

## **Geomatrix GST™ Leaching System Installation Instructions**

This installation procedure serves as a general overview of the installation procedure for Geomatrix GST. The system drawings should be strictly adhered to and an authorized representative of Geomatrix Systems, LLC must be present unless the contractor is certified by Geomatrix Systems.

1. Layout system
2. Prepare site and remove any trees with a drip line falling within 10 feet of the leaching system.
3. Excavate trench to specified elevation and a minimum of 66" wide.
4. Rake/scarify sidewall and bottom of trench to address any smearing of fines, and then do not walk in trench bottom.
5. Install a minimum of 2" of ASTM C-33 sand or CT approved select fill (select fill) in the bottom of the excavation and rake the sand bed level.
6. Set string and place wood strips along both sides of system location.
7. Set the GST forms on top of wood strips.
8. Place ASTM C-33 sand into void space between trench sidewall and GST form, including the area between what will become the stone fingers and uniformly compact in 4" lifts.
9. Place clean CT DOT #6 stone into the interior of the GST form.
10. Pull first form and "leap frog" GST form ahead of last GST form.
11. Repeat sequence until desired trench length is installed.
12. Ensure that sand and backfill materials are compacted to prevent settlement.
13. Install distribution piping on top of, and in the center of, the GST leaching system.
14. Place stone around the distribution pipe.
15. Put approved filter fabric over the system.
16. Backfill system to ensure that uniform cover and compaction exists over the top of the system (a minimum of 6" of cover is required). When GST is installed below areas subject to H-20 loading, 12" of cover is required.
17. Finish grade over the system should ensure that storm water and sheet flow are diverted away from the leaching system, septic tank and pump tank if present.
18. Seed grass over disturbed area.
19. Maintain the area to prevent against tree roots from impacting the system.
20. Properly service the septic tank every 3 – 5 years or as advised by the regulatory agency or your service provider.
21. Fix leaking plumbing fixtures immediately.

Notes: If the GST is to be installed under an area where vehicle traffic is likely, a minimum of 12" of cover and a load distribution system is recommended to prevent soil compaction adjacent to the infiltrative surface.

Discharging a garbage disposal and/or water softener into septic system and GST leach field is NOT recommended.

Any questions call Geomatrix Systems 860-663-3993