

The Geosource **Technical Guide**

When to use a TRSB

- For use when significant water flows require construction site storm water retention.
- For use on Construction sites with soils having small particle sizes-clays, silts, etc.
- For use when drainage on a site drains into sensitive areas-wetlands, waterways, etc

Why

- To discharge acceptable storm water into water bodies of the state
- To remain in compliance of the Clean Water Act
- To avoid the use of more costly filtering systems

Ask your local ASP Representative for more information.

ASP Turbidity Reduction Sediment Basin (TRSB)

Description: In an effort to improve the quality of storm water discharging off of construction sites, ASP has combined the advanced technology in both the storm water discharge method and with water clarification treatment products to bring you a combined solution-The TRSB. Only ASP has the technical background with 3 CPESCs on staff and the network of products and contacts of regional experts to bring this to you. The concept is first we treat the storm water with biodegradable flocculant to flocculate the fine sediment currently in suspension. Then we create a collection system, without requiring filtering, that will remove 80-90% of those flocculated particles before it leaves the basin. The idea is simple but very effective. Come see for yourself at www.aspent.com.



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Components

- **Swale**

C-350 composite TRM for vegetated swale or impermeable liner for short term basins, Georidge, Flocculant Bags

- **Basin**

Wire Backed Silt fence, Faircloth Skimmer, anti-seep collar, biodegradable mat for baffle option, erosion blanket or Flexterra Flexible Growth Medium for vegetated slopes

- **Emergency Spillway**

C-350 composite TRM or geotextile fabric and rip rap

Miscellaneous

PVC pipe, staples, seed

Vegetation

Seeding as necessary for stabilization and filtering



One option is for a vegetated channel going into the basin



Another option is to utilize a impermeable liner in the swale

