

LOW-IMPACT SHORELINE EROSION CONTROL FOR A RESIDENTIAL PENINSULA PROPERTY

PORT HAYWOOD, VIRGINIA



PROJECT OVERVIEW

PROJECT / CUSTOMER:
Private Homeowner

LOCATION:
Port Haywood, Virginia

PRODUCT / SOLUTIONS:
NatrX ExoForms™

CHALLENGE:

A residential property owner hired a contractor to address shoreline erosion occurring on the peninsula of their property. They sought a cost-efficient and low-impact solution that seamlessly integrated with the environment.

SOLUTION:

The contractor determined that Natrx ExoForms™ were the perfect solution. In comparison to a traditional rock revetment, the ExoForms were less expensive, faster to install, and more visually appealing.

PRODUCT ADVANTAGES:

- Engineered to mimic natural marine forms, this nature-based solution provides habitat for coastal life to thrive.
- The living shoreline protection system dissipates waves, captures sediment, and stabilizes marshland.
- Teams can design the modular Natrx ExoForms™ to fit the site's needs and specifications.

PROJECT OVERVIEW:

A private homeowner lives on a peninsula in Port Haywood, Virginia. Their shoreline was experiencing significant erosion issues, so they hired a contractor to devise a shoreline protection plan that would blend seamlessly with the environment.

CHALLENGE:

Prevent additional shoreline erosion while maintaining a natural transition from the water to the marsh.

SOLUTION:

The homeowner desired a low-impact shoreline erosion control solution that blended with the natural environment. To determine the best approach, the plan included a section with traditional rock revetment and one with Natrx's low-profile WaveBrush ExoForms. This provided a side-by-side comparison.

In conclusion, Natrx ExoForms installed faster, protected more shoreline, and was more visually appealing. Furthermore, ongoing monitoring demonstrated that the marsh behind the Natrx solution was thriving, meanwhile the marsh behind the rock breakwater was not.

ARE NATRX EXOFORMS A COST-EFFECTIVE ALTERNATIVE TO TRADITIONAL ROCK STRUCTURES?

Natrx ExoForms are less expensive, easier to install, and more effective than traditional rock structures. In fact, ExoForms provide 3x more linear footage at a 1/3 of the cost and physical impact of a rock-based solution. Furthermore, they maintain a naturalistic visual landscape.

METHOD

In one week, the ExoForms were delivered and installed. Meanwhile, the portion of the project using traditional rock had distribution delays, and unfortunately, some of the rock materials were staged on the homeowner's property for months.

THE SOLUTION: FERGUSON WATERWORKS

Ferguson Waterworks seeks industry innovation, providing customers with new, efficient, and cost-effective solutions that support better results. We are more than your distributor; we are your supply partner. Let's discuss your next project and discover how we can help.

