

ENVIRONMENTAL LEARNING CENTER

Client: Environmental Learning Center



The Environmental Learning Center (ELC) located in Wabasso, Florida is a 64-acre learning campus situated in the middle of the Indian River Lagoon. Coastal Tech has been supporting the ELC for nearly 20 years, even before the ELC center existed.

Coastal Tech prepared the site plan and designed the infrastructure including a 51 acre stormwater management demonstration project. The stormwater management facilities included a network of grassed lined swales for pre-treatment and a wet detention lake. Coastal Tech also prepared a St. Johns River Water Management District (SJRWMD) SWIM grant application for the demonstration project; this grant was approved. Coastal Tech provided construction supervision services through completion of Phase 3 construction. In 1993, this project was awarded the "Project of the Year" by the Cape Canaveral Branch of ASCE.

In 2001, a new phase of development began for the ELC. Coastal Tech designed a replacement for the canoe launch facility that also included a teaching platform and canoe storage facility. In addition, Coastal Tech designed "George's Trail" - an elevated wooden boardwalk through a mangrove forest and "George's Blind" a two person elevated platform for observation of wildlife along the Indian River. Coastal Tech also obtained permits from the St. John's River Water Management District, U.S. Army Corp of Engineers and the county and prepared a mitigation planting plan. Construction commenced in the spring of 2008. Currently, Coastal Tech is providing mitigation monitoring services.



Key Elements

- 51-acre Stormwater Project
- SWIM Grant App
- Canoe launch
- Elevated Wooden Nature trail
- SJRWMD and USACE Permits
- Conceptual, Preliminary, Final Design
- Construction Plans and Specifications
- Mitigation Monitoring

Date: Ongoing

Cost: \$1,700,000.

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Enhancing Coastal Life.