

## GEOWEB® Channels

### Soil Stabilization System

GEOWEB® channel protection systems with vegetation are permeable, low environmental impact solutions for channel stabilization and erosion control of stormwater channels, ditches and swales.

## Sustainable Environmental Contributions

The benefits of designing GEOWEB® channels for sustainable, green building initiatives including Low Impact Development (LID) and Green Infrastructure (GI) are noted below.



### Energy Use

- ◆ Vegetated channels in a built environment are cooler alternatives than concrete channel systems—reducing the negative heat island effect.
- ◆ Vegetated tiered channels ship in compact bundles compared to higher volume MSE wall systems—less delivery emissions.



### Resource Savings

- ◆ Local fill materials in tiered channel systems virtually eliminate need for quarried and processed resources required by large rip rap or concrete channel systems.
- ◆ Alternative technologies require higher carbon footprint to process and manufacture.



### Land Use

- ◆ Tiered channel systems allow embankments to be designed steeper—reducing horizontal land footprint.



### Water Benefit

- ◆ Permeable & open vegetated channel face infiltrates/filters surface runoff from hard pavements—keeping pollutants out of the waterways.
- ◆ Tiered channel systems allow steeper, deeper embankments to accommodate higher water volume to mitigate flooding.
- ◆ Inert material will not leach or breakdown, keeping harmful materials from entering waterways.

**PRESTO**



Appleton, Wisconsin USA | Ph: 800-548-3424

E: [www.prestogeo.com](http://www.prestogeo.com)

**Learn More About**  
GEOWEB® Channels



## Helpful Resource Links

[GEOWEB Channel Design Package >>](#) [LEED® Green Building Overview >>](#)

[Free Project Evaluation Service >>](#)