

# Response to Village of Key Biscayne RFQ 2014-01 for Multipurpose Civic Center Park- Professional Services



## Chen Moore & Associates

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## Project Manager Contact

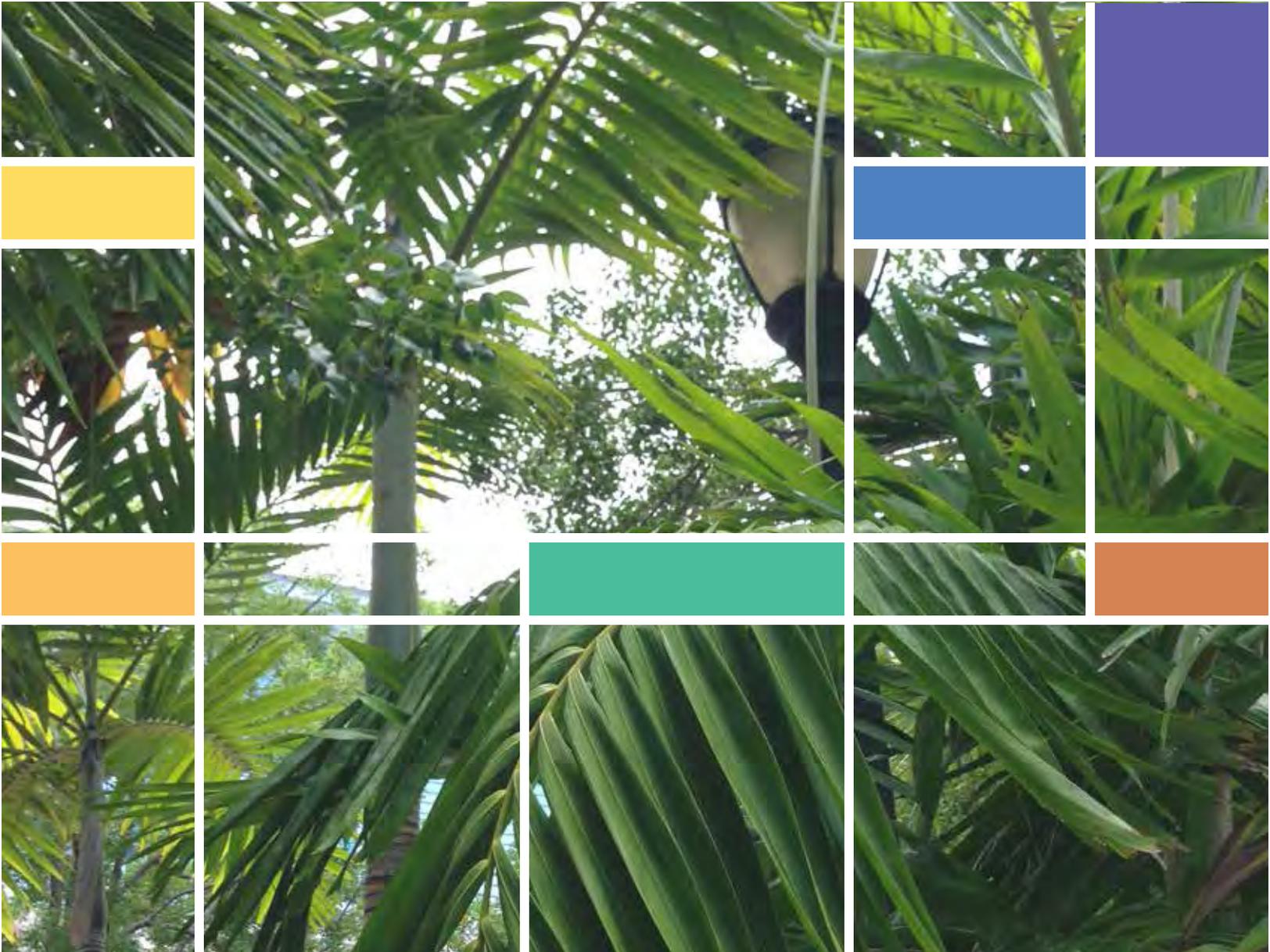
Cris Betancourt, RLA  
Telephone: (786) 497-1500  
Email: [cbetancourt@chenmoore.com](mailto:cbetancourt@chenmoore.com)



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## C. Letter of Intent



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## C. Letter of Intent

August 11th 2014

Village Clerk

Attn: Multipurpose Civic Center Park- Professional Services RFQ #14-01

Conchita H. Alvarez, MMC

Village Clerk

88 West McIntyre Street, Suite 220

Key Biscayne, Florida 33149

Chen Moore and Associates (CMA) is pleased to present this response to the Village of Key Biscayne to provide professional services for the Civic Center Park. CMA has assembled a team of highly qualified staff and subconsultants to meet and exceed the needs of the Village under this RFQ.

CMA is a multi-discipline consulting firm that is a Florida State and locally certified small business enterprise firm with offices in Miami-Dade, Broward, Palm Beach, Martin, Orange, and Alachua Counties. Similar services requested by the Village under this RFQ have successfully been provided by CMA for several other municipal clients including City of Pompano Beach, City of Deerfield Beach, City of Wilton Manors, City of Fort Lauderdale, City of Miami Beach and the Village of Pinecrest.

Mr. Cristóbal Betancourt, RLA, will lead our team. He will serve as the City's prime contact and distribute work assignments to our team accordingly. Cris has 20 years of professional experience in the planning, design, permitting, and implementation of parks projects. Recent examples include the Art Walk in Coral Springs, Veteran's Wayside Park for Pinecrest, and Westside Park for Deerfield Beach. He will be supported by the resources of our frequent teaming partners CPZ Architects, Atkins, United Engineering, Longitude Surveyors, Delta G, and PSI to provide all of the specialty architectural and engineering services necessary for the successful implementation of your project. Cris recently developed multiple master planned dog park solutions for the Village of Pinecrest, and is well versed in the design standards for successful dog park design. We look forward to the opportunity to present our qualifications and approach for this project in more detail to the City. Should you have any questions, please do not hesitate to contact me at 954-730-0707, ext. 1002 or pmoore@chenmoore.com.

CMA commits to performing the work in a timely manner within budgetary requirements. My signature below certifies the contents of the submittal and binds CMA to the firm's offer to provide services addressed in the response to the City of Key Biscayne's Request for Qualifications

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Peter Moore", is written over a horizontal line.

Peter Moore, P.E., LEED AP,  
President - Chen Moore and Associates



## D. Graphic Presentation



## Key Features

- 1 Small Dog Off-Leash area
- 2 Large Dog Off-Leash area
- 3 Multi-Use Space
- 4 Paved Civic Plaza
- 5 Paved Walkways
- Dog Park Access

Plan View Rendering

# Existing Conditions



# Proposed Improvements



#	DESCRIPTION	QTY	UNIT	COST	TOTAL
<b>Preliminary Budget</b>					
<b>GENERAL</b>					
1	MOBILIZATION (2.5%)	1	LS	\$14,171.63	\$14,171.63
2	MAINTENANCE OF TRAFFIC (2.5%)	1	LS	\$14,171.63	\$14,171.63
3	BONDS AND INSURANCE (1.25%)	1	LS	\$7,085.81	\$7,085.81
4	CONTRACTOR FEE (10%)	1	LS	\$56,686.50	\$56,686.50
<b>SITE PREPARATION</b>					
5	ROUGH GRADING	1,000	SY	\$4.00	\$4,000.00
6	CONSTRUCTION FENCING	634	LF	\$25.00	\$15,850.00
7	SILT FENCING	634	LF	\$1.00	\$634.00
<b>GENERAL PARK IMPROVEMENTS</b>					
8	PAVED PEDESTRIAN PLAZA	5,600	SF	\$15.00	\$84,000.00
9	PAVED WALKWAYS	575	SF	\$15.00	\$8,625.00
10	BENCHES (6' LENGTH)	10	EA	\$2,000.00	\$20,000.00
11	LITTER RECEPTACLE	4	EA	\$1,500.00	\$6,000.00
12	MULTI-USE TURF AREA (ST. AUGUSTINE GRASS)	5,100	SF	\$1.00	\$5,100.00
13	LIGHTING FIXTURES (ALLOWANCE)	1	LS	\$35,000.00	\$35,000.00
14	PICNIC TABLES	2	EA	\$1,463.00	\$2,926.00
15	IRRIGATION (COMPLETE)	1	LS	\$22,500.00	\$22,500.00
16	LARGE PALM (20' GRAYWOOD)	16	EA	\$2,000.00	\$32,000.00
17	LARGE SHADE TREE (20' OVERALL HEIGHT)	4	EA	\$2,500.00	\$10,000.00
18	SHRUBS/GROUNDCOVER	2,900	SF	\$6.00	\$17,400.00
<b>LARGE DOG AREA: ± 0.13 Acres</b>					
19	CONCRETE PEDESTRIAN AREA	125	SF	\$15.00	\$1,875.00
20	PERIMETER FENCING (6' DECORATIVE ALUMINUM w/ STONE COLUMNS)	315	LF	\$400.00	\$126,000.00
21	BENCH (6' LENGTH)	3	EA	\$1,400.00	\$4,200.00
22	DOG WASH + DRINKING FOUNTAIN STATION	1	EA	\$1,200.00	\$1,200.00
23	DOG LITTER STATION	2	EA	\$350.00	\$700.00
24	DOG PLAY EQUIPMENT	5	EA	\$600.00	\$3,000.00
25	ST AUGUSTINE TURF	5,450	SF	\$1.00	\$5,450.00
26	IRRIGATION (COMPLETE)	1	LS	\$28,000.00	\$28,000.00
<b>SMALL DOG AREA: ± 0.1 Acres</b>					
27	CONCRETE PEDESTRIAN AREA	125	SF	\$15.00	\$1,875.00
28	PERIMETER FENCING (6' DECORATIVE ALUMINUM w/ STONE COLUMNS)	310	LF	\$400.00	\$124,000.00
29	DOG WASH + DRINKING FOUNTAIN STATION	1	EA	\$1,200.00	\$1,200.00
30	DOG LITTER STATION	2	EA	\$350.00	\$700.00
31	DOG PLAY EQUIPMENT	1	EA	\$600.00	\$600.00
32	ST AUGUSTINE TURF	4,600	SF	\$0.55	\$2,530.00
33	IRRIGATION (COMPLETE)	1	LS	\$1,500.00	\$1,500.00
				<b>CONSTRUCTION TOTAL:</b>	<b>\$493,125.56</b>
				DESIGN FEES:	\$74,000.00
				PERMITTING:	\$5,000.00
				CONTINGENCY (15%):	\$74,000.00
				<b>PROJECT TOTAL:</b>	<b>\$646,125.56</b>





## E. Firm's Experience

## Firm's Experience

Celebrating our 27th year, Chen Moore and Associates has grown to over 40 professionals across Florida with offices in Miami-Dade, Broward, Palm Beach, the Treasure Coast and North Central Florida. This growth has allowed us to have great depth and breadth in our project profile, while maintaining local, State and Federal Small Business designations. The firm is currently working on and has successfully completed projects involving the planning, design and construction of a wide range of projects in a multitude of disciplines.

With 12 licensed professional engineers, four professional landscape architects and highly experienced technical design staff, the Chen Moore team has the capabilities to address the smallest to the most challenging civil, environmental and transportation engineering, planning, landscape architecture and construction administration tasks required for many types of public, semi-public and private sector projects.



### Landscape Architecture and Planning Services

- Master Planning
- Site Planning Design and Processing
- Irrigation Design
- Community Planning
- Urban Redevelopment
- Comprehensive Planning
- Parks and Recreation Planning and Design
- Campus Planning and Design
- Due Diligence and Feasibility Reports
- Land Use Entitlements
- Landscape Planning and Design
- Hardscape Feature Design
- Streetscape Design
- Greenway and Trails Design
- Wayfinding
- Lighting Design
- Graphic Design and Presentation
- Habitat Restoration

Chen Moore's landscape architecture and planning team provides creative solutions for a diverse clientele. Our team currently provides

services to municipal governments and private development clients throughout South Florida. Our project portfolio includes streetscapes, parks and recreation, healthcare, education, single & multi-family residential and commercial projects. Chen Moore is respected for performing a thorough due diligence prior to commencing a project. We make certain to understand site and permitting constraints and our client's goals, budgets and schedules before beginning our work. We take pride in providing responsive service and developing out-of-the-box solutions for our clients' needs.

**Community Involvement**

The firm is active in various community organizations including Habitat for Humanity, Toys for Tots, the Cooperative Feeding Program, and OceanWatch, a non-profit group focused on cleaning and preserving South Florida's Beaches. Chen Moore and Associates has also participated in a clean-up of the Florida Everglades west of Homestead. The firm is active in several professional societies including the American Planning Association, American Society of Landscape Architects, American Society of Civil Engineers, Florida Engineering Society and the Florida Water Environmental Association that sponsor community service events such as adopt a highway programs and outreach programs such as MathCounts, a yearly math competition in junior high schools to encourage interest in the engineering profession.



## Parks and Recreation Experience

CMA and our team of subconsultants have experience with the master planning, engineering, landscape architecture, irrigation design and construction administration of a variety of parks and recreation facilities.

The scale of our parks experience varies from 800-acre regional parks with multiple athletic facilities to one-acre neighborhood parks. We have designed athletic fields (soccer, baseball, football, etc.), golf courses, boat ramps, boardwalks, pedestrian trails, equestrian trails, bicycle trails, playgrounds, and a variety of site-specific amenities. The list below provides a sample of parks we have worked on in the last five years.

### **Active Parks/Athletic Facilities**

- YMCA/FS Barcelona Soccer Field, Miami Gardens
- Orange Bowl Field at Carter Park, Sunrise
- Cooper City Soccer Park, Cooper City
- Mullins Park, Coral Springs
- Moore Park, Miami
- Pompano Beach Municipal Golf Course
- Hobe Sound Polo Club\*, Hobe Sound
- MLK/Dreamland Park, Fort Pierce
- Northwest Pioneers Park\*

### **Natural Resource-Based Parks**

- North Shore Bandshell Park Improvements, Miami Beach
- Wellington Environmental Preserve at the Marjory Stoneman Douglas Everglades Habitat
- Falcons Lea Park
- Whispering Woods Park
- South Beach Park, Fort Lauderdale
- Jaycee Park, Boynton Beach
- Boat Club Park, Boynton Beach
- Oceanfront Park, Boynton Beach
- Kimberly/Surfside Park\*, Fort Pierce
- South Beach Park\*, Fort Pierce
- Harbour Ridge Park, Fort Pierce

### **Regional Parks**

- TY Park, Hollywood
- West Lake Park, Fort Lauderdale
- Tradewinds Park, Fort Lauderdale
- Osprey Point Golf Course at South County Regional Park, Boca Raton

\*Represents team members' experience with another firm.



## Litigation

In our 27 year history, Chen Moore and Associates has never been engaged in a lawsuit related to our responsibilities as a professional for errors or omissions. In today's litigious society, businesses are constantly confronted with civil claims and Chen Moore and Associates has not been spared that exposure. We have been party in two cases:

**Case No:** 11-30999 CA 02 in the 11th Circuit Court of Miami-Dade

**Case Name:** Steven I. Gunther vs. M. Vila Associates, City of Miami Beach, Chen and Associates Consulting Engineers, Inc.

**Date Filed:** June 4, 2012

**Type of Case:** civil

**Claim or Cause of Action:** Chen Moore and Associates is a co-defendant in a personal injury suit with one count for negligence.

**Brief Description:** During a streetscaping project, the complaint asserts that the plaintiff fell off their motor scooter while driving through a construction zone.

**Amount:** more than \$25,000; exact amount not known

**Agencies Involved:** 11th Circuit Court of Miami-Dade County, 175 NW 1st Avenue, Miami FL 33128; City of Miami Beach Police Department, 1100 Washington Avenue Miami Beach, FL 33139

**Disposition of Case:** closed

**Opposing Counsel:** David A. Hagen, P.A., Phone: 305.373.4200; hagen.esq@lawyer.com

**Case No:** 13-025280 CA-01 (05)

**Case Name:** Luis A. Nazario as Personal Representative of Estate of Miriam Cabrera v. M. Vila Associates, City of Miami Beach, Metro Express, and Chen Moore & Associates

**Date Filed:** March 12, 2014

**Type of Case:** Civil

**Claim or Cause of Action:** Chen Moore and Associates is a co-defendant in a wrongful death action with one count of negligence

**Brief Description:** The complaint asserts that, during a streetscaping project, the decedent fell off the back of a motorcycle while driving through a construction zone

**Amount:** More than \$25,000; exact amount not known

**Agencies Involved:** 11th Judicial Circuit Court in and for Miami-Dade County, 175 NW 1st Avenue, Miami, FL 33128; City of Miami Beach

**Disposition of Case:** Pending

**Opposing Counsel:** Hiram M. Montero, P.A., hmontero@monterolaw.com



# Licenses



Peter Moore, P.E., LEED AP



Jose Acosta, P.E.



Michael Buick, P.E.



Peter Dueño, P.E.



Cristobal Betancourt, RLA



Eric Harrison, RLA



Jason Sutton, RLA



## F. Qualifications of Project Team

## Qualifications of Project Team



Founded in 2002 by Chris P. Zimmerman, AIA, CPZ Architects Inc . offers the full range of planning and architectural services, managed with the personal attention of the firm's founder on every project from start to finish. CPZ is a local SBE firm with a staff of 11 employees, 3 of which are registered architects. This commitment to client satisfaction has built more than 20 long-term client/CPZ relationships and a reputation for superior, responsive client service.



### **Tephford Park, Tamarac, Florida**

CPZ Architects provided design and construction administration services as part of a design build team to the City of Tamarac for the construction of Tephford Park restroom buildings. There are two 400 square foot restroom buildings on the site. The site consists of a playground, picnic pavilions, concrete pathways and a fishing dock. Tephford Park stretches west of Nob Hill Road to Sawgrass Expressway.

### **Construction Cost**

\$4,000,000

### **Completion Date**

2008

### **Client**

City of Tamarac  
John Doherty  
(954) 597-3706



## Big Cypress Motocross, Big Cypress, Florida

CPZ Architects, Inc. was the architect and project manager for the development all the buildings and site details for the Seminole Tribe of Florida Motocross Facility, located at the Big Cypress Indian Reservation. This 85 acre facility is being designed to support the most complete Motocross Complex in the Southeast United States. The facility includes a state of the art 1.5 mile motocross track for nationally televised events. Also, included within this facility are a; Super Cross Track, Freestyle Track, Practice Track, Pee-Wee Track and Quad Track for All Terrain Vehicles (ATV's). These venues are supported by retail, concession, restrooms, office facilities view stands, VIP viewing and a fully supported pit area. In order to successfully host national events this park is also equipment with a 2 acres multi-purpose outdoor space that can be utilized for exhibits, presentations, displays and outdoor performances.

The park design includes; skate park, multi-purpose sports court, children's playground, a special events pavilion, exterior restroom building, picnic shelter, two boat docks and a dog park. The building and site were designed to blend together and promote views through the building to the exterior park areas. The exterior functions were arranged to create a center open green space that serves as a visual corridor and seating area to the special events pavilion.

### **Construction Cost**

\$10,000,000

### **Completion Date**

Not Completed



## Camp Seminole, Broward County, Florida

CPZ Architects worked with the South Florida Council, Boy Scouts of America, to develop a Master Plan for their premier Boy Scout Camp in Davie, Florida. Eighty percent of the 120 acre camp was devastated by Hurricane Wilma in 2005, creating an opportunity to develop a new full service Scout Reservation. This project was constructed as a Construction Manager at risk project and there have been no change orders. The master plan includes the following amenities:

- Main Entry Feature
- Amphitheater
- Water, Sewer and Electrical infrastructure
- Dining Hall for 300 people with a full service kitchen
- Swimming Pool and Bath house with training areas and concession
- Restroom Buildings
- Archery Range
- BB Gun Range
- Activity Pavilions
- Boat Dock and Training Pavilion
- Activity Field
- Lake dredging and improvements for Swimming
- Ranger residence

### Construction Cost

\$6,000,000

### Completion Date

2011

### Client

South Florida Council, Boy Scouts of America

John Anthony

(954) 584-4200



**Miramar Community & Cultural Amphitheater, Miramar, Florida**

CPZ Architects is currently providing architectural service for a new Miramar Cultural Amphitheater Complex at Miramar Regional Park. CPZ Architects is currently designing a 1500 non-permanent seat amphitheater and lawn seating areas for a capacity of 2,500. The site consists of several other buildings such as a concession / restroom and ticket booth. Site development includes memorial wall, food truck area, vendor area, and pedestrian pathways. Mediterranean style architecture was maintained throughout the complex to match adjacent buildings throughout the park.

**Construction Cost**

\$4,000,000

**Completion Date**

2015

**Client**

City of Miramar

Luis Lopez

(954) 602-3316



*Engineering News-Record* has ranked Atkins 2nd among the top design firms in Florida and 37th on its annual list of the largest engineering firms in the nation. With 2,500 employees and 70 offices nationwide, Atkins offers a tremendous depth of experience and staff capacity to meet the needs of the Village of Key Biscayne.

Atkins has created national market sector programs that consolidate our expertise and resources to best meet client needs, offering a seamless synthesis of a variety of service areas including the following:

- Park and recreational planning and design
- Landscape architecture and planning
- Architecture
- Civil engineering
- Environmental engineering and sciences
- Public involvement
- Permitting
- Transportation/roadway planning and design
- Construction management services
- Survey
- Sustainability

Atkins offers local knowledge and extensive park experience, both of which are necessary to successfully complete this project for the Village.

#### **Florida experience**

Atkins has completed dozens of park and recreation assignments for public clients throughout Florida. All of these projects have involved multidisciplinary teams of engineers, planners, architects, landscape architects, geologists, environmental scientists, construction experts, and specialty subcontractors. Based on this experience, we have developed a solid appreciation for the broad range of multidisciplinary services that are typically required for these types of projects. We take great pride in our strong track record of assembling and efficiently managing a team of in-house personnel and subcontractors to complete the most challenging tasks.

Atkins is well-versed in the planning, design and construction of park facilities, trails, and enhancement of natural landscapes and sensitive ecological communities. The planners and landscape architects proposed for this assignment have worked closely together on numerous projects of similar scope and complexity. These technical experts have produced designs that take full advantage of the natural potential of each site and have delivered projects within allotted schedule and budgetary constraints. Atkins' designs have received national recognition for excellence on previous park and recreation projects from such organizations as the America Society of Landscape



Architects, National Association of County Parks and Recreation, Federal Highway Administration, American Planning Association, American Academy of Environmental Engineers, Florida Institute of Consulting Engineers, and the American Society of Civil Engineers.

**Pine Trails Park, Parkland, Florida**

Atkins provided planning and design services for a 30-acre expansion on undeveloped park property to add active recreation amenities within the existing Pine Trails Park. Atkins created multiple concepts for City review leading to development of the final master plan.

The final master plan included four multi-purpose fields, four ball fields (one 350-foot baseball field, and three 225-foot softball fields); a two-story concession building; restroom building; constructed wetland/stormwater area with traversing boardwalk; playground; extensive pedestrian pathways; and surface parking for more than 300 vehicles. The expansion project is adjacent to an existing outdoor amphitheater and the Parkland YMCA Family Center. The added recreational fields help expand the programming and recreational needs for a growing community.

**Construction Cost**

\$4 million (Phase 1); \$2 million (Phase 2)

**Completion date**

2014 (design completed); 2015 (anticipated construction completion)

**Client**

City of Parkland



Poinciana Community Park, Polk County, Florida

Atkins provided design services for the conceptual planning, construction documents, permitting, and construction oversight for Poinciana Community Park. Conceptual planning tasks included a site visit; meetings with Poinciana residents; a draft conceptual plan; development of a final, rendered conceptual plan; and park standard list for the 29-acre park.

Atkins provided overall final site design and bidding and construction phase services. Desired improvements included quad baseball and softball and three multipurpose fields for soccer, football, and cricket use; Polk County standard concession buildings; parking; playground; dog parks for both small and large dogs; restrooms; basketball courts; scenic walking paths; vehicular access and drainage; pavilions and picnic areas; skate park; beach volleyball; and maintenance area.

The project's goal was to offer residents of the Poinciana area a park that appealed to all ages and users by offering diverse amenities such as walking paths, active sports opportunities, and a dog park all on one site.

**Construction Cost**

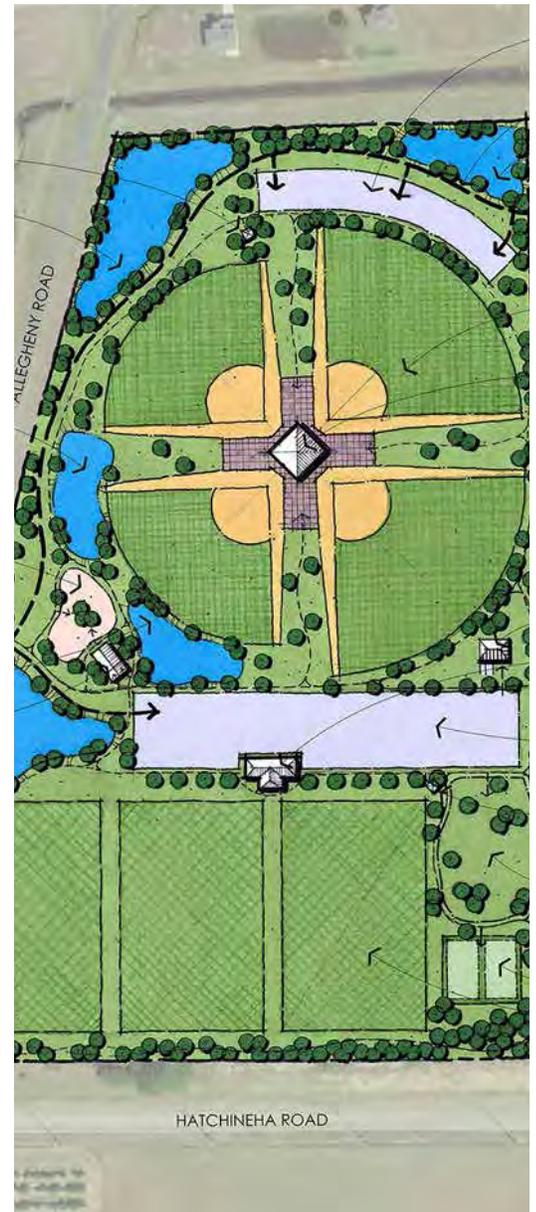
\$3.2 million (Phase 1); \$1.5 million (Phase 2)

**Completion date**

2013 (Phase I); 2014 (Phase II)

**Client**

Polk County



### Robert King High Park, Miami, Florida

This project for the City of Miami involved complete professional architecture-engineering services for the new Robert King High Park Recreation Facility.

Atkins' services included evaluating and rearranging site, playfield, and parking lot lighting; adding or increasing lighting at existing handball, tennis, baseball and soccer fields, basketball courts, and parking lot; landscaping; evaluating new location for recreation building and parking lot; developing an accessibility report for all existing facilities that were to remain; and upgrading the site irrigation system.

The following activities/features were accommodated: indoor table tennis, gymnastics, dance, volleyball, covered basketball court with retractable bleachers, office with staff area for eight, meeting/conference room with computer stations, male/female restrooms with adjacent janitor closet, male/female locker rooms with changing areas, sports equipment storage room, kitchen, and multipurpose room.

#### Construction Cost

\$1.55 million

#### Completion date

2011

#### Client

City of Miami



Arthur Snyder Tennis Complex, North Miami Beach, Florida

Atkins provided full master planning services, architectural design services, landscape architecture, civil engineering, and ecological services for the development of a new tennis center and café. The main goal for redevelopment of the Snyder Tennis Center was to increase public visibility, improve the spatial organization of the tennis center complex, and enhance the overall public park experience. The Snyder Park Tennis Center features a strong entrance that acts as a focal point for the composition, and is positioned to embrace the plaza area. An integrated ramp design is emblematic of the project's accessibility to all residents and guests.



The master plan called for a new 7,500-square-foot clubhouse/retail building set closer to Dixie Highway for heightened curb appeal and exposure. The clubhouse includes a pro shop, wellness center, café restaurant, retail space, locker facilities, office area, and outdoor dining/terraces. The layout of the tennis courts created a strong connectivity between all courts and the clubhouse.

Twelve resurfaced clay courts and seven new hard courts complete the core of the tennis center complex. There are two tournament courts, one for each surface type, placed at prominent locations near the clubhouse and at the intersection of two main pedestrian circulation spines. Spectator viewing was provided by covered stadium seating for both courts and an arbor-covered terrace adjacent to the clubhouse. The café/restaurant opens to the exterior covered terraces and offers views towards the adjacent competitive tennis courts.

Completing the master plan is an expanded parking lot, two racquetball courts with a tennis hitting wall, a playground, sand volleyball court, shade pavilions, walking paths through the mature canopy of the Daniel D. Diefenbach Bicentennial Park, and a large open lawn area to accommodate outdoor events in conjunction with tournaments and/or the adjacent historic Spanish Monastery.

The City sought to create a contemporary statement echoing the MiMo (Miami Modern) style of the 1950s and 1960s. Atkins' design achieved this goal through the use of slender columns, walls of glass, bold geometries, and a neutral palette of metals and stucco that underscore the modernist approach. The ample glazing provides a visual connection to the monastery.

Sustainable passive features include deep overhangs, a green roof, high-performance glazing and daylighting. Active features such as high-efficiency HVAC systems, low-flow faucets, and rainwater harvesting for irrigation will contribute to the financial, social, and environmental capital of the City.

To aid in the park's security, the understory growth was thinned out and invasive material removed to open up views, provide visible walking trails, and eliminate dark and densely vegetated areas. This—along with lighting and perimeter fencing—greatly increases the level of safety and security for the tennis center. The parking lot design preserves the mature oaks, adds additional shade trees, increases parking capacity, and includes parking lot lighting to enhance the security of the space. The addition of shade trees, accent palms, and a sufficient buffer along the rail corridor on the east of the site was the final touch on the successful redevelopment of the Snyder Tennis Center.

Atkins also provided cost estimating at the master plan level to support the City's effort regarding budgetary and funding issues.

**Construction Cost**

\$6,000,000

**Completion date**

2012

**Client**

City of North Miami Beach



**United Engineering, Inc.** provides structural design services that include



New Construction, Expert Witness, Peer Review, Value Engineering, Forensic Investigation, Rehabilitation/Repair, and Construction Observation. They provide these services across several market sectors that include governmental, commercial, institutional, mixed-use, residential, healthcare, specialty structures, and sports facilities. They also have experience with several delivery methods of construction such design-build, GMP, CM at risk, and traditional design-bid-build.

**Deerfield Beach Middle School Park, Deerfield Beach, Florida**

Park project that included design of 5 new park buildings that included a 550 sq. ft. pool entry building, 3,200 sq. ft. pool building, 2 story-3,000 sq. ft. baseball pavilion, 2 story-2,300 sq. ft. football pavilion, and 900 sq. ft. picnic shelter.

**Warfield Park, Ft. Lauderdale, Florida**

Park project for a 4,000 square foot community center and site improvements. The facility had an indoor basketball court which required special attention to the exterior wall and roof design.

**Lauderdale Lakes Community Center, Lauderdale Lakes, Florida**

Park project for a new community center. The facility consists of two buildings, a 6,000 square-foot activity building, and a 2,000 square foot athletic center that share an outdoor landscaped plaza.

Longitude Surveyors, LLC, formerly known as P(3)SM, LLC, is a Disadvantaged Business Enterprise (DBE) and Community Business



Enterprise (CBE) established in 2004. Since its inception,

Longitude has performed work for the Department of Transportation, Miami-Dade County and various municipalities such as the Village of Pinecrest, Village of Palmetto Bay, Town of Cutler Bay, City of Miami, City of Doral, City of Hialeah, City of Miami Beach, City of Miami Shores, City of Homestead, El Portal and City of Coral Gables. Longitude has built a solid reputation among some of the top engineering firms in South Florida. Longitude has a qualified staff, working with the latest equipment to provide professional surveying services for any company's needs.

**Topographic Survey of Village of Key Biscayne- Green Park, Florida**

Longitude performed and prepared a boundary/topographic survey within the survey limits to include the following information:

- Longitude located all property corners, building, poles (including guy wires), fences and all other significant above ground features.
- Obtained existing cross sections (spot elevations).
- Established horizontal and vertical controls for future construction.
- Located all above-ground and underground utilities.
- Performed a Tree Survey

**Completion date**

2006

**Client**

Stantec/ C3TS, Sean Compel  
(305) 445-2900 ext 22

**Topographic Survey for 17530 W. Dixie Highway, North Miami Beach(Greynolds Park), Florida**

Longitude performed and prepared a topographic survey including:

- Established vertical and horizontal control for future construction
- All utility information provided
- Cross sections (spot elevations)
- Tree information
- All improvements shown from right-of-way to right-of-way

**Completion date**

2014

**Client**

Gurri, Matute, P.A.  
(305) 661-0069

## Topographic Survey for North Dade Optimist Park, Miami, Florida

Longitude performed a stake out of four corners, dimensions on the driveway approach on N.W. 12th Avenue, elevations and edge of pavement, tie dimensions to the property line of the football field at the North Dade Optimist Park site, 19455 N.W. 12th Avenue, Miami Gardens, Florida 33169

Longitude used the latest in sub-surface locating equipment, including Ground Penetrating Radar (GPR) and designated those lines shown as existing on distribution plan. The survey will include all aboveground improvements, such as the following items: sidewalks, walkways, utility covers, valves, valve boxes, electric meters, buildings, signs, manholes, catch basins, edge of pavements, FP&L transformer. The survey will depict all underground lines as per their onsite inspection. Elevations will be taken on an approximate 100-foot grid, including all high and low points.

### **Completion date**

2014

### **Client**

APCTE

Juan Muniz

(305) 592-7283



Delta G Consulting Engineers, Inc. was founded in 1992. They are a full service consulting engineering firm dedicated to providing their clients with the highest quality electrical, mechanical, plumbing and fire protection engineering services at a competitive cost.



Delta G office has a total of 20 engineers and support staff including four registered professional engineers, two CIPE's and eight LEED Accredited Professionals. 87% of their engineering staff are LEED AP's. Delta G is the premier LEED firm in Florida with over 1,061,000 s.f. of LEED built environment already in place.

**Central Broward Rec. Park, Broward County, Florida**

Services included detailed construction documents for electrical, mechanical and plumbing systems with specifications and coordination with regulatory agencies and building departments for permit.

**Completion Date**

2011

**Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

**Markham Park Maintenance Building, Davie, Florida**

This was a new building. Delta G was responsible for the M/E/P systems with specifications and coordination with regulatory agencies and building departments for permit.

**Completion Date**

2010

**Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

**Tradewinds Park Admin. Bldg., Pompano Beach, Florida**

This contact was for a LEED Certified project. Delta G provided all M/E/P engineering design for this project.

**Completion Date**

2010

**Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

### **Pompano Park Phase III, Pompano Beach, Florida**

The scope of work for this project involves the replacement of the existing restrooms building with a new concessions and restroom building. Also included was new field lighting and controls for Ball field #2 outfield lighting and the Football/Soccer field and the replacement of the existing electrical service with new S.S. service equipment at the east side of Ball field #2.

#### **Completion Date**

2009

#### **Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

### **North Broward Park, Broward County, Florida**

This contract was for the Engineering design of the electrical systems including normal power distribution, lighting controls, lightning protection, and telephone distribution. Engineering Design of the plumbing and piping systems included domestic water distribution, sanitary collection and condensate piping.

#### **Completion Date**

2008

#### **Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

### **Sunview Park, Broward County, Florida**

This contract was for the engineering design of the electrical systems including normal power distribution, lighting controls, lightning protection, and telephone distribution. engineering design of the plumbing and piping systems included domestic water distribution, sanitary collection and condensate piping.

#### **Completion Date**

2008

#### **Client**

WZA Architects, Inc.  
Abbass Zackria  
(954) 522-4123

**Professional Service Industries, Inc.** is a nationally recognized consulting engineering and testing firm providing integrated services in several



disciplines, including geotechnical engineering, construction materials testing and engineering, facilities engineering and consulting,

environmental consulting, asbestos management and industrial hygiene. PSI is a leader among the nation's independent testing organizations and ranks among the largest consulting engineering firms in the country.

**Bernstein Park – Proposed Soccer Field, Stock Island, Key West, Florida**

The project included the construction of a soccer field and associated stormwater management systems at the Bernstein Park. The conversion to soccer field involved re-grading an approximate 112,000 square foot area of the site by elevating its current site grades by one foot.

**Completion date**

September 2012

**Client**

Monroe County Engineering/Project Development/Wastewater  
Ms. Ann M. Riger

**Proposed N.W. 114th Avenue Park, Doral, Florida**

The overall project as we understand will consist of the following new components: Playfields consisting of soccer fields, a baseball field, tennis courts, and basketball courts. A two-story recreational center and a pedestrian bridge across N.W. 114th Avenue that will connect the recreational center to the playfields situated east of N.W. 114th Avenue. Miscellaneous structures consisting of restroom facilities, storage areas, band shell and shelter structures at various locations within the property. Paved parking/drive areas within the northern perimeter of the property and drainage systems consisting of exfiltration trenches and retention ponds.

**Completion date**

June 2014 to ongoing

**Client**

City of Doral  
Mr. Jorge Gomez, P.E., Chief of Engineering

**Danny Meehan Park Improvements, Medley, Florida**

The project will involve the construction of a bathroom facility, new paved parking area, dry retention area, basketball court and soccer field as part of the park improvements. In addition, the improvements will include a stormwater management system(s).

**Completion date**

June 2014 to ongoing

**Client**

ATKINS

Mr. John Wilt, P.E., Senior Engineer III





## **G. Principal in Charge's Experience**

## Principal in Charge's Experience



### SE 15th St Boat Launch & Marine Complex, Fort Lauderdale, Florida

As part of its general civil engineering contract, Chen Moore and Associates was asked to design and permit upgrades to the parking lot located at 1784 SE 15th Street.



The property covers approximately 29,000 SF and has two boat ramps, a marina and the police water unit building. The parking lot currently provides 58 parking spaces for vehicles with attached boat trailers only, one of the spaces being handicap accessible.

The scope of services includes removing the existing fixed docks and replacing them with new floating concrete docks for City use and proposing drainage and lighting upgrades to bring the lot up to City Code compliance. Chen Moore and Associates was responsible for the site layout, DRC and P&Z approvals, permitting as well as for coordinating with all other disciplines.

#### Construction Cost

\$2,700,000

#### Completion Date

2015

#### Client

City of Fort Lauderdale  
Antoinette Butler  
(954) 828-3714



## Orange Bowl Field at Carter Park, Ft Lauderdale, Florida

As part of its celebration of the National Title Game held at the Orange Bowl in January 2013, the Orange Bowl Committee hired the team of Carty Architecture (architecture) and Chen Moore and Associates (civil engineering) to design a synthetic turf football field and track within Joseph Carter Park in Ft. Lauderdale. CMA performed utility coordination, preliminary and final engineering design, government permitting, bidding assistance and construction observation services. The design included the demolition of two existing baseball fields, extensive drainage modeling and relocation, realignment of parking lot and drive aisles, and tree relocations. The new design includes a field underdrain system interconnecting to the overall park's storm water management system.

### **Construction Cost**

\$3,000,000

### **Completion Date**

2015

### **Client**

The Orange Bowl Committee  
Jeffrey Williamson  
(305) 374-3898



## North Shore Bandshell Park Improvements, Miami Beach, Florida

This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the “Beatles Mandala”, a mosaic tile artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

### **Construction Cost**

\$1,400,000

### **Completion Date**

2013

### **Client**

Borrelli & Partners Inc  
Jim Borrelli  
(305) 665-8852





## Project Experience

## Manager's



### Westside Park Baseball Field, Deerfield Beach, Florida

Chen Moore and Associates is providing design, permitting and construction engineering inspection services for the conversion of an existing football field to one little league baseball field and one practice



baseball field for the City of Deerfield Beach Parks and Recreation Department. The project is located in Westside Park, which is a 15 acre park located south of Hillsboro Boulevard, offering two lighted basketball courts, a football field with concession stand, two lighted



tennis courts, a full service recreation center, full size gym, picnic areas and a newly renovated playground. CMA is responsible for providing survey, geotechnical, engineering, landscape architecture, MEP and structural engineering

services. The scope of the project includes the layout of the baseball fields with supporting services such as lighting, dugouts, scoreboards and irrigation. The project also includes general improvements to the park around the baseball fields including better pedestrian access, ADA parking and sidewalk improvements, native landscaping, outdoor seating areas and stormwater improvements. The project is located in an underserved community of Deerfield Beach and will provide access to improved parks and recreation services for the community.

#### **Construction Cost**

\$1,600,000

#### **Completion Date**

2013

#### **Client**

City of Deerfield Beach

Kara Petty

(954) 480-4483

## Downtown Coral Springs Art Walk, Coral Springs, Florida

Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the “Art Walk”, which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

### Construction Cost

\$4,100,000

### Completion Date

2013

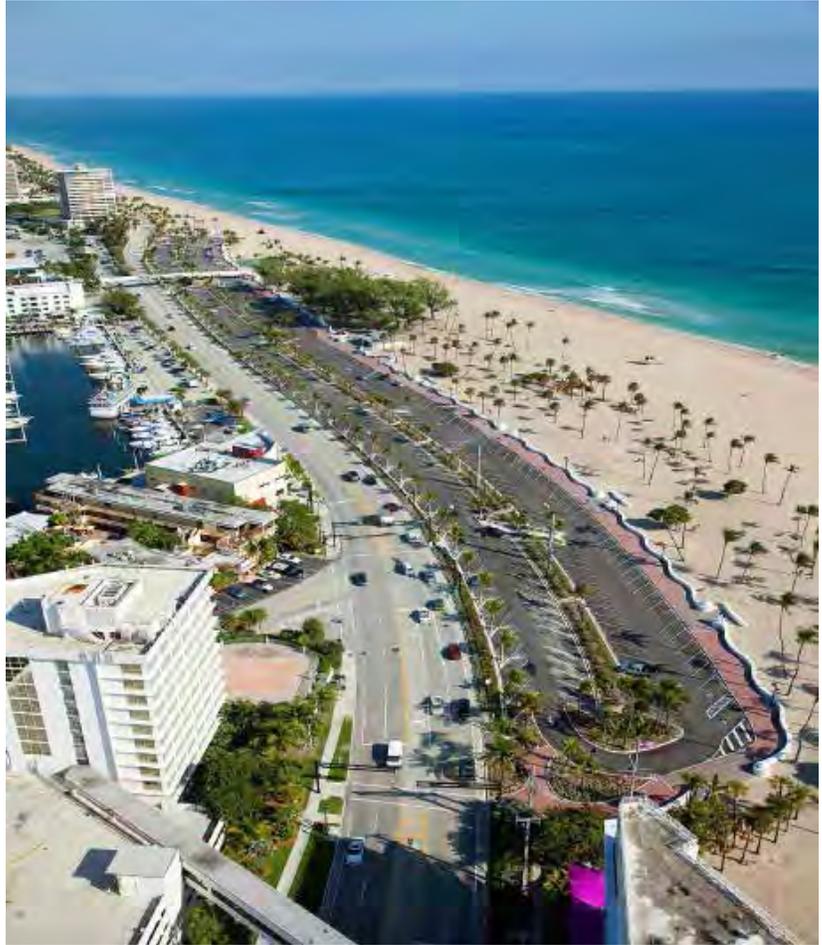
### Client

City of Coral Springs  
Elizabeth Taschereau  
(954) 344-1121



## Fort Lauderdale Beach Park, Fort Lauderdale, Florida

The purpose of this project was to provide the restoration and enhancement of the City-owned 6.5-acre “South Beach” parking lot, located along SR A1A, south of Las Olas Boulevard. The scope of work includes bringing the parking lot into ADA compliance per requirements of consent decree, replacing a deteriorating low profile wall and sidewalk approximately 2100 feet in length, replacing existing lighting with turtle-compliant fixtures, and designing additional landscaping. Chen Moore and Associates prepared the required DRC submittal, which included all required public purpose approvals, as well as a conceptual layout of a new entrance at the southern end of the parking lot. This project was a joint effort between various City departments, including the City of Fort Lauderdale Beach Community Redevelopment Agency and Parking Services.



### **Construction Cost**

\$3,400,000

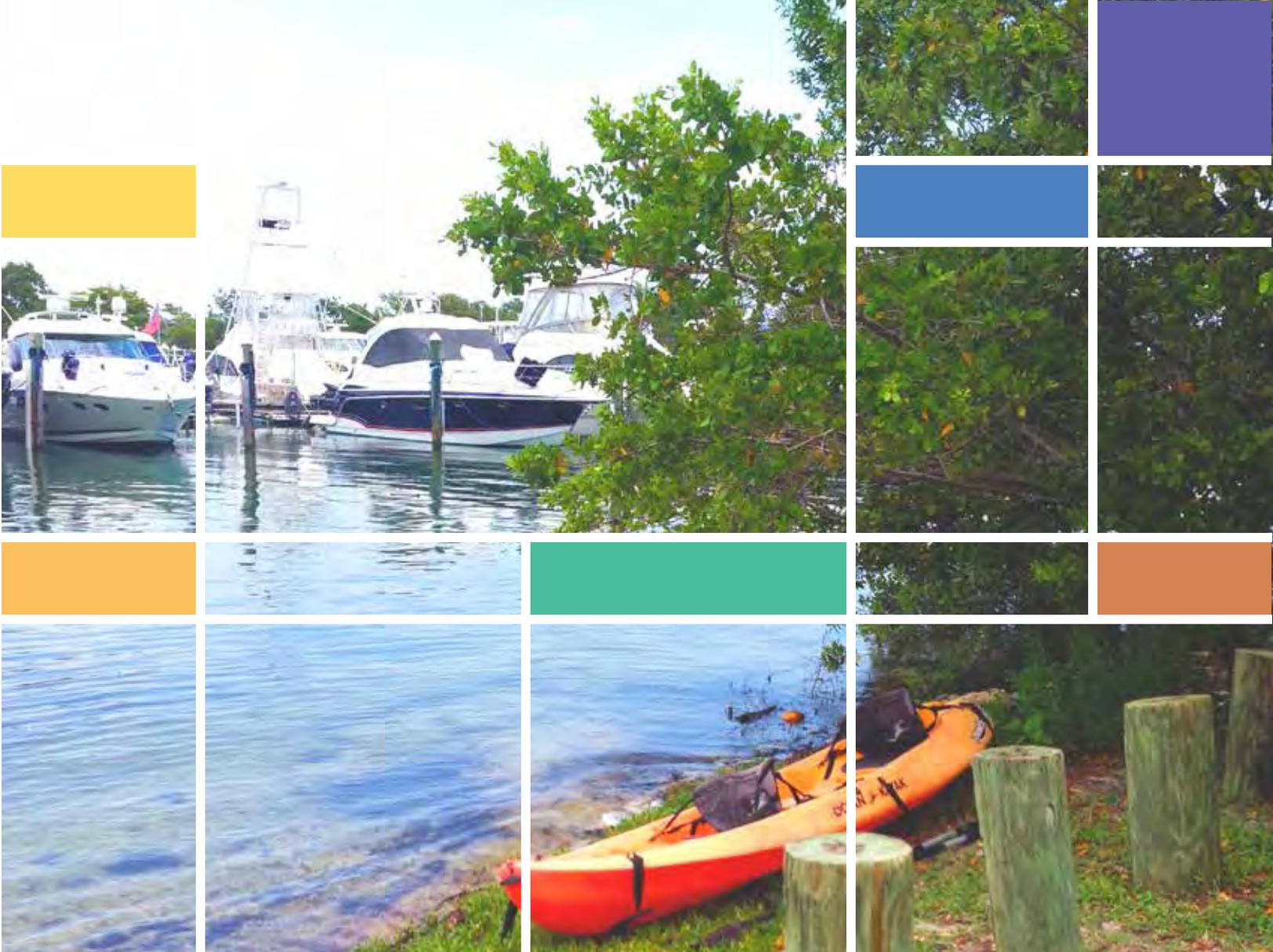
### **Completion Date**

2012

### **Client**

City of Fort Lauderdale  
Earl Prizlee, PE  
(954) 828-6522





## I. Insurance





## J. Project Team

## Project Team

**Peter Moore, P.E., LEED AP** is ultimately responsible for all day to day operations of the firm. Mr. Moore works as the Client Project Manager for work in Broward County, Pompano Beach and Deerfield Beach and continues to be involved in the successful completion of projects. These projects include sanitary collection improvements, pump station rehabilitation, transportation engineering enhancements, water and reclaimed water consulting along with all other phases of civil engineering design and neighborhood improvements. Additionally, Mr. Moore serves as the Assistant City Engineer for the City of Coral Springs and is the spokesperson for the City's Engineering Division. Finally, Mr. Moore serves on the firm's QA/QC Committee ensuring the consistency of the quality product throughout the firm.

**Jose Acosta, P.E.** has over 15 years of design and project management experience in various industries, including municipal continuing service contracts, K-12 education, higher education, healthcare, transportation, and commercial/residential/industrial private development. His background includes neighborhood improvement projects, streetscape enhancements, utility relocation, on- and off-site infrastructure design, bidding assistance and construction administration services for several municipalities throughout Miami-Dade, Broward and Palm Beach Counties.

**Cristobal Betancourt, RLA** is Chen Moore and Associates' Director of Landscape Architecture and Planning. He has experience providing planning and landscape architecture design solutions for public and private sector clients. Mr. Betancourt provides a full range of services starting with due diligence and master planning culminating in detailed site design. He is well versed in the use of low-impact development techniques applied to site planning.

**Eric Harrison, RLA** has over 10 years of landscape architecture experience with several municipalities throughout South Florida. He has provided design services for parks and recreation, university campuses, K-12 education, corporate office, commercial developments and healthcare facilities.

**Jason Sutton, RLA** is a project landscape architect with CMA. He has seven years of experience providing landscape architecture services to public and private clients domestically and internationally. Mr. Sutton began his career by working in the landscape construction industry and adds significant field knowledge to our team. He has provided landscape, hardscape, and irrigation design for diverse projects such as parks, cemeteries, resorts, and transportation projects and is well versed in Low Impact Development techniques. He also brings experience with environmental and wildlife monitoring.

**Stephanie Bou-Ghannam** recently joined CMA as an associate landscape architect. Her experience includes conceptual site design, layout, construction details, finish specifications and planting design.

She has experience with sketchup models, hand and photoshop rendered conceptual drawings , planting plans, schedules and construction documents.

**Stefan Bortak, CID** is a certified irrigation designer - commercial for Chen Moore and Associates. He has more than eight years of experience with all aspects of irrigation consulting, design, details and specifications. He prepares landscape, hardscape, and irrigation plans from concept to construction documents; irrigation distribution plans; water use permits; water use analysis; LEED documentation and calculations. Mr. Bortak also performs construction administration, shop drawing review, and inspections. He is responsible for producing plan and section renderings and graphics, and realistic 3D renderings and fly-through videos.

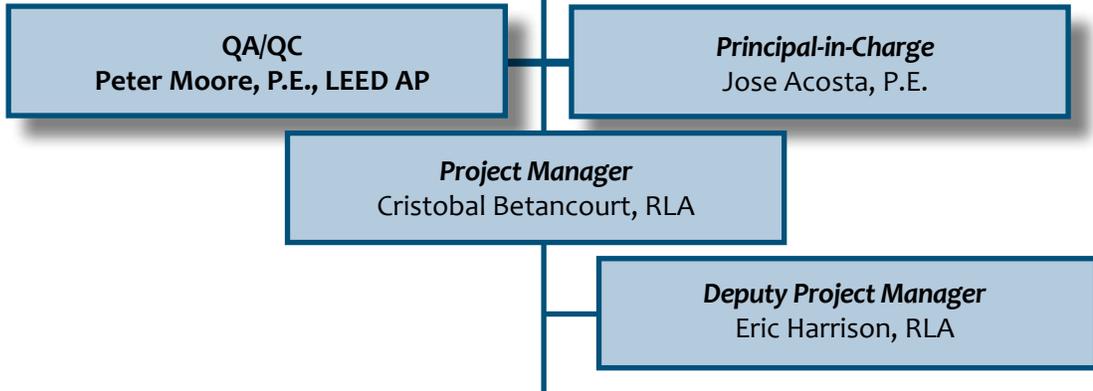
**Michael Buick, P.E.** is a senior engineer in our Miami office and has over 12 years of experience in site development. His experience includes planning, design, permitting and construction administration of site infrastructure including site paving, grading and drainage and site utility plans for land development projects.

**Peter Dueño, P.E.** currently serves as an associate engineer with Chen Moore and Associates. He holds a Bachelors Degree in Civil Engineering from the University of Florida. He is currently a project engineer on the City Center and South Pointe Right of Way Improvement Projects for the City of Miami Beach. He has also worked as a project engineer in neighborhood improvement projects for the Cities of Dania Beach, North Miami Beach, Key West, and Pinecrest, as well as Miami-Dade DERM. His experience includes planning, pavement marking and signage, streetscape, stormwater modeling and design, water main design, permitting, and cost estimating.

**Jose McCray** is a senior inspector for Chen Moore and Associates. Mr. McCray has over 31 years of construction experience, from surveying through project management. His present responsibilities include coordination and monitoring of construction activities including governmental projects and site development for residential, commercial and industrial use projects. He serves as liaison to owners, contractors, subcontractors, residents and governmental agencies. Additional responsibilities include overseeing the review/processing of change orders, progress payments and reports, and representation of owners and engineers at pre-construction meetings and other related conferences.



# Organization Chart



## Support Staff

<p><b>Landscape Architecture</b> Jason Sutton, RLA Stephanie Bou-Ghannam Stefan Bortak, CID</p> <p><b>Civil Engineering</b> Michael Buick, P.E. Peter Dueño, P.E.</p> <p><b>Construction Engineering and Inspections</b> Jose McCray</p>	<p><b>Architect</b> Chris Zimmerman, AIA Jayson Hall</p> <p><b>Parks Programming/Public Outreach</b> Kristin Caborn, CPRE, FCP Thomas Johnson, RLA, LEED AP Tyler Peterson</p>	<p><b>MEP</b> Igor Loncarevic Jose Martinez Norelkis Roman</p> <p><b>Structural</b> Juan Fuentes, P.E.</p> <p><b>Geotechnical Engineering</b> Dhuruva (Dru) Badri, P.E. Paul Passe, P.E., CPM</p> <p><b>Surveying</b> Eduardo Suarez, PSM</p>
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## Subconsultants

<p>CPZ Architects Inc Atkins United Engineering Inc Longitude Surveyors LLC Delta G Consulting Engineers, Inc. Professional Service Industries, Inc. (PSI)</p> <p>+SBE</p>
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*Peter M Moore, PE, LEED AP  
President and CEO*

**Education**

Bachelor of Science, Civil Engineering, University of Florida, 1997

Master of Engineering, Civil Engineering, University of Florida, 2004

**Registration**

Professional Engineer, Florida, 58709, 2002

**Professional Affiliations**

American Society of Civil Engineers

Florida Engineering Society

Florida Engineering Society

Florida Stormwater Association

National Society of Professional Engineers

**Certifications**

Certified Stormwater Inspector

LEED Accredited Professional

As the President of the firm, Mr. Moore is ultimately responsible for all day to day operations of the firm. Mr. Moore works as the Client Project Manager for work in Broward County, Pompano Beach and Deerfield Beach and continues to be involved in the successful completion of projects. These projects include sanitary collection improvements, pump station rehabilitation, transportation engineering enhancements, water and reclaimed water consulting along with all other phases of civil engineering design and neighborhood improvements. Additionally, Mr. Moore serves as the Assistant City Engineer for the City of Coral Springs and is the spokesperson for the City's Engineering Division. Finally, Mr. Moore serves on the firm's QA/QC Committee ensuring the consistency of the quality product throughout the firm.

**Project Experience**

**Fort Lauderdale Beach Park.** The purpose of this project was to provide the restoration and enhancement of the City-owned 6.5-acre "South Beach" parking lot, located along SR A1A, south of Las Olas Boulevard. The scope of work includes bringing the parking lot into ADA compliance per requirements of consent decree, replacing a deteriorating low profile wall and sidewalk approximately 2100 feet in length, replacing existing lighting with turtle-compliant fixtures, and designing additional landscaping. Chen Moore and Associates prepared the required DRC submittal, which included all required public purpose approvals, as well as a conceptual layout of a new entrance at the southern end of the parking lot. This project was a joint effort between various City departments, including the City of Fort Lauderdale Beach Community Redevelopment Agency and Parking Services.

**Falcons Lea Park Design.** Chen Moore and Associates was the designer for the paving and drainage improvements for the development of Falcons Lea Park from a previously undeveloped parcel. The project included designing a walking path around the park with stations for exercises, a tot lot, creating a conceptual design for future building locations, construction of a deceleration turn lane on a county road into the property, revision of a Non-Vehicular Access Line (NVAL), designing an expansion to the parking lot, adjusting a grading plan of the existing lake, and designing a boat ramp for access to the lake for maintenance.

Permitting was required through Broward County and South Broward Drainage District. The drainage permit required setting the elevations of future buildings and determining runoff calculations. This was achieved through creating a 3-D surface model of the park in GIS and adjusting elevations. The model provided stage storage values for the Cascade program.

**Whispering Woods Park.** Chen Moore and Associates was responsible for the design and permitting of the paving and drainage improvements for the development of Whispering Woods Park from a previously undeveloped parcel. This project included the design of a new turn lane into the property,

parking facilities, utilities for a restroom and the grading and layout of the entire park.

Subsequent to the design phase, Chen Moore was retained to assist the City in coordinating the completion of the adjacent mitigation bank contract and the restroom/pavilion contract with structures spaced throughout Chen Moore's site plan. Portions of the project were paid for using FRDAP grants and Chen Moore assisted the City in closing out those grants.

**Coral Springs Riverside Park Improvements.** Chen Moore and Associates is providing drainage and landscaping improvements to an existing city park.

**Deerfield Beach Main Beach Parking Area Improvements.** Chen Moore and Associates provided conceptual planning to address traffic circulation, landscaping, lighting, parking layout, drainage and existing facility conditions. The conceptual plan has incorporated additional areas for pedestrian use including seating areas and multi-use areas for special events. The project is located in a coastal zone requiring coordination and permitting through the Florida Department of Environmental Protection for work east of the Coastal Construction Control Line (CCCL). There is also a fire station on the site requiring close coordination with the City of Deerfield Beach Fire Department to facilitate emergency response.

*Jose Luis Acosta, PE  
Vice President of  
Marketing/Branch Manager -  
Miami*

**Education**

Masters of Business  
Administration, Master of  
Business Administration,  
Auburn University, 2003  
Bachelor of Science, Civil  
Engineering, University of  
Miami, 1999  
Bachelor of Science,  
Architectural Engineering,  
University of Miami, 1999

**Registration**

Professional Engineer,  
Florida, 63827, 2004  
Natl. Council of Examiners  
for Eng. & Surveying, 41987

**Professional Affiliations**

American Society of Civil  
Engineers  
  
Cuban American Association  
of Civil Engineers  
  
Florida Engineering  
Foundation  
  
Florida Engineering  
Leadership Institute  
  
Florida Engineering Society  
  
National Society of  
Professional Engineers  
  
Society of Military Engineers  
  
Urban Land Institute

**Certifications**

Stormwater Management  
Inspector  
ICPR Modeler (Streamline  
Technologies)

Mr. Acosta has over 15 years of design and project management experience in various industries, including municipal continuing service contracts, K-12 education, higher education, healthcare, transportation, and commercial/residential/industrial private development. His background includes neighborhood improvement projects, streetscape enhancements, utility relocation, on- and off-site infrastructure design, bidding assistance and construction administration services for several municipalities throughout Miami-Dade, Broward and Palm Beach Counties.

**Project Experience**

**Miami Gardens YMCA/FC Barcelona Soccer Field.** CMA worked with Borrelli Architects to design the demolition, earthwork, paving, grading, drainage, landscape architecture and irrigation plans for a park master plan that included professional level soccer field, a baseball field and a multi-purpose field (flag football and soccer) within the existing property adjacent to the existing YMCA Miami Gardens facility located in Miami Gardens. The scope included final design for the professional level soccer field including the earthwork and mainline drainage noted above. Services include government permitting with PERA (formerly DERM) and Miami Gardens, bidding assistance, construction observation and closeout services.

**North Shore Bandshell Park Improvements.** This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the “Beatles Mandala”, a mosaic tile artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

**Orange Bowl Field at Carter Park.** As part of its celebration of the National Title Game held at the Orange Bowl in January 2013, the Orange Bowl Committee hired the team of Carty Architecture (architecture) and Chen Moore and Associates (civil engineering) to design a synthetic turf football field and track within Joseph Carter Park in Ft. Lauderdale. CMA performed utility coordination, preliminary and final engineering design, government permitting, bidding assistance and construction observation services. The

design included the demolition of two existing baseball fields, extensive drainage modeling and relocation, realignment of parking lot and drive aisles, and tree relocations. The new design includes a field underdrain system interconnecting to the overall park's storm water management system.

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

**Riverside Park Improvements.** Chen Moore and Associates is providing drainage and landscaping improvements to an existing city park.

**Cooper City Soccer Park.** Chen Moore and Associates designed and permitted the earthwork and master drainage system for the proposed Cooper City Soccer Park. The task included planning for the ultimate buildout of the site by the City and included permitting through the Central Broward Water Control District and the South Florida Water Management District including addressing on-site proposed wetland mitigation and expanding two adjacent CBWCD canals adjacent to the site. Scope included bidding assistance, construction administration and close out.

*Cristobal A Betancourt, RLA  
Director of Planning and  
Landscape Architecture*

**Education**

Bachelor of Science,  
Landscape Architecture,  
Cornell University, 1995

**Registration**

Registered Landscape  
Architect, Florida,  
LA6666941, 2008  
Registered Landscape  
Architect, New Jersey,  
AA000949, 2006  
Registered Landscape  
Architect, New York, 001959,  
2005

**Professional Affiliations**

American Planning  
Association

American Society of  
Landscape Architects

Florida Recreation and Park  
Association

Florida Network of Research,  
Science, and Technology  
Parks

International Society of  
Arboriculture

National Association of  
Industrial and Office Parks

Urban Land Institute

**Certifications**

Council of Landscape  
Architectural Registration  
Board

Mr. Betancourt is Chen Moore and Associates' Director of Landscape Architecture and Planning. He has experience providing planning and landscape architecture design solutions for public and private sector clients. Mr. Betancourt provides a full range of services starting with due diligence and master planning culminating in detailed site design. He is well versed in the use of low-impact development techniques applied to site planning.

**Project Experience**

**Veterans Wayside Park.** Chen Moore and Associates developed master plan concepts for the Veterans Wayside Park (VWP) in the Village of Pinecrest. VWP is the only passive, unprogrammed park in the Village. The site consists of a one half acre lake surrounded by passive open spaces with a mature tree canopy and a modest veteran's memorial. The site is bounded on the west side by the very heavily trafficked Pinecrest Parkway. The master plan assignment arose as the result of a group of local citizens that were petitioning the City for conversion of the site into an off leash dog park. CMA developed two concepts for the 3.25 acre park. One concept focused on incorporating large dog and small dog areas into the park, while the second added modest improvements such as pedestrian pathways and seating areas to enhance the park for passive use. Both concepts recommended enhancing the existing veteran's memorial. CMA's scope of work included public input sessions, master plan and opinion of probable cost services. The master plans were presented to the public at Village commission.

**IVA Passive Park (FAU).** Chen Moore and Associates provided landscape architecture services for the existing student housing known as Innovation Village, east of FAU's football stadium on the Boca Raton Campus. This project converts approximately .5 acres of unused green space, located between two existing utility buildings and FAU Boulevard into a passive park for the residents of Innovation Village. CMA was commissioned to develop a multi-purpose venue to provide open play, gathering space and quiet study. A large lawn is the focal point of the park situated, between the existing buildings. The south building will be retrofitted to accommodate projection screens for movies, announcements or projects. Fixed seating under a canopy of palms at the north end of the site will provide a quiet area for contemplation and study. A mixture of trees, shrubs and vines, in conjunction with living walls (greenscreens) encompass the park to provide visual interest, as well as, noise abatement from the surrounding campus.

**North Shore Bandshell Park Improvements.** This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the "Beatles Mandala", a mosaic tile

artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

**Miami Gardens YMCA/FC Barcelona Soccer Field.** CMA worked with Borrelli Architects to design the demolition, earthwork, paving, grading, drainage, landscape architecture and irrigation plans for a park master plan that included professional level soccer field, a baseball field and a multi-purpose field (flag football and soccer) within the existing property adjacent to the existing YMCA Miami Gardens facility located in Miami Gardens. The scope included final design for the professional level soccer field including the earthwork and mainline drainage noted above. Services include government permitting with PERA (formerly DERM) and Miami Gardens, bidding assistance, construction observation and closeout services.

**Moore Park.** Moore Park is a 14-acre park in the City of Miami, Florida that will feature a LEED designed community center, ball fields, tennis courts, and other amenities. Chen Moore and Associates (CMA) provided irrigation consulting and design services through Rain Bird Corporation for the City of Miami Department of Parks and Recreation. The irrigation design featured high efficiency irrigation nozzles and controller technology with advanced flow sensing and evapotranspiration adjustment capabilities. The CMA design team worked closely with the client to ensure the system design incorporated best irrigation practices, met city specifications, be easy to maintain and be familiar to the maintenance staff. In addition to design, CMA provided design documentation and calculations for achieving LEED water efficient landscape credits.

**Fort Lauderdale Beach Park.** The purpose of this project was to provide the restoration and enhancement of the City-owned 6.5-acre "South Beach" parking lot, located along SR A1A, south of Las Olas Boulevard. The scope of work includes bringing the parking lot into ADA compliance per requirements of consent decree, replacing a deteriorating low profile wall and sidewalk approximately 2100 feet in length, replacing existing lighting with turtle-compliant fixtures, and designing additional landscaping. Chen Moore and Associates prepared the required DRC submittal, which included all required public purpose approvals, as well as a conceptual layout of a new entrance at the southern end of the parking lot. This project was a joint effort between various City departments, including the City of Fort Lauderdale Beach Community Redevelopment Agency and Parking Services.

**Mullins Park Pathways.** Chen Moore and Associates developed a master plan for a new pathway system for Mullins Park in the City of Coral Springs. CMA is providing final design and construction administration. The project requires the development of paving, grading, and landscape plans for DRC approval and permitting through the Sunshine Water Control District and SFWMD. The pathways are made of a flexible surface to prevent injuries for pathway users. The layout required that the path be developed sensitively through the park to connect to existing features, such as baseball fields, children's play areas, other existing sports fields and to limit disturbance to existing mature canopy trees.

*Eric D Harrison, RLA  
Landscape Architect*

**Education**

Bachelor of Science,  
Landscape Architecture,  
University of Florida, 2002  
Associate of Arts, Palm  
Beach Community College,  
1996

**Registration**

Registered Landscape  
Architect, Florida,  
LA6667129, 2012

**Professional Affiliations**

N/A

**Certifications**

N/A

Mr. Harrison has over 10 years of landscape architecture experience with several municipalities throughout South Florida. He has provided design services for parks and recreation, university campuses, K-12 education, corporate office, commercial developments and healthcare facilities.

**Project Experience**

**Veterans Wayside Park.** Chen Moore and Associates developed master plan concepts for the Veterans Wayside Park (VWP) in the Village of Pinecrest. VWP is the only passive, unprogrammed park in the Village. The site consists of a one half acre lake surrounded by passive open spaces with a mature tree canopy and a modest veteran's memorial. The site is bounded on the west side by the very heavily trafficked Pinecrest Parkway. The master plan assignment arose as the result of a group of local citizens that were petitioning the City for conversion of the site into an off leash dog park. CMA developed two concepts for the 3.25 acre park. One concept focused on incorporating large dog and small dog areas into the park, while the second added modest improvements such as pedestrian pathways and seating areas to enhance the park for passive use. Both concepts recommended enhancing the existing veteran's memorial. CMA's scope of work included public input sessions, master plan and opinion of probable cost services. The master plans were presented to the public at Village commission.

**Riverside Park Improvements.** Chen Moore and Associates is providing drainage and landscaping improvements to an existing city park.

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

**Mullins Park Pathways.** Chen Moore and Associates developed a master plan for a new pathway system for Mullins Park in the City of Coral Springs. CMA is providing final design and construction administration. The project requires the development of paving, grading, and landscape plans for DRC approval and permitting through the Sunshine Water Control District and SFWMD. The pathways are made of a flexible surface to prevent injuries for pathway users. The layout required that the path be developed sensitively through the park to connect to existing features, such as baseball fields, children's play areas, other existing sports fields and to limit disturbance to existing mature canopy trees.

**Westside Park Baseball Field.** Chen Moore and Associates is providing design, permitting and construction engineering inspection services for the conversion of an existing football field to one little league baseball field and one practice baseball field for the City of Deerfield Beach Parks and Recreation Department. The project is located in Westside Park, which is a 15 acre park located south of Hillsboro Boulevard, offering two lighted basketball courts, a football field with concession stand, two lighted tennis courts, a full service recreation center, full size gym, picnic areas and a newly renovated playground. CMA is responsible for providing survey, geotechnical, engineering, landscape architecture, MEP and structural engineering services. The scope of the project includes the layout of the baseball fields with supporting services such as lighting, dugouts, scoreboards and irrigation. The project also includes general improvements to the park around the baseball fields including better pedestrian access, ADA parking and sidewalk improvements, native landscaping, outdoor seating areas and stormwater improvements. The project is located in an underserved community of Deerfield Beach and will provide access to improved parks and recreation services for the community.

**IVA Passive Park (FAU).** Chen Moore and Associates provided landscape architecture services for the existing student housing known as Innovation Village, east of FAU's football stadium on the Boca Raton Campus. This project converts approximately .5 acres of unused green space, located between two existing utility buildings and FAU Boulevard into a passive park for the residents of Innovation Village. CMA was commissioned to develop a multi-purpose venue to provide open play, gathering space and quiet study. A large lawn is the focal point of the park situated, between the existing buildings. The south building will be retrofitted to accommodate projection screens for movies, announcements or projects. Fixed seating under a canopy of palms at the north end of the site will provide a quiet area for contemplation and study. A mixture of trees, shrubs and vines, in conjunction with living walls (greenscreens) encompass the park to provide visual interest, as well as, noise abatement from the surrounding campus.

**Jason T Sutton, RLA**  
**Landscape Architect**

**Education**

Bachelor of Science,  
Landscape Architecture,  
University of Florida, 2007

**Registration**

Registered Landscape  
Architect, Florida,  
LA6667189, 2014

**Professional Affiliations**

N/A

**Certifications**

Certified Landscape  
Inspector

Mr. Sutton is a project landscape architect with CMA. He has seven years of experience providing landscape architecture services to public and private clients domestically and internationally. Mr. Sutton began his career by working in the landscape construction industry and adds significant field knowledge to our team. He has provided landscape, hardscape, and irrigation design for diverse projects such as parks, cemeteries, resorts, and transportation projects and is well versed in Low Impact Development techniques. He also brings experience with environmental and wildlife monitoring.

At CMA, Mr. Sutton is responsible for providing support in the design, permitting, and construction administration of landscape architecture led projects.

**Project Experience**

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

**Dixie Highway Improvements.** The City of Wilton Manors retained Chen Moore and Associates to design a roadway improvement along a portion of North Dixie Highway within the City limits. The project was partially funded by FDOT through their Local Agency Program (LAP). The project limits included the public right of way of North Dixie Highway from the bridge at the City limits on the south to the Five Points intersection with Wilton Drive/NE26 Street on the north. This section of North Dixie Highway includes approximately 2,200 linear feet of roadway within public right of way which varies between 50 feet and 60 feet wide. The intention of the project was to implement the following elements along North Dixie Highway within the project limits:

- Install new bicycle lanes along the corridor on both sides of roadway
- Install new curbing and gutter to accommodate new roadway section
- Install new pedestrian sidewalks to accommodate new roadway section
- Install pedestrian level lighting along new sidewalk as allowed by adjacent private property
- Install limited landscaping in available right of way areas along corridor
- Modify existing drainage facilities to accommodate new roadway section

In order to implement new bicycle lanes along Dixie Highway, the roadway cross section was modified along the majority of the project limits. The modified roadway cross section was wider than the existing roadway cross section, which required the removal of some existing curbing and sidewalks along with the relocation of some existing drainage facilities. The configuration of the driveway access to private properties, especially within the north portion of the project, limited the implementation of all project elements in these areas due to pull in park

**Manatee Viewing Center.** Working as a subconsultant to Song and Associates, Chen Moore and Associates is providing civil engineering and landscape architecture services for the site design, permitting, and construction administration of an environmental education center for Florida Power and Light. The facility is located at FP&L's Riviera Beach Energy Facility along the Intracoastal Waterway. The center is envisioned as an educational facility providing the public knowledge about Florida's coastal marine habitats. CMA is responsible for providing all site design including site planning, hardscape, landscape, lighting, irrigation, drainage and utilities design. The site was used for construction trailers and parking during the construction of FPL's Energy Plant. The site contains specimen trees that are being preserved in place. Utilizing Low Impact Development (LID) site design techniques, CMA has developed an outdoor program that includes a sculpture filled waterfront plaza along the river and a constructed wetland with boardwalk for public education. The sites amenities include outdoor seating areas, picnic areas, bicycle parking, two existing boat docks and native landscaping. The site is being designed to hold and treat all stormwater on the site through the latest Best Management Practices in Stormwater Management including pervious surfaces and natural treatment trains.

**FIU-Biscayne Bay Campus Student Housing.** Chen Moore and Associates currently works as a subconsultant to PGAL for the design, permitting and construction administration of a new 595 bed student dormitory on the Biscayne Bay Campus of Florida International University. The public private partnership led by the development firm Servitas, provides a state of the art living facility for FIU's students with stunning views of Biscayne Bay. CMA's responsibilities include providing all site services for the project including survey, geotechnical, civil and landscape services. The site program includes a resort style swimming pool with hammocks, barbecue areas, outdoor seating, and cabana, bicycle parking facilities, pedestrian pathways, site seating and a 300 space parking facility. Sandwiched between the Kovens Conference Center and the Marine Sciences building, the five acre site offers many challenges including naturally low topography, sensitive mangrove areas and poor draining soils. CMA is applying its experience with Low Impact Development (LID) techniques to provide site design in the highly constrained site. The project is being designed to a LEED silver standard.

**Stephanie Z Bou-Ghannam**  
**Project Landscape Architect**

**Education**

Bachelor of Science,  
Landscape Architecture,  
University of Florida, 2014

**Registration**

N/A

**Professional Affiliations**

American Society of  
Landscape Architects

American Society of  
Landscape Architects

**Certifications**

N/A

Ms. Bou-Ghannam recently joined CMA as an associate landscape architect. Her experience includes conceptual site design, layout, construction details, finish specifications and planting design. She has experience with sketchup models, hand and photoshop rendered conceptual drawings, planting plans, schedules and construction documents.

**Project Experience**

**Veterans Wayside Park.** Chen Moore and Associates developed master plan concepts for the Veterans Wayside Park (VWP) in the Village of Pinecrest. VWP is the only passive, unprogrammed park in the Village. The site consists of a one half acre lake surrounded by passive open spaces with a mature tree canopy and a modest veteran's memorial. The site is bounded on the west side by the very heavily trafficked Pinecrest Parkway. The master plan assignment arose as the result of a group of local citizens that were petitioning the City for conversion of the site into an off leash dog park. CMA developed two concepts for the 3.25 acre park. One concept focused on incorporating large dog and small dog areas into the park, while the second added modest improvements such as pedestrian pathways and seating areas to enhance the park for passive use. Both concepts recommended enhancing the existing veteran's memorial. CMA's scope of work included public input sessions, master plan and opinion of probable cost services. The master plans were presented to the public at Village commission.

**North 64th Avenue Widening & Utility Improvements.** Chen Moore and Associates provided engineering services for the Seminole Tribe of Florida (STOF) Public Works Department (PWD) and Construction Management Department for the North 64th Avenue Roadway Widening and Utility Improvements Project, located on the Hollywood Seminole Indian Reservation. The project is located on the Hollywood Seminole Indian Reservation from Charleston Street on the south to approximately 100' south of the Stirling Road right-of-way in Broward County, Florida. The Project widens North 64th Avenue approximately 10' 6" to the east to make room for a proposed right-of-way dividing wall between the City of Hollywood and the STOF's Hollywood Reservation. The project also includes the extension of a proposed 16" water main, stormwater improvements, fire access considerations on both sides of the proposed wall, hardscape/landscape improvements, locating a proposed guardhouse and the relocating of an existing City of Hollywood sanitary lift station that serves a segment of the existing residential community in the vicinity as well as the STOF Headquarters Building. The lift station work includes design, permitting and construction services working with both the STOF and the City of Hollywood. This scope of the project includes a schematic design, preliminary and final construction plans, and technical specifications to allow competitive bidding for construction of the Project, cost estimates, bid documents, addenda during the bidding process, conformed drawings and specifications, submittal reviews, responses to Requests for Information (RFIs), assistance with change orders, meeting attendance, record drawings, and other engineering support as required during construction.

**FAU College of Medicine Office Building - BT-676.** Chen Moore and Associates is currently providing landscape architecture services to Zyscovich Architects for the design, permitting and construction administration of a 20,000 square foot medical office classroom building at the Charles E. Schmidt College of Medicine at Florida Atlantic University. The small site is located between the existing College of Medicine and the Sciences building on the north end of the Boca Raton Campus of the University. The facility is being sited to avoid impact to the existing tree canopy. CMA is responsible for landscape and irrigation design for the project. The design focuses on enhancing the architecture of the building and providing landscape beautification to the campus. The project is being designed to a LEED silver standard.

*Marc Stefan Bortak, CID  
Landscape Designer*

**Education**

Bachelor of Science,  
Interdisciplinary Studies,  
University of Central Florida,  
2012

**Registration**

N/A

**Professional Affiliations**

Irrigation Association

**Certifications**

Certified Irrigation Designer

Stefan Bortak is a certified irrigation designer - commercial for Chen Moore and Associates. He has more than eight years of experience with all aspects of irrigation consulting, design, details and specifications. He prepares landscape, hardscape, and irrigation plans from concept to construction documents; irrigation distribution plans; water use permits; water use analysis; LEED documentation and calculations. Mr. Bortak also performs construction administration, shop drawing review, and inspections. He is responsible for producing plan and section renderings and graphics, and realistic 3D renderings and fly-through videos.

Mr. Bortak also assisted with project coordination and quality control between multiple offices; project budgeting and cost estimating; and client consulting for best irrigation practices, new and innovative products, and water conservation. He was responsible for the implementation of Land F/X design software as a department standard for landscape architecture and irrigation design. This included setup software, installation, deployment, creating company standards and software manuals. Mr. Bortak provided training and technical support and managed data and license usage across multiple offices.

Mr. Bortak specializes in Autodesk AutoCAD Map & Civil 3D, Impression, Vault; Bentley Microstation V8; SolidWorks; Land F/X; Adobe CS3 & CS4 (Photoshop, Illustrator, InDesign); Google SketchUp; Maxwell Render & Maxwell Studio; Microsoft Office Suite.

**Project Experience**

**Fort Lauderdale Beach Park.** The purpose of this project was to provide the restoration and enhancement of the City-owned 6.5-acre "South Beach" parking lot, located along SR A1A, south of Las Olas Boulevard. The scope of work includes bringing the parking lot into ADA compliance per requirements of consent decree, replacing a deteriorating low profile wall and sidewalk approximately 2100 feet in length, replacing existing lighting with turtle-compliant fixtures, and designing additional landscaping. Chen Moore and Associates prepared the required DRC submittal, which included all required public purpose approvals, as well as a conceptual layout of a new entrance at the southern end of the parking lot. This project was a joint effort between various City departments, including the City of Fort Lauderdale Beach Community Redevelopment Agency and Parking Services.

**Mullins Park Pathways.** Chen Moore and Associates developed a master plan for a new pathway system for Mullins Park in the City of Coral Springs. CMA is providing final design and construction administration. The project requires the development of paving, grading, and landscape plans for DRC approval and permitting through the Sunshine Water Control District and SFWMD. The pathways are made of a flexible surface to prevent injuries for pathway users. The layout required that the path be developed sensitively through the park to connect to existing features, such as baseball fields,

children's play areas, other existing sports fields and to limit disturbance to existing mature canopy trees.

**Veterans Wayside Park.** Chen Moore and Associates developed master plan concepts for the Veterans Wayside Park (VWP) in the Village of Pinecrest. VWP is the only passive, unprogrammed park in the Village. The site consists of a one half acre lake surrounded by passive open spaces with a mature tree canopy and a modest veteran's memorial. The site is bounded on the west side by the very heavily trafficked Pinecrest Parkway. The master plan assignment arose as the result of a group of local citizens that were petitioning the City for conversion of the site into an off leash dog park. CMA developed two concepts for the 3.25 acre park. One concept focused on incorporating large dog and small dog areas into the park, while the second added modest improvements such as pedestrian pathways and seating areas to enhance the park for passive use. Both concepts recommended enhancing the existing veteran's memorial. CMA's scope of work included public input sessions, master plan and opinion of probable cost services. The master plans were presented to the public at Village commission.

**Miami Gardens YMCA/FC Barcelona Soccer Field.** CMA worked with Borrelli Architects to design the demolition, earthwork, paving, grading, drainage, landscape architecture and irrigation plans for a park master plan that included professional level soccer field, a baseball field and a multi-purpose field (flag football and soccer) within the existing property adjacent to the existing YMCA Miami Gardens facility located in Miami Gardens. The scope included final design for the professional level soccer field including the earthwork and mainline drainage noted above. Services include government permitting with PERA (formerly DERM) and Miami Gardens, bidding assistance, construction observation and closeout services.

**North Shore Bandshell Park Improvements.** This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the "Beatles Mandala", a mosaic tile artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

**Moore Park.** Moore Park is a 14-acre park in the City of Miami, Florida that will feature a LEED designed community center, ball fields, tennis courts, and other amenities. Chen Moore and Associates (CMA) provided irrigation consulting and design services through Rain Bird Corporation for the City of Miami Department of Parks and Recreation. The irrigation design featured high efficiency irrigation nozzles and controller technology with advanced flow sensing and evapotranspiration adjustment capabilities. The CMA design team worked closely with the client to ensure the system design incorporated best irrigation practices, met city specifications, be easy to maintain and be familiar to the maintenance staff. In addition to design, CMA provided design documentation and calculations for achieving LEED water efficient landscape credits.

**Michael G Buick, PE**  
**Senior Engineer**

**Education**

Bachelor of Science,  
Biosystems Engineering,  
University of Manitoba, 2000

**Registration**

Professional Engineer,  
Florida, 65894, 2007

**Professional Affiliations**

American Society of Civil  
Engineers

Environmental Coalition of  
Miami and the Beaches

Florida Engineering Society

National Society of  
Professional Engineers

Urban Land Institute

**Certifications**

Certified Stormwater  
Management Inspector

Mr. Buick is a senior engineer in our Miami office and has over 12 years of experience in site development. His experience includes planning, design, permitting and construction administration of site infrastructure including site paving, grading and drainage and site utility plans for land development projects.

Mr. Buick is responsible for designing stormwater management systems (paving, grading and drainage) and water and sewer connections for residential and utility site development projects including design calculations, running flood routing models, drafting design drawings with AutoCAD, coordinating design with other involved disciplines, calculating opinion of probable costs, and writing Basis of Design Reports. Mr. Buick has coordinated site development projects with numerous permit agencies throughout South Florida including, FDEP, SFWMD, US ACOE, and various County and City agencies. Mr. Buick also has extensive experience working on projects in environmentally sensitive areas including wetlands and coastal areas.

**Project Experience**

**Mullins Park Pathways.** Chen Moore and Associates developed a master plan for a new pathway system for Mullins Park in the City of Coral Springs. CMA is providing final design and construction administration. The project requires the development of paving, grading, and landscape plans for DRC approval and permitting through the Sunshine Water Control District and SFWMD. The pathways are made of a flexible surface to prevent injuries for pathway users. The layout required that the path be developed sensitively through the park to connect to existing features, such as baseball fields, children's play areas, other existing sports fields and to limit disturbance to existing mature canopy trees.

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

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**Cooper City Soccer Park.** Chen Moore and Associates designed and permitted the earthwork and master drainage system for the proposed Cooper City Soccer Park. The task included planning for the ultimate buildout of the site by the City and included permitting through the Central Broward Water Control District and the South Florida Water Management District including addressing on-site proposed wetland mitigation and expanding two adjacent CBWCD canals adjacent to the site. Scope included bidding assistance, construction administration and close out.

**Miami Gardens YMCA/FC Barcelona Soccer Field.** CMA worked with Borrelli Architects to design the demolition, earthwork, paving, grading, drainage, landscape architecture and irrigation plans for a park master plan that included professional level soccer field, a baseball field and a multi-purpose field (flag football and soccer) within the existing property adjacent to the existing YMCA Miami Gardens facility located in Miami Gardens. The scope included final design for the professional level soccer field including the earthwork and mainline drainage noted above. Services include government permitting with PERA (formerly DERM) and Miami Gardens, bidding assistance, construction observation and closeout services.

**North Shore Bandshell Park Improvements.** This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the "Beatles Mandala", a mosaic tile artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

**Peter J Dueño, PE**  
**Associate Engineer**

**Education**

Bachelor of Science, Civil Engineering, University of Florida, 2006

**Registration**

Professional Engineer, Florida, 73781, 2012

**Professional Affiliations**

American Society of Civil Engineers

Florida Engineering Society

Southeast Civil Gators

**Certifications**

Mr. Dueño currently serves as an associate engineer with Chen Moore and Associates. He holds a Bachelors Degree in Civil Engineering from the University of Florida. He is currently a project engineer on the City Center and South Pointe Right of Way Improvement Projects for the City of Miami Beach. He has also worked as a project engineer in neighborhood improvement projects for the Cities of Dania Beach, North Miami Beach, Key West, and Pinecrest, as well as Miami-Dade DERM. His experience includes planning, pavement marking and signage, streetscape, stormwater modeling and design, water main design, permitting, and cost estimating.

**Project Experience**

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

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**Cooper City Soccer Park.** Chen Moore and Associates designed and permitted the earthwork and master drainage system for the proposed Cooper City Soccer Park. The task included planning for the ultimate buildout of the site by the City and included permitting through the Central Broward Water Control District and the South Florida Water Management District including addressing on-site proposed wetland mitigation and expanding two adjacent CBWCD canals adjacent to the site. Scope included bidding assistance, construction administration and close out.

**Miami Gardens YMCA/FC Barcelona Soccer Field.** CMA worked with Borrelli Architects to design the demolition, earthwork, paving, grading, drainage, landscape architecture and irrigation plans for a park master plan that included professional level soccer field, a baseball field and a multi-purpose field (flag football and soccer) within the existing property adjacent to the existing YMCA Miami Gardens facility located in Miami Gardens. The scope

included final design for the professional level soccer field including the earthwork and mainline drainage noted above. Services include government permitting with PERA (formerly DERM) and Miami Gardens, bidding assistance, construction observation and closeout services.

**North Shore Bandshell Park Improvements.** This project consists of proposed improvements to the existing Bandshell Park located east of Collins Avenue between 72nd and 73rd Streets within the City of Miami Beach. The project includes a new walkway connecting the park to the beachwalk at 72nd Street; the widening of the south sidewalk at 73rd Street which will require either the removal or reconfiguration of on-street parking; the demolition of the bus shelter; landscaping, outdoor accent and security lighting; reconfiguration and/or addition of walkways; installation of an electronic marquee; installation of the “Beatles Mandala”, a mosaic tile artwork; and new urban elements such as drinking fountains, trash containers and bike racks.

Chen Moore and Associates is providing services including civil engineering, landscape architecture and irrigation design work that includes conceptual drawings for the 72nd Street walkway and 73rd Street sidewalk; design development/final design submittals; estimates of probable construction cost; government permitting (including Miami Beach, PERA – formerly DERM, FDOT, FDEP, and Fish & Wildlife); bidding assistance; and construction administration services.

**Orange Bowl Field at Carter Park.** As part of its celebration of the National Title Game held at the Orange Bowl in January 2013, the Orange Bowl Committee hired the team of Carty Architecture (architecture) and Chen Moore and Associates (civil engineering) to design a synthetic turf football field and track within Joseph Carter Park in Ft. Lauderdale. CMA performed utility coordination, preliminary and final engineering design, government permitting, bidding assistance and construction observation services. The design included the demolition of two existing baseball fields, extensive drainage modeling and relocation, realignment of parking lot and drive aisles, and tree relocations. The new design includes a field underdrain system interconnecting to the overall park’s storm water management system.

**Jose B McCray**  
**Senior Construction**  
**Specialist/Project Manager**

**Education**

N/A

**Registration**

N/A

**Professional Affiliations**

N/A

**Certifications**

FDOT – CTQP Asphalt Level 1

Troxler Radiation Safety  
Officer

Troxler Nuclear Density

Gauge Operator

OSHA 8 Hour Trench Safety  
Course

PSMJ Project Management  
Bootcamp

Florida Stormwater and  
Sedimentation Control  
Inspector

FEC Railroad Contractor  
Safety

IMSA Traffic Signal Inspector

Mr. McCray is a senior inspector for Chen Moore and Associates. Mr. McCray has over 31 years of construction experience, from surveying through project management. His present responsibilities include coordination and monitoring of construction activities including governmental projects and site development for residential, commercial and industrial use projects. He serves as liaison to owners, contractors, subcontractors, residents and governmental agencies. Additional responsibilities include overseeing the review/processing of change orders, progress payments and reports, and representation of owners and engineers at pre-construction meetings and other related conferences.

Mr. McCray's most recent experience includes serving as Director of Construction Services at a South Florida multi-discipline engineering firm. His responsibilities included managing staff and construction administration services for several neighborhood improvement projects for Broward County Water and Wastewater Services and several private residential/commercial land development clients. These projects included the construction of water distribution, sewer, wastewater lift stations, drainage and paving. Mr. McCray has also served as a Project Manager and Superintendent for large South Florida contracting companies.

**Project Experience**

**Downtown Coral Springs Streetscaping.** Chen Moore and Associates has been contracted by the City of Coral Springs to assist the Coral Springs CRA in the planning, design, permitting and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA is providing civil engineering, landscape architecture, environmental permitting and construction engineering and inspection services for the project.

The project includes implementing Complete Street concepts for NW 31st Court, NW 94th Avenue and NW 32nd Street. Additionally, CMA is implementing the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk", which is an important pedestrian connection between the downtown pathways project and The Walk development. Finally, the project includes the implementation of turn lanes along Sample Road, median improvements in Sample Road and minor improvements to adjacent alleyways and pedestrian pathways.

Overall, the project will improve the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to them projects. The project is in the conceptual design phase and is slated for construction in 2014.

**City Center Right-of-Way and Utility Improvement Project.** gA description: Chen Moore and Associates is the prime consultant and is responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and

construction engineering and inspection (CEI) services for infrastructure improvements within the public right-of-way (ROW) areas of the City Center neighborhood of Miami Beach. The project encompasses approximately 24,000 LF of ROW infrastructure improvements including: 8,700 LF of 8-inch water main replacements; sewer improvements, stormwater drainage improvements; paving & grading; roadway/traffic improvements (streets, sidewalks, curb and gutter, drainage, traffic control devices including striping, signing and channelization); streetscaping and landscaping enhancements; decorative, landscape and roadway lighting improvements; and roadway reconstruction. Additionally, due to existing listed contaminated sites within the proximity of the ROW improvements, environmental coordination, including site analysis and consideration of the radius of influence, was necessary for coordinating dewatering operations. Due to the existing mixed residential and commercial environment of this neighborhood, special design efforts were made to incorporate walkable community elements including meeting all ADA requirements, providing street furniture, providing bicycle paths, upgrading sidewalks, incorporating specialty treatments at crosswalks, landscaping improvements with specialized tree wells to provide a walkable surface and bulb outs to increase pedestrian friendliness and safety. This project also required extensive coordination with the public, adjacent CRAs, historic districts and various regulatory agencies.

**South Pointe Phase III/IV/V - Right-of-Way Improvement Project.** Chen Moore and Associates is the prime consultant and is responsible for providing surveying, planning, geotechnical investigation, design, permitting, preparation of construction documents, bid and award and construction engineering and inspection services for infrastructure improvements within the public right of way areas of the South Pointe III/IV/V neighborhood of Miami Beach. The project encompasses approximately 19,000 LF of ROW infrastructure improvements including 9,300 LF 8" water main replacements, stormwater drainage improvements, paving & grading, streetscaping enhancements, landscaping improvements, lighting improvements, and roadway reconstruction. Additionally, due to existing listed contaminated sites within the proximity of the right of way improvements, environmental coordination including contaminated sites analysis and consideration of the radius of influence was necessary for coordinating dewatering operations. Due to the existing mixed residential and commercial environment of this neighborhood, special design efforts were made to incorporate walkable community elements including meeting all ADA requirements, providing street furniture, providing bicycle paths, upgrading sidewalks, incorporating specialty treatments at crosswalks, landscaping improvements with specialized tree wells to provide a walkable surface and bulb outs to increase pedestrian friendliness and safety. This project also required extensive coordination with the public, adjacent CRAs, historic districts and various regulatory agencies.

As part of the proposed stormwater and drainage services, extensive analysis was conducted utilizing ICPR Modeling and GIS to meet and/or exceed required stormwater Level of Services standards. ICPR Modeling was utilized for the design and permitting of 21 drainage gravity wells and one drainage pump station. The proposed stormwater design included the introduction of catch basins, and stormwater piping to effectively collect and route the stormwater to 16 drainage gravity wells and stormwater pump station with overflow outfall connections to Biscayne Bay. Due to the environmental sensitivity of Biscayne Bay, design and implementation of water quality treatment measures was an important consideration and design factor of the system prior to outfall to the Bay and was closely coordinated with regulatory agencies during the permitting process.



YEARS EXPERIENCE - 30

**REGISTRATION**

Architect:

Florida, #10,995, 1985  
North Carolina #9716,  
2004

Louisiana #6826,  
2008

NCARB Certification, 1986

Licensed General  
Contractor-Florida,  
#CGC1507035, 1986

**EDUCATION**

Carnegie-Mellon University-  
Bachelor of Architecture,  
1983

**AFFILIATIONS**

American Institute of Architects  
AIA Chapter President, 2014  
2013 Citizen Architect  
Boy Scouts of America  
Eagle Scout  
City of Plantation  
2013-2017 Councilman

**PROFESSIONAL PROFILE**

The founder of CPZ Architects, Inc., Mr. Zimmerman serves as principal-in-charge of all projects undertaken by the firm, ensuring quality delivery of services and client satisfaction. In addition, he serves as lead architect/project manager on designated projects, providing day-to-day leadership of multidisciplinary project teams.

Mr. Zimmerman’s client-focused commitment to project success – from precise documentation of measurable client goals and objectives, building code verification and project planning, to fully detailed construction documents, through final punch list – has earned him the reputation as a quality architect in the south Florida community. To his design work, Mr. Zimmerman also brings in-depth constructability knowledge and application to projects through his certification as a general contractor, a faculty that assures his clients that his designs have been developed to be economically buildable.

Mr. Zimmerman brought to his own firm the unique perspective of both architect and client. In his prior position as vice president of Scharf & Associates, he designed and managed more than \$50 million of new and renovation projects for both public and private sector clients. Earlier, he served in the owner’s capacity, as Senior Project Architect for the City of Fort Lauderdale, creating award-winning designs on City projects. Through this combination of experience, Mr. Zimmerman brings a distinctly client point of view, coupled with architectural expertise and management efficiency, to each CPZ project.

**PROJECT PROFILE**

A record of meeting his clients’ objectives for their projects underscores Mr. Zimmerman’s commitment to quality architecture, personalized service, and effective project management. His broad project experience ranges from governmental, commercial/office, cultural, healthcare, and public safety facilities, to parks and recreation, resorts, and private residences. Notable among them:



**Miami Gardens Community Center, City of Miami Gardens, Florida**

Owner retained CPZ Architects to replace original architect at start of project construction of this 60,000 square foot complex. Project was successfully put back on track, meeting City’s goals for completion.

Cost: \$12 million.

Completed: 2010



**Coral Springs Public Safety Complex, City of Coral Springs, Florida**

Comprehensive 3-phase renovation, expansion and hurricane hardening of existing 60,000 sf facility, including new 2-story, 11,000 sf addition for state-of-the-art Emergency Management and Fire Department operations. Project involved complete reconfiguration of the complex’s 7-acre site to expand parking space and provide new site security and emergency generator system. Phase III involved 3 floors of tenant improvements and upgrading building with new automatic sprinkler system and new HVAC system. New facilities also include a 9,800 square foot LEED Certified Gold Fire Station, the only one of its kind in Broward County.

Cost: \$8 million.

Completed: February 2010





**Florida Everglades Resort, Big Cypress Seminole Reservation, Florida**

Design for a full-service Eco-Resort combining historical Florida architecture with most current environmental building technology to reflect the natural and cultural heritage of the region.

Cost: \$27 million.

Completion Date: 2012



**Boy Scouts of America, South Florida Council, Davie, Florida**

Master Plan for premier 120-acre Boy Scout Camp and Phase I development projects including dining hall, pool building and signature main entry all designed to a national park ambience. The Park development included all new drainage, sewer, water and fire services. New facilities included multiple restroom facilities, Ranger Residence, Dining Hall, various pavilions. The site was further enhanced with a deeper lake, boating pavilion, outdoor amphitheater, recreational field, and 12 campsites.

Cost: \$6 Million

Completed: 2011



**Holiday Park Tennis Facility, City of Fort Lauderdale, Florida**

New main entry plaza and reception area with visibility to all tennis courts, exterior plaza with seating, covered porch and bleachers, with bold use of color to meet client request that the new facility be exciting for the local tennis community.

Cost: \$1 million.

Completed: 1996

1997 AIA Award of Merit; US Tennis Association "Outstanding Facility of the Year"



**Washington Park, Hollywood, Florida**

A new 2,500 sf Community meeting room, concession stand and restrooms were designed for Washington Park. The new facility was design to blend and match the architecture of the original building constructed in the 70's.

Cost: \$750,000.

Completed: 2008



**Beverly Park Community Center Renovation, Hollywood, Florida**

The existing community center was renovated and a 1,600 sf restroom and classroom addition was constructed. A new exterior entry and additional accent features were designed to enhance the neighborhood aesthetic.

Cost: \$850,000

Completed: 2008



**Snyder Park Picnic Pavilion, Fort Lauderdale, Florida**

A new 2,000 sf corporate picnic pavilion, kitchen and restroom facility was design to enhance the offerings of this City Park. The heavy timber pavilion was design to overlook a large lake at the entrance to the park.

Cost: \$450,000

Completed: 1990



**Holiday Park Master Plan Phase I, Fort Lauderdale, Florida**

As the first phase of the Fort Lauderdale Holiday Park Master Plan, we designed the second set of buildings for the Soccer Field. This included a new Concession, office and restroom building along with the center field storage / press box facility. We created a design concept that utilized a different strong primary accent color for each venue at the park. The Tennis Center is yellow, soccer is green and naturally baseball is red and so on.

Cost \$2.6 million

Completed: 1994



**Coconut Creek Community Center, Coconut Creek, Florida**

This 36,000 sf facility was design by Chris, when he was the Vice President of Scharf & Associates. The facility is a full service community housing a basketball court, classrooms, exercise equipment, offices and community meeting rooms. In addition the overall site was designed to provide park space, children’s playground, Skate Park, kayak launch and Dog Park.

Cost \$6 Million

Completed: 2004



**Bass Park Community Center and Park, Fort Lauderdale, Florida**

The project includes a 3,000 square foot multi-purpose center along with site development. The building is composed of a large multipurpose room, catering kitchen, restrooms and managers office. Many site improvements were completed; new playground, parking lot and overall landscaping.

Cost, \$350,000

Complete: 1995



**Joseph C. Carter Park, Fort Lauderdale, Florida**

The existing 3,000 sf building was renovated to provide a large community center and restrooms. In addition the site was redesigned to include outdoor meeting space, pavilion and playground equipment.

Cost \$450,000

Completion 1996



**Coral Springs Aquatics Center, Fitness Center and Pro Shop Addition**

A 3,500 sf fitness center was added to the existing center along with a 600 sf Pro shop. The facility provides a new location for the Community and City staff to exercise. The City Staff utilized the facility as part of the wellness incentive program.

Cost, \$350,000

Completion 2000



**Potter Park Gymnasium and Community Center, Davie Florida**

Our design provides the Town and PAL with a 20,000 square foot building which includes a full size gymnasium that can be converted into two high school size courts for practice. In addition, the facility was designed to include a 3,000 square foot boxing training area with two full size boxing rings. Chris Zimmerman design and managed his project while at Scharf and Associates.

Cost \$2.2 Million

Completion 2002



**Donaldson Park, Coconut Creek, Florida**

This was a Design/Build project to renovate the existing Community Center and construction of a new exterior park restroom facility. Site improvements included a new pathway system, playground equipment, shade structures, Bocce Ball Court, volleyball court, gazebo renovation and new picnic pavilion.

Cost \$1.8 Million

Completion 2004



**Shenandoah Fire Station #86, Town of Davie, Florida**

Conceptual design and site plan of proposed new 12,000 sf fire station, including renderings and site plans to be used by town representatives in presentations to the Shenandoah community.

Estimated Cost: \$2 million

Concept completed: 2010



**YEARS EXPERIENCE**

8

**EDUCATION**

Florida Atlantic University  
School of Architecture  
Five-Year Bachelor of  
Architecture, 2006

**AFFILIATIONS**

NCARB(IDP)

**PROFESSIONAL PROFILE**

Mr. Hall has served as project manager on a number of CPZ Architects' most significant projects. He brings to his management role the commitment to not only meet, but anticipate and exceed, his client's needs. Mr. Hall's record of meeting client goals for on time, in budget performance, combined with responsive aesthetic and functional design solutions, has resulted in valued long-term relationships with both public and private sector clients.

As project manager, Mr. Hall performs initial concept design, site planning, develops construction documents, construction administration and final project close-out. His capabilities in all aspects of architectural design include the creation of project concepts to detailing and coordinating construction documents. Mr. Hall's particular skill in the project's construction phase ensures timely response to contractor queries, resolution of any issues, and completion of the facility in accordance with the plans and specifications.

**PROJECT PROFILE**

Mr. Hall's project experience includes both new construction and existing facility renovations, as well as tenant interior improvements and building upgrades. He has served as project manager on such diverse project types as parks and recreational complexes, commercial facilities, community centers, and office and public safety buildings, with particular experience working with municipal government clients.



**Coral Springs Public Safety Complex, City of Coral Springs, Florida**

Comprehensive 3-phase renovation, expansion and hurricane hardening of existing 60,000 SF facility, including new 2-story, 11,000 SF addition for state-of-the-art Emergency Management and Fire Department operations. Project involved complete reconfiguration of the complex's 7-acre site to expand parking space and provide new site security and emergency generator system. Phase III involved 3 floors of tenant improvements and upgrading the building with new automatic sprinkler and HVAC systems. New facilities also include a 9,800 square foot LEED Certified Gold Fire Station, the only one of its kind in Broward County.

Cost: \$8 million.

Completed: February 2010



**City of Miramar Community and Cultural Amphitheater, Florida**

CPZ Architects is currently providing architectural services for a new amphitheater building and 3,000 fixed seating and 2,000 lawn seating capacity. Site consists of two restroom/concession buildings and ticket booth. Site also consists of a promenade area for food and beverage sales for local vendors. Mediterranean style Architecture was maintained throughout the complex to match adjacent buildings throughout the park.

Cost: \$8 Million

Completion: 2015



**Miami Gardens Community Center, City of Miami Gardens, Florida**

Owner retained CPZ Architects to replace the original architect at start of project construction of this 60,000 square foot complex. Project was successfully put back on track, meeting City's goals for completion.

Cost: \$12 million.

Completed: 2010

**CPZ ARCHITECTS, INC.**

4316 WEST BROWARD BOULEVARD PLANTATION, FLORIDA 33317  
200 N. EL MAR DRIVE, SUITE 200, JENSEN BEACH, FLORIDA 34957  
(954) 792-8525, FAX (954) 337-0359  
AA# 26000685 WWW.CPZARCHITECTS.COM



**PROJECT PROFILE (continued)**



**Miami Gardens Amphitheater, City of Miami Gardens, Florida**

Owner retained CPZ Architects to design a 300 seat Amphitheater. Amphitheater facility is 2,500 square feet and seats 300 people on the retaining wall seating system with additional lawn seating. Project is currently under construction.

Cost: \$700,000.

Completed: 2011



**Miami Gardens Community Center New Security Enclosure, City of Miami Gardens, Florida**

This project includes two main Vehicular Entry Features, new Landscape, Security Gates and decorative steel fencing with masonry piers along the whole perimeter of the site.

Cost: \$600,000.00

Completion: 2013



**Boy Scouts of America, South Florida Council, Davie, Florida**

Master Plan for premier 120-acre Boy Scout Camp and Phase I development projects including dining hall, pool building and signature main entry all designed to a national park ambience. The Park development included all new drainage, sewer, water and fire services. New facilities included multiple restroom facilities, Ranger Residence, Dining Hall, various pavilions. The site was further enhanced with a deeper lake, boating pavilion, outdoor amphitheater, recreational field, and 12 campsites.

Cost: \$6 Million

Completed: 2011



**Northgate Park, Lauderdale Lakes, Florida**

This neighborhood 3 acre park was designed to serve the local community and as a first phase of the areas redevelopment. The park included a Community Pavilion with restrooms, picnic pavilion, basketball court, jogging trail and children's playground.

Cost: \$2 Million

Completion 2006



**Summerwood Park, Wellington, Florida**

This park was designed as a design-build for the City of Wellington. The park included a new main picnic pavilion, picnic tables, jogging trail and children's playground.

Cost: \$1 Million

Completion 2007



**Washington Park, Hollywood, Florida**

A new 2,500 SF Community meeting room, concession stand and restrooms were designed for Washington Park. The new facility was design to blend and match the architecture of the original building constructed in the 70's.

Cost: \$750,000

Completed 2008



**Tephford Park Restroom Buildings, Tamarac, Florida**

CPZ Architects designed two new 400 square foot restroom buildings on the site. The park consists of a playground, picnic pavilions, concrete pathways and a fishing dock. Tephford Park stretches west of Nob Hill Road to the Sawgrass Expressway.

Cost: \$4 Million

Completion 2008



## Kristin Caborn, CPRE, FCP

Programming/Public Outreach

Kristin Caborn has 16 years of extensive parks and recreation management and planning experience involving managing several multimillion-dollar parks and recreation projects, and providing master plan implementation and phasing plans services for public-sector clients. Ms. Caborn thoroughly understands the municipal park planning process through her experience as a former Parks and Recreation Director for the City of St. Cloud, Florida, where she was actively involved in all aspects of park planning, including extensive public involvement and facilitation. Ms. Caborn also brings experience with CPTED strategies to this project, such as natural surveillance, territorial reinforcement, and natural access control. She is also well-versed in public outreach efforts including responding to questions from community members and ensuring local residents are informed of the proposed design for projects.

### Education

M.S., Recreational Studies, University of Florida

B.S., Recreation (Honors), University of Florida

### Certifications

Certified Park and Recreation Executive (CPRE), 11160

Florida Crime Prevention through Environmental Design (CPTED) Practitioner (FCP)

### Relevant experience

**Pine Trails Park, Parkland, FL.** Parks specialist. Atkins provided planning and design services to the City of Parkland for a 30-acre expansion on undeveloped park property to add active recreation amenities within the existing Pine Trails Park. The final master plan included four multi-purpose fields, four ball fields (one 350-foot baseball field, and three 225-foot softball fields); a two-story concession building; restroom building; constructed wetland/stormwater area with traversing boardwalk; playground; extensive pedestrian pathways; and parking for more than 300 vehicles.

**Mishcon Park, Phase I, City of North Miami Beach, FL.** Project manager. Atkins provided landscape architecture, civil engineering, and bidding assistance for Phase 1 improvements at Mishcon Field. Phase I improvements included decorative perimeter security fencing and gates and portable bleachers. Atkins also prepared a revised site plan and construction documents based on survey information and the current master plan provided by the City.

**Poinciana Community Park Construction Documents for Engineering and Landscape Design, Polk County, FL.** Project manager. Atkins provided design services for the conceptual planning, construction documents, permitting, and construction oversight for Poinciana Community Park. Conceptual planning tasks included a site visit; meetings with Poinciana residents; a draft conceptual plan; development of a final, rendered conceptual plan; and park standard list for the 29-acre park. Atkins provided overall final site design and bidding and construction phase services. Desired improvements included quad baseball and softball and three multipurpose fields for soccer, football, and cricket use; Polk County standard concession buildings; parking; playground; dog parks for both small and large dogs; restrooms; basketball courts; scenic walking paths; vehicular access and drainage; pavilions and picnic areas; skate park; beach volleyball; and maintenance area. The project's goal was to offer residents of the Poinciana area a park that appealed to all ages and users by offering diverse amenities such as walking paths, active sports opportunities, and a dog park all on one site.

**Southwest Escambia County Sports Complex, Pensacola, FL.** Project manager. Atkins provided park planning and design services for a new county sports complex located on 217 acres on the southwest side of the county. Park amenities include youth athletic fields (baseball, softball, soccer, and football), playground units, parking/access, site lighting, stormwater management system, nature trail, and associated athletic buildings including concession/restroom and meeting/storage buildings.

**Arthur Snyder Tennis Complex, City of North Miami Beach, FL.** Project manager for project that involved full master planning services, architectural design for the clubhouse, landscape architecture, civil engineering, and ecological science services for the site development of the project. Cost estimating was also provided at the master plan level to support the City's effort with regard to budgetary and funding issues.



## Thomas Johnson, RLA, LEED AP

### Programming

Thomas Johnson has 20 years of professional landscape architecture experience covering a wide range of projects including park and open-space planning, urban design, sustainable design, master planning, hotel and resorts, and waterfront development. Over the course of his career, Mr. Johnson has developed strong skills in the areas of graphic communication, creative problem-solving, public charrettes and presentations, client consultation, project management, and construction document preparation.

#### Education

B.L.A., College of Architecture and Planning, Ball State University

#### Registrations

Registered Landscape Architect: Florida, LA6666742, 2004

#### Certification

Leadership in Energy and Environmental Design Accredited Professional (LEED AP), U.S. Green Building Council (USGBC)

#### Relevant experience

**Pine Trails Park, Parkland, FL.** Senior landscape architect. Atkins provided planning and design services to the City of Parkland for a 30-acre expansion on undeveloped park property to add active recreation amenities within the existing Pine Trails Park. The final master plan included four multi-purpose fields, four ball fields (one 350-foot baseball field, and three 225-foot softball fields); a two-story concession building; restroom building; constructed wetland/stormwater area with traversing boardwalk; playground; extensive pedestrian pathways; and parking for more than 300 vehicles.

**Poinciana Community Park Construction Documents for Engineering and Landscape Design, Polk County, FL.** As lead landscape architect, Mr. Johnson contributed to the design for multiple concepts, production of presentation graphics, and facilitation of client meetings. Atkins provided design services for the conceptual planning, construction documents, permitting, and construction oversight for Poinciana Community Park. Conceptual planning tasks included a site visit; meetings with Poinciana residents; a draft conceptual plan; development of a final, rendered conceptual plan; and park standard list for the 29-acre park. Atkins provided overall final site design and bidding and construction phase services. Desired improvements included quad baseball and softball and three multipurpose fields for soccer, football, and cricket use; Polk County standard concession buildings; parking; playground; dog parks for both small and large dogs; restrooms; basketball courts; scenic walking paths; vehicular access and drainage; pavilions and picnic areas; skate park; beach volleyball; and maintenance area.

**Southwest Escambia County Sports Complex, Pensacola, FL.** Senior landscape architect. Atkins provided park planning and design services for a new county sports complex located on 217 acres on the southwest side of the county. Park amenities include youth athletic fields (baseball, softball, soccer, and football), playground units, parking/access, site lighting, a stormwater management system, a nature trail, and associated athletic buildings including concession/restroom and meeting/storage buildings.

**Arthur Snyder Tennis Complex, City of North Miami Beach, FL.** Lead landscape architect responsible for the landscape and hardscape design effort, from concept master planning through construction document production and cost estimating. Project involved providing full master planning services, architectural design for the clubhouse, landscape architecture, civil engineering, and ecological science services for site development of the project. Cost estimating was also provided at the master plan level to support the City's effort with regard to budgetary and funding issues.

**Daughtery Road Park, Polk County Parks and Natural Resources, Polk County, FL.** Lead landscape architect responsible for providing lead design, coordinating the public input presentation, producing construction documents, and attending client meetings. This project involved the development of a master plan and conceptual and final design for the 27-acre West Daughtery Road park project. Preliminary and final design services were provided for soccer fields; pedestrian circulation including walking paths; site lighting including "green" sports lighting; secondary entrance to service a passive park area; picnic/passive area, open space, and playground; and parking. The project also included preparation of construction documents.



## Tyler Peterson

### Programming

Tyler Peterson serves as a landscape architect/designer in Atkins' planning and landscape architecture division. His planning and design experience includes site design and medium- and large-scale open space and community planning. His current duties with Atkins include participation in conceptual planning exercises, preparation of schematic and presentation graphics and materials, observation of construction projects to verify that work is followed according to plans, and general assistance in the coordination of projects with other disciplines and offices within Atkins.

#### Relevant experience

**Arthur Snyder Tennis Complex (Phase I), City of North Miami Beach, FL.** Landscape designer. Atkins was responsible for the design of a new tennis center and café. The Snyder Park Tennis Center features a strong entrance that acts as a focal point for the composition and is positioned to embrace the plaza area. Sustainable passive features include deep overhangs, a green roof, high-performance glazing, and daylighting. Active features such as high-efficiency HVAC systems, low-flow faucets, and rainwater harvesting for irrigation will contribute to the financial, social, and environmental capital of the city. Mr. Peterson provided hand graphic and digital media support during production of the final presentation exhibits.

**Daughtery Road Park Master Plan and Construction Documents, Polk County, FL.** Landscape designer. This project for Polk County Parks and Natural Resources involved the development of a master plan and conceptual and final design for a new 27-acre park. The final master plan included soccer fields, pedestrian circulation such as walking paths, site lighting, picnic/passive recreation area, open space, playground, and parking. Mr. Peterson led the preparation of the final construction documents and assisted with cost estimating for the final master plan.

**Southwest Escambia County Sports Complex, Escambia County, FL.** This project involved the design of an active recreation park to be located on 217 acres in Escambia County. Park amenities included youth athletic fields (baseball, softball, soccer, and football), playground units, parking/access, site lighting, stormwater management system, nature trail, and associated athletic buildings (prototypical concession/restroom and meeting/storage buildings). Mr. Peterson provided digital media support for production of the final presentation materials that were presented to the project selection panel.

**Walk-n-Sticks Master Planning Services, Buenaventura Lakes, FL.** Landscape designer. This project in Osceola County involved master planning of an existing nine-hole golf course into a passive public park. The park will take advantage of the existing topography to feature an extensive trail system that meanders throughout the site and along existing water bodies, a playground, community garden, picnic areas and shade pavilions, exercise course, disc golf course, fishing dock, and open space. Mr. Peterson assisted with site inventory and analysis, conceptual landscape design, schematic landscape design, hand graphic production of final plans, and digital creation of presentation graphics. He also assisted the project manager during public meetings and provided digital media support during the production of alternate concepts for the first phase of this proposed park.

**Sarasota Multi-Use Recreational Trail (MURT), Phase II, Sarasota, FL.** Landscape designer. This project for Sarasota County involved redevelopment of the existing Bird Key Park to accommodate the proposed alignment of the MURT through this waterfront park. Mr. Peterson produced the conceptual landscape design and associated construction documents and was responsible for coordinating the design and production of the hardscape plans. He also assisted with cost estimating efforts.

#### Education

B.L.A. (Magna Cum Laude), Landscape Architecture, Ball State University

#### Honors and awards

Indiana-American Society of Landscape Architects Honor Award recipient, 2006

Academic Honors in Writing Finalist, Ball State University, 2006

#### Professional affiliations

U.S. Green Building Council (USGBC), Central Florida Chapter  
American Society of Landscape Architects

# Igor Loncarevic

Plumbing Designer

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## *Experience*



Igor Loncarevic is a Plumbing Designer of building system layouts based not only on Florida Building Code (Plumbing), but also other States plumbing codes and regulations, including sanitary & grease waste, domestic water supply, storm /condensate drainage, medical gases; generating floor plans, isometrics, details, etc., Also generated multiple plumbing reports based on inspections to hi-rise (Trump Tower Hollywood, Terra Condo Building @ Miami Beach, Trump Tower I @ Sunny Isles) and low rise buildings (Earls restaurant @ Dadeland Mall, Broward County Human Services Building, Starbucks & other stores). Type of designed projects include commercial (emphasis on multiple upgraded & new Starbucks stores, Dunkin Donuts, Ft. Lauderdale & Miami Airport food courts, etc), residential (family houses & multistory condo buildings, mostly in Miami/ Ft. Lauderdale area), hospitals & other medical facilities (Coral Springs Medical Center ADA upgrades, U-Health Plantation, Kendall & Univ. of Miami Hosp. selective upgrades, Innovative Cancer Institute @ Ft. Lauderdale, etc.), educational buildings (U. of Miami Patio, Barry University renovations & additions, etc.), office buildings (Exclusive Property Management Building in Ft. Lauderdale, Air Accessories & Avionics in Miami, Meals on Wheels in Plantation, etc.), warehouses (Waterside Commercial Warehouses & Offices in Sunrise), hotels, etc. In addition, occasionally work on other trades (HVAC, Electrical, Fire Protection) supervised design & drafting

**Education:**  
**University of Sarajevo, former Yugoslavia:**  
Validation of Architectural Diploma (December 1986)

**University of Havana “ISPJAE”, Cuba:**  
Architectural Degree, 5 year career, Graduated (June 1986)

**CADD Centers of Florida, Ft. Lauderdale:** Revit training, MEP & Architectural courses (2007)

## **Experience**

Has been employed by Delta G Consulting Engineers for 11 Years

### ***Higher Education Clients***

- *University of Miami*
- *Nova University*
- *Barry University*
- *Florida Atlantic University*

### ***Resort & Hospitality Clients***

- *500 Brickell*
- *Icon Brickell*
- *Carillon Hotel*
- *St. Regis Resort Bal Harbour*

### ***Municipal Clients***

- *School Board of Dade County*
- *Broward County*
- *City of Miramar*
- *Palm Beach County*

## Jose Martinez

Electrical Designer

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### ***Experience***

**Jose Martinez** joined **Delta G Consulting Engineers, Inc.** in 2013 as an Electrical Designer. He has over 19 years of design experience in the Electrical Engineering industry.

Some of his projects include:

### **Education:**

Bachelor of Science  
in Electrical  
Engineering –  
**Florida  
International  
University** 1995

### **Specialty Facilities Clients**

- Aishel House, 5 Story ALF/MC Facility, 110,000 SF. Lauderhill, FL

### **Higher Education Clients**

- University of Miami School of Communications
- Broward College
- St. Thomas University

### **Experience**

19 years

### **Municipal Clients**

- Broward County
- City of Sunrise
- City of Fort Lauderdale
- City of Pompano Beach
- City of Coral Springs

### **Resort & Hospitality Clients**

- Holiday Inn in Aventura
- Hyatt Hotel in Orlando, FL
- Sleep Inn in Meridian Mississippi
- Howard Johnsons, Miami Beach
- Hotel Lucerne Miami Beach

### **High Rise Multifamily**

- 60 story multifamily in Santo Domingo D.R.

## Norelkis Roman

Plumbing Engineer

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### *Experience*



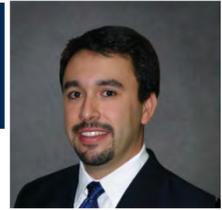
Norelkis Roman is a Plumbing Engineer with 8 years of experience as a Plumbing Design and Project Engineer. She is responsible for total management of all aspects of projects to ensure they are completed on time and at the highest level of quality.

Mrs. Roman has designed plumbing systems for various buildings, such as Office/Commercial, Educational, Healthcare Facilities, Airports, Restaurants and Residential/Hotel.

**Education:**  
Bachelor of  
Science in  
Plumbing  
Engineering  
Degree at  
University of  
Havana, Cuba  
**Experience:**  
**8 Years**

Mrs. Roman has performed analysis using various software programs, selected equipment and prepared technical documentation supporting design criteria's, engineering guidelines and insure compliance with applicable codes and standards. She has participated in the completion of many projects where she oversees many tasks. She provides project related service to clients, architects and contractors, and performs field inspections.

- Fort Lauderdale-Hollywood International Airport , Fort Lauderdale, FL
- Numerous Starbucks Restaurant's
- Broward College Fine Arts Bldg 3 Renovation
- Aoki Teppanyaki Restaurant
- The UTC Fidelity Project
- Numerous Residences
- Broward County Human Services Building
- Maus Law Office Renovation
- Consultis Office Interior
- Aishel House A.L.F.
- Broward County Medical Examiner's Office
- UMH Kendall Clinic
- Town and Country Shoppes - Services Infrastructure Project
- Gateway Centre 3rd Floor Suite Modifications
- The UTC Ethan Allen Project
- Parkland Western Fire Station
- Holiday Inn Express Aventura
- Hyatt House Hotel
- T4H Concessions for Casavana and Kalik Cafes



## Overview

Mr. Fuentes has twelve years of structural engineering experience. During this time, he has been involved in all aspects of a project from design concept through construction administration. He has worked on a variety of project types including educational, healthcare, institutional, municipal and sports facilities.

Holding an architectural engineering degree, Juan has a true appreciation for the artistic vision the architect is creating. He exhausts every option- pushing the envelope to create the landmarks that define a city. His personal philosophy is to provide the soul of a city through the seamless combination of architecture, structure, and vision embodied in Frank Lloyd Wright's Kaufmann Residence.

Mr. Fuentes is able fulfill this philosophy through his intimate knowledge of building materials and construction methods; working meticulously with the architect through all the stages of a project's life cycle. The combination of his real world experience and work ethics forms a perfect complement to our Company Culture.

### Education

Bachelor of Science in Civil Engineering, 2000  
B.S. Architectural Engineering, 2000  
University of Miami  
Cum Laude

### Memberships

American Society of Civil Engineers (ASCE)  
American Institute of Steel Construction (AISC)  
American Concrete Institute (ACI)  
Florida Structural Engineers Association (FSEA)-

### State Director

### Registration

**Professional Engineer**  
Florida # 62426  
**Structural Engineer**  
Illinois #081006736  
**LEED AP**

## Project Experience

**City of Sunny Isles Beach Continuing Structural Services Contract** - Project manager for the structural assignments of the continuing services contract. This contract intends to implement the City's comprehensive plan.

**Deering Estate Weir Glade Rehydration Project, Miami-Dade County, FL** – Project Engineer for the design of a weir structure located on the Deering Estate, immediately adjacent to a historic rock bridge. The weir consisted of cast-in-place retaining wall with interchangeable wood panels to allow the owner to vary the amount of water impounded behind the structure. The weir was designed to aesthetically blend in with its surrounding environment. Consideration of construction methods and equipment was required due to the lack of access to the weir location and to minimize the damage to the environment from construction activities.

**Deerfield Beach Middle School Park, City of Deerfield Beach, Florida** – Project engineer responsible for the design of 5 new park buildings that included a 550 sq. ft. pool entry building, 3,200 sq. ft. pool building, 2 story-3,000 sq. ft. baseball pavilion, 2 story-2,300 sq. ft. football pavilion, and 900 sq. ft. picnic shelter.

**Lauderdale Lakes Community Center, Lauderdale Lakes, Florida** – Project engineer responsible for the design and preparation of construction documents for the community center. The facility consists of two buildings, a 6,000 square-foot activity building, and a 2,000 square foot athletic center that share an outdoor landscaped plaza.

**Warfield Park, Ft. Lauderdale, Florida** – Project engineer responsible for the design and preparation of construction documents for the 4,000 square foot community center. The facility had an indoor basketball court which required special attention to the exterior wall and roof design.

## Other Experience

- Lauderdale Manors, City of Ft. Lauderdale
- Vincent Torres Park, City of Lauderdale Lakes
- Driftwood Pool Complex, City of Hollywood

- Carver Ranches Park, City of Ft. Lauderdale
- Riverside Park, City of Coral Springs
- Croissant Park, City of Ft. Lauderdale
- Pierce Park, City of Coral Gables
- Miramar Pool Complex, City of Miramar

**Coral Springs Public Safety Training and Technology Center, City of Coral Springs, Florida** – Project engineer responsible for the design and construction documents of the new \$3.9 million, 30,000 sq. ft. Training Center and attached apparatus bays. The project used an open web joist system for the floor structure that required an in-depth vibration analysis. The joist system is supported on a combination of interior steel girders, steel and concrete columns and load bearing masonry walls.

**Oaks Road Fire Rescue Station, Town of Davie, Florida** – Project engineer responsible for the design and construction documents of the new \$2.5 million, 15,000 sq. ft. fire station. The design required special to the cantilevered second floor structure and curved roof diaphragm.

**Lauderhill Fire Station No. 57 Addition, Lauderhill, Florida** – Project engineer responsible for the design of the 3,800 sq. ft. addition that included a 4-storey elevator tower. The addition of the elevator tower required special attention at the foundation level due to a 5 ft difference in elevation between new and existing foundations.

**Plantation Fire Station No. 2 Addition, Plantation, Florida** – Project engineer responsible for the design of the 4,200 sq. ft. addition to the existing fire station. The design required special attention at the new/existing diaphragm connection due to the existing building structure configuration.

**Hialeah Fire Station No. 4 Addition, Hialeah, Florida** – Project engineer responsible for the preparation of construction documents and structural design of 30-foot high tower addition. The addition required a mat foundation to minimize differential settlement between existing and new construction.

**City of Hialeah Police Station Addition, Hialeah, Florida** – Project engineer responsible for the design and preparation of construction documents for a new 4,500 sq. ft. covered walkway and 600 sq. ft. entry canopy. The entry canopy expressed the structure by using tube steel member for the bowstring trusses.

**Jacobs Aquatic Center, Key Largo, Florida** – Project engineer responsible for the construction documents and design of the 2-story building. Project required special attention to detailing to maintain the Key West architecture.

### **Education**

- MS in Geotechnical Engineering, University of Florida, 2003
- BE in Civil Engineering, National Institute of Technology Karnataka, India, 2001

**Year started with PSI: 2003**

### **Professional Experience**

Mr. Badri has close to 11 years of experience in the area of foundation design and construction operations. He has been involved in numerous projects for the public and private sectors. Mr. Badri's experience includes coordination, monitoring and evaluation of subsurface explorations, laboratory studies, construction operations and geotechnical report preparation.

Mr. Badri has been working alongside the FDOT District Materials Office (IV and VI) since 2003 and is intimately familiar with their requirements. Mr. Badri has been involved with over 200 task work order's (TWO) covering a wide array of geotechnical engineering activities. These activities include field, laboratory and engineering assignments relating to bridges, miscellaneous structures, roadway, evaluation of distress, drainage studies and providing in-house staff support to the District Materials Office. Within District VI alone, Mr. Badri has been involved with work along various state roads including S.R. 5, 7, 9, 90, 25, 93, 823, 826, 852, 932, 959, A1A and US-1. Since 2003, Mr. Badri has been serving the Department (PB America, owner's representative) on the Port of Miami Tunnel project which is one of FDOT's largest and most unique undertakings.

As a part of his MS degree curriculum at the University of Florida, Mr. Badri performed extensive research on the axial capacity of large diameter cylindrical piles. He has been responsible for analysis and recommendations related to the design and construction of foundation elements on projects, such as Roadways, Schools, telecommunication towers, and industrial developments. He has also been involved in several projects involving problematic soil conditions, where in ground improvement techniques such as vibro-replacement, vibro-compaction, injection grouting and CSV stabilization were used. Mr. Badri has also extensive experience with FDOT Standards and has worked with the FDOT in numerous geotechnical studies for roadways, bridges, retaining structures and walls.

### **REPRESENTATIVE PROJECTS**

#### **Port of Miami Tunnel (SR A1A), Preliminary Feasibility Study, Miami-Dade County, Florida (2 miles)**

Involved in the preparation of numerous Geotechnical Data Reports which compiled the results of the field and laboratory tests associated with the geotechnical works on land and in water. The field work involved extensive permitting and coordination with various government and environmental entities. The field work involved the use of methodologies such as SPT, rock coring, permeability testing, CPT, Seismic-CPT etc. Due to time restrictions from cruise operations, field work sometimes required working on 24 hour operation.

**Role:** Project Engineer

**Dates:** August 2003 to on-going

**Client:** Mr. Steve Dusseault, P.E., P.G., PB America, 305-514-3122

**I-95 (SR 9) Roadway Widening in Indian River County, Florida (10 miles)**

The project involved performing geotechnical work for roadway widening, bridge widening, ponds and studies relating to noise walls.

**Role:** Project Engineer

**Dates:** September 2008 to March 2009

**Client:** Mr. Terrence Walters, FDOT DMO, 954-677-7019

**SR 838 Bridge Replacement over Little River, Broward County, Florida (1 mile)**

The project involves the design of a new bridge, a temporary detour bridge, sheet piles, permanent bulkhead, gravity wall and roadway reconstruction. We have been working alongside FDOT District IV structures group to finalize the design documents.

**Role:** Project Manager

**Dates:** February 2009 to on-going

**Client:** Mr. Ramon Otero, P.E., FDOT District IV, 954-777-4162

**SR 25/US 27 ITS/DMS Improvements, Broward and Palm Beach Counties, Florida (5 Miles)**

The project involves the construction of ITS/DMS structures along SR 25 in Broward and Palm Beach Counties, Florida.

**Role:** Project Manager

**Dates:** December 2011 to February 2012

**Client:** Mr. Julio Delgado, P.E., FDOT District IV, 954-777-4390

**I-75 (SR 93) Managed Lanes, Miami-Dade and Broward County, Florida (10 miles)**

The project involved developing geotechnical data reports the drainage and roadway aspects of the I-75 Managed Lanes project in Miami-Dade and Broward Counties. The work involved undertaking field work in soft/unstable ground conditions.

**Role:** Project Manager

**Dates:** October 2011 to March 2012

**Client:** Mr. David Y. Chiu, P.E., FDOT DMO/ Mr. Terrence Walters, FDOT DMO, 954-677-7019

**SR 80 from SR 15 to Railroad Tracks, Palm Beach County, Florida (3.5 miles)**

The project involved roadway widening and milling along a 3.5 mile section of roadway in Palm Beach County, Florida. The biggest challenge on this project was the fact that the project alignment consisted of deep highly organic soils with portions of it above the water table.

**Role:** Project Manager

**Dates:** August 2011 to January, 2012

**Client:** Mr. Scott Horlander, P.E., Protean Design Group, Inc. 407-246-0044

**SR 15 from E. 5<sup>th</sup> Street to SR 700, Palm Beach County, Florida (4 miles)**

The project involved roadway widening and milling along a 4 mile section of roadway in Palm Beach County, Florida. The biggest challenge on this project was the fact that the project alignment consisted of deep highly organic soils with portions of it above the water table.

**Role:** Project Manager

**Dates:** May 2009 to June 2009

**Client:** Mr. David Y. Chiu, P.E., FDOT DMO 954-677-7038/Mr. Thuc Le, P.E., FDOT, 954-777-4552

## **Education**

Bachelor of Science, Civil Engineering, University of Wisconsin - Platteville, 1978

**Year started with PSI:** 2001

**Years' experience with other firms:** 23

## **Professional Experience**

Mr. Passe has over 35 years of experience in the field of geotechnical engineering and materials testing, 13 of which were spent working directly with the Florida Department of Transportation. He spent four of those years as District Geotechnical Engineer, responsible for assignment of project managers for design and construction, and the other eight as the State Geotechnical Engineer, acting as Senior Review and troubleshooter for projects state wide as well as provided guidance and leadership for geotechnical policy and procedures for the FDOT. He has participated in over 100 various geotechnical and construction projects regarding, roads, bridges, buildings and sinkholes all over the State of Florida. He has also done numerous presentations for the FDOT at conferences and seminars, and helped develop geotechnical-related specifications and training courses. He served on the Geotechnical Institute, Transportation Research Board and National Cooperative Highway Research Program task forces, committees and panels.

## **REPRESENTATIVE PROJECTS**

### **Representative DOT Project Experience**

As the State Geotechnical Engineer for the Florida Department of Transportation in Tallahassee, Mr. Passe was responsible for planning, directing and coordinating the state geotechnical unit for providing statewide geotechnical design procedures and guidelines, writing construction specifications and handling of geotechnical research contracts. He was also responsible for the review of geotechnical engineering investigations and reports from both in-house and consultant forces for all transportation phases – design, construction and maintenance.

Since joining PSI, Mr. Passe has been involved in determining design criteria for the high-speed railroad, provided statewide training for consultant engineering inspectors, state inspectors at construction workshops. He has been responsible for detailing specifications, setting product pile lengths and providing driving criteria using Wave Equation Analysis Program, Pile Driving Analyzer, CAPWAP® and for verification of testing on design build projects. Mr. Passe assists the FDOT Districts with geotechnical problems, including ground vibration monitoring, pile driving analysis and other engineering instrumentation, testing and monitoring. Mr. Passe was involved in putting together the Pile Driving Inspector and Drilled Shaft Inspector's training course and provides training for MSE Wall Inspectors for FDOT. Recently, Mr. Passe developed the FDOT State-wide procedures for evaluating structures with unknown foundations. In addition to his work with the FDOT, Mr. Passe works with many different State and Federal entities providing them information and assistance in the field of geotechnical engineering.

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**Port of Miami Tunnel (SR A1A), Preliminary Feasibility Study, Miami-Dade County, Florida (2 miles)**

Involved in the preparation of numerous Geotechnical Data Reports which compiled the results of the field and laboratory tests associated with the geotechnical works on land and in water. The field work involved extensive permitting and coordination with various government and environmental entities. The field work involved the use of methodologies such as SPT, rock coring, permeability testing, CPT, Seismic-CPT etc. Due to time restrictions from cruise operations, field work sometimes required working on 24 hour operation.

**Role:** Project Engineer

**Dates:** August 2003 to on-going

**Client:** Mr. Steve Dusseault, P.E., P.G., PB America, 305-514-3122

**I-95 (SR 9) Roadway Widening in Indian River County, Florida (10 miles)**

The project involved performing geotechnical work for roadway widening, bridge widening, ponds and studies relating to noise wall.

**Role:** Project Engineer

**Dates:** September 2008 to March 2009

**Client:** Mr. Terrence Walters, FDOT DMO, 954-677-7019

**I-10 over Escambia Bay in Pensacola, Florida**

Part of the CEI team for FDOT District 3; Responsibilities included review of geotechnical data/recommendations and verification testing of piling for bridge replacements.

**Role:** Chief Geotechnical Engineer

**Dates:** 06/05 – 10/08

**Client:** Bryan Estock, PE, *Ph:* (850) 777-8761

**Design-Build: I-95 Roadway Widening in Brevard County, Florida**

Subsurface investigation, laboratory-testing program pile, foundation design, engineering analysis, report preparation and analysis of PDA test data and issuance of pile certification documents. Project included a bridge widening over Eau Gallie Blvd. and Lake Washington Road, bridge over US-17/92 (SR 500), Pineda Causeway Interchange Over I-95 and Wickham Road Bridge.

**Role:** Chief Geotechnical Engineer

**Dates:** 02/08 – 03/09

**Client:** Sean Moore, PE, *Ph:* (813) 977-3434

**SR-8A (I-110)/SR-8 (I-10) East of Old Palofax Road to East of SR-291 - Escambia County, Florida**

Responsible for the subsurface investigation, laboratory-testing program pile, foundation design, engineering analysis, report preparation and analysis of PDA test data and issuance of pile certification documents.

**Role:** Chief Geotechnical Engineer

**Dates:** 05/03 – 10/08

**Client:** Fred Brown, PE, *Ph:* (850) 477-7485

**Eduardo M. Suarez, PSM**  
President



**Areas of Expertise:**

Project Management / Boundary Survey /Route Surveying /Roadway Design Surveys / Control Surveys /Topographic Surveys / FEMA Elevation Certificates / Platting

**Professional Affiliations:**

Florida Surveying & Mapping Society

**Education:**

Miami Dade College, Miami FL  
Engineering Studies, A.S. 1993

**Registration/Certification:**

2001/Professional Surveyor & Mapper/ Florida LS6313

**Profile:**

Eduardo Suarez has been surveying in South Florida for the last 28 years. Beginning in 1985 to 2001 he worked for Manuel G. Vera and Associates and Miami-Dade County. Licensed in 2001 he established his own firm. Over the last 12 years his firm has surveyed as a Prime or subconsultant for the following entities: Village of Pinecrest, Florida Department of Transportation, Miami-Dade County, City of Miami, City of Miami Beach, City of Coral Gables, Village of Key Biscayne, Village of Palmetto Bay, Town of Cutler Bay, City of Homestead, City of Doral, Miami Shores, North Miami, North Miami Beach and El Portal. Mr. Suarez brings a varied skill set along with experience that allows him to provide excellent project management.

**Project Experience:**

**Greynolds Park- 17530 West Dixie Hwy, North Miami Beach, FL- Gurri, Matute, P.A.**—Performed and Prepared a Topographic Survey for future design and construction.

**Municipal Complex City of Miami Gardens:** Performed and prepared Sketch and Legal Description for a ten foot Utility Easement. Coordinated with Florida Power and Light Project Manager for location of Utility Easement. Assist with Final Recordation Process.

**North Dade Optimist Park:** Performed and prepared a Boundary, Topographic, and Subsurface Utility Survey of North Dade Optimist Park for future design and construction.

**City of Miami Gardens Amphitheater:** (2 Acres) Performed and prepared a Topographic Survey of the proposed site for the City of Miami Gardens Amphitheater, for future design and construction.

**Oleta River State Park:** Performed and prepared a Topographic Survey of various locations of Oleta River State Park for future design and construction.

**City of North Miami Claude Pepper Park:** (3 Acres) Performed and prepared a Boundary and Topographic Survey of the City of North Miami Claude Pepper Park for future design and construction.



**City of North Miami Enchanted Forest Elaine Gordon Park:** Performed and prepared a Topographic Survey, and Force Main As-Built Survey.

**City of North Miami Beach Uleta Park:** (5 Acres) Performed and prepared a Boundary Survey of the City of North Miami Beach Uleta Park.

**Village of Key Biscayne Village Green Park:** (6 Acres) Performed and prepared a Boundary and Topographic Survey of the Village of Key Biscayne Village Green Park for future design and construction.

**City of Doral Pedestrian and Bicycle Path:** (1/2 Mile) Performed and prepared Topographic Survey and sketch to accompany legal description for the City of Doral Pedestrian and Bicycle Path.

**Village of Palmetto Bay City Hall:** Performed the entire survey layout for the Village Hall construction. Prepared sketch to accompany legal descriptions for various easements for Miami-Dade Water and Sewer Dept. Prepared sketch to accompany legal description for the closure of Holcomb Avenue (SW 98 Avenue Road). Performed final As-Built Survey and elevation certificates for certificate of occupancy.

**Village of Palmetto Bay Library:** Performed and prepared a Boundary and Topographic Survey of the Village of Palmetto Bay Library for future design and construction. Prepared sketch to accompany legal descriptions for various easements for Miami-Dade Water and Sewer Dept. Performed final As-Built Survey and elevation certificates for certificate of occupancy.

**John Pennekamp State Park:** (5 Acres) Performed and prepared a Topographic Survey of John Pennekamp State Park for future design and construction.

**City of Miami Hadley Park:** Prepared horizontal control, vertical control and construction layout of the City of Miami Hadley Park Recreation Facility, Restrooms and Concession Building.

**City of Miami Athlie Range Park:** (6 Acres) Performed and prepared a Boundary and Topographic Survey of the City of Miami Athlie Range Park for future design and construction.

**Miami-Dade County Goulds Park:** (7 Acres) Performed and prepared a Topographic Survey of Miami-Dade Park in Goulds for future design and construction.

**City of South Miami Murray Park:** (1 Acre) Performed and prepared a Boundary and Topographic Survey of the City of South Miami Murray Park for future design and construction.

**Miami-Dade County Black Point Marina:** Performed and prepared a Topographic Survey of Miami-Dade County Black Point Marina for future design and construction.

**City of Hialeah Amelia Park:** (100 Acres) Performed and prepared a Topographic Survey of the City of Hialeah Amelia Park for future design and construction.



**Oak Grove Park:** (22 Acres) Performed and prepared Boundary and Topographic Survey. Prepare Tentative Plat to being platting process. Submit Final Plat for Board of County Commissioners Approval; Assist with Final Plat recordation.

**Thalatta Estates Park:** Performed and prepared a Boundary, Topographic and Mean High Water Survey of Thalatta Estates for future design and construction.

**Village of Pinecrest Elevation Certificates:** Prepared Elevation Certificates for the Village of Pinecrest Public Works Facility, Miami-Dade County Public Library Pinecrest Branch, various facilities within Pinecrest Gardens, Community Recreation Room and Tennis Pro Shop within Coral Pine Park, Utility Building within Evelyn Greer Park and Garage Building within Suniland Park.

**Village of Palmetto Bay Coral Reef Park:** (45 Acres) Performed and prepared a Boundary and Topographic Survey of the Village of Palmetto Coral Reef Park for future design and construction.

**Miami-Dade County Naranja Park:** (8 Acres) Performed and prepared a Boundary and Topographic Survey of Miami-Dade County Naranja Park for future design and construction.

**Town of Cutler Bay Saga Bay Park:** (5 Acres) Performed and prepared a Boundary and Topographic Survey for Town of Cutler Bay Saga Bay Park for future design and construction.

**Miami-Dade County Sgt. Joseph Delancy Park:** (10 Acres) Performed and prepared a Boundary and Topographic Survey for Miami-Dade Sgt. Joseph Delancy Park for future design and construction.



## K. Project Implementation Strategy



### Project Approach

The Village of Key Biscayne is a diverse community with an equally diverse collection of managed properties. We understand the RFQ to require the following services:

- Development of Civic Center Park Conceptual Plans and Site Planning
- Development of Landscape and Irrigation Plans
- Preparation of Plans and Specifications for Civic Center Park
- General Landscape and Architectural Services
- Development of Entryway, Identification, and Interpretive Signage
- Dog Park Design and Specifications
- Design of Barrier-free Facilities
- Structural Analysis and Assessment
- Other Related Services

CMA and our sub-consultants have experience working together to provide these services to other communities. Our process for project delivery has been carefully developed through our many years of experience serving municipal clients. Our process generally has ten steps. It will vary depending on whether the project is a study or a construction project, but the same steps are followed.

#### 1. Scope of Work

Defining a clear project scope with the Client is the key to successful projects. We will meet with the village to get a clear understanding of the desired project outcome and budget prior to providing any fee proposals. We will work with the Village of Key Biscayne to develop clear goals for the project, so that CMA, as your consultant can begin to ask the right questions to develop the scope of work. We will request any existing information the village may have on record, such as surveys, existing permits, geotechnical reports, master plan studies, etc. that may aid in developing a clear understanding of the impacted site.

#### 2. Due Diligence with Permitting Agencies

After defining the scope, CMA will research and confirm which permitting agencies will be involved in reviewing the project and time frames for reviewing permit submittals. By engaging permitting agencies early in the process, we often avoid unnecessary comments that may delay projects from moving forward. At this time, we will also identify which sub-consultants are needed to complete the work.

#### 3. Develop a Project Schedule

Once we have a clear understanding of the permitting process, we

will develop an initial schedule to review with the village at the project Kick-off meeting. The schedules are typically prepared in Microsoft Project or compatible software. Our detailed schedules build in time not only for the design process, but also time for our internal quality control effort and time for the client to review and comment on our project deliverables. This way the village will have a clear understanding of the work effort involved in the project and can track and monitor our progress. We will work with the Village of Key Biscayne to develop milestone dates at the project's inception that are mutually agreeable.

#### 4. Kick-off Meeting

At the Kick-off meeting, we will meet with the village's project manager, any key village staff, and sub-consultants to review the project goals, schedule, and process. At the conclusion of the kick-off meeting, we will have agreed upon the project deliverables, milestone dates, the project critical path, and the project goals. Meeting minutes and an updated schedule memorializing the kick-off meeting will be distributed within 48 hours of the meeting.

#### 5. Schematic Design

The Schematic Design Phase includes the gathering of necessary base information needed to complete the work. This includes boundary and topographic surveys, geotechnical reports, traffic reports, etc. We will provide general site layouts of the overall site depicting the program elements that have been defined with the village. This submittal may also include preliminary utility and stormwater layouts, conceptual grading, schematic building design, landscape pallet and layout, preliminary site furnishings, and a preliminary opinion of probable cost. If appropriate, we'll include conceptual renderings of the projects to help communicate design intent. CMA will submit the documents one week prior to meeting with the Village of Key Biscayne to review the documents and the village's comments. Prior to the submittal of the documents, they will go through our internal quality control process. It is the same process that will be followed at each submittal. We assign the QC to a professional that is not directly involved with the design of the project to review the documents. This independent reviewer provides a fresh set of eyes to the document which in our experience identifies more potential conflicts that may arise as the project moves forward. The reviewer will be the same reviewer at each phased submittal. The reviewer completes and signs a checklist that is linked to the submitted documents. The purpose of meeting after submitting the documents will be to get owner input in the development of the project, to update the project schedule as appropriate, and make decisions regarding next steps in the project. The schematic design phase will be memorialized with formal meeting minutes.

#### 6. Design Development

The Design Development Phase will include the incorporation of owner comments from the Schematic Design Phase and refinement of previously submitted documents. In addition, we will add all of the construction details and notes for each of the represented disciplines. As before, the documents will go through our QA/QC process and CMA will submit the documents one week prior to meeting with the Village of Key Biscayne to review the documents and the village's comments. We will meet to review progress, to update the project schedule as appropriate, and make decisions regarding next steps in the project. The design development phase will be memorialized with formal meeting minutes. In some instances, the design development drawings may be ready to submit for stormwater permits in advance of the rest of the document set.

#### 7. Construction Documents

The Construction Phase will include the incorporation of owner comments from the Design Development Phase and refinement of previously submitted documents. We will prepare the specifications package to coincide with the construction documents. The documents will go through our QA/QC process and CMA will submit the documents one week prior to meeting with the Village of Key Biscayne to review the documents and the village's comments. We will meet to review the documents and finalize strategy for project bidding and refine the opinion of probable cost prior to issuing bid documents. The construction document phase will be memorialized with formal meeting minutes.

## 8. Bid and Permit Documents

The construction documents will be prepared for public bid, we will prepare final quantities, and make any updates to the specifications package based on owner comments. The documents will be prepared for building permit submittal by the awarded contractor. We will provide a written specification of the qualities of that the awarded contractor should demonstrate in terms of project experience and financial stability.

## 9. Construction Administration

After awarding of the project, our Construction Engineering Inspector will be assigned to the project. The construction administration process begins with a pre-construction meeting with the awarded contractor to address proposed construction schedule, any permitting coordination issues, and any questions regarding the permit documents. During the construction administration process CMA will respond to Contractor Requests for Information, Shop Drawing Reviews, and Product Submittals. We will develop an agreed upon regular site visit schedule with the village and issue site reports at each visit. We will provide a walk through and punch list at substantial completion.

## 10. Project Close Out

After substantial completion, CMA will perform a final walk through to confirm that punch list items have been completed and provide certification letters for utilities, stormwater, and landscape as dictated by the needs of the project. At the end of the project, the Client Services manager will meet with the city team to evaluate the design team's performance on the project.

We are classically trained landscape architects that focus on developing quality, sustainable outdoor spaces and can easily provide the services listed in the RFQ such as hardscape, landscape, lighting, and dog park design. Our landscape architecture staff provides multiple services such as master planning, site planning, land use entitlement, landscape, hardscape, irrigation, lighting, and wayfinding design. Our portfolio of work of work includes streetscapes, parks and recreation, roofscapes, golf courses, athletic fields, community centers, schools, and other diverse projects improving communities throughout the state. Our added benefit is that through experience we understand how cities and towns are managed, function, and operate. Our approach to municipal design has 7 key elements:

1. Carefully develop/ study the facility master plans and capital improvement budgets to understand long term growth strategies and efficiencies.
2. Anticipate future expansion and development needs in current capital improvement projects.
3. Leverage our local relationships to aid our clients in establishing dialogue with permitting agencies.
4. Understand and plan around the city events calendar so that construction of projects takes place when it is least disruptive.
5. Utilize GIS Mapping as a tool to create highly accurate inventories of city infrastructure.
6. Communicate with our clients to find the best construction value in current projects to facilitate future needs.
7. Design projects with the understanding that they need to be maintained and what the available resources are to maintain improvements over their life cycle.

### Graphic Tools:

Clear graphic communication of design intent and accurate construction documents are extremely important in the practice of landscape architecture, our landscape architecture department utilizes innovative software to produce and develop graphics that clearly communicate the vision for a design.

Land F/X is a plug in tool developed for supplemental use with AutoCAD. The software provides our team



with the ability to quickly develop conceptual plan graphics, detailed planting, irrigation, hardscape, and lighting plans. A benefit of the software is that materials schedules are updated automatically as design elements are placed into the drawings and details are tied to their CSI specification numbers. This provides for greater accuracy in materials square footages and line item counts. It also aids in expediting the QA/QC process.

Google Sketch-up is a tool used to create total 3D models of project sites. By developing concept designs in 3D our team can allow clients to virtually travel through the design prior to implementation. Through the processing of still Sketch-up images in Maxwell Render, we are able to provide clients with high quality 3-D images for use in presentations, websites, and other marketing material

Of course, as landscape architects we have the ability to sit down and sketch out ideas with our clients by hand.

The Adobe Suite of products includes Photoshop, Illustrator, and In-Design which we use to marry multiple types of graphic techniques in order to convey information in a visually.

In addition to the services typically provided by landscape architecture firms, our in-house team has a particularly strong knowledge of irrigation design and practices which is critical in the maintenance of landscapes in South Florida. We are currently working with the City of Miami Beach and the City of Deerfield Beach to establish Central Control Irrigation Systems to operate all of their irrigation systems from a central location. This saves time, money, and water as it continues to become a scarce resource. While we work closely with all irrigation manufacturers, we are a Rainbird Authorized Service Provider for IQ Central Control Systems. This means that Rainbird contracts us directly as third party to certify the installation of their irrigation controllers to clients with their IQ Central Control Product. We believe that this thorough understanding of water use sets us apart from the competition.

Public landscapes, whether in the form of parks, streetscapes, or other municipal facilities, serve many purposes. They provide beautification, shade, habitat for wildlife, they improve water quality, and they can serve as educational spaces informing the public of our need to care for our natural resources. They improve our quality of life. Our approach to landscape architecture is to understand a client's ability to maintain the spaces we create. The design and its implementation represent a fraction of the works anticipated life. We work closely with our clients to make certain they inherit designs they can maintain for the long term benefit of their community. Landscapes and infrastructure should be sustainable socially, environmentally, and economically.





## L. Computer Aided Deisgn (CAD)

## Computer Aided Design (CAD)



Clear graphic communication of design intent and accurate construction documents are extremely important in the practice of landscape architecture, our landscape architecture department employs special software above and beyond their competitors for the development of their graphic presentations.

Our firm utilizes the most current version of AutoCAD Civil 3D to develop construction documents for our projects. Civil 3D allows our project staff to model projects in the real world to look for conflicts and provide solutions virtually before any construction takes place.

Land F/X is a plugin tool developed for supplemental use with AutoCAD. The software provides our team with the ability to quickly develop conceptual plan graphics, detailed planting, irrigation, hardscape, and lighting plans. A benefit of the software is that materials schedules are updated automatically as design elements are placed into the drawings and details are tied to their CSI specification numbers. This provides for greater accuracy in materials square footages and line item counts. It also aids in expediting the QA/QC process.

Google Sketch-up is a tool used to create total 3D models of project sites. By developing concept designs in 3D our team can allow clients to virtually travel through the design prior to implementation. Through the processing of still Sketch-up images in Maxwell Render, we are able to provide clients with high quality 3-D images for use in presentations, websites, and other marketing material

The Adobe Suite of products includes Photoshop, Illustrator, and In-Design which we use to marry multiple types of graphic techniques in order to convey information in a visually compelling and clear way.

Project Data is stored on Dell PowerVault servers and backed up to Dell Tape drives nightly.

Drawings are printed on Canon ImageRunner printers and HP 500 plotters.





## M. Special Considerations

## Special Considerations

There are many qualified firms in South Florida capable of delivering the services necessary for the successful implementation of a design for Key Biscayne's civic park, however no other teams possesses Ms. Kristin Caborn, CPRE , of Atkins, who will provide programming and feasibility studies for the project. Kristin was the Parks and Recreation Director for the City of St. Cloud before joining the consulting world and dedicating her career to serving parks and recreation clients. Her experience on both sides of the planning process brings invaluable understanding and experience to the team. She will help the city work through its programming issues for the park and help the team make decisions on the design of the park not only through its initial needs, but through its long term maintenance and strategic meaning for the Village. In addition to her experience, she is also a Certified Parks and Recreation Executive as administered through the National Parks and Recreation Association and a certified Crime Prevention Through Environmental Design Professional (CPTED).

Our second advantage is our experience with Dog Park design. In addition to two dog parks previously designed and implemented by CMA. Our team has recently been working with the Village of Pinecrest to develop a master plan for Veteran's Wayside Park that incorporates a dog park use into an existing small urban park. This project has required our team to visit and analyze many of the dog parks located in the tri-county area and develop a clear understanding of the design criteria required for the successful implementation of dog parks. Our team for Veteran's Wayside Park was led by Cris Betancourt, who will lead our team for the design of the Civic Park.



# **N. Bid and Award Services**

# **O. Construction Administration**

## Bid and Award Services

The Engineering Construction and Inspection Department at Chen Moore and Associates consists of highly experienced professionals backed up by years of experience and the latest technology. They assist our designers in many aspects of the project including:

- Constructability Review and Quantity Measurement
- Bidding and Contract Awards Assistance
- Shop Drawing Review
- Contract Administration and Payments
- Field Inspection and Reporting
- NPDES Compliance
- Field Engineering and Problem Solving
- Public Information and Liaison with Community
- Density Testing

One of the main technical advantages of our team comes from the development of the GPS camera. Chen Moore and Associates developed software to link photographs to GPS locations and the direction of the camera. Further development included software to create construction reports with points showing photo location and direction on index maps, actual photos with descriptive notes and overall daily reporting requirements. This development assists in two ways. It saves time on photo management as photos do not need to be stored with long descriptive names; they can be selected from the map. The daily report itself is quickly generated and distributed electronically to all key stakeholders.

Another advantage comes from the use of GIS technology during construction inspection and management. This approach offers many benefits in dealing with the immense amount of data that must be acquired and managed during the construction process.

In addition to the basic services above, the CEI team at CMA may perform the following tasks as needed by the Client:

- Coordinate the bid process, analysis of bids received, and providing recommendation on the award of construction contract
- Prepare supplementary sketches required to solve problems during construction
- Checking detailed construction and shop drawings submitted by the contractor for compliance with the design concept
- Perform periodic visits to the project site at intervals appropriate to the various stages of construction to observe progress and the quality of the executed work
- Issue Instructions from the City to the contractor or contractors,

## Construction Administration

issuing necessary interpretations and clarifications of contract documents, and making decisions as to the acceptability of the work

- Determine amounts of progress payments due, based on completion of the work, and recommending issuance of such payments by the City.
- Observe initial operation of the project, or performance tests required by specifications
- Make a final inspection and reporting on completion of the project, including recommendations concerning final payments to contractors and release of retained percentages, if any
- Prepare needed documents including record drawings and certifications for submittal to regulatory agencies

Depending upon the specific needs of each project, The Chen Moore Team will make construction inspectors available full-time or available at critical junctures in the project process for certification and testing.

It is essential during construction to have on-going communication between the client, contractor, consultant and community. Chen Moore and Associates has established a solid reputation as a construction administration firm. One important aspect of clarification is between the community and the client. This cannot be overlooked. The construction phase is when most residents notice changes occurring, along with disruptions. It is during this time that most residents start paying more attention to the actual changes taking place. It is extremely important to keep an ongoing dialogue with the residents to explain why certain aspects were designed as they were and what the overall benefits will eventually be.

The Chen Moore Team realizes that even with the best planning, pre-investigation, design and communication, changes can occur during construction. The most effective way of dealing with change orders is to try to anticipate them, provide alternative solutions quickly, which are acceptable to both client and contractor, and negotiate with both entities to minimize additional costs. Often times, changes can be made on site without the need for the change order process. Chen Moore and Associates has built a reputation of administering projects in a way which minimizes change orders and the costs associated with them.



## P. Financial Information

## Financial Information

Chen Moore and Associates has grown from just three employees in 1999 to 28 full-time employees today. Our income has also grown dramatically, from less than \$1 million in 2002 to over \$5 million in 2013.

### Financial Resources and Capabilities

Chen Moore and Associates' Dun & Bradstreet number is 85-945-9547. As of 10/2012, our D&B rating is 1R2

The following clients can be contacted as credit references:

Ace Blueprint  
5144 NW 12 Ave  
Ft Lauderdale FL 33309  
(954) 771-0104

Stoner & Associates Inc  
4341 SW 62 Ave  
Davie FL 33314  
(954) 585-0997

C&W Engineering Inc.  
2701 Vista Parkway Ste A-7  
West Palm Beach, FL 33411  
(561) 642-5333

Sun Trust Bank  
6260 Powerline Road  
Fort Lauderdale, FL (954) 202-2642  
501 E. Las Olas, Fort Lauderdale, FL 33302  
Bridget Christie  
Phone: (954) 218-6680  
Fax: (954) 765-7520

### Ownership

The firm is privately owned.

Key Personnel	Ownership %
Dr. Ben Chen, P.E., BCEE	52%
Peter Moore, P.E., LEED AP	31%
Jason McClair, P.E., CFM, LEED AP	6%
James Barton, P.E., LEED AP	4%
Oscar Bello, P.E.	3%
Safiya Brea, P.E., LEED AP	2%
Jose Acosta, P.E.	2%



## Q. Appendices

**APPENDIX "A"**

**ACKNOWLEDGEMENT, WARRANTY AND ACCEPTANCE**

A. Consultant warrants that it is willing and able to comply with all applicable State of Florida laws, rules and regulations.

B. Consultant warrants that they have read, understand and are willing to comply with all of the requirements of the RFQ and the addendum/ addenda nos.

C. Consultant warrants that it will not delegate or subcontract its responsibilities under an agreement without the prior written permission of the Council.

D. Consultant warrants that all information provided by it in connection with this proposal is true and accurate.

E. CONTINGENCY FEE AND CODE OF ETHICS WARRANTY:

Consultant warrants that neither it, nor any principal, employee, agent, representative or family member has promised to pay, and Consultant has not, and will not; pay a fee the amount of which is contingent upon the Village of Key Biscayne awarding this contract. Consultant warrants that neither it, nor any principal, employee, agent, representative has procured, or attempted to procure, this contract in violation of any of the provisions of the Miami-Dade County conflict of interest and code of ethics ordinances. Further, Consultant acknowledges that a violation of this warranty will result in the termination of the contract and forfeiture of funds paid, or to be paid, to the Consultant, if the Consultant is chosen for performance of the contract.

Signature of Official: \_\_\_\_\_



Name (typed): Peter Moore, P.E., LEED AP

Title: President

Consultant: Chen Moore and Associates

Date: July 7, 2014

**APPENDIX "B"**  
**NON-COLLUSIVE AFFIDAVIT**

State of Florida

SS:

County of Broward

Peter Moore, P.E., LEED AP being first duly sworn, deposes and says

that:

- (1) He/she is the, (Owner, Partner, Officer, Representative or Agent) of:  
Chen Moore and Associates the Consultant that has submitted the attached Proposal;
- (2) He/she is fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such Proposal;
- (3) Such Proposal is genuine and is not a collusive or a sham Proposal;
- (4) Neither the said Consultant nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Consultant or person to submit a collusive or sham response in connection with the work for which the attached Proposal has been submitted, or to refrain from responding in connection with such work, or have in any manner, directly or indirectly, sought by agreement or collusion, communication, or conference with any Consultant or person to fix this Proposal or to secure through any collusion, conspiracy, connivance, or unlawful agreement, any advantage against the Village, or any person interested in the proposed Work;

Signed, sealed and delivered  
In the presence of


By:   
Peter Moore, P.E., LEED AP  
(Printed Name)  
President  
(Title)

**ACKNOWLEDGMENT**

State of Florida

County of Broward

On this July 7 day of, 20 14, before me, the undersigned Notary Public of the State of Florida, personally appeared Peter Moore, P.E., LEED AP and whose name(s) is/are subscribed to the within instrument, and he/she/they acknowledge that he/she/they executed it.

  
WITNESS my hand  
and official seal



Kathryn J. Horrigan  
NOTARY PUBLIC, STATE OF FLORIDA

NOTARY PUBLIC  
SEAL OF OFFICE:

Kathryn J. Horrigan  
(Name of Notary Public: Print, Stamp or  
Type as commissioned.)  
 Personally known to me, or  
 Produced identification:

Personally known  
(Type of Identification Produced)  
 Did take an oath or  
 Did not take an oath



The ownership by one person of shares constituting a controlling Interest in another person, or pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

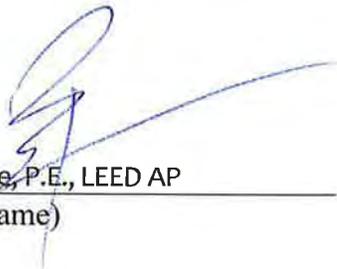
5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws or any state or of the United States with the legal power to enter into a binding contract and which Proposals or applies to Proposal on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of any entity.

Signed, sealed and delivered

In the presence:

---

By:



Peter Moore, P.E., LEED AP  

---

  
(Printed Name)

President  

---

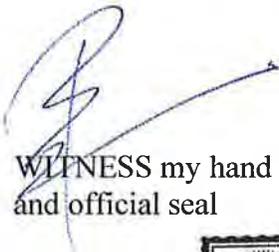
  
(Title)

**ACKNOWLEDGMENT**

State of Florida

County of Broward

On this July 7 day of, 20 14, before me, the undersigned Notary Public of the State of Florida, personally appeared Peter Moore, P.E., LEED AP and whose name(s) is/are subscribed to the within instrument, and he/she/they acknowledge that he/she/they executed it.

  
WITNESS my hand  
and official seal



NOTARY PUBLIC  
SEAL OF OFFICE:

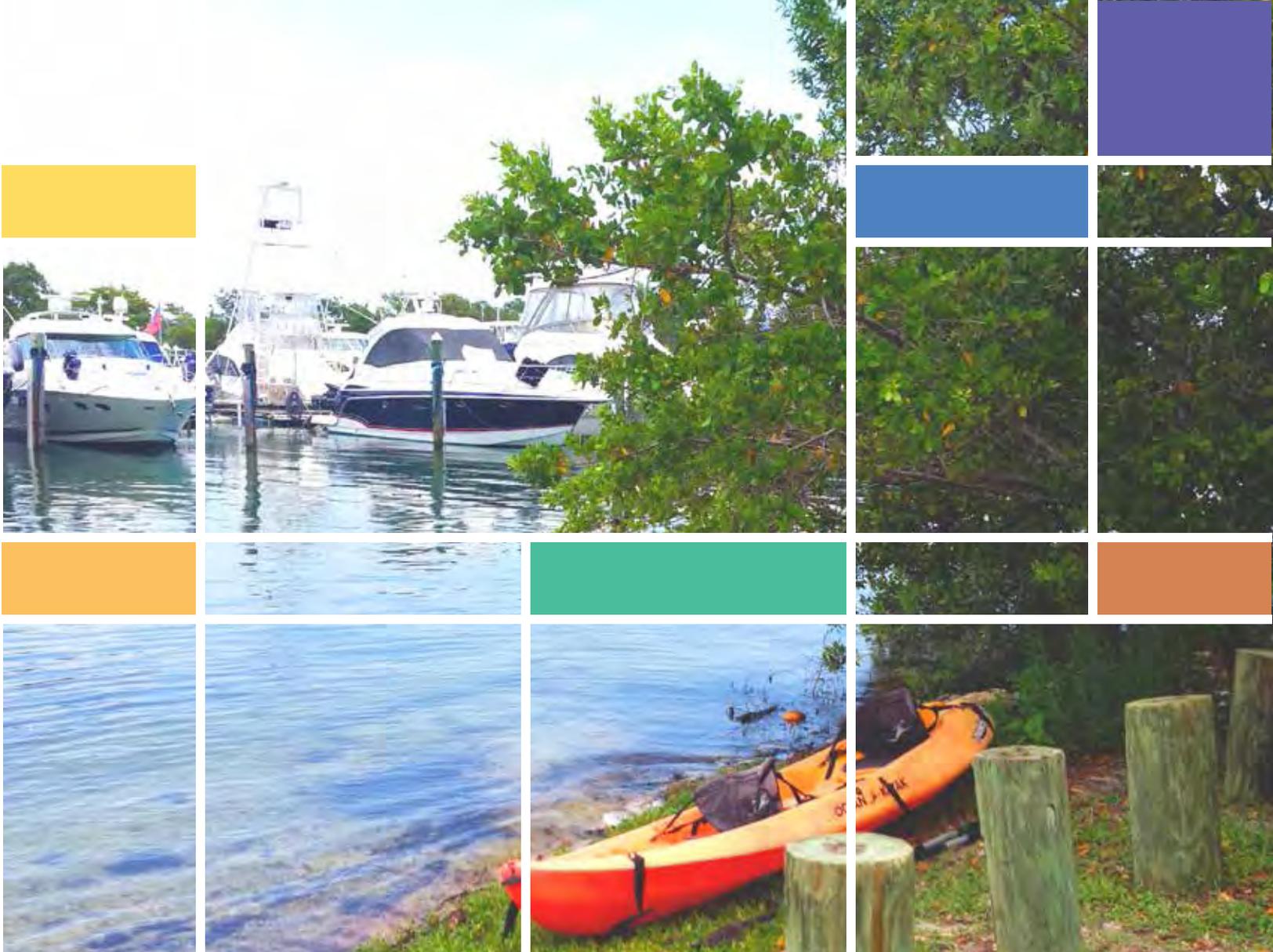
Kathryn J. Horrigan  
NOTARY PUBLIC, STATE OF FLORIDA

Kathryn J. Horrigan  
(Name of Notary Public: Print, Stamp or  
Type as commissioned.)

Personally known to me, or  
 Produced identification:

Personally known  
(Type of Identification Produced)

Did take an oath, or  
 Did not take an oath.



## R. Proof of Authorization

## Proof of Authorization



CPZ Architects Inc

**State of Florida  
Department of State**

I certify from the records of this office that CPZ ARCHITECTS, INC. is a corporation organized under the laws of the State of Florida, filed on December 2, 2002.

The document number of this corporation is P02000128253.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on April 15, 2014, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Fifteenth day of April, 2014*



*Ken Pateman*  
Secretary of State

Authentication ID: 142718880794  
To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.  
<https://files.usdoj.com/certificate.html>

Atkins

**State of Florida  
Department of State**

I certify from the records of this office that ATKINS NORTH AMERICA, INC. is a corporation organized under the laws of the State of Florida, filed on February 29, 1960.

The document number of this corporation is 233840.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 15, 2014, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Fifteenth day of January, 2014*



*Ken Pateman*  
Secretary of State

Authentication ID: 142774888814  
To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.  
<https://files.usdoj.com/certificate.html>

United Engineering Inc

**State of Florida  
Department of State**

I certify from the records of this office that UNITED ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on September 14, 2011.

The document number of this corporation is P11000081155.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on April 29, 2014, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-ninth day of April, 2014*



*Ken Detjen*  
Secretary of State

Authentication ID: C04079E13

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://file.madls.org/authenticate.html>

Longitude Surveyors LLC

**State of Florida  
Department of State**

I certify from the records of this office that LONGITUDE SURVEYORS, LLC, is a limited liability company organized under the laws of the State of Florida, filed on March 12, 2004.

The document number of this company is LD4000019574.

I further certify that said company has paid all fees due this office through December 31, 2014, that its most recent annual report was filed on May 1, 2014, and its status is active.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the First day of May, 2014*



*Ken Detjen*  
Secretary of State

Authentication ID: C09464E28

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://file.madls.org/authenticate.html>

Delta G Consulting Engineers, Inc.

## State of Florida Department of State

I certify from the records of this office that DELTA G - CONSULTING ENGINEERS, INC. is a corporation organized under the laws of the State of Florida, filed on October 5, 1992.

The document number of this corporation is V09412.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 13, 2014, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capitol, this Thirteenth day of January, 2014.



*Ken Detmold*  
Secretary of State

Authentication ID: CCGMP7804

To authenticate this certificate, visit the following site under this ID, and then follow the instructions displayed.

<https://files.madris.org/authid/CcGMP7804>

Professional Service Industries,  
Inc. (PSI)

## State of Florida Department of State

I certify from the records of this office that PROFESSIONAL SERVICE INDUSTRIES, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on July 1, 1983.

The document number of this corporation is B569E2.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 2, 2014, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capitol, this Second day of January, 2014.



*Ken Detmold*  
Secretary of State

Authentication ID: C2478879884

To authenticate this certificate, visit the following site under this ID, and then follow the instructions displayed.

<https://files.madris.org/authid/C2478879884>