

Since 1988, Creech Engineers Inc. has provided surveying and engineering services to a clientele that includes Fortune 500 companies, nationally recognized residential developers, federal, state, county and local government entities, community development districts, and private developers. Here is a portfolio of some of the company's most remarkable past and future projects.

Wakulla Correctional Institution

Creech recently completed the Wakulla Correctional Institution Annex design located in Wakulla County, Florida. The project consisted of the design and permitting of the paving, drainage, water distribution, sanitary sewer, geothermal, electric, gas, security fencing, auxiliary parking lot facility, and existing facility drainage/erosion corrections.

Wakulla Annex was unique as there was an existing Florida Department of Environmental Protection (FDEP)/Army Core of Engineers (ACOE) Dredge and Fill

Permit that was never closed out as part of the original Wakulla Correctional Institution. The Creech design team was able to meet with the ACOE and provide a baseline monitoring report for the created wetlands. We were able to reduce the monitoring and reporting associated with the permit to coincide with the construction completion of the Annex project.



Creech was also able to match the new DC Annex proto-type with the master plan area provided as part of the original facility construction. We were able to match elevations of the Annex and the Main Unit and coordinate side sally-ports. Also, during the design we were able to develop a remedy for the existing comminuter that becomes overwhelmed during peak flows of the main unit. Our design included a new comminuter and piping to elevate overflows.

Creech Engineers Inc. also won the Southeast Construction Best of 2008 Award for The Best Governmental Project in the Southeast United States for Wakulla Correctional Institution.

Salerno Creek Retrofit Project

Creech Engineers was contracted by Martin County to conduct field research and field delineation of a 780-acre drainage basin, which included Hibiscus Park in Port Salerno. The project included hydraulic analysis of an existing drainage conveyance system. Prepared a boundary survey, parcel map and specific purpose survey, and showing the location of existing on-site wetland areas for the Salerno Creek Stormwater Treatment Retrofit Project.

Our services included design, permitting and construction services, as well as miscellaneous surveying services for some individual parcels within the stormwater treatment retrofit tract and location of some existing ditches and ditch right-of-ways. Creech Engineers assisted Martin County in acquisition of grants to construct a retrofit facility for water quality benefits.



The project was funded by Florida Department of Environmental Protection (FDEP) and South Florida Water Management District (SFWMD) grants and included analysis of the drainage system under improved conditions with a retrofit facility in place. The project's goals were to provide flood protection and water quality to an area developed prior to current stormwater management criteria.



Creech Engineers was also named the Grand Award winner for the 2004 FICE Engineering Excellence Award in the Water Resources category for the Salerno Creek Retrofit project in Martin County.

The ECO Center

The Eco Center is located south of the intersection of Monterey Road and Monterey Extension. The site was formally The Monterey Pointe Golf & Practice Center with 2,190 square feet of vacant building area. The intended result of the project is to turn the existing buildings into 6,054 square feet of office space temporarily. At some point in the future, it will be replaced with a 20,000 square foot office building.

A LEED, or Leadership in Energy and Environmental Design, certification signifies that the building is built to be environmentally friendly. The existing renovated buildings of The ECO center is intended to be LEED certified, and the larger office building is proposed to be LEED gold certified once it is built. Creech Engineers has taken an eco-friendly approach to this project, designing the project around strict specifications to ensure the protection and preservation of the local environment. The project is expected to be complete in 2012.



Harborage

Completed in 2008, the Harborage of Stuart consists of one hundred and twenty-nine waterfront condominiums, one rack storage facility, one retail/office/condominium building, and three new marinas stretching along the St. Lucie River and bisected by the New Roosevelt Bridge. Related amenities include two pools, entry features, waterfront promenade, and other improvements.



Martin County Aquatics Center

Creech Engineers was selected to be a part of the Bayview Construction team that will design and construct the Martin County Aquatics Center. Creech Engineers and its employees are enthusiastic about working with Bayview and other companies on this project. Creech Engineers will manage the project with strong emphasis on communication between all team members and the County, responsiveness, commitment of key personnel, accountability, team concept, and schedule/cost control. Site surveys and subsurface investigations will be conducted in order to establish the existing conditions and constraints of the site and set the direction for design and construction of site work and utilities for the project.

Creech Engineers will make an effort to include cost saving solutions and “green” alternatives into all aspects of their design. After all of the groundwork work is done, preparation of the final drawings will begin. Creech Engineers will still provide services well into the construction phase of the Aquatic Center.

The current design includes a “green” building with full classrooms, party rooms, and cafeteria. The pools will include a lazy river, a full-size competition pool, a learn-to-swim pool, and others. The Aquatic Center will be located on Ruhnke Street off of Willoughby Boulevard.

