



SWPPP Cut Sheet

Last Updated: 1-1-08

Section 2: Storm Water Management – Post Construction

2.11 Filtrex Compost Grouting™ *Runoff Control and Vegetation Technology*

PURPOSE & DESCRIPTION

Filtrex Compost Grouting™ is a seeded organic media used to **establish permanent vegetation within the interstitial void spaces of rip rap** armoring systems. Compost Grouting™ can be used to:

- Vegetate rip rap and similar hard armoring systems to mimic soft armoring systems;
- Increase wildlife habitat, restore ecosystems, and increase landscape aesthetics;
- Increase sediment and soluble pollutant removal efficiency of rip rap systems;
- Reduce runoff volume and pollutant loading of runoff flowing through rip rap systems;
- Increase stability and erosion control capability of rip rap system;
- Absorb water from ground water seeps and subsurface flows on a limited basis.

APPLICATION

Filtrex Compost Grouting™ is surface applied to rip rap void areas at a depth of 2 in (50mm) or 270 yd³/ac (513 m³/ha). Compost Grouting™ is used where reduction of storm water runoff, removal of sediment and soluble pollutants from runoff, or permanent vegetation is desired to improve water quality, enhance landscape aesthetics, or mimic natural ecosystems. Compost Grouting™ is only applied after land disturbing activities have ceased and rip rap has been correctly installed.

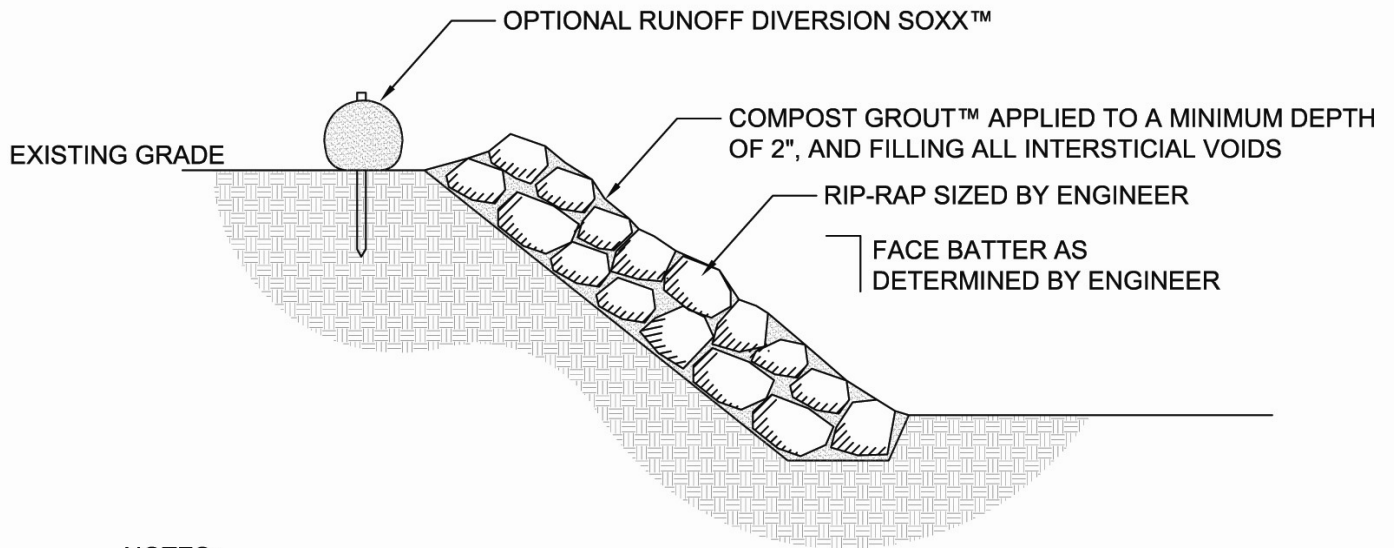
INSTALLATION

1. Compost Grouting™ used for rip rap fill and vegetation establishment shall meet Filtrex Compost Grouting™ Specifications and use Filtrex GrowingMedia™.
2. Contractor is required to be a Filtrex Certified™ Installer as determined by Filtrex International, LLC (440-926-2607 or visit website at www.filtrex.com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current list can be found at www.filtrex.com). Look for the Filtrex Certified™ Installer Seal.
3. Compost Grouting™ will be placed at locations indicated on plans as directed by the Engineer.
4. Rip rap shall be installed and stabilized prior to application of Compost Grouting™.
5. Compost Grouting™ shall be applied to 100% of the void spacing between rip rap aggregate/stone and where permanent vegetation is required.
6. Additionally, Compost Grouting™ may be applied over surfaces of rip rap/stone; however, application may not be as stable.
7. Compost Grouting™ shall be applied at a minimum depth of 2 in (50mm) or at a rate of 270 cubic yards/ac (513 cubic m/ha). Additional Compost Grouting™ may be applied to sufficiently fill all void/interstitial spaces within rip rap armoring system.
8. Seed shall be thoroughly mixed with the GrowingMedia™ prior to application or surface applied to GrowingMedia™ at time of application. Seeding is only required for surface layer if Compost Grouting™ is used to fill deep void/interstitial areas.
9. Compost Grouting™ shall not be installed in areas of severe concentrated runoff flow, including channels and ditches.
10. Runoff Diversion Soxx™ may be temporarily installed above/upslope from Compost Grouting™ applications while vegetation is undergoing establishment.

INSPECTION & MAINTENANCE

Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. If rilling occurs, GrowingMedia™ has washed, or vegetation does not establish, the area of application should be reapplied with Compost Grouting™. If failure continues, the use of runoff diversion devices may be considered until permanent vegetation is established. If diversion devices are used, runoff should be directed to areas that have been stabilized, infiltration zones, or containment systems. Permanent vegetation practices should always be inspected for noxious or invasive weeds.

1. The Contractor shall maintain the Compost Grouting™ in a functional condition and it shall be routinely inspected until vegetation is established.
2. Compost Grouting™ shall be maintained until a minimum uniform 70% cover of the applied area has been vegetated or as required by the jurisdictional agency.
3. Compost Grouting™ may require regular irrigation during hot and dry weather, or arid and semi-arid climates to ensure permanent vegetation establishment.
4. Where a Compost Grouting™ fails, rilling occurs, or vegetation does not establish the Contractor will repair or provide an approved and functioning alternative.
5. If Compost Grouting™ is damaged by storm water runoff, installation of temporary runoff diversion devices above the Compost Grouting™ may be required.
6. No additional fertilizer or lime is required for vegetation establishment and maintenance.



NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. RIP-RAP TO BE SIZED BY ENGINEER.
3. ALL COMPOST GROUT™ TO BE SEEDED PER LANDSCAPE ARCHITECT'S SPECIFICATIONS.
4. COMPOST GROUT™ SHALL FILL ALL VOIDS BETWEEN RIP-RAP.

FILTREXX® COMPOST GROUT™

NTS