

INDIAN BEACH SHORELINE STABILIZATION

Client: City of Sarasota



Indian Beach is located along Sarasota Bay within the City of Sarasota. Although the beach is not subjected to continual high-energy background erosion, a lack of sediment supply and the cumulative effects of episodic storm events had damaged the shoreline to the extent that a major access road in the area was vulnerable to further erosion. Local residents in the area opposed a previously proposed conventional rock revetment because it would have pre-empted any use of the remaining pocket beach and prevented recreational access to the water. Coastal Tech was contracted to formulate a plan that would address the desires of the local residents while meeting the City's overall goal of effective and cost efficient shoreline stabilization and restoration.

Because the area is a unique and well-used park-like enclave in an otherwise urban setting, the local residents wanted the design to provide an aesthetically pleasing informal neighborhood meeting area while maintaining its functionality as a kayak launching and wade-fishing site. Coastal Tech held a number of public and neighborhood meetings to encourage local resident input. The final design utilized an articulated concrete block mattress to provide the basic shoreline stabilization and storm protection. An extensive array of native plants was used to fill the openings of the matting both for additional stabilization and for appearance. Additionally, a handicap-accessible boardwalk/overlook was designed along with a wooden deck with seating areas. Timber planters were included in the landscape plan to preserve the existing trees and allow for planting other native vegetation. Coastal Tech prepared all necessary bidding documents and provided construction phase services.

Key Elements

- Public Meetings
- Plan Formulation
- Articulated concrete block mattress
- ADA Accessible observation area and seating areas
- Design, Bidding and Construction Phase Services
- Native landscaping and landscape planters

Date: 2001

Cost: \$140,000

Contact:

*Alexandrea DavisShaw, P.E.,
City Engineer*

City of Sarasota

P.O. Box 1058

Sarasota FL 34230

(941) 954-4180

Alexandrea.DavisShaw@sarasotagov.com



Enhancing Coastal Life.