

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study ProWattle™



- > Lower Project Costs
- > Better Performance
- > R R R™

- ✓Recycled
- ✓Reusable
- ✓Recyclable



Application: Golf Course Construction
Product: ERTEC ProWattle™
Customer: Aetna Springs Golf Course, Pope Valley, CA
Engineer: Summit Engineering, Santa Rosa, CA
SWPPP Planner: Lucinda Dustin, Sacramento, CA
Project Date: Winter 2006/2007

ERTEC ProWattle™ is a patented, **high performing, low cost, and high environmentally sustainable** system designed to protect slopes from erosion during construction. ProWattle™ dramatically reduces logistics, installation and maintenance costs. ProWattle™ is fast to install and unlike fiber rolls (wattles), it spreads rather than concentrates flow.

ProWattle™:

- Is part of a BMP system to protect slopes or ditches
- Designed to spread flow and eliminate undercutting
- Is made from post consumer recycled HDPE
- Easy to reuse (and recycle at the end of life)



Velocity check for ditch or channel

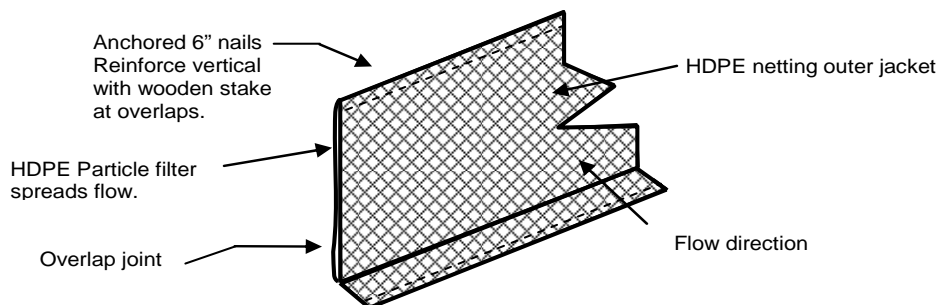


Ditch Protection



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.



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Several U.S. and Int'l Patents apply

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