

Staked Silt Barrier for Erosion Control

Our Staked Silt Barriers help protect local environments, intake equipment, and waterways by reliably containing or diverting erosion runoff.



Product Summary

GEI Staked Turbidity Barriers are an excellent option for handling silt control. They are often implemented as a reliable stormwater BMP on construction sites with stormwater runoff or sheet flow. Once the barrier is secured with wooden stakes or rebar, these barriers effectively redirect sediment, silt and contaminated stormwater, allowing it to settle or collect according to your site design and topography.

Benefits

- Compact
- Easy to Install
- Effective Runoff Control
- Visually Prominent
- Economical
- Meets or Exceeds Most State DOT Requirements

Applications

- Construction Sites and DOT Projects
- Drainage Ditches
- Retention Ponds and Shallow Lakes
- Canals
- Protected Marshes
- Stormwater Swales

Staked Silt Barrier Specifications

Spec	Measure
Length	100' Rolls-Standard Sections
Height	44.5"
Fabric	13, 18, or 22 oz. PVC
Color	Safety Yellow
Connectors	Staples or Nylon Ties (Not Included)
Load Carrying Components	Stakes (Not Included)



Installation Instructions

The staked silt barrier can be easily installed for quick and efficient sediment control as a best management practice (BMP) for your site. Simply follow these step-by-step instructions:

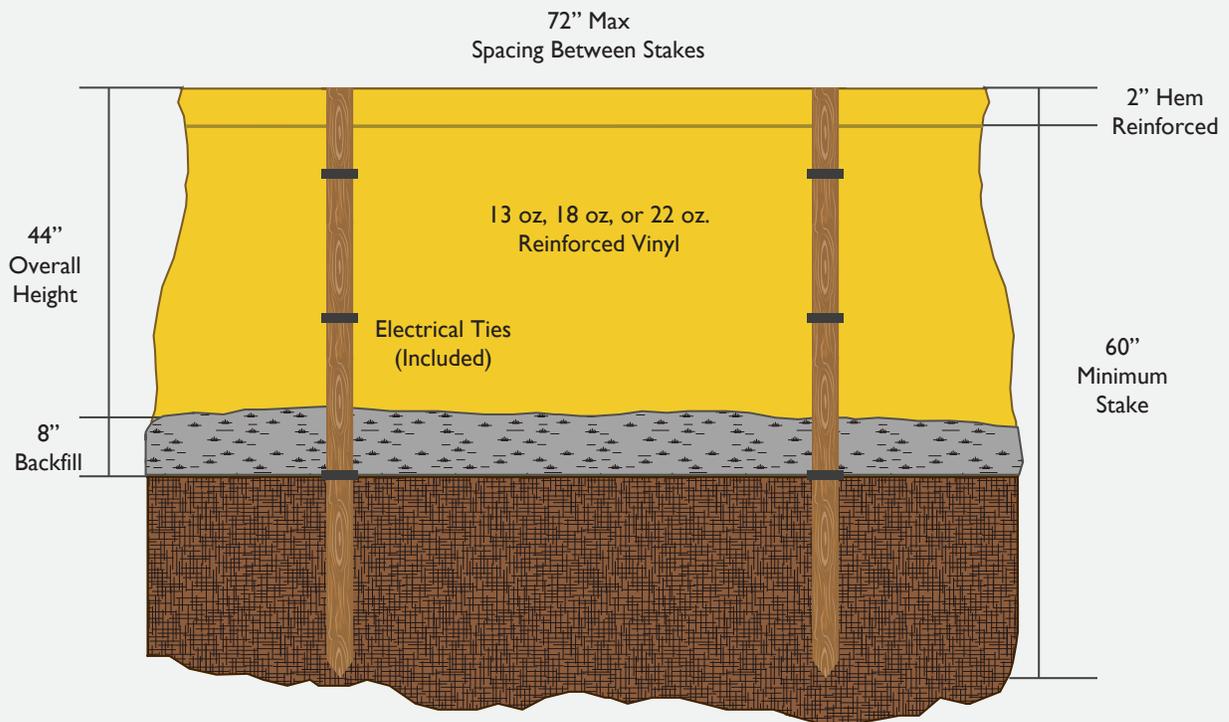
1. Dig an 8" deep trench along the desired flow control path, placing fill on up slope side of trench.
2. Install sturdy hardwood stakes or rebar (not included) on 6' centers maximum on the down slope of the trench, protruding 36" above the gradient.
3. Unroll the PVC material (hemmed edge on top), and attach the top 36" to the stakes with staples or nylon ties, leaving 8" of material in the trench.
4. Finish installing entire run, digging the desired diversion flow path and trench. Then backfill the 8" trench, also trapping the bottom 8" of the silt barrier. This creates a runoff seal and enhances the staked silt barrier's impermeability and effectiveness.

Maintenance

It is important to develop a maintenance schedule for periodically inspecting and maintaining your staked silt barrier. A well-maintained barrier increases effectiveness in stormwater runoff and erosion control. Remember to do the following:

- Inspect for Gaps or Tears in PVC Material
- Remove Accumulated Sediment per SWPPP
- Adjust Stakes That May Have Shifted or Fallen
- Reposition Stakes If Site Conditions Change

Staked Silt Barrier Drawing



Drawings are for illustrative purposes only. Not to scale.
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Natural forces such as current, wind, waves, and location affect your product and may require engineering, additional anchoring, and customization.