

EACH LIVING SHORELINE DESIGN PRESENTS UNIQUE CONSTRUCTION CONSIDERATIONS AND CHALLENGES



PRE-CONSTRUCTION

Tidal and shoreline environments require applied, specialized experience; careful pre-construction planning; and understanding of site characteristics.

- » Review past living shoreline project experience to improve approach.
- » Assess tidal influences and elevation range, considering how tide cycles may affect work hours.
- » Consider bathymetry for water-side access on barge-based projects.
- » Evaluate substrate bearing capacity, both for heavy equipment during construction and for the built shoreline features (rock sills, soil lifts, revetments and other engineered hybrid designs).

DURING CONSTRUCTION

Actual conditions may require adjustment to permitted features, sequence of work, and methodologies (coir matting/logs, stone sills, marsh, back dune, culvert work, GI features, plantings, invasives control).

- » Develop collaborative relationship with project owner, engineer and agencies to tweak project design in response to actual project conditions, achieving optimal outcomes for wave attenuation, plant survival and shoreline protection.
- » Be diligent in maintaining plants during establishment periods.
- » High-energy environment and winter storms can cause in delays and unforeseen costs.
- » Assist partners with public outreach and updates.

POST CONSTRUCTION

- » Monitoring.
- » Structural repairs of storm and ice damage.
- » Invasive species management.
- » Re-plantings.
- » Credit project partners and thank community supporters.

The most successful projects are always completed in collaboration with a range of partners including - Project Owners, State & Federal agencies, Engineering Firms, and NGOs.

FOR MORE INFORMATION PLEASE VISIT:
WWW.SUMCOECO.COM

THE "BOTTOM LINE" CHALLENGE IS EXPECT THE UNEXPECTED: The energetic, dynamic environments for Living Shorelines can result in the need for flexible designs, adaptive management construction approaches and budget challenges.

IF YOU BUILD IT, YOU WILL LEARN.

