

Harbourside Place, Florida

waterfront & marinas



The proposed \$144M Harbourside Place development includes an extension of the Riverwalk in the Town of Jupiter, Florida. The Riverwalk will enhance public access to the proposed 9.5-acre mixed-use development, and the Riverwalk will be the first phase of the development. Phase 1 included the Riverwalk promenade with shoreline stabilization, benches, shade structures and decorative lighting. The Town obtained funding from the Florida Inland Navigation District for the 1,100-foot pedestrian promenade along the Intracoastal Waterway, located at Indiantown Road and U.S.1.

Coastal Systems was part of a multi-disciplined design-build team led by Moss and Associates. Coastal Systems designed the marine works for the project consisting of a 1,100-foot long cantilevered steel sheet pile bulkhead. The bulkhead was designed for the Riverwalk finished grade and for initial shoreline stabilization to protect adjacent mangroves and serves as temporary shoring during de-mucking operations under the proposed Riverwalk. Select fill was then placed along the bulkhead under the Riverwalk footprint to provide suitable subgrade, and this fill was compacted to the proposed finished grade. The bulkhead included a reinforced concrete cap and utility penetrations for the dock facilities. An adjacent public dock area with 209 linear feet of marginal dock with nine public boat slips was also designed with timber components along with dock fire lines. Construction administration services were provided to assist the design-build team throughout construction.

Coastal Systems is currently conducting monitoring of the seagrass beds adjacent to the shoreline pursuant to the environmental permits issued for the project by the South Florida Water Management District. A baseline survey was required along with semi-annual monitoring for the first year, with annual monitoring the following four years. The monitoring is conducted to evaluate the occurrence and species composition of seagrasses located within the footprint and the surrounding area of the demolished existing docks. Natural seagrass recruitment into the mitigation area, which was previously shaded by the dock system, is required for mitigation to create approximately 1,500 sf of seagrass habitat in accordance with the success criteria outlined in the permits. This mitigation is required to offset shading impacts with the proposed 21-slip commercial dock tentatively planned to be constructed in March, 2012.



Timber Fixed Dock



Aerial View of Construction

Client: Moss & Associates

Location: Jupiter, Florida

Date of Completion: 2011

Construction Cost: \$1M

