



GeoMat™ System Installation Form

Installer Information

Name: _____ Date: _____
Company : _____ Address: _____

Site Information

Street Address: _____
Dates of install: _____
Property Owner: _____ System Type: New Build Replacement
Model # of GeoMat™: _____ System Sizing Sqft: _____
Number of Laterals _____ Length of Laterals _____
Number of Bedrooms: _____ Design Flow: _____ GPD
Permit #: _____

Materials for System Installation Supplied by Others

- | | |
|---|--|
| <input type="checkbox"/> Septic tank which meets all applicable standards | <input type="checkbox"/> Miscellaneous fittings (couplers, caps, elbows, Etc.) |
| <input type="checkbox"/> Pump tank which meets all applicable standards (If required) | <input type="checkbox"/> Two part solvent /glue |
| <input type="checkbox"/> Piping for wastewater transport and distribution | <input type="checkbox"/> Stakes and flags |
| <input type="checkbox"/> Distribution box or manifold (if required refer to design) | <input type="checkbox"/> Mason's string or marking paint |
| <input type="checkbox"/> Air supply piping (If required) | <input type="checkbox"/> Caution Tape |
| <input type="checkbox"/> Specified sand and topsoil | <input type="checkbox"/> Seed and Hay |

Materials for System Installation Supplied by Geomatrix

- | | |
|---|--|
| <input type="checkbox"/> GeoMat | <input type="checkbox"/> Lateral spacers (GeoMat Vertical) |
| <input type="checkbox"/> Low Pressure Pipe* | <input type="checkbox"/> Pipe clips (GeoMat Vertical) |
| <input type="checkbox"/> GeoGuard™ Diffusers* | <input type="checkbox"/> SoilAir™ Blower^ |
| <input type="checkbox"/> Distal Head Ports* | <input type="checkbox"/> SoilAir Check Valve^ |
| <input type="checkbox"/> Pressure Filter* | <input type="checkbox"/> HyAir™ Pump System*^ |
| <input type="checkbox"/> Floats, weights & hangers* | <input type="checkbox"/> Access Riser Lids^ |
| <input type="checkbox"/> Control Panel* | |
| <input type="checkbox"/> Gravity Pipe | |

*Low Pressure Distribution(LPD) System Component ^Optional System add on

Installation Sequence

- Stake/fence off disposal area from traffic.
- Avoid working wet/moist soils that can more easily smear and compact.
- Install septic tank, pump tank, or pre-treatment unit (if applicable).
- Excavate system area to specified depth. Make sure bed or trenches are level.
- Scarify excavation area and sidewalls with rake in preparation for GeoMat.
- Scarify excavation area and sidewalls with rake in preparation for GeoMat.
- Place specified sand in trench or bed.
- Mark out lateral locations with Mason's string or marking paint.
- Rollout GeoMat and cut to desired length plus 6 inches.
- Cut out GeoMat core 3 inches from both ends.
- Insert lateral distribution piping into mat.
- If GeoMat Vertical fasten pipe into place with pipe clips, making sure orifices are oriented downwardly.
- If cleanouts or distal head ports are utilized, connect to distribution pipe before installing GeoMat.
- Using an Arrow P22 stapler (or equivalent), seal ends by stapling the top fabric to the bottom fabric, being careful to seal the fabric tightly around where the pipe enters and exits the GeoMat. Use sufficient staples to ensure that sand cannot enter the core
- Place GeoMat onto previously marked lines.
- Insert lateral spacers onto GeoMat Vertical to maintain center to center spacing while backfilling.
- Pitch pipe between the last orifice and distal port, back towards last orifice, to facilitate drainage.
- Connect GeoMat distribution pipe to septic tank, pressure manifold, distribution box, pump chamber, as applicable.
- (Optional) SoilAir™ supply line is installed by teeing into the distribution piping, preferably downstream of the septic tank or pump tank, at an elevation equal to or higher than the bottom elevation of the GeoMat.
- If LPD system, with laterals at different elevations, set uniform distal head pressure by adjusting balancing valves.
- Backfill should be started by hand to prevent movement of GeoMat and piping.
- If GeoMat Vertical pack sand in 6" lifts between laterals using a 2x4.
- Final cover backfill material for placement over the sand should be clean and free of stones larger than 1½" and debris.
- Heavy equipment should be kept off the system. If unavoidable, a tracked machine with a ground pressure not exceeding 2.5 psi may be utilized, with the use of ¾" plywood over the system as support to cross the system if a minimum of 12" of specified material is over the internal GeoMat distribution piping.
- Final Cover material above laterals should be between 6-24".
- Cover material should be graded to direct storm and surface water away from the system. Seed and mulch disturbed area immediately after installation to stabilize soil.

INFORMATION

In accordance with this technology approval, or each new or replacement installation, Massachusetts installers of GeoMat™ systems must complete and fax or e-mail a copy of this form to the local approving authority and to: Geomatrix authorized agent listed below.

Geomatrix Systems, LLC
114 Mill Rock Road East
Old Saybrook, CT 06475
Fax:860-510-0735
Phone: 860-510-0730

www.geomatrixsystems.com / www.soilair.com