

GEOWEB® Walls

Soil Stabilization System

GEOWEB® retaining walls are permeable, low environmental impact solutions for naturally-vegetated steepened slopes, reinforced and gravity wall systems.

Sustainable Environmental Contributions

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



Energy Use

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



Resource Savings

- ◆ Local fill materials virtually eliminate need for quarried and processed resources required by concrete/modular block MSE wall systems.



Land Use

- ◆ Near vertical system allows embankments to be designed steeper—reducing horizontal land footprint.
- ◆ Light-weight design allows wall system to tolerate reasonable differential settlement in soft soil environments without over excavation for footings.



Water Benefit

- ◆ Permeable & open-celled vegetated wall face infiltrates/filters surface runoff from hard pavements—keeping pollutants out of the waterways.
- ◆ Inert material will not leach or breakdown, keeping harmful materials from entering waterways.



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GEOSYSTEMS®

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**Learn More About
GEOWEB® Walls**



Helpful Resource Links

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

[Free MSE Wall Design Software >>](#) [Free Project Evaluation Service >>](#)