material. As material is added, gently work in and compact with a pointed shovel. As the Monster D Box weighs 18 lbs., ballast in the bottom of the D Box may be helpful in reducing movement while backfilling and compacting soil around it. A couple of cinder blocks work well for this task.

VIII) Drain field lateral flow adjustment  
Tuf-Tite® Speed Levelers™ or other similar products may be used to provide flow distribution to the drain field laterals as desired.

#### **Warning:**

- 1) Maximum burial depth-Six Feet (6 Ft) to the bottom of the Monster D Box**
- 2) Monster D Box is NOT traffic rated, do not install in areas where vehicular over-travel may occur.**



VII Installation detail



