

PROJECT SUMMARY

Project Name:
East Coast Protective Levee

Owner:
South Florida Water Management District (SFWMD)

Client:
Brown & Caldwell

Project Information:
Location: Miami-Dade, Broward & Palm Beach Counties, FL

This SFWMD project was for the rehabilitation of the East Coast Protective Levee system to comply with Federal Emergency Management Agency levee certification requirements. This work encompassed three concurrent construction projects: Phase 1-L35, L35A and segment 3 of L36, is approximately 13.7 miles in Broward County; Phase 2-segments 1 and 2 of L36, is approximately 8.8 miles in Palm Beach and Broward Counties; Phase 3-L33 and L37, is approximately 14 miles in Broward and Miami-Dade Counties. The work included a filter berm at the levee toe, access ramps, side slope flattening, rip rap protection and levee top recompacting.



RADISE performed Construction Engineering and Inspection Services including field and laboratory testing for quality assurance of the construction. Services including field exploration/testing and laboratory testing conducted at RADISE's lab. Provided quality assurance field inspections and testing for Phases 1, 2 and 3 included filter sand, random fill and levee top base rock.

Tests included standard proctor, sieve analysis, minimum and maximum index density, constant head permeability, and in-place nuclear density.

PROJECT ELEMENTS

- Repair 13.7 Miles of Levee in Broward
- Repair 8 Miles of Levee in Palm Beach and Broward
- Repair 14 Miles of Levee in Miami-Dade and Broward
- Filter Sand

RADISE ROLE:

CONSTRUCTION ENGINEERING & INSPECTION- Field Exploration/Testing & Laboratory Testing for Quality Assurance

- Proctor Tests
- Density Tests
- Nuclear Density Tests
- Relative Density Tests
- Sieve Analysis