



# Commercial Projects

Innovative Design. Solid Construction. Lasting Relationships.

## Broken Sound Country Club

### Solar Energy Master Plan

CKA provided master planning and ROI analysis for the largest privately held solar energy generation facility in the state of Florida. The Broken Sound Country Club (BSCC) requested that their continuing services design/build engineering firm (CKA) generate a Master Plan for what would be the largest solar energy project in the state of Florida. The project is capable of energy generation system providing approximately 819 kW of solar power (DC), which equates to the creation of 1,272,266 kWh (AC) power to be utilized primarily by the west clubhouse. This proposal utilizes the concept of providing structural steel members to be installed in the parking lot of the main clubhouse that when completed, would double as shade structures for the parked cars. When all state, local, and federal incentives were identified, the ROI is experienced within 4 years for a \$3.26 million project.

**Owner:** Broken Sound Country Club

**Size:** 1,272,266 kWh (AC) Power

**Scope:** Master Plan / Consulting

**Cost:** \$3.26M

## Charlotte Harbor Marina

### Master Plan / Construction Estimate

CKA was contracted by the owner to assist in the Master Planning and Construction Cost Estimating for two marina developments in the Charlotte Harbor area, Florida.

**Owner:** Allen Heise

**Size:** Two Marina Developments

**Scope:** Master Plan / Construction Cost Estimates

**Cost:** \$24,650,220

## EastPointe II Condominium Association

### Tennis Pavillion / Mechanical Building Fire Pump Replacement Project

CKA performed design/build services for the replacement of a diesel driven fire pump providing fire protection for a 24-story condominium in addition to the building rehab due to fire. Oddly enough, the condominium association experienced a fire in the mechanical room housing the standby generator and fire pump, which was integral with the Tennis Pavillion. The bar-joist roofing system was removed; block wall installed for additional reinforcement, and a new roof system using 6-inch concrete hollow core panels was installed. The design incorporated exhaust penetrations to prevent a future fire for both the generator and fire pump. A new FM diesel driven booster pump, 750 gpm @ 165psi was installed. The building received a complete renovation including a complete re-wire, lighting, alarm wiring, two bathrooms, overhead door, manddoors, roofing material, and finishes.

**Owner:** EastPointe II Condominium Association

**Size:** 24 Story Fire Pump Replacement & Building Rehab

**Scope:** Design / Build

**Cost:** \$278,000



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## Florida Fish & Wildlife Conservation Commission (FFWCC)

CKA provided Design, Permitting and Construction Management for the state's FFWCC Field Operations Facility. The facility was designed to augment the office and administrative facility built in the City of West Palm Beach's Water Catchment Area in the north county. The purpose of the field operations facility is to provide a storage and maintenance facility in close proximity to the administrative facilities. CKA provided site civil, road, well and septic designs; and permitting for this 3-acre site located within the boundaries of the City of Palm Beach Gardens, FL.

**Owner:** State of Florida

**Size:** 3-Acre Field Operations Facility

**Scope:** Site Civil & Environmental Design, Permitting & Construction Management

**Architect:** Robert Currie Partnership

**Cost:** \$890,000

## Watermark Communities, Inc.

Parcel 30.02

CKA has provided preliminary engineering design services for the site plan, utility, and FDOT design and permitting coordination to facilitate the planning efforts and final design for the subject property located in the City of Palm Beach Gardens, FL. The site, owned by WCI, is zoned for commercial use and will augment the needs for the adjacent Mirosol/TWC/Golf Digest Community as well as serve the needs of the surrounding PGA National.

**Owner:** WCI

**Size:** 22-Acre Commercial Zoned Site Plan

**Scope:** Preliminary Engineering & Coordination

**Cost:** \$18,500,000