

## PROJECT PROFILE

**Project Name:** 3 Bananas Restaurant Dock Repairs and Expansion  
**Client:** Jerry Moldrik  
**Location:** Crescent City, Putnam County, Florida

**Project Description:** State, federal, and city approvals were required for the repair and expansion of the existing docking facility at the restaurant located along the western shore of Crescent Lake. The repair and expansion included the addition of 12 boat slips and a covered viewing area. Permitting included the preparation of state and federal permit application to the Florida Department of Environmental Protection (FDEP) and U.S. Army Corps of Engineers (ACOE). This application included the use of graphics software such as AutoCAD and GIS to prepare the environmental graphics used in the submittals to FDEP and ACOE. Additional information and coordination was required for Florida Fish and Wildlife Conservation Commission (FWC) and U.S. Fish and Wildlife Service (FWS) regarding the potential existence of habitat for the endangered West Indian Manatee. Additionally, a Submerged Lands Lease was required by the state for the new facility, this required coordination with the project surveyor to prepare the necessary sketch and description of the area to be leased from the state. Once the state and federal permits were secured, presentations were prepared for the City of Crescent City Planning and Zoning Board and City Commission. The client was accompanied at these meetings and environmental concerns raised by the boards were answered. The project was approved by both boards without objection.

## PROJECT PROFILE

**Project Name:** Antigua on Anastasia Island  
**Client:** John Mitchell, HC Anastasia Properties, LLC  
**Location:** St. Augustine, St. Johns County, Florida

**Project Description:** State, federal, and city approvals were required for permitting for a ±72-acre multi- and single-family development along the Atlantic Intracoastal Waterway on Anastasia Island. The project also included a 72-slip marina, six single-family docks, two fishing piers, and two boardwalks through the salt marsh. Project tasks included wetland delineation and review with state agency staff, Environmental Resource Permitting (ERP) for St. Johns River Water Management District (SJRWMD), and an Individual Permit application for the U.S. Army Corps of Engineers (ACOE). Additionally, a gopher tortoise incidental takings permit was obtained from Florida Fish and Wildlife Conservation Commission (FWC). SJRWMD and ACOE permitting required coordination with additional federal agencies, such as National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (FWS). A site plan that minimized and reduced impacts to environmentally sensitive wetlands was developed in association with the project civil engineer. Once the site plan was finalized and wetland impacts were reduced as much as practicable, a mitigation plan was developed to offset the proposed impacts. A Unified Mitigation Assessment Method (UMAM) analysis was completed and the mitigation plan included on-site wetland creation, wetland enhancement, and upland preservation. Graphics software such as AutoCAD and GIS were utilized to prepare the environmental graphics used in the submittals to SJRWMD, ACOE, and FWC. Once the state and federal permits were secured, presentations were prepared for the City of St. Augustine Planning and Zoning Agency and City Commission. The client was accompanied at these meetings and environmental concerns raised by the boards were answered. The project was approved by both boards.

## PROJECT PROFILE

**Project Name:** Avenue D Extension  
**Client:** Glenn Marvin, Flagler Development Group  
**Location:** St. Augustine, St. Johns County Florida

**Project Description:** State and federal permitting was required for a 0.7 mile 4-lane roadway extension project from the existing Avenue D dead end (west of the St. Johns County Complex) south and then east to U.S. Highway 1. Project tasks included wetland delineation and review with state agency staff, coordinated with the project engineer on the Environmental Resource Permit (ERP) application for St. Johns River Water Management District (SJRWMD), and a Nationwide Permit application for the U.S. Army Corps of Engineers (ACOE). Once the site plan was finalized and wetland impacts were reduced, a mitigation plan was developed to offset the proposed impacts. A Unified Mitigation Assessment Method (UMAM) analysis was completed and the mitigation plan included on-site wetland creation and upland preservation. Graphics software such as AutoCAD and GIS were utilized to prepare the environmental graphics used in the submittals to SJRWMD and ACOE.

## PROJECT PROFILE

**Project Name:** Sand Box Borrow Pit  
**Client:** Dennis Ross, Ross Excavation, Inc.  
**Location:** Flagler County, Florida

**Project Description:** State and county approvals were required for a ±60-acre and a ±12-acre borrow pit located in western Flagler County. Project tasks included wetland delineation, Environmental Resource Permitting (ERP) and Consumptive Use Permitting (CUP) for St. Johns River Water Management District (SJRWMD) and a gopher tortoise survey with an incidental takings permit application to Florida Fish and Wildlife Conservation Commission (FWC). Additionally, a Mining Notice from the Florida Department of Environmental Protection (FDEP) was obtained. The ERP and CUP permitting required coordination with SJRWMD staff, as well as civil and geotechnical engineers, to design a construction and dewatering plan that would not affect adjacent legal uses of water and environmentally sensitive wetlands. Graphics software, such as AutoCAD and GIS, were utilized to prepare the environmental graphics used in the submittals to SJRWMD, FDEP, and FWC. Additionally, a Global Positioning Unit was used to record the locations of the gopher tortoise burrows found during the pedestrian survey of the gopher tortoise habitat.

## PROJECT PROFILE

**Project Name:** West Augustine In-Fill  
**Client:** Greg Caldwell, St. Johns County Public Works  
**Location:** St. Augustine, St. Johns County Florida

**Project Description:** State and federal permitting was required for over one mile of roadway extensions in the West Augustine Neighborhood of St. Augustine, Florida. The new roadway extensions provide access to county-owned residential lots that will be utilized for low-income housing, as well as for Habitat for Humanity projects. Project tasks included wetland delineation and review with state agency staff and coordinated with the project engineer on the Environmental Resource Permit (ERP) application for St. Johns River Water Management District (SJRWMD). A SWANCC determination was obtained from the U.S. Army Corps of Engineers (ACOE), eliminating the need for federal authorization for the project. Once the site plan was finalized and wetland impacts were reduced as much as possible, a mitigation plan was developed to offset the proposed impacts. A Unified Mitigation Assessment Method (UMAM) analysis was completed and the mitigation plan included off-site wetland preservation. Graphics software, such as AutoCAD and GIS, were utilized to prepare the environmental graphics used in the submittals to SJRWMD and ACOE.