

## **Geomatrix GST™ 37 & 62 Series Leaching System Installation Instructions**

**These instructions serve as a general overview for the installation of Geomatrix Systems GST Leaching System. These installation instructions, associated drawings and all applicable standards and regulations of the Connecticut Department of Public Health should be strictly adhered to.**

**Contact Geomatrix for non-residential applications and systems  
that are over 2,000 gallons per day.**

**Geomatrix Systems, LLC (Geomatrix) advises Designer, Installer and Owner of the Geomatrix Leaching System that oxygen transfer rates should be evaluated to ensure sufficient oxygen is available for the leaching system to operate properly for the actual wastewater flow and strength. Geomatrix advises that when oxygen is limited, proper treatment and long term hydraulic function are jeopardized.**

**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 a depth that is at least 2" below the base elevation of the GST to accommodate a minimum of 2" of sand. Trench width should be a minimum of 45" for the GST 37 series and 70" for GST 62 series.
4. Rake/scarify sidewalls and bottom of trench to address any smearing of fines, and then do not walk in trench bottom.
5. Place a minimum of 2" of ASTM C-33 sand or approved equivalent (sand) in the bottom of the excavation to serve as base for GST, rake and level and uniformly compact. If a 2" lift of sand is present simply walking on it should provide sufficient compaction.
6. Set the GST forms in center of trench
7. Place covers over entire center stone channel and alternating stone finger compartments.
8. Place sand into void space between trench sidewall and GST form. Also fill the sand finger voids in the forms and uniformly compact.
9. Remove all covers from over entire center stone channel and stone finger compartments.
10. Place clean CT DOT #6 (3/4") stone into the interior of the GST form
11. Pull first GST form and "leap frog" form ahead of the last GST form.
12. Repeat sequence until desired trench length is installed.
13. Ensure that sand and backfill materials are compacted to prevent settlement
14. Install approved distribution piping on top of the 12" central stone channel.
15. Place stone around the distribution pipe.
16. Put approved filter fabric over the system.
17. 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, see Note below.
18. Finish grade over the system should ensure that storm water sheet flow is diverted away from the leaching system, tank(s) and pump tank(s) if present.
19. Seed and hay disturbed area. The use of wood chips as cover material is NOT recommended.
20. Maintain the area to prevent tree roots from impacting the system.
21. Properly service the septic tank every 3-5 years; or as advised by the regulatory agency or your service provider.

Note: If the GST is to be installed under an area where vehicle traffic is likely, a minimum of 12” of cover is recommended. A geogrid such as Tensar BX1100 or equal can also be utilized. Refer to the Geomatrix GST maintenance recommendation for care of system.

Any questions call Geomatrix Systems, LLC at 860-510-0730  
or visit our website [www.geomatrixsystems.com](http://www.geomatrixsystems.com)