

PROJECT SUMMARY

Project Name:
**Herbert Hoover Dike (HHD), Rehabilitation Project
Culverts 11 & 16**

Owner:
U.S. Army Corps of Engineers – Jacksonville District
Client:
Harry Pepper & Associates

Project Information:
Location: Palm Beach & Martin Counties,
FL

This HHD Rehabilitation Project was designed to relieve the uplifting pressure on the landside levees adjacent to Lake Okeechobee. Otherwise, the ramifications could include internal erosion (boils and piping), sinkholes and eventually embankment failure.



The project includes the demolition of existing Culverts 11 and 16, placing lengths of cutoff wall to close the existing gaps in the existing cutoff wall at the culvert locations, placement of new cast-in-place concrete culvert structures with gates and control systems at the same locations and restoring the embankment.

RADISE has a substantial role in inspecting and overseeing all earthwork tasks being performed. The inspections for fill placement include checking for the fill type, lift height, any oversized rocks, grouping of rocks, organic material percentage in the fill, control of moisture content before placing the fill and in-situ density of each lift.

Performing construction material testing including soil and concrete. Maintain and provide detailed and accurate records for all field activities and laboratory testing throughout the project.

Providing inspection and specialized testing for cutoff wall, and engineering support for other project related geotechnical and material testing issues.

PROJECT ELEMENTS

- Demolition of Existing Culverts
- New Cutoff Walls
- Culvert Replacements
- New Rip Rap and Bedding Stone
- Leak Proof Dike System

RADISE ROLE:

CONSTRUCTION INSPECTION AND MATERIALS TESTING

- Laboratory Testing of Rip Rap Material
- Earthwork Inspection
- Soil Field and Laboratory Testing Services
- Concrete Field and Laboratory Testing Services
- Specialty Testing for Cutoff Wall

