

ERTEC Environmental Systems

Protecting the Integrity of Global Lands and Waterways™

Case Study Perimeter Guard™ ProWattle™



- > Lower Project Costs
- > Better Performance



Velocity check for swale or channel



Swale Protection



Application:

Golf Course Construction

Product:

ERTEC Perimeter Guard™ & ProWattle™

Customer:

Aetna Springs Golf Course, Pope Valley, CA

Engineer:

Summit Engineering, Santa Rosa, CA

SWPPP Planner:

Lucinda Dustin, Sacramento, CA

Perimeter Guard and ProWattle are tested, patented, **high performance** and **low cost** systems for construction sites which:

- Significantly reduce off-site sedimentation
- Provide erosion control
- Provide a velocity check for channels and swales

Perimeter Guard & ProWattle:

- Are an important part of a comprehensive BMP system to keep soil in place
- Allows water flow-through and significantly reduces water velocity while providing particle filtration
- Are made from durable and recyclable HDPE
- Are reusable for 4+ years



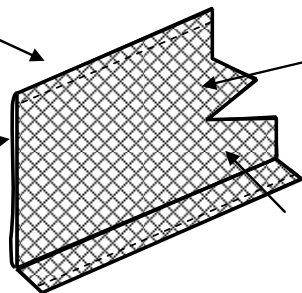
The Challenge: Current best practice is to use either silt fence or wattles to keep sediment from moving off-site. In this application, wattles and silt fence can become ineffective by allowing damming and undercutting. As the straw or fence material decays, storm water flow-through and overtopping becomes common. It is also undesirable to trench into the playing areas. Golf course construction projects often last 18 months or more and it is common for a large percentage of the wattle or silt fence installation to be require maintenance or replacement. It is also desirable to relocate and reuse the BMP as construction progresses through the phases.

Results: "ERTEC performed very well this year. Installation was quick and easy. ERTEC field service personnel trained the installer and supported the installation. The county inspector was happy with the performance. Because of the long-term endurance of the product, and quick installation the economics were favorable to alternatives." - Demae Rubins, Project Manager—Summit Engineering.



Anchored with 6" nails
Reinforce vertical with wooden
stake at overlaps on slopes
greater than 2:1

HDPE Particle filter
spreads flow.



HDPE netting outer jacket

Flow direction



ERTEC Environmental Systems

1150 Ballena Blvd. Suite 250, Alameda, CA 94501
phone: 510-521-0724, fax: 510-521-3972
sales@ertecsystems.com, www.ertecsystems.com