

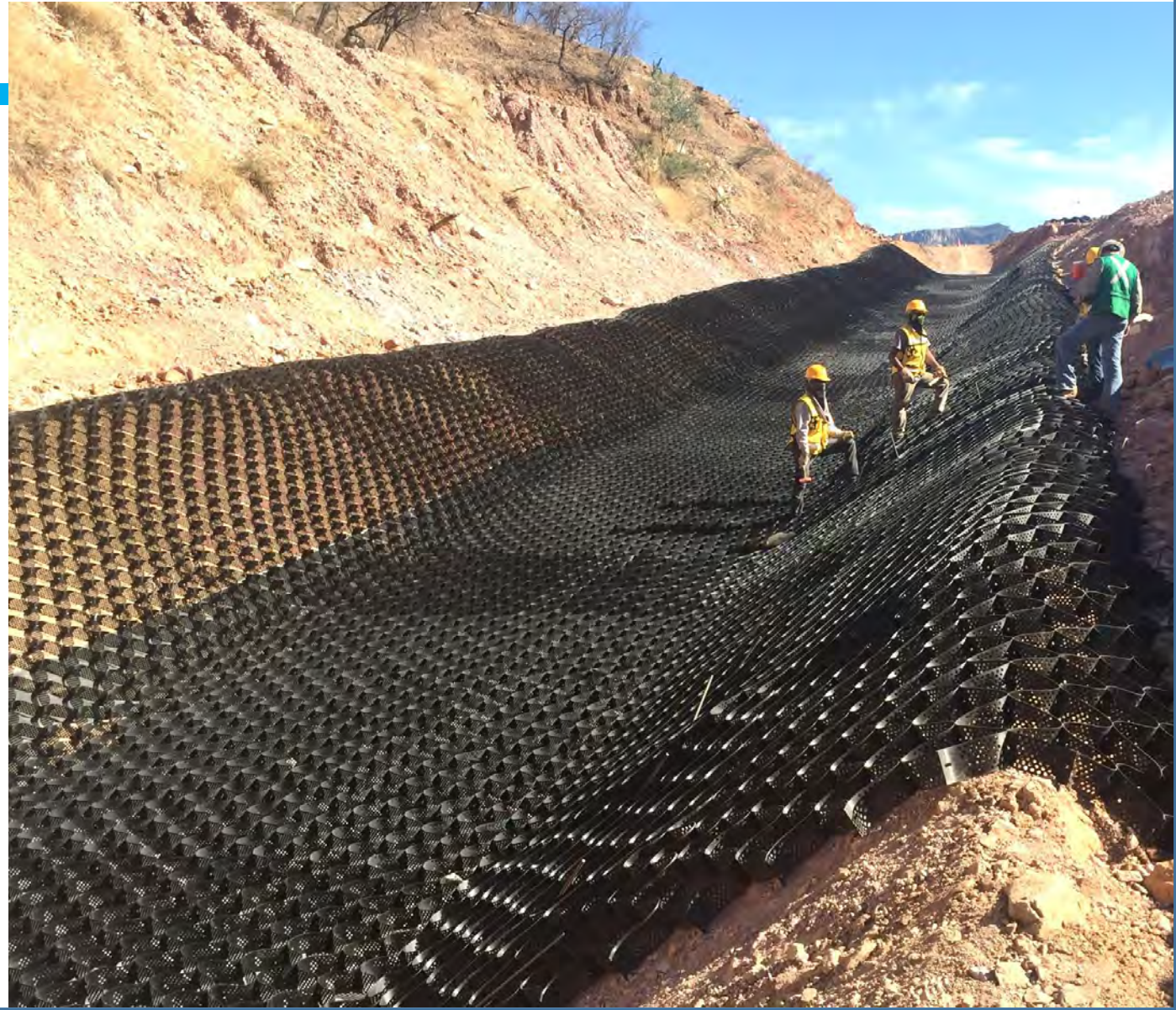
PRESTO



Channel Stabilization

GEOWEB®
Channel Protection System

Construction
Resource Package





PRESTO



GEOSYSTEMS

GEOWEB[®]
Channel Stabilization System

Install Resources

What You Will Find

[Learn About GEOWEB® Channel Protection](#)

[Complete System Accessories](#)

- [ATRA® Keys](#)
- [ATRA® Anchors & Drivers](#)
- [Tendons & ATRA® Tendon Clips](#)

[Installation Resources + Video](#)

[Watch How-To & Project Videos](#)

[Evaluate Your Site](#)

[Construction Training & Oversight](#)

[See Markets & Industries](#)

[Get a Material Estimate](#)

Support resources for a
successful project.



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GEOSYSTEMS®



Install Resources
for your project



What is the GEOWEB System?

Get Familiar with the 3D System

See how the GEOWEB® system is installed for channel protection:

- [Overview Brochure](#)
- [Visit our Photo Gallery](#)
- [See Project Case Studies](#)



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Design Resources
for your project



Channel Infill Options



VEGETATED CHANNELS



AGGREGATE CHANNELS



CONCRETE CHANNELS

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Install Resources
for your project



Is Installation Weather Dependent?

All Weather Material

GEOWEB® projects are installed in extreme temperatures and weather--from the coldest to the hottest regions of the world.

Rain or snow—keep your crews working through any weather condition.



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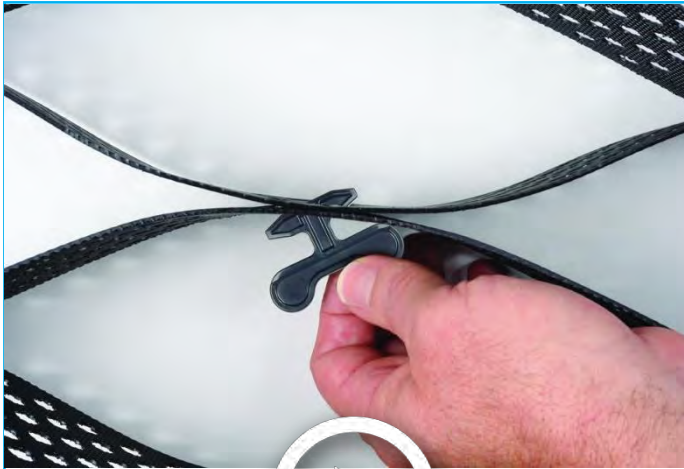
GEOSYSTEMS®



Install Resources
for your project



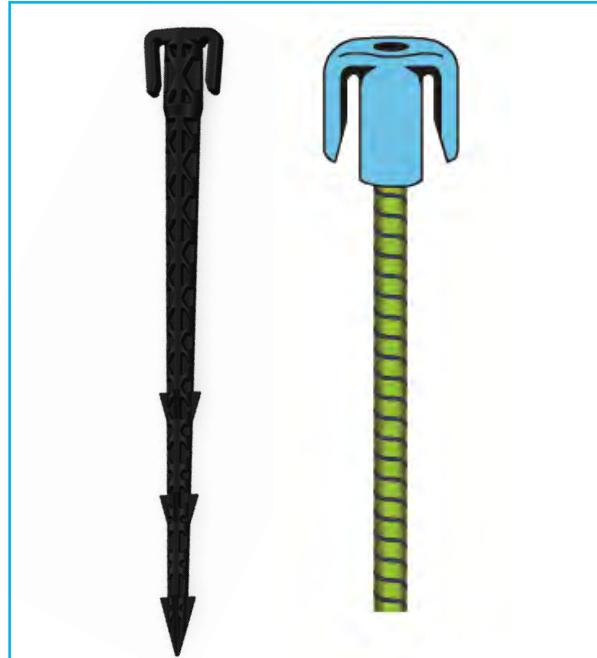
Are these Accessories on your Project?



ATRA® Keys

Fast Section Connection

[Download Spec](#)



ATRA® Anchors

Corrosion-Resistant Anchors

[Download Spec](#)



ATRA® Drivers

Fast Anchor Driving Tool

[Download Spec](#)

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GEOSYSTEMS®



Fastest Way to Connect GEOWEB Sections



ATRA® Keys

Connect GEOWEB Sections
Fast & Efficiently

Faster than Stapling & Non-Corrosive
Side to side and end to end
connections

LEARN MORE



ATRA® Keys



3X Faster
than Stapling
Operations



PRESTO



Install Resources
for your project



The Key to Getting the Job Done Faster & Safer!



See how ATRA® Keys outperform
stapling 3:1 and will give you the time
advantage on your project.

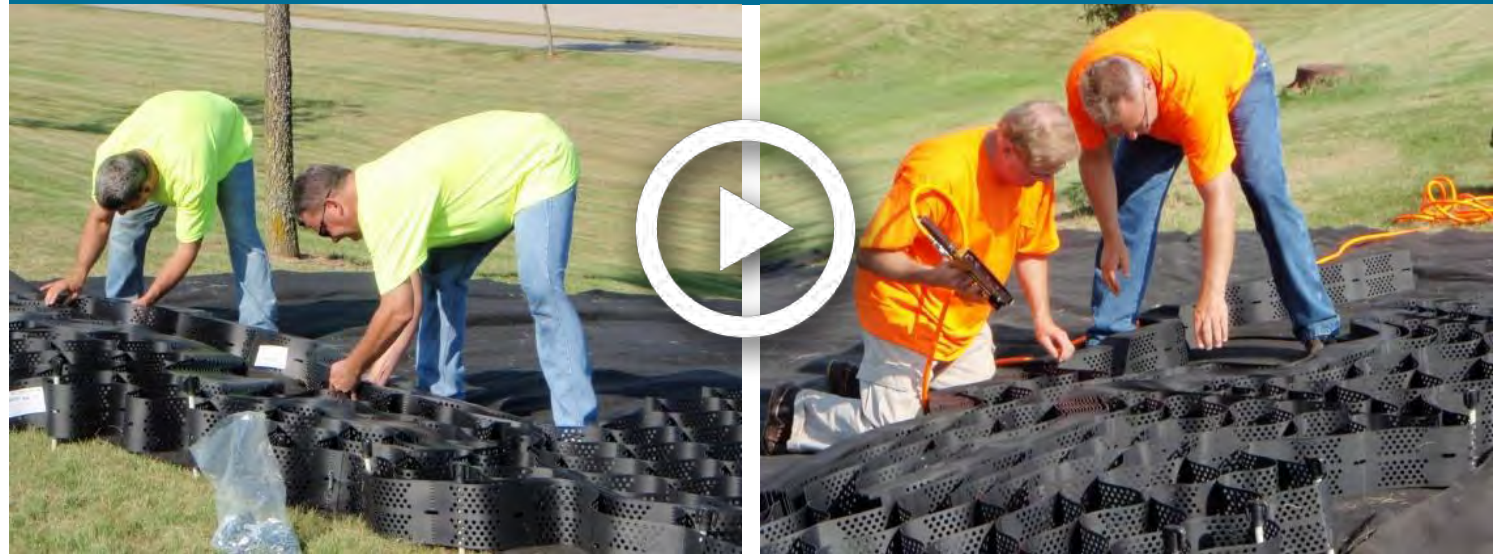
[See the time lapse video >>](#)

Download the
Comparison>>



COMPARE

Installation Speed of ATRA® Keys vs. Stapling



ATRA Key Connector

Stapling Operations

PRESTO



ATRA® Anchors & Drivers

LEARN MORE 

Corrosion-Resistant Anchors

Speed Stakes & Glass-Fiber Reinforced

Strongest hold-down; most secure cell wall connection.

ATRA® Anchors & Drivers



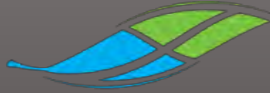
10X
Faster
Driving
Tool

than sledge
hammering



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Design Resources
for your project

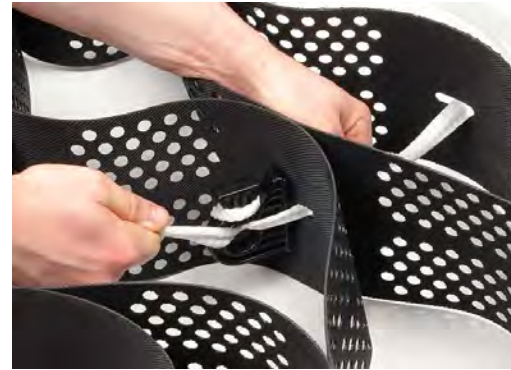


Tendons & ATRA® Tendon Clips

Fully Integrated for Performance

GEOWEB® projects may require tendons and ATRA® Tendon Clips as **critical integrated components** for securing sections over steep slopes, soils that are difficult to penetrate with anchors, and over impervious liners.

See How to Install Tendons
& ATRA Tendon Clips



PRESTO



Watch Short Install Videos

See how the GEOWEB® channel system is installed in this quick step-by-step overview of the construction steps.

Channels with Anchors 

Channels with Tendons & Tendon Clips 





How do you Install it?

Review Installation Sequence

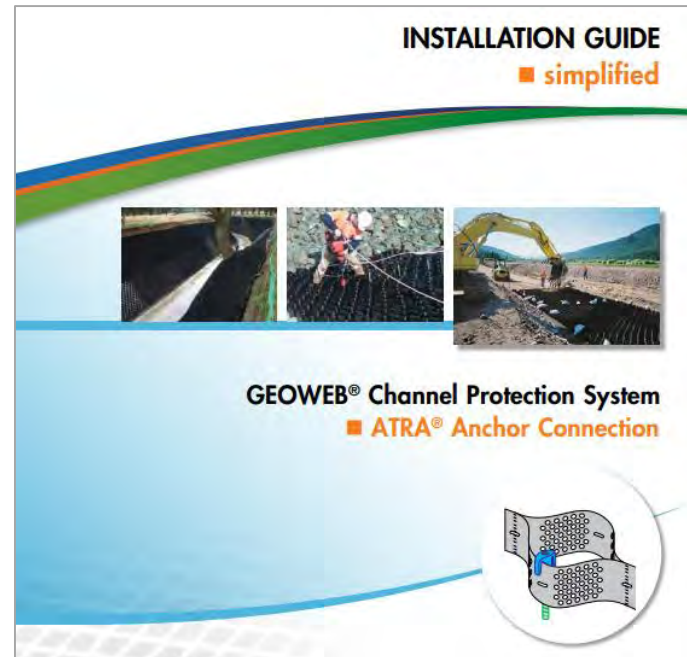
The GEOWEB® system is fast & easy to install. See simple installation in this step-by-step overview guide.

[Channels with Anchors](#)

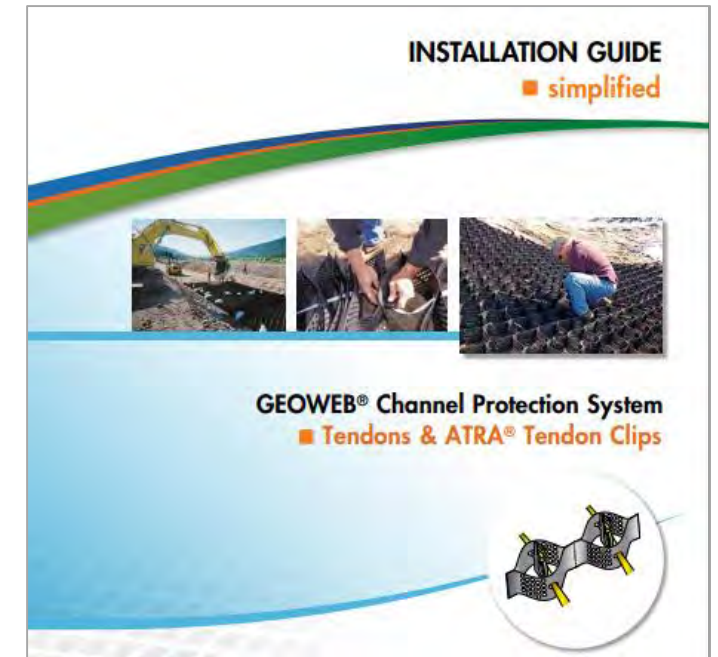
[Channels with Tendons & Tendon Clips](#)

Want to Learn More?

- [Read the Full Installation Guide](#)



Secured with
ATRA® Anchors



Secured with
Tendons & ATRA® Tendon Clips

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GEOSYSTEMS®



Let Our Knowledge Work for You

Our 40+ Years Experience Will Help You on Your Project

The GEOWEB® system is the original—and most advanced geocell on the market.

We developed the technology and advanced the technology.

We have the knowledge & experience to help you solve your site problems.

- [Learn about development of geocells >>](#)



G907-54



See Product in Action

[Visit our Video Gallery >>](#)



[Watch Cross-Section Animation >>](#)

[Watch Simple Installation Video >>](#)
(Anchors)

[Watch Simple Installation Video >>](#)
(Tendons & Tendon Clips)

[See Colorado Canal Project Installation >>](#)



Can it handle your Site Problems?

Let Us Evaluate Your Project

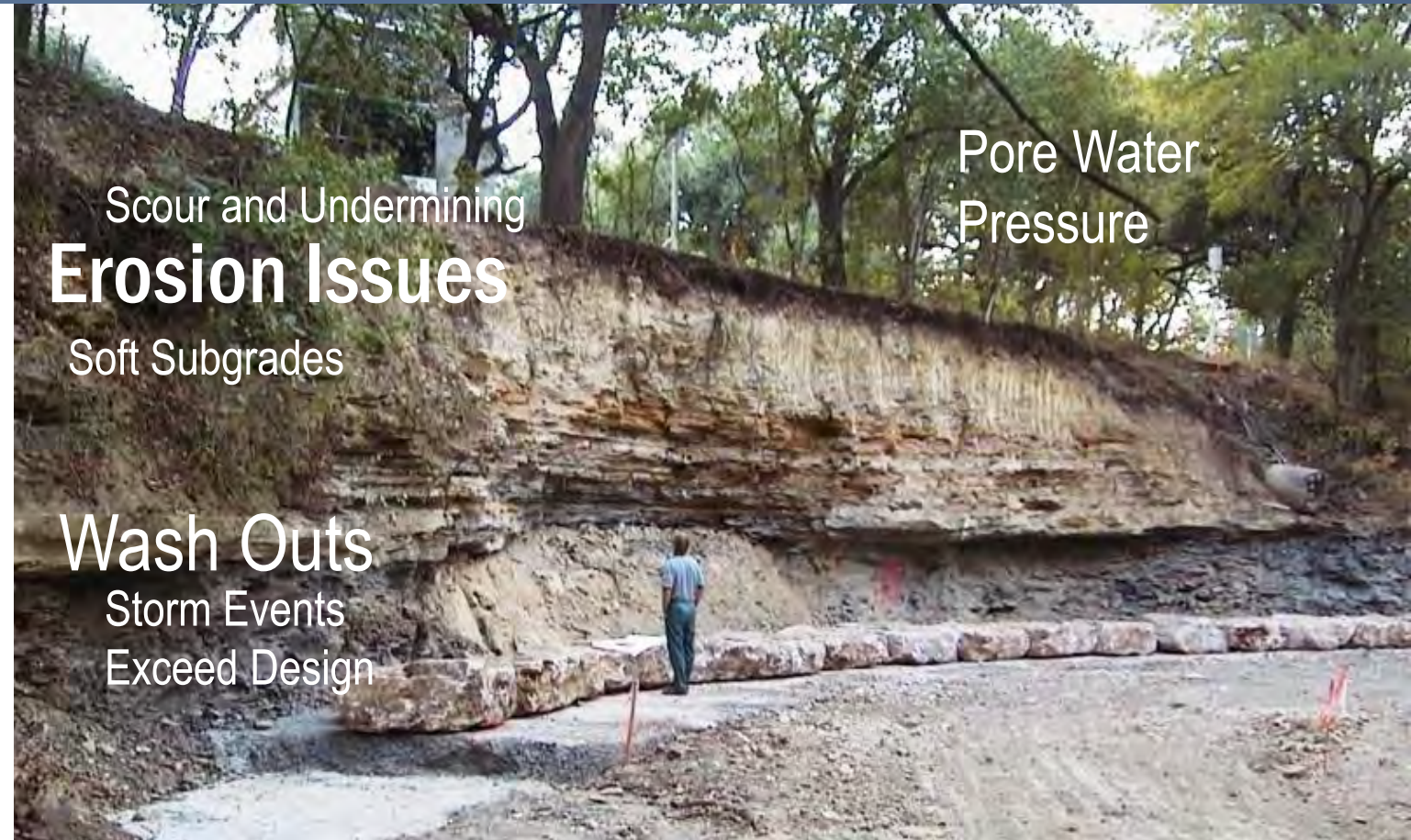
Your site has problems.

Scour, undermining and erosion problems caused by intermittent or continuous flows and insufficiently protected subgrades. Pore water pressure. Wash out of unconfined material. Unprotected liners. Storm events.

Will our solution work?

We can arrange a meeting to discuss your site and evaluate the feasibility of our solutions for your site challenges.

Email info@prestogeo.com to request a site evaluation.



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Install Resources
for your project



Can we help Train your Crews?

Learn Efficient Techniques
Before You Install
Pre-Construction Training.
Construction Oversight.

We can arrange to train your crew before installation—with pre-construction meetings and demos—and be there for on-site support during construction.

Email info@prestogeo.com to request construction site support.



Transforming Markets & Industries

See GEOWEB® projects
in action in a variety of
applications & industries.



PRESTO



Drainage / Parking Lot Runoff

Drainage Swales Natural Vegetation

- Build naturally-vegetated channels to protect low-flow drainage swales in place of maintenance prone rip rap.
- Build GEOWEB vegetated channels adjacent to parking lots and roads for natural runoff infiltration.
- The GEOWEB/TRM system can withstand velocities as high as 30 ft/s (9 m/s) and 16 psf shear stresses=7.5 times greater than unprotected channels.

LEARN MORE 

**7.5 Times
Greater Resistance**



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Drainage/Flood Volume Control

Stormwater Drainage Natural Vegetation

- Build deep multi-layered vegetated channels to maximize stormwater volume and mitigate flooding potential.
- Build vegetated channels for natural aesthetics instead of costly, higher-maintenance rip rap.



[LEARN MORE >>>](#)



**Lower Cost
Than Rip Rap**



PRESTO



Embankment Erosion Control

Streambanks

Natural Vegetation

- Build naturally-vegetated streambank embankments to resist erosive forces caused by water fluctuations and storm events.



Bank Erosion before Repair



Natural Erosion-Resistant

LEARN MORE 

GEOWEB Embankments
with Early Vegetation



PRESTO



Culvert Outfall

Stormwater Channel Natural Vegetation

- Protect culvert outfall area from scour and erosion caused by short-term, high-velocity flows & turbulence with naturally-vegetated upper embankments.
- Integrate coir fabric wrapped around the channel face to resist infill loss.



[LEARN MORE](#) 



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Conveyance Between Ponds

Stormwater Conveyance Aggregate

- Build low-flow conveyance channels and drainage ways with aggregate.
- Reduce bank erosion from water fluctuations and wave chop.
- Use decorative angular rock for aesthetic appeal.



[LEARN MORE](#)



**Less Washout
Confined Rock is Stable**



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Storm Event Flood Control

Peak Conveyance Aggregate

- Build flood control channels to accommodate high flow conditions during peak storm events.
- Aggregate fill offers low maintenance channel with lower cost, smaller particle size.



LEARN MORE



Smaller Rock Replace Larger, Expensive Rock



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GEOSYSTEMS

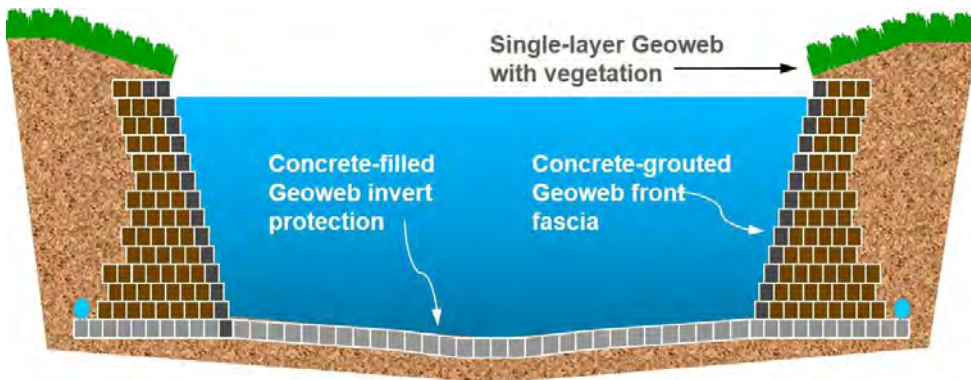


Narrow Profile Flood Control

Stormwater Channels

Mixed Infill

- Build space-constrained flood control channels with deep, narrow profiles to contain higher stormwater volume during peak events.
- Seamlessly integrate a single-layered vegetated upper embankment with tiered, hard-armored wall to the high water level for maximum resistance.



[LEARN MORE](#)



Seamless Ease of Construction



PRESTO



Flexible Hard-Armored Conveyance

Irrigation Canals Concrete

- Build hard-armored canals to protect liners, resist freeze-thaw expansion and contraction issues.
- Build low-maintenance 'flexible' concrete channels to flex and conform to minor subgrade movement without cracking.



LEARN MORE



Flexible Concrete
Virtually No Maintenance



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Control/Capture Parking Lot Runoff

Stormwater Runoff Concrete

- Build hard-armored channels adjacent to parking areas to control/capture runoff.
- Lower cost solution than reinforced or articulated concrete block systems-- No additional formwork or reinforcement required.



LEARN MORE



**Economical
Compared to Concrete
Alternatives**



PRESTO



Spillways / Pipe Discharge

Golf Courses

- Build concrete spillways at golf courses to direct stormwater flow to ponds.
- Protect pipe discharge areas with hard-armored system.
- More economical solution than reinforced concrete or articulated concrete block systems.



LEARN MORE



Flexible Form
No Extra Reinforcement



PRESTO



Stormwater & Process Channels

Mines

- Build flexible, hard-armored drainage & diversion channels to convey higher flowrates across tailings on mine sites.
- Use on-site aggregate fill and reduce rock size 10X for large project savings.



LEARN MORE



10X
Smaller Rock =
3-5X Lower Cost



PRESTO



High Flow-Flood Control

Railroads Stormwater Channel

- Build hard-armored flood control channels at rail sites to convey high flowrates and mitigate flooding potential.
- Protect impervious liners with a tendoned anchoring system (no puncturing anchors).



[LEARN MORE](#) 

**Save \$ on
Each Project
Fast Placement without
Extra Reinforcement**





PRESTO | **GEOSYSTEMS®**



Your Project is Important. See How We Can Help.

THE PRESTO ADVANTAGE

See how our advanced, adaptable geocells, porous pavers and mats put your project on track for success, and keeps your projects on time and on budget.

[WATCH THE VIDEO](#)





What is the Price?

Get an Estimate

Our global network of distributors and representatives will work with you to provide a price estimate.

[Find Local Distributor/Rep >>](#)





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GEO SYSTEMS®

GOWEB®

Channel Protection System

Design with Certainty.

Get answers to your questions and help with your design. Our solution will be tailored for your unique project and site challenges. You can rely on our experience, tools & resources to help you create a quality design package



**Certainty and Peace of Mind—
from project start to finish.**

Contact Us

1-800-548-3424 | www.prestogeo.com