

HIDDEN BENEFITS

GEOWEB® Channels

Soil Stabilise 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.



[Learn More About
GEOWEB® Channels](#)



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Helpful Resource Links

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[Free Project Evaluation Service >>](#)