

PERIMETER CONTROL, WATER LINE GREATER DENVER, CO



Problem



Solution



Result

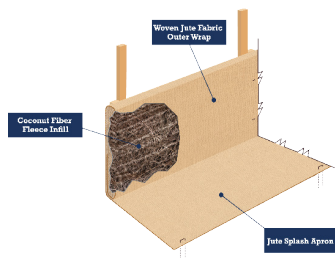
Application: Sediment Perimeter Control
Product: WattleFence

Site Issues: Sediment perimeter control • Sediment intrusion • Biodegradable • Maintenance cost reduction • No equipment

Problem: When the time came for a new water line through municipality Denver Water (Colorado) to be installed, a sediment control perimeter device was needed to protect the limits of disturbance from sediment intrusion. Bowman Construction Supply out of Denver, CO worked with their contractor Powell Restoration to submit approximately 4,000 LF of WattleFence for approval in lieu of traditional silt fence and standard straw wattles.

Solution: The WattleFence is a completely biodegradable sediment control device that combines the best features of wattles and silt fence creating an unique and powerful tool to contain sediment-laden flows on site. WattleFence is constructed using a fleece of coconut fiber that is folded into a woven fabric with an upstream apron. Once staked in place, the WattleFence forms an L-shaped barrier to filter water without requiring trenching during installation. The approval for use on this project was based on the WattleFence being a completely biodegradable alternative to traditional silt fence, with the addition of better performance and easier shipping and installation than standard straw wattles. Because of the compact size of the WattleFence, all of the WattleFence for the project was delivered on three pallets using pick-up trucks. The equivalent amount of straw wattles would have required half of a semi-truck load. Additionally, the 100 LF units of WattleFence are easily handled by hand without requiring equipment for transport on site or during installation.

Result: Powell Restoration was able to install the WattleFence quickly, with minimal staff and installation equipment. No trenching was required! Colorado DOT was very interested in the project and came out to observe. Because of the success of the WattleFence install, they have since specified WattleFence for future projects requiring the biodegradability and performance that WattleFence offers.



PRODUCT HIGHLIGHTS

- WattleFence is 100 percent biodegradable utilizing a natural fiber fleece and jute fabric wrap.
- WattleFence provides similar or better sediment and turbidity reduction compared to straw wattles and silt fence.
- WattleFence has a unique apron and wood staking; offering an easy, no trench installation.