Site Preparation

Instructions

The tank pad diameter must be at least six feet larger than the diameter of the tank for installation.

- 1. Remove all loam, vegetation and sharp
- 2. objects from the tank pad location.
- 3. Wherever possible, the tank site should be
- 4. excavated into natural ground.
- 5. When excavating a site, adequate drainage
- 6. must be installed to allow water to be diverted
- 7. around the tank.
- 8. When using fill to level a tank site, adequate
- 9. retaining must be constructed to maintain pad
- 10. integrity.
- 11. Tank base material must be crushed stone or
- 12. similar, with a maximum particle size of 0.25"
- 13. The tank base must be at least 3" thick and
- 14. level within 1/2"
- 15. Once the tank base is complete, ensure any
- 16. damage by vehicles or livestock is adequately
- 17. repaired.

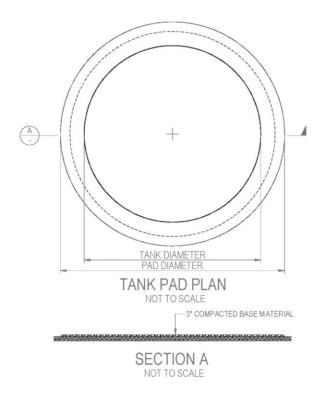
On the day of installation

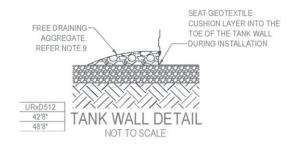
The customer is required to have available:

- Someone to advise the orientation of the fittings prior to installation starting
- Sufficient water to fill 10% of the tank volume while the installer is on site

IMPORTANT

Once the tank installation is complete, place a layer of free-draining aggregate around the perimeter of the tank to reduce base erosion.



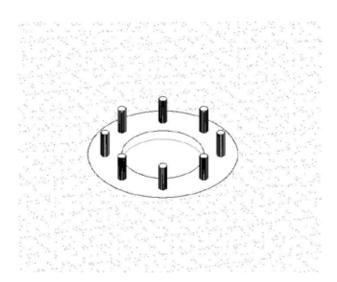




Scour Drain Installation

Prior to installation

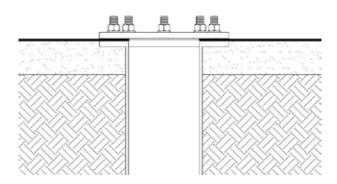
- Excavate pipework trench in planned scour location.
- Lay scour pipework at least 12" below the planned base level on a suitably compacted base to minimise settlement.
- Finished the scour flange flush with the prepared tank base level.
- Studs must be at least 2' long, threaded within 1/8" of flange.
- Backfill trench after pipework installation with suitable engineering fill and compact accordingly.



Finished studded flange prior to liner installation, flush with base level, studs 2" long minimum

Scour drain installation

- 1. Wrap exposed studs with geotextile offcuts or similar to protect liner during installation.
- 2. Install tank structure as normal.
- Position the geotextile underlay as normal.
 After installation, find the studs, cut a hole around each one and push studs through the geotextile layer. Cut center hole last.
- 4. When installing the liner, lift the base section over the protruding studs as to not damage the liner.
- After liner installation, find the studs, cut holes around each one and push studs through the tank liner. Do not cut the center hole at this stage.
- 6. Remove the geotextile offcuts from studs, place the rubber gasket and sealing flange over the studs.
- Place a bead of Sika sealant about base of the exposed stud and tighten the washers & nuts onto each one.
- 8. Cut the center hole in the liner once the sealing flange is firm in place.



Bolted scour order of assembly: geotextile underlay – tank liner – rubber gasket – sealing flange – sealant – washers & nuts

IMPORTANT

Compact the subgrade immediately next to flange to provide a firm, unyielding surface for liner to be placed on. Failure to compact area near flange may create differential settlement and lead to liner bridging and ultimately liner failure.

