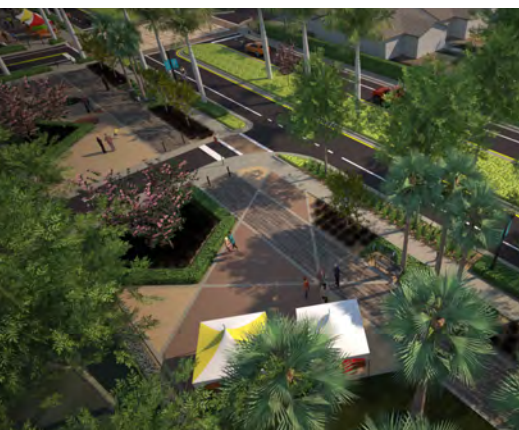


# MCRA RFQ NO. 2021-02 GENERAL ENGINEERING CONSULTING SERVICES



## CONTACT: DANIEL DAVILA, P.E.

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## 1. TRANSMITTAL LETTER

February 2, 2021

City of Margate  
Office of the Purchasing Division, City Hall  
Finance Department, Second Floor  
5790 Margate Boulevard  
Margate, FL 33063

**Re: MCRA RFQ No. 2021-02 General Engineering Consulting Services**

Dear Selection Committee,

Chen Moore and Associates (CMA) is grateful for the opportunity to submit our response for Professional Landscape Architect Services on an “as needed” basis. CMA is a civil engineering and landscape architecture firm founded in 1986 with multiple offices in Florida. The firm has extensive experience throughout the state with civil engineering, utility engineering, landscape architecture, transportation, stormwater master planning, government permitting and construction management. Our versatile firm is an excellent fit for this contract.

We are headquartered in Fort Lauderdale only a few minutes away from the City offices. For this contract we have selected **Daniel Davila, P.E.** as Senior Project Manager. He has over 20 years of extensive civil engineering, utilities, and transportation experience with expertise on trenchless technologies. Mr. Davila has managed complex multimillion dollar projects that range from street improvements, drainage remediation to large diameter pipeline design and design build projects. He also has an excellent working relationship with the City’s staff.

The principals for this contract are **Peter Moore, P.E., F.ASCE, ENV SP, LEED AP**, President of CMA, who will be acting as Principal-In-Charge; and **Jose L. Acosta, P.E., F.ASCE** who will be the QA/QC officer responsible for the quality control process for this contract.

Supporting Mr. Davila, we have the following key team members:

- Cristobal Betancourt, RLA, Deputy Project Manager, 25 years of experience
- Suzanne Dombrowski, P.E., ENV SP, Civil Engineering, 17 years of experience
- Patrick Kaimrajh, P.E., Civil Engineering, 12 years of experience
- Jason McClair, P.E., Stormwater Engineer, 24 years of experience
- Jennifer Smith, P.E., Stormwater Engineer, 14 years of experience
- Eric Harrison, RLA, Parks Design, 17 years of experience
- Stefan Bortak, RLA, ASIC, CID, Streetscape Design, 15 years of experience
- Matthew O’Rourke, Construction Administration, 14 years of experience

### Understanding of Scope/Experience with similar contracts

We have reviewed the RFQ and understand that assignments may include the following: civil engineering and landscape architecture services for utility infrastructure improvements, stormwater improvements, greenways, waterfront promenades, plazas, amenities, pedestrian crossings, park renovations; preparation of roadway median landscape plans; preparation and procurement of requisite environmental permits; presentations to Council, staff, and the public; and other miscellaneous assignments. Our Fort Lauderdale office holds multiple continuing services contracts with municipalities throughout the state including: Town of Davie, City of Dania Beach, Wilton Manors, Pembroke Pines, Miramar, Coral Springs, Delray Beach, Fort Lauderdale, Hollywood, Miami, Miami Beach, North Miami Beach, Oakland Park, Wellington, West Palm Beach, and Wilton Manors. The services we provide for these communities are diverse. In Margate, we have been responsible for several water infrastructure improvement projects, as well as a citywide tree canopy study, the design of two neighborhood parks (Oriole and Centennial), and the beautification improvements to the City’s medians.

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## Design Philosophy

Public spaces and infrastructure, whether in the form of parks, streetscapes, community centers, promenades, public plazas, 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 and enhance the urban experience. Our approach to civil engineering and landscape architecture is to provide context sensitive solutions. We spend the time to know our Clients and the community's that they serve. Landscapes and infrastructure should be sustainable socially, environmentally, and economically. Our goal is to provide the City with responsive service and exemplary projects to increase quality of life for the City and its residents.



Each member of the CMA team is committed to providing the City of Margate with responsive professional services. We look forward to presenting our qualifications and approach to this contract in more detail to the selection committee. Should you have any questions, please do not hesitate to contact me at 954.730.0707, ext.1085 or ddavila@chenmoore.com. CMA makes a positive commitment to timely perform the work within budgetary requirements. My signature certifies the veracity of the contents of the submittal and binds the firm to the CMA's offer to provide services addressed in this response to the City of Margate's Request for Expressions of Interest.

### Official Corporate Contact:

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP  
President  
500 West Cypress Creek Road, Suite 630  
Fort Lauderdale, FL 33309  
954.730.0707 ext. 1002

### Alternate Contact:

Daniel Davila, P.E.  
Sr. Engineer/Fort Lauderdale Branch Manager  
500 West Cypress Creek Road, Suite 630  
Fort Lauderdale, FL 33309  
954.730.0707 ext. 1085

Respectfully

CHEN MOORE AND ASSOCIATES

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President

chenmoore.com



## 2. CHECK LIST (EXHIBIT A)

### EXHIBIT A

#### CONSULTANT CHECKLIST – MCRA RFQ 2021-02

##### NOTE:

- A) This Exhibit must be included in RFQ immediately after the cover letter.
- B) RFQ Package must be put together in order of this checklist.
- C) Any supplemental materials must appear after those listed below and tabbed "Additional RFQ Information".

- 1. ☒ Transmittal Letter
- 2. ☒ Copy of this Check List (Exhibit A)
- 3. ☒ Corporate History/Corporate Qualifications/Team Organizational Chart
- 4. ☒ Corporate Qualifications
- 5. ☒ Project Team: (Name, Title and years with firm only. **Do not include a resume here.** All resumes, if included, should be included under "Additional RFQ Information" tab.)
- 6. ☒ Personnel Assigned
- 7. ☒ Professional Registration
- 8. ☒ Project Management
- 9. ☒ Proof of Insurance
- 10. ☒ Offeror's Certification
- 11. ☒ SF 330 Forms
- 12. ☒ Scrutinized Companies Certificate
- 13. ☒ Offeror's Qualifications Statement
- 14. ☒ Drug-Free Workplace Form
- 15. ☒ Byrd Anti-Lobbying Certification
- 16. ☒ Statement of Compliance
- 17. ☒ Non-Collusive Affidavit

### 3. CORPORATE HISTORY/CORPORATE QUALIFICATIONS/TEAM ORGANIZATIONAL CHART

#### Description of The Firm



Fort Lauderdale



West Palm Beach



Sarasota



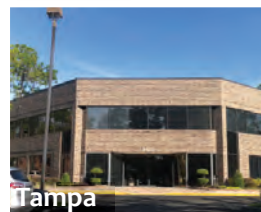
Orlando (Maitland)



Miami



Gainesville



Tampa



Jacksonville

Founded in 1986, Chen Moore and Associates (CMA) specializes in civil engineering, water resources, water and sewer, landscape architecture, transportation, planning, irrigation, environmental and construction engineering services. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients. The firm has its headquarters in Fort Lauderdale, FL. CMA has regional offices in Miami, West Palm Beach, and Orlando (Maitland). CMA has project offices in Gainesville, Tampa, Sarasota and Jacksonville.

At CMA, we best describe ourselves, our approach, and our priorities with these five words: Leadership, Excellence, Philanthropy, Community and Culture. CMA embraces the history and legacy of the firm set by Dr. Ben Chen, P.E. and is empowered by the vision set by its leadership team, led by President Peter M. Moore, P.E., F. ASCE, LEED AP, ENV SP. The firm continues to grow by striving for excellence in design, innovation, project management, and quality.

CMA continues to be focused on community through its commitment to philanthropy at all levels of the firm. Every office utilizes time and treasure to attend, contribute and lead in community and profession-related events throughout CMA's geographic reach. The CMA Family culture is about quality and excellence in our professional work, while contributing as a leader in our community in a fun working environment.

CMA employs 73 full time staff, including 17 registered professional engineers, 6 registered landscape architects, 2 certified planners and a Certified Irrigation Designer.

The work for this RFQ will be performed from our Fort Lauderdale office, just a short drive from the City of Margate:

500 W Cypress Creek Road, Suite 630

Fort Lauderdale, FL 33309

Telephone: +1 (954) 730-0707

Fax: +1 (954) 730-2030

The requested information for our subconsultants is included in the following page





## Subconsultants

CMA has included the following subconsultants to provide value added services and offer a full service consultant team to the City that can address any task presented.



**PanGeo Consultants, LLC** has over 13 years of experience in the field of geotechnical and structural engineering. PanGeo Consultants is a Fort Lauderdale based consulting firm founded by Paul C. Catledge, P.E. and Angelina López Catledge, BLA, M.S. with a commitment to providing responsive, innovative, and cost effective solutions. PanGeo Consultants specializes in the field of geotechnical engineering with a focus on the South Florida region. PanGeo will provide geotechnical engineering services for this contract.



**E Sciences** is an environmental, engineering and ecological consulting firm providing a wide range of services to clients in both the public and private sectors. E Sciences was formed in 2000, bringing together a team of professional and technical staff members with a long history of successfully executing projects throughout Florida and the Southeastern United States. E Sciences' fundamental philosophy is based on "responsiveness, expertise and creating value for their clients." E Sciences will provide environmental, wetlands and arboriculture services for this contract. E Sciences will provide environmental services for this project.



**Stoner and Associates, Inc.** was founded in September of 1988 by James D. Stoner, P.S.M. Their mission is to provide quality Land Surveying services, while utilizing the latest technology and techniques. Stoner & Associates, Inc. is a Professional Land Surveying Consultant providing services to numerous municipalities, including City of Fort Lauderdale, Broward County Aviation Department, South Florida Water Management District, Broward College, Town of Davie and City of Sunrise. Stoner and Associates will provide surveying services for this contract.



**Cartaya and Associates**, provides a comprehensive array of professional design-related services to governmental, institutional, and private clients. Since their inception in 1979, their experienced professionals have been involved in numerous projects including city halls, performing arts centers, municipal libraries, higher education and K-12 facilities, parking structures, parks, transportation hubs, warehouses, fire stations, water treatment facilities, hotels, commercial buildings, and private residences. They have a profound understanding of the needs that governmental, institutional, and private clients have. Cartaya has been involved in numerous projects including city halls, performing arts centers, municipal libraries, higher education and K-12 facilities, parking structures, parks, transportation hubs, warehouses, fire stations, water treatment facilities, hotels, commercial buildings, and private residences. Cartaya will provide architecture services for this contract.

## 4. CORPORATE QUALIFICATIONS

### Who We Are

The following describes the overall capabilities, background, and qualifications of the CMA Team members. CMA will bring our extensive experience in utility systems, water resources/stormwater, transportation systems, and construction administrative services for municipalities. These services also include our Geographic Information Systems (GIS) and sustainability experience.



### Utility Systems Services

The design of water and sewer utilities is a part of the foundational skillsets of CMA. As demonstrated by our performance as a design consultant throughout Florida, CMA is a consultant of choice for the modeling, analysis, and design of watermain, force main, gravity sewer, and lift stations. Our engineers have the experience to address the more important utility issues and work to recommend and prioritize phasing for potential improvements. CMA provides a range of services including:

- Watermain, Gravity Sewer, and Force Main Design and Permitting
- Odor Management
- Pump Station and Lift Station Rehabilitation, Design, and Permitting
- Pipe Lining and Rehabilitation
- Trenchless Technology Analysis
- Feasibility Studies and Master Planning
- GIS Analysis
- Water/Sewer Distribution/Collection/Transmission System Hydraulic Modeling
- Water Supply, Treatment, and Distribution
- Wastewater Collection, Transmission, Treatment, Re-use, and Disposal
- Reclaim/Re-use Treatment and Distribution
- Inspections and Testing
- Cost Estimating
- Government Agency Permitting and Coordination

CMA is also experienced in alternative utility installation methods to address some of the unique concerns the Margate CRA may have. Such methods include horizontal directional drilling, pipe bursting, swagelining, tremie lift station installation, and pipeline rehabilitation.

CMA's expertise in water distribution system hydraulic modeling includes the development of multiple scenarios to evaluate various conditions inherent to a potable water system such as average and maximum demand day, fire flow conditions, and water age. Hydraulic modeling evaluation includes analysis of resultant system pressures, head losses, and velocities to gain an understanding of existing and future conditions. The CMA Team will work closely with the Margate CRA staff to understand your needs and desired strategy of model parameters, such as database fields, queries, base map layout, model scenarios, and nomenclature of model elements. Whether it is improving the access for fire protection, designing the replacement of aging infrastructure, reviewing the potential for future demand through a portion of the City service area, or reviewing a segment of development on behalf of the Margate CRA, CMA can assist in each one of these design needs with years of experience and proven results. The CMA Team is also available to provide training to staff in the use of the model if desired.

CMA's experience with wastewater transmission system hydraulic modeling expertise includes the development of steady-state and extended period simulation scenarios for systems with multiple wastewater pump stations. CMA has extensively worked on developing flow patterns that are applied to simulated wastewater conditions for many municipalities and utilities. The development of these scenarios includes hydraulic model constraints such as pump operational characteristics and wetwell physical features. Assessment of the hydraulic model results include evaluation of system pressures, flows, and



velocities developed within the system. CMA is prepared to utilize what existing wastewater model information is available, in concert with our own assessments and data gathered, to evaluate impacts of proposed improvements and developments, input of recently built projects, and other requests by the Margate CRA.



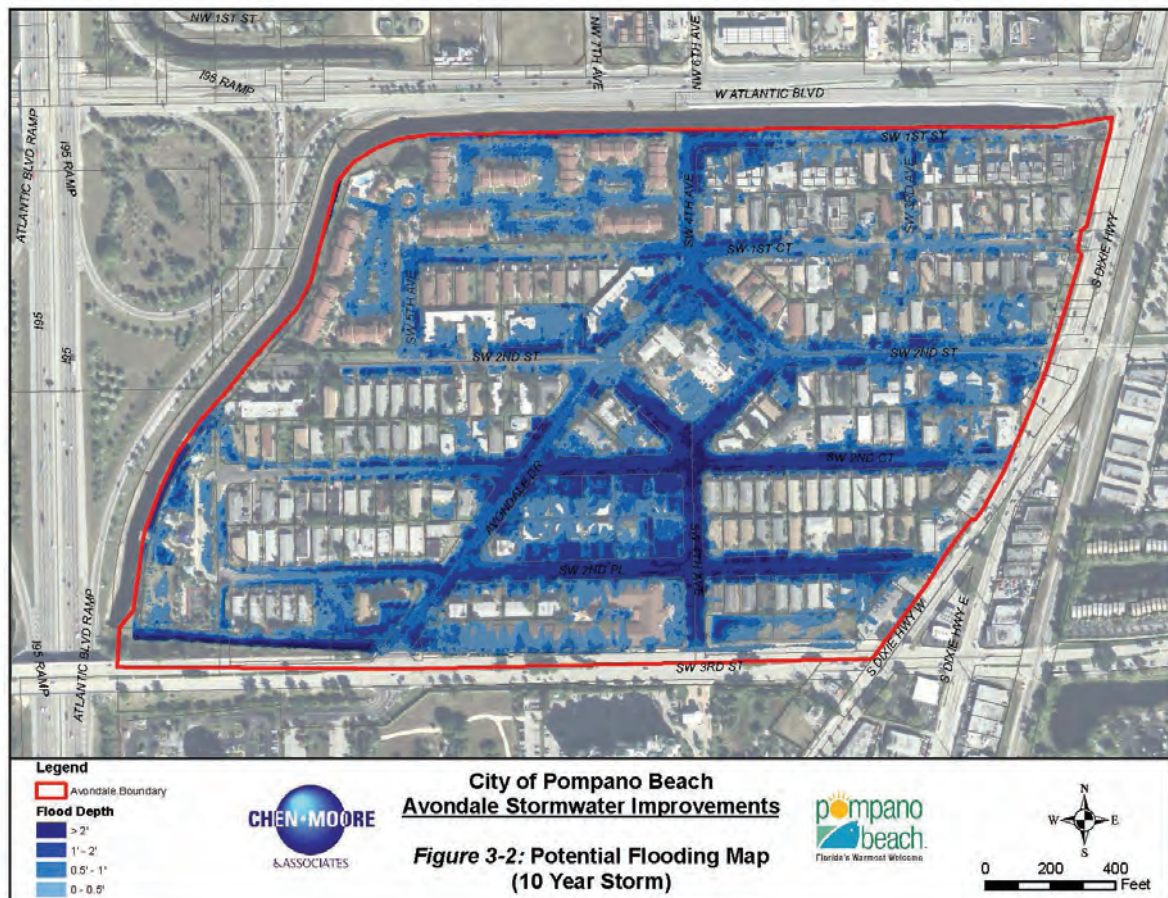
The CMA Team also has extensive experience in the evaluation and replacement of existing force main pipes. These projects can be evaluated both in the field and in the hydraulic model system. Any necessary replacement or new pipe installation will require a thorough route study and the site conditions need to be investigated further to ensure the feasibility. The involvement of the Margate CRA in these projects will be critical to identify alternative routes, obtaining easements for both the pipeline and installation equipment, and conversations with regulatory agencies. In addition, CMA has experience with multiple projects involving both subaqueous and above ground utility crossings. For example, the CMA Team completed a project which included crossing the Intracoastal Waterway and one crossing the SFWMD C-14 Canal. CMA is familiar with the most recent permit conditions for this type of work. CMA also has extensive directional drill experience, including pipeline installation within City, County, and FDOT right-of-ways (ROW). In addition, the CMA Team has experience working with aerial crossings which include assessment of existing conditions and status of utilities; recommendations of project scope to improve conditions; aerial crossing design, including rehabilitation or replacement; and development of bid documents.

Our engineers have the experience to address the more important utility issues and work to recommend and prioritize phasing for potential improvements. Over the last 10 years, CMA has designed, permitted, and assisted with the construction of over 500 miles of pressure pipe; over 100 miles of gravity sewer; over 250 pump stations; large diameter pipe in FDOT ROW (24" to 72"); over 60 directional drills including highways, roadways, and waterways; and over 8 miles of pressure pipe over 16" diameter. Installation methods included the traditional open cut method, as well as a variety of trenchless technologies, one of CMA's niche services.

### **Water Resources/Stormwater Services**

The CMA Team offers complete breadth of water resources services. Our team of engineers can offer the Margate CRA both traditional civil engineering support and an entire range of planning, modeling, and GIS support for your drainage and stormwater projects. CMA's experience ranges from regional stormwater master planning and hydraulic and hydrologic modeling to project-level neighborhood and site-specific detailed design of stormwater improvements. Our experience encompasses all phases of project development, including conceptual planning, stormwater modeling, detailed design and analysis, government agency permitting, and project construction. We provide a range of services including:

- Design and Construction of Stormwater Infrastructure Improvements
- Exfiltration Trench Design
- Stormwater Pump Station Design
- Culvert/Pipe Sizing
- Drainage Well Design
- Outfall Modification Design
- Water Quality/Water Quantity Analysis and Design
- Detailed Computer Modeling (ICPR, SWMM, StormCAD, Cascade)
- Stormwater Master Planning
- NPDES Permitting
- Regulatory Agency Compliance, Permitting, and Coordination
- Best Management Practices and MS4 Permitting
- GIS Analysis and Mapping
- Floodplain Encroachment Analysis
- Watershed Assessments
- Cut/Fill Analysis
- Emergency Utility Repairs
- Identification of Grants and Other Funding Resources
- Floodplain Assessment and Management Plans
- Public Outreach and Education
- Cost Estimating



The City is vulnerable to numerous stormwater issues (impacts to hydrological features, sea level rising, recharging the aquifer, protection of natural resources, changing regulations, etc.) and CMA fully understands what critical assets are on the line and the high level of expected service. CMA is prepared to provide a complete stormwater team that is well versed in these issues and can plan infrastructure improvements that will incorporate the future needs of the City.

The CMA Team has served both private and public clients, and CMA is also the current consultant for the South Florida Water Management District. Our projects experience varies from the design of a minor canal bank stabilization to pump stations designs. To date CMA has installed/rehabilitated a combined total of



over 100 miles of stormwater pipe that we designed, permitted, and constructed.

The CMA Team and the City can discuss a range of alternatives available to meet the Margate CRA's specific goals within any restraints the CRA may have, in order to develop the most efficient and cost-effective solution.

## Landscape Architecture (LA) and Planning Services



CMA's LA and planning team provides creative solutions for a diverse clientele. The team is currently working on healthcare, private development, and government projects. CMA is known and respected for our thorough understanding of site and permitting constraints prior to commencing a project. We are highly responsive and provide out-of-the-box solutions to our clients' needs.

CMA has designed and permitted a variety of parks and recreation facilities throughout Florida including natural resource-based parks, regional parks, waterfront parks, urban parks, neighborhood parks, greenways and trails, sports fields, equestrian facilities, golf courses, aquatic facilities, boating facilities, and playgrounds. The LA staff at CMA is experienced in the design of landscape improvements in existing neighborhoods, mitigation of existing landscape during construction of other improvements, as well as design of new public spaces. The following are some examples of our LA capabilities:

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

Our Team regularly participates in opportunities for continuing education and visits with vendors to stay current with legislation, design trends, and materials to provide the best quality designs to our clients.

Current projects include a hospital campus expansion, the renovation of a luxury condominium's roof-level outdoor amenities, a municipal golf course, and streetscape design for municipal governments. CMA will develop an understanding of the Margate CRA's ability to maintain and operate proposed facilities and carefully master plan and program parks and recreation facilities for long-term growth and efficiencies. We will also anticipate future expansion needs in current capital improvement projects.

## Transportation Systems Services



CMA understands that successful urban environments are composed of a number of elements that must be seamlessly integrated. The CMA Team has extensive experience in the design of improvements to existing roadways. CMA understands that successful urban environments are composed of several appropriate transportation elements, such as public roadways, bicycle pathways, transit, pedestrian facilities, and vehicular parking facilities that must be seamlessly integrated. Development must be pedestrian friendly and encourage street level activity. Vehicular circulation must be carefully orchestrated to calm traffic and provide a variety of discrete parking solutions that maintain the urban fabric and promote density. Historic structures must also be preserved, and civic spaces revived. Identity and clarity should be enhanced with streetscape improvements, attractive landscaping, and wayfinding systems.

Great neighborhoods, and by extension, great cities, are remembered for their streets rather than their buildings. CMA integrates this philosophy into our traffic and transportation engineering and streetscape design. Great streets form the glue that holds a successful community together. Our philosophy of community and street design involves organizing a hierarchy of streets to respond to the varying urban use and density conditions and establishing appropriate standards for each street type. CMA's Team has the appropriate experience and qualifications to complete the following tasks related to the traffic, transportation, and streetscape design services on behalf of the Margate CRA:

- Streets and Highway Design
- Traffic Signal Design and Analysis
- Street Lighting Design
- Master Planning
- Geometric Intersection Design
- Conceptual Design and Alternatives Analysis
- Land Use Plan Amendments
- Traffic Calming Design
- Circulation and Roundabout Design
- Corridor Planning
- Streetscape Design
- Hardscape Design



- Maintenance of Traffic (MOT) Design
- Pedestrian and Bicycle Pathway Design
- Operational and Safety Studies
- Cost Estimating
- Coordination with Various Departments/ Divisions (i.e., Fire/Police/Emergency Management Services, etc.)

### **Construction Administrative Services**

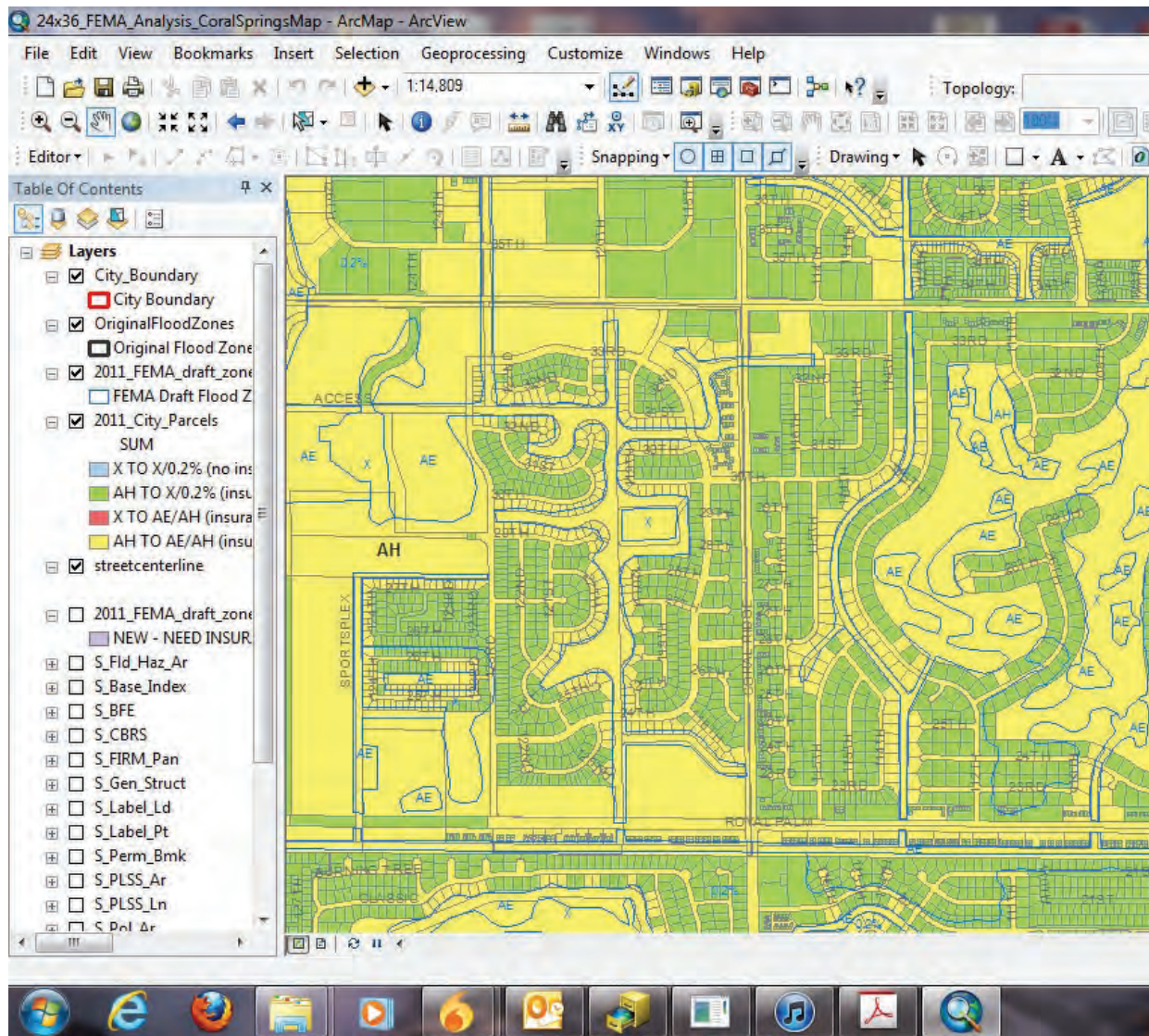
The Engineering Construction and Inspection Department at CMA consists of highly experienced professionals backed by years of experience and the latest technology and are prepared to accommodate all special conditions of the Margate CRA. They assist the engineers in many aspects of the project including:



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



## GIS Services



CMA has been on the cutting edge of GIS/engineering integration for over 13 years. Our GIS and Visual Modeling team offers custom cartography, spatial analysis, and database management services for all stages of project development. Our specialized geographic services and geospatial solutions help clients plan their projects in greater detail, optimize efficiency and cost-savings, and decrease impacts on landscapes. The CMA Team also uses the most current software, including ESRI Arc GIS, ArcSDE, Visual Nature Studio, Sketchup, Adobe Illustrator, and New Century Alignment Sheet tools, to process and present cutting edge mapping that simplifies complex data and transforms it into useful, approachable visual information for a broad range of audiences.

All our engineers are trained and well versed in GIS which is uncommon in most engineering firms. This is a powerful advantage over traditional firms that house engineering and GIS in different departments because the CMA Team understands the desired output and apply GIS tools to achieve it. The CMA Team routinely uses GIS data, analysis, and procedures for engineering planning studies, design, permitting, and construction administration. As such, the CMA Team has developed in-house scripts and procedures that enable us to gather and process GIS data efficiently.

For existing facilities, we develop GIS data in many ways. Where available, data can be converted from CAD as-built drawings, digitized from paper maps, or derived from tabular information. For high spatial accuracy and to fill data gaps, fieldwork has included terrestrial and bathymetric surveys, LIDAR data collection, and the use of Unmanned Aerial Vehicles (UAV). Once feature locations are mapped, asset management, and condition assessment surveys are performed in the field. The GIS data will be gathered and analyzed for each project at inception. After this step is completed, this data can be used throughout the design,



permitting, and construction phases of the project. Exhibits created in GIS have proven to be an effective method of communicating with the client, public, regulatory agencies, and contractors. The GIS data used to track construction will be shared with the Margate CRA at project completion to integrate into their database at its discretion.

Our Team commonly uses GIS in support of environmental condition assessments, transportation, utilities, security, document management, and facility optimization, as well as GIS models for Hydrology, Utility Networks, Asset Management and Risk Assessments, and Coastal Erosion. Three-dimensional (3D) modeling of facilities is also used for visualizing existing and proposed plans.

CMA is also a leader in the implementation of GIS Online. GIS Online and GIS exhibits provide the Margate CRA with a communication tool during field investigation, design, and construction that can be used for outreach to City officials/staff, residents, and other stakeholders. We can also provide training in both GIS and GIS Online applications to City staff as requested.

Furthermore, our staff is passionate about sharing ideas and innovations with the Esri GIS community. Our agreement with Esri includes credits we use to train our staff on the latest Esri platform innovations.

## **Sustainability**

CMA understands the importance of providing sustainable engineering solutions to our client's needs. As such, the CMA Team is committed to providing innovative designs with emphasis on value and durability that are environmentally conscious. CMA prides itself on engineering and LA designs that fulfill the project's goals yet exist in harmony with its surroundings to enhance the performance and aesthetics for many years.

CMA has been involved in over \$350M in construction projects involving LEED/Green Globes Certified Projects. CMA is involved with both the Institute for Sustainable Infrastructure and Envision Sustainability Professional (ENV SP) with ASCE – Sustainable Design Concepts involving Sea Level Rise, both nationally and locally. CMA also incorporates the standards of the Lean Construction Institute (LEAN). LEAN is efficient systems where the clear priority is cost-effective with pragmatic/ practical solutions. CMA utilized LEAN-related concepts with scheduling and implementing project decisions while at the same time promoting sustainable design, considering cost considerations and practical design.

CMA will work closely with the Margate CRA staff and stakeholders alike to ensure sustainable design is at the forefront of all design decisions.







## **The Chen Moore Advantage**

CMA prides itself as an engineering firm that looks beyond the technical aspects to consider every facet of the community we are serving. We improve communities not just through continuing services contracts, but also through our social involvements in communities, whenever possible. We have been undertaking this community support for every one of our over 80 continuing service contracts and can easily do this for the Margate through our Fort Lauderdale office. CMA also brings to the Margate CRA our scalable statewide work experience and lessons learned to meet the needs of the CRA. In addition, each member of the CMA Team is committed to providing the CRA with responsive professional services.





## Awards

	<p><b>"Business of the Year"</b> South Florida Business Journal 2020</p> <p>Ranked number one in the \$3 million - \$24 million category. The program honors companies that set the standard for growth, service, quality, innovation and execution of a superb business strategy.</p>
	<p>2020 Zweig Group Best Firms to Work For Award &amp; Hot Firm List</p> <p>Ranked number 24 in the multidiscipline category. The award recognizes the top firms leading the way in creating a workplace that inspires, motivates and rewards employees. Ranked number 62 in the Hot Firms List. The list recognizes the 100 fastest-growing engineering, architecture, planning and environmental consulting firms in the U.S. and Canada. These are the firms that have outperformed the economy and competitors to become leaders in their chosen fields.</p>
	<p><b>"Best of Places to Work South Florida"</b> South Florida Business Journal 2020</p> <p>The awards recognize companies deemed by their employees to be the Best Places to Work in South Florida. CMA ranked 8th in the medium-sized business category.</p>
	<p>2020 South Florida Business Journal Top 25 Engineering Firms List</p> <p>Ranked number 19. The list includes 25 engineering firms located in Miami-Dade, Broward and Palm Beach counties ranked in order by number of licensed engineers.</p>
	<p>2019 "Go Big, Go Fast Infrastructure Improvement Program- 30" Force Main Repair" Awards</p> <p>CMA was awarded the 2019 ASCE Broward Branch Project of the Year and the Engineering Excellence Honor Award from The American Council of Engineering Companies of Florida (ACEC-FL) for the Fort Lauderdale FM Rehab, HDD &amp; Swageline (1-4) project.</p>
	<p>2019 Zweig White Hot Firm List</p> <p>Ranked number 70. The list recognizes the 100 fastest-growing engineering, architecture, planning and environmental consulting firms in the U.S. and Canada. These are the firms that have outperformed the economy and competitors to become leaders in their chosen fields.</p>

	<p>2019 Zweig Group Best Firms To Work For Award</p> <p>Ranked number 38 in the multidiscipline category. The award recognizes the top firms leading the way in creating a workplace that inspires, motivates and rewards employees.</p>
	<p>"Best of Places to Work South Florida" South Florida Business Journal 2020</p> <p>The awards recognize companies deemed by their employees to be the Best Places to Work in South Florida. CMA ranked 11th in the medium-sized business category</p>
	<p>2019 South Florida Business Journal Top 25 Engineering Firms List</p> <p>Ranked number 18. The list includes 25 engineering firms located in Miami-Dade, Broward and Palm Beach counties ranked in order by number of licensed engineers.</p>
	<p>2018 Miami Beach Sunset Islands 3 &amp; 4 ROW Improvement Program</p> <p>CMA was awarded the Project of the Year by the Cuban-American Association of Cuban Engineers and was awarded the Project of the Year award by the ASCE for the Miami Beach Sunset Islands 3 &amp; 4 ROW Improvement Program project.</p>
	<p>2018 Zweig Group Marketing Excellence Awards</p> <p>Ranked number 5 in the external communications category and number 5 in the social media category. The award recognizes the top firms outstanding and effective marketing in the industry.</p>
	<p>2018 Zweig White Hot Firm List</p> <p>Ranked number 88. The list recognizes the 100 fastest-growing engineering, architecture, planning and environmental consulting firms in the U.S. and Canada. These are the firms that have outperformed the economy and competitors to become leaders in their chosen fields.</p>
	<p>2018 Zweig Group Best Firms to Work For Award</p> <p>Ranked number 26 in the multidiscipline category. The award recognizes the top firms leading the way in creating a workplace that inspires, motivates and rewards employees.</p>



	<p>"Best of Places to Work South Florida" South Florida Business Journal 2018</p> <p>The awards recognize companies deemed by their employees to be the Best Places to Work in South Florida. CMA ranked 9th in the medium-sized business category</p>
	<p>2018 South Florida Business Journal Top 25 Engineering Firms List</p> <p>Ranked number 22. The list includes 25 engineering firms located in Miami-Dade, Broward and Palm Beach counties ranked in order by number of licensed engineers.</p>
	<p>2017 Zweig Group Best Firms to Work For Award</p> <p>Ranked number 5 in the landscape architecture category and 32 in the multidiscipline category. The award recognizes the top firms leading the way in creating a workplace that inspires, motivates and rewards employees.</p>
	<p>2017 South Florida Business Journal Top 25 Engineering Firms List</p> <p>Ranked number 19. The list includes 25 engineering firms located in Miami-Dade, Broward and Palm Beach counties ranked in order by number of licensed engineers.</p>
	<p>2016 Zweig Group Fast Growth Award</p> <p>The award is presented to firms who achieved growth of 20% or more in a year. The Fast Growth Award gives CMA the distinction of outpacing our industry significantly with high growth.</p>
	<p>2016 Zweig Group Best Firms to Work For Award</p> <p>Ranked number 32 in the multidiscipline category. The award recognizes the top firms leading the way in creating a workplace that inspires, motivates and rewards employees.</p>
	<p>2016 South Florida Business Journal Top 25 Engineering Firms List</p> <p>Ranked number 15. The list includes 25 engineering firms located in Miami-Dade, Broward and Palm Beach counties ranked in order by number of licensed engineers.</p>

## Project Experience In Past Five Years

### City Center Right-of-Way and Utility Improvement Project Miami Beach, Florida

#### **Completion Date**

2016

#### **Fee**

3,611,340.00

#### **Cost**

\$21.2 million

#### **Client**

City of Miami Beach  
Maria Hernandez, RA  
1700 Convention Center Drive  
Miami Beach, FL 33139  
(305) 673-7071



CMA was 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.

As part of the proposed stormwater and drainage services, extensive analysis was conducted utilizing ICPR Modeling and GIS to meet or exceed required stormwater Level of Services standards. ICPR Modeling was utilized for the design and permitting of 14 drainage gravity wells. 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 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.





## Doral Glades Park Doral, Florida

### **Completion Date**

2017

### **Fee**

\$122,820

### **Client**

CPZ Architects Inc  
Chris Zimmerman, AIA  
4316 West Broward Blvd  
Plantation, FL 33317  
(954) 792-8525



Chen Moore and Associates provided site planning and landscape architecture for the design of a 24 Acre district park. The park serves a new residential community in the northwestern section of the city. The park carries a nature theme celebrating the flora and fauna of the Everglades. Divided into four themed areas, the park celebrates mammals, birds, insects, and reptiles & Amphibians of the Everglades. The site includes a 12 Acre lake with a kayak launch, recreational trail, and fishing pier extending into the lake. The parks program includes the following elements:

- Themed Playground (2-5 & 5-12 Age Groups)
- Tennis/Pickle Ball Courts
- Basketball Courts
- Sand Volleyball Courts
- Multi-Use Fields
- Fitness Trail
- Recreational Trail
- Picnic Pavilions
- Amphitheater
- Outdoor Plazas
- Kayak Rentals
- Community Center
- Restrooms
- Parking
- Sports Lighting

CMA served as a subconsultant to CPZ Architects and provided design (landscape, hardscape, irrigation, and lighting), permitting, and construction administration services for the Project. The site was designed to meet Green Globes criteria and includes extensive use of native plant materials and high efficiency irrigation.

## **Miramar-Shirley Branca Amphitheater** **Miramar, Florida**

### **Completion Date**

2018

### **Fee**

\$15,000

### **Client**

CPZ Architects Inc  
Chris Zimmerman, AIA  
4316 West Broward Blvd  
Plantation, FL 33317  
(954) 792-8525

CMA is providing landscape architecture and civil engineering services including design, permitting, and construction administration for a 2,500 person capacity amphitheater as a subconsultant to CPZ Architects. The amphitheater is located in Miramar, Florida. The scope of design services performed by CMA includes construction documentation for the demolition of existing retaining walls; regrading of existing berms; redesign of pathways and sidewalks; and new landscape, site furnishings; and modified irrigation to the overall park site which also included splash pads.





## **Brightline/Virgin Trains Station and Transit Oriented Developments, Fort Lauderdale and West Palm Beach, FL**

### **Completion Date**

2017

### **Fee**

\$55,000

### **Client**

Moss and Associates

Brett Porak

2101 N Andrews Ave Ste 300

Fort Lauderdale, FL 33311

(954) 524-5678

CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station in Fort Lauderdale, Florida. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station.

The civil engineering services CMA was responsible for include utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. The landscape architecture work CMA was responsible for includes plans for tree disposition, landscape, and irrigation; and construction administration.



## Avondale Stormwater Improvements Pompano Beach, Florida

### **Completion Date**

2019

### **Fee**

\$285,025

### **Client**

City of Pompano Beach

Mike Taylor

1201 NE 5th Ave.

Pompano Beach, FL 33060

(954) 786-4061







The primary purpose of the Avondale Stormwater Improvement Project is to reduce the flooding depth and duration within the neighborhood during significant storm events. Based on our analysis of the various system improvement alternatives during the Stormwater Master Plan, the implementation of a stormwater pumping system into the SFWMD G16 Canal would be the most effective option for reducing the peak flood stage and reducing the flood duration within the Avondale Neighborhood by increasing the discharge rate via the existing outfalls when the canal levels are elevated. Stormwater improvements within the Avondale neighborhood will encounter limitations due to the regulatory requirements on the stormwater discharges via the system outfalls. Since this neighborhood discharges into the SFWMD G-16 Canal, which is currently listed as an impaired water body by the Florida Department of Environmental Protection, the level of water quality improvements is critical to enable the potential implementation of a new stormwater improvements within the Avondale neighborhood.



CMA completed a Preliminary Design Report for the Avondale neighborhood to assess the feasibility, the regulatory permit restrictions, the cost impacts, and the flood reduction effectiveness of each potential improvement alternative within the neighborhood. CMA prepared a Preliminary Design Report which outlined the impacts of the potential stormwater improvement alternatives and presents the recommended stormwater improvements within the Avondale neighborhood. Within the Stormwater Master Plan, the recommended stormwater improvements for the Avondale neighborhood include the construction of a new stormwater pump station, which pumps into potential dry retention area(s) throughout the study area before overflowing into the SFWMD G16 Canal along with local stormwater improvements throughout the public right-of-way areas in the neighborhood. The Preliminary Design Report includes a feasibility assessment of various potential system improvement alternatives.



All individuals on our project team are committed to providing the CRA with a well planned, designed and constructed project. CMA recognizes the City of Margate CRA as an important and dynamic client. We want to develop a solid relationship and become the CRA's "Trusted Advisor" for your projects. In order to attain our goal, we must be committed on each and every City project that we are given the opportunity to work on. Thus, the assembled project team is motivated to execute this project efficiently and effectively.

	<b>Daniel Davila, P.E. (Project Manager)</b> has experience on numerous private and public clients that range from residential developers, industrial developers, municipalities, federal agencies, hospitals, universities, and educational institutions. His experience includes planning and design of stormwater systems, water and wastewater facilities, facilities planning, utilities master planning, infrastructure renewal, roadway design, and construction management. He has been the contract manager for small projects as well as large complex projects managing millions of dollars in design fees and several subconsultants.
	<b>Peter Moore, P.E., F.ASCE, ENV SP, LEED AP (Principal-in-Charge)</b> 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.
	<b>Cristobal Betancourt, RLA, AICP (Deputy Project Manager)</b> is CMA's Director of LA and Planning. He has over 25 years of experience providing planning and LA 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.
	<b>Jose Acosta, P.E., F.ASCE (QA/QC)</b> has over 22 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.
	<b>Suzanne Dombrowski, P.E., ENV SP (Civil Engineering)</b> is a senior engineer and Branch Manager with CMA. She holds a bachelor's degree in civil engineering and a master's degree in engineering with a specialization in civil engineering from the University of Florida. Ms. Dombrowski has managed a wide range of municipal utility, drainage, and roadway projects from the planning stages throughout construction. She also designs the site civil improvements for both public and municipal facilities. Throughout her career, Ms. Dombrowski has developed relationships with the local regulatory agencies, municipalities, special districts and contractors that facilitate the design, permitting and construction of her projects.



**Patrick Kaimrajh, P.E. (Civil Engineering)** serves as a senior engineer for CMA and specializes in leading and managing civil engineering design, drafting, permitting, and construction inspection. His 12 years of design experience includes site development and neighborhood improvement, paving, drainage and stormwater management, sanitary sewer and stormwater pump stations, and water main projects. He has prepared engineering, drawings, cost evaluations, design reports and various permit applications. In addition, Mr. Kaimrajh has performed construction inspections for drainage, water main, sanitary sewer, and pavement.



**Jason McClair, P.E., CFM, LEED AP (Stormwater Engineering)** is a senior civil engineer with more than 24 years of experience in utility infrastructure design, regulatory permitting, geotechnical engineering, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. He was the project manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan.



**Jennifer Smith, P.E. (Stormwater Engineering)** has over 14 years of engineering experience on public infrastructure projects throughout Broward County, including on various projects in the City of Pompano Beach. Her project experience includes the Pompano Beach Stormwater Master Plan, various drainage projects in Pompano Beach and Coral Springs, and multiple Broward County UAZ Water and Sewer Improvements projects.



**Eric Harrison, RLA (Parks Design)** has over 17 years of landscape architecture experience with several municipalities throughout South Florida including the City of Pompano Beach. He has provided design services for parks and recreation, university campuses, K-12 education, corporate office, commercial developments and healthcare facilities. Mr. Harrison has a large portfolio of parks and recreation projects throughout South Florida including passive parks, sports fields, linear parks and parks master plans. Mr. Harrison's streetscaping experience includes Downtown Coral Springs Streetscaping; Old Pompano Area Improvements; South Pointe Phase III/IV/V - Right-of-Way Improvement Project in Miami Beach; Aviation Blvd Roadway & Hardscape Improvements in Marathon; the Wiles Road project in Coral Springs; and Coconut Creek Parkway in Margate.



**Stefan Bortak, RLA, ASIC, CID (Streetscape Design)** is a certified irrigation designer - commercial for Chen Moore and Associates. He has over 15 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.

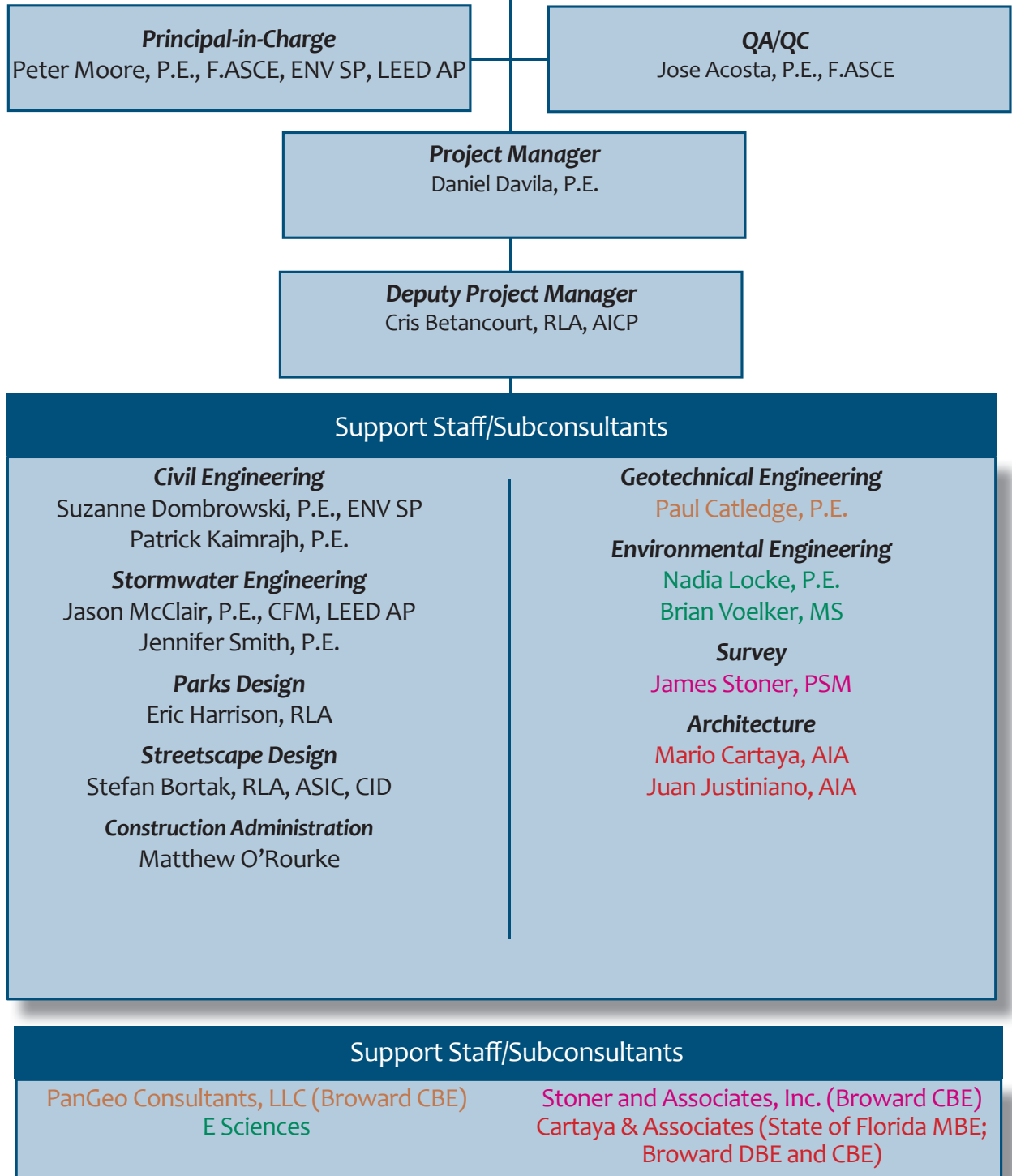


**Matthew O'Rourke (Construction Administration)** is a senior construction specialist with CMA. His experience includes supervising and inspecting construction projects involving water and wastewater systems, stormwater drainage systems, and roadways. He also has performed laboratory testing of construction materials. He maintains numerous certifications in construction field inspection, sampling, testing, and quality control management.








## 5. PROJECT TEAM

Please refer to Section 4 (page 4-13) 'Corporate Qualifications' for information regarding our project team qualifications for CMA. Detailed information for our entire team can be found in our 330 forms located in Section 11 'Standard Form 330. As requested, our organizational chart reflecting our entire team is located on the following page.

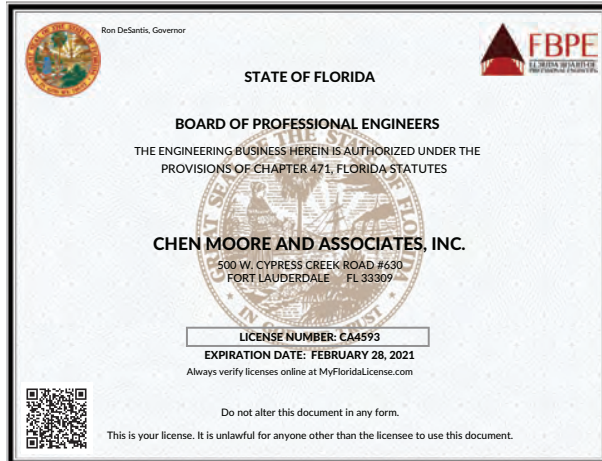




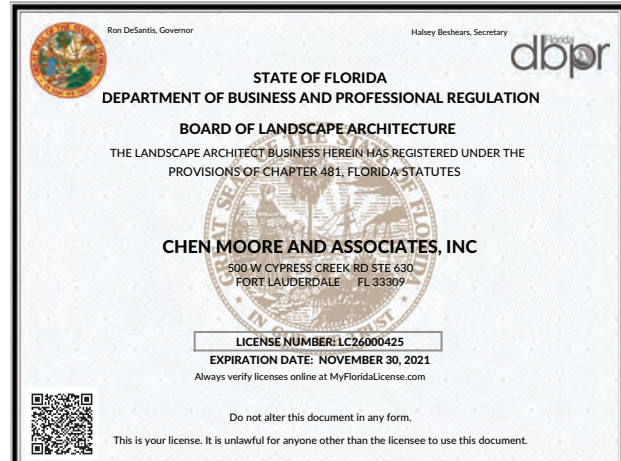
## 6. PERSONNEL ASSIGNED

	<p><b>Paul Catledge, P.E. (Geotechnical Engineering/PanGeo Consultants, LLC)</b> is a graduate of Louisiana State University with a B.S. in Civil Engineering, with over 16 years of engineering experience including geotechnical analysis, design and inspection of deep and shallow foundation systems, and structural design. Mr. Catledge also has 11 years of experience overseeing and performing construction materials testing and structural inspections. He is registered in multiple states including Florida, New York, Indiana, Texas, Kentucky, Michigan and Louisiana. He is a member of ASCE and a past President of the Broward Chapter of the Florida Engineering Society.</p>
	<p><b>Nadia Locke, P.E., LEED AP (Environmental Engineering/E Sciences)</b> has been providing professional environmental and engineering consulting services for over 30 years. During her career, she has worked in many facets of environmental consulting including environmental audits, site assessment and remediation, stormwater design, sanitary sewer planning, environmental permitting, climate change impact evaluation, grant assistance, wetland mitigation design, Brownfields, community involvement, and training. Ms. Locke has provided litigation support for the FDOT, Miami-Dade Aviation Department, Barry University and private entities. She also serves as E Sciences' Corporate Quality Assurance Officer</p>
	<p><b>Brian Voelker, MS (Environmental Engineering/E Sciences)</b> is a project scientist with over 20 years of experience specializing in natural resource assessments and permitting, as well certified arborist services. He provides numerous ecological services to clients, including the following: wetland delineation, function evaluation, mitigation design, monitoring, and permitting; upland habitat assessments; coastal habitat assessments and permitting; marine and estuarine habitat assessments and permitting; protected wildlife assessments and permitting; GPS data collection/mapping and GIS database development; NEPA document preparation and oversight; sediment and erosion control monitoring</p>
	<p><b>James Stoner, PSM (Surveying/Stoner and Associates, Inc.)</b> has over 40 years of surveying experience in South Florida. He began his surveying career at Williams, Hatfield, &amp; Stoner, Inc. working from the bottom as a Rodman, all the way up to Vice President of the Surveying Department. Mr. Stoner founded Stoner &amp; Associates, Inc. in 1988, based on the philosophy that attention to detail and quality work would create a successful firm. He manages all aspects of the firm's growth and development. Mr. Stoner has supervised both small and large scale surveying projects. His firm has successfully completed numerous roadway and other various projects, while working directly with the clients and consultants.</p>
	<p><b>Mario Cartaya, AIA (Architecture/Cartaya &amp; Associates)</b> is the Founder and CEO of Cartaya and has been the Principal Architect and Designer for all of the firms projects. His work has been recognized in several magazine and newspaper articles and covers. He has received numerous local and national awards including 8 municipal proclamations and 2 national American Institute of Architects awards as well a Congressional Record recognition read in the U.S. House of Representatives honoring Mario's as well as Cartaya and Associates' legacy in the United States. He served 8 years as a member and chair of the Broward College Board of Trustees, 16 years on Senator Bob Graham's Air Force and Naval Academy Selection Committees, and 4 years on the Broward County Cultural Arts Council. Mr. Cartaya was, furthermore, an Adjunct Professor at the School of Architecture, Florida Atlantic University from 1995 to 2007.</p>
	<p><b>Juan Justiniano, AIA (Architecture/Cartaya &amp; Associates)</b> has been as Project Architect and Project Manager with Cartaya for the last 20 years and has embodied the pursuit of excellence within the firm. He has centered all his efforts to ensure excellence and quality within all phases of design, production of construction documents and construction administration.</p>

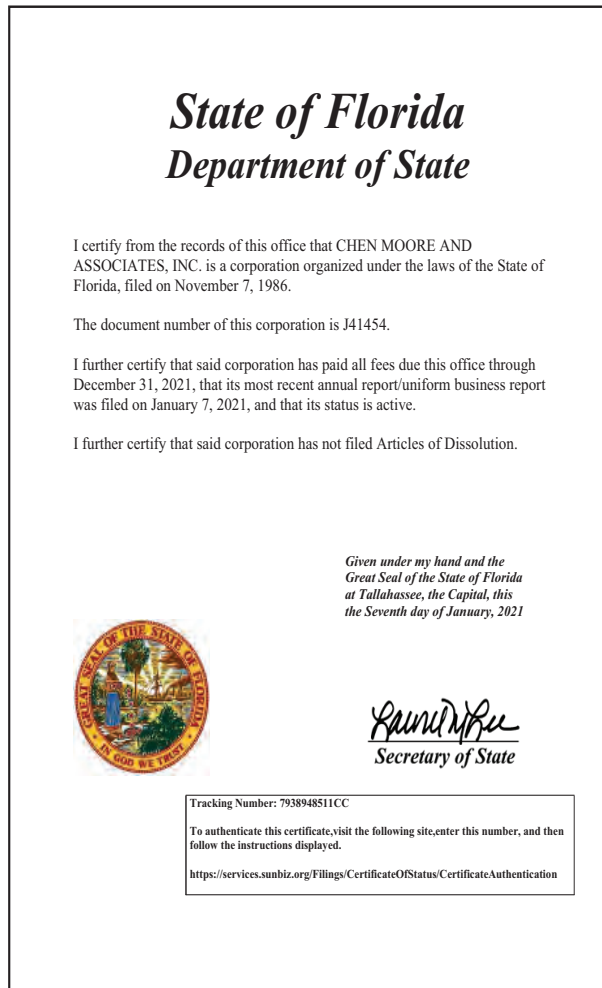
## 7. PROFESSIONAL REGISTRATION



State of FL Professional Engineers License



State of FL Professional Landscape Architecture License



State of FL Secretary of State Certificate of Corporation



Peter Moore, President  
CHEN MOORE AND ASSOCIATES, INC.  
500 West Cypress Creek Road, Suite 630  
Fort Lauderdale, Florida 33309

Dear Mr. Moore:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
  - 3.2 - Major Highway Design
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization
  - 7.2 - Lighting
- Group 13 - Planning
  - 13.6 - Land Planning/Engineering
- Group 15 - Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

Approved Rates				
Home/Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
173.18%	0.465%	Reimbursed	No	2.93%

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Safety, Mobility, Innovation  
[www.fdot.gov](http://www.fdot.gov)

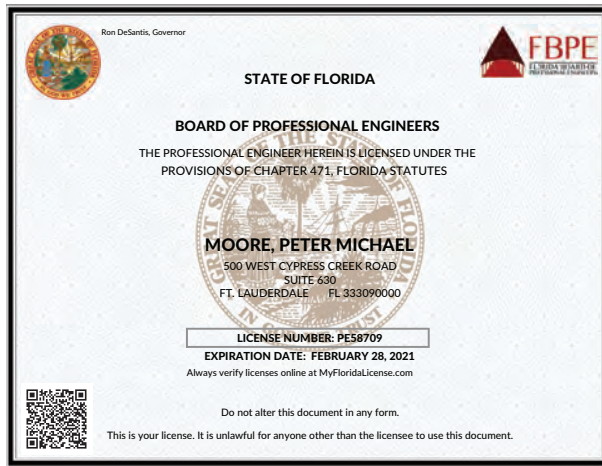
Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

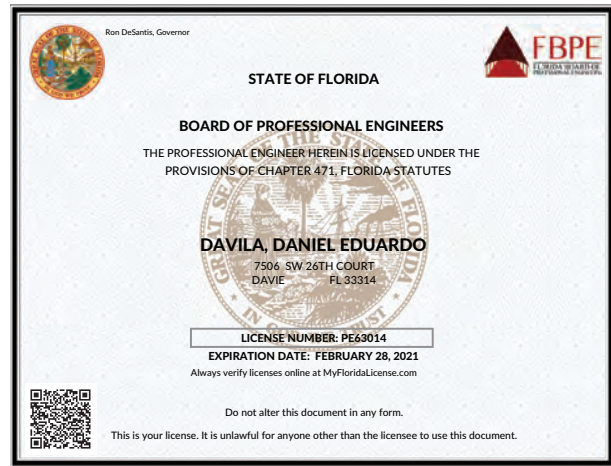
Carliayn Kell  
Professional Services  
Qualification Administrator

FDOT Unlimited Notice of Qualifications





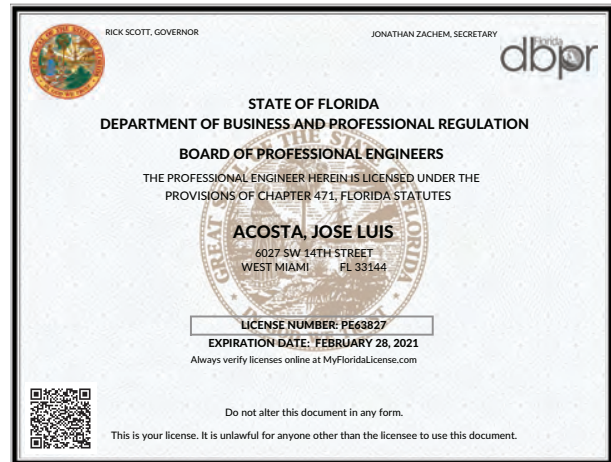
**Peter Moore, P.E., F.ASCE, ENV SP, LEED AP**



**Daniel Davila, P.E.**



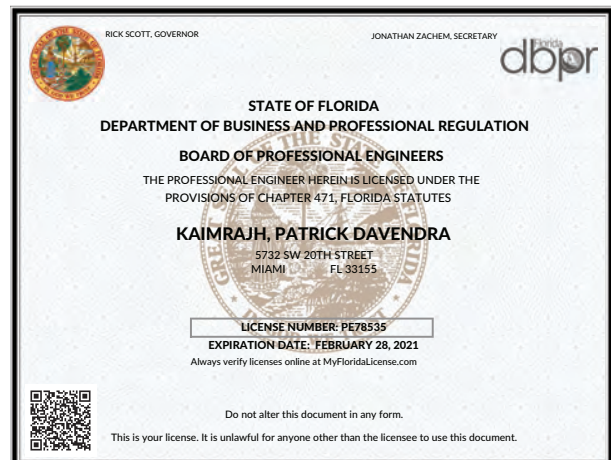
**Cristobal A. Betancourt, AICP**



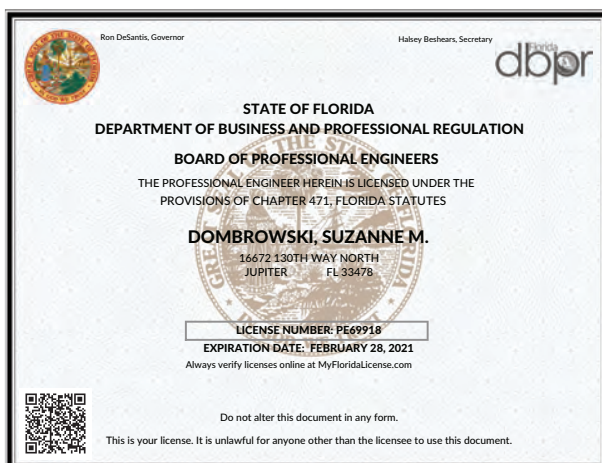
**Jose L. Acosta, P.E., F.ASCE**



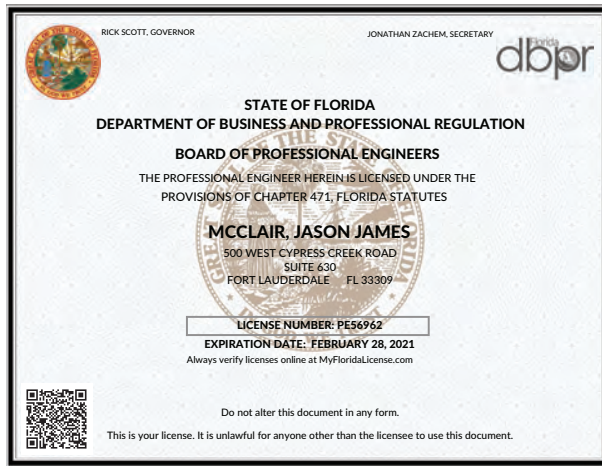
**Cristobal Betancourt, RLA, AICP**



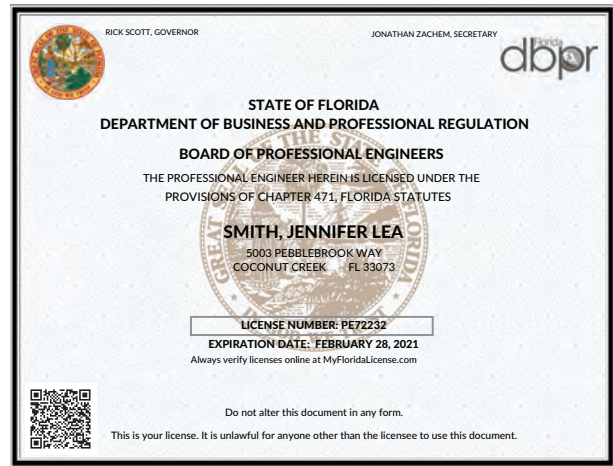
**Patrick Kaimrajh, P.E.**



**Suzanne Dombrowski, P.E., ENV SP**



**Jason McClair, P.E., CFM, LEED AP**



**Jennifer Smith, P.E.**



**Eric Harrison, RLA**



**Stefan Bortak, RLA, CID**



# PanGeo Consultants, LLC (CBE)

**ACORD** **CERTIFICATE OF LIABILITY INSURANCE** DATE (MM/DD/YYYY) 01/05/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURERS, AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policyholder must have ADDITIONAL INSURED provisions or an endorsement. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsements.

Insured: Paul Catledge  
DBA Pan Geo Consultants  
8208 West State Rd 84  
Davie, FL 33324

Insurer: Tain City Fire Insurance Company  
22459  
Insurance: Universities at 1500's of London AMB06200 AA-1122000

COVERAGES

CERTIFICATE NUMBER	REVISION NUMBER	TYPE OF INSURANCE	POLICY NUMBER	INSURANCE	COVERAGE	LIMITS
Y	Y	COMMERCIAL GENERAL LIABILITY	0905/2020	0905/2020	GENERAL AGGREGATE	\$ 1,000,000
		PRODUCTS, COMPOUND AGG.				\$ 2,000,000
		COMPLETION DEFECTS				\$ 10,000
		ADDITIONAL COVERAGES				
		UTILITY SERVICE				
		CONSTRUCTION DEFECTS				
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**ACORD** **CERTIFICATE OF LIABILITY INSURANCE** **ESCIE-1** **OP ID: KM** **DATE (MM/DD/YYYY)** 1/29/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: JSC Insurance Agency, 2200 Hillcrest Street, Orlando, FL 32803, Erin K. Kelley

321-445-1117

CONTACT: Kristin McIntosh, 321-445-1117, FAX: 321-445-1076, E-MAIL: kmcintosh@jscinsurance.com

INSURER(S) AFFORDING COVERAGE:

INSURER	NAIC #
INSURER A: Continental Casualty Company	28443
INSURER B: Old Dominion Insurance Co.	40231
INSURER C: The Zenith Insurance Co.	13269
INSURER D: Scottsdale Insurance Company	41297
INSURER E:	
INSURER F:	

COVERAGES

CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE	TYPE OF INSURANCE	CODE	DATE	POLICY NUMBER	POLICY EFF. DATE	POLICY EXPI. DATE	LIMITS
A	COMMERCIAL GENERAL LIABILITY						
	CLAIMS-MADE	X					
	OCUR						
	GEN'L AGGREGATE LIMIT APPLIES PER:						
	POLICY	X					
	LOC						
	OTHER:						
B	AUTOMOBILE LIABILITY						
	ANY AUTO						
	OWNED ONLY						
	LEASED ONLY						
	BOILER/MACHINERY						
	ADDITIONAL COVERAGES						
	WORKERS COMPENSATION AND EMPLOYERS LIABILITY						
	ANY WORKERS COMPENSATION EXCEPT:						
	MANDATORY IN NYS						
	DESCRIPTION OF OPERATIONS BELOW						
D	Professional Liability						
	Pollution Liab						

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER: FORPROPOSAL PURPOSES

CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE, THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE: Erin K. Kelley

ACORD 25 (2016/03) © 1988-2015 ACORD CORPORATION. All rights reserved. The ACORD name and logo are registered marks of ACORD.

## State of Florida Department of State

I certify from the records of this office that E SCIENCES, INCORPORATED is a corporation organized under the laws of the State of Florida, filed on August 29, 2000.

The document number of this corporation is P0000081584.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 4, 2021, and that 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 Seventh day of January, 2021



*Samuel R. Brumby*  
Secretary of State

Tracking Number: 1199766483CU

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

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL GEOLOGISTS**  
THE GEOLOGY BUSINESS HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

**E SCIENCES, INCORPORATED**  
34 EAST PINE STREET  
ORLANDO, FL 32801

**LICENSE NUMBER: CB416**  
**EXPIRATION DATE: JULY 31, 2020**  
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.  
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**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**  
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**E SCIENCES, INCORPORATED**  
34 EAST PINE STREET  
ORLANDO, FL 32801

**LICENSE NUMBER: CA8691**  
**EXPIRATION DATE: FEBRUARY 28, 2021**  
Always verify licenses online at MyFloridaLicense.com

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**STATE OF FLORIDA**  
**BOARD OF PROFESSIONAL ENGINEERS**  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**LOCKE, NADIA GUERTIN**  
1775 WEST LAS OLAS BLVD.  
FT LAUDERDALE, FL 333120000

**LICENSE NUMBER: PE38676**  
**EXPIRATION DATE: FEBRUARY 28, 2023**  
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**INTERNATIONAL SOCIETY OF ARBORICULTURE**  
**CERTIFIED ARBORIST™**

**Brian Voelker**

Having successfully completed the requirements set by the International Society of Arboriculture, the above named is hereby recognized as an ISA Certified Arborist®

**ISA** **ANSI**

Kevin M. McGee, Director of Certification, International Society of Arboriculture  
Cathy Polman, Executive Director, International Society of Arboriculture

FL-0378A, 28 Jan 2005, 30 Jun 2021  
Certification Number, Certified Date, Expiration Date

ANSI Z600.1-2012, ANSI Z600.1-2012, ANSI Z600.1-2012  
Program, Certification Program, QA-Certification





***State of Florida  
Department of State***


I certify from the records of this office that CARTAYA AND ASSOCIATES, ARCHITECTS, P.A. is a corporation organized under the laws of the State of Florida, filed on September 26, 1983.


The document number of this corporation is G63130.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 7, 2021, and that 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 Seventh day of January, 2021*



  
**Secretary of State**

Tracking Number: 3853163542CC

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

<https://services.sosfl.or.gov/Filings/CertificateOfStatus/CertificateAuthentication>

The image shows a circular professional engineer seal for the State of Florida. The outer ring contains the text "STATE OF FLORIDA" at the top and "BOARD OF PROFESSIONAL REGULATION" at the bottom. Inside the ring, the text "BOARD OF ARCHITECTURE & INTERIOR DESIGN" is written. The center of the seal features the name "JUSTINIANO, JUAN C" in large, bold, capital letters. Below the name, the address "2400 E COMMERCIAL BLV. SUITE 201" and "FT LAUDERDALE FL 33306" is printed. At the bottom of the seal, a box contains the "LICENSE NUMBER: AR94371". Below the seal, the expiration date "EXPIRATION DATE: FEBRUARY 28, 2023" is displayed. A note at the bottom states "Always verify licenses online at MyFloridaLicense.com". In the top left corner, there is a small circular logo with a globe and the text "Ron DeSantis, Governor". In the top right corner, the "dbpr" logo is visible. In the bottom left corner, there is a QR code with the text "QR CODE" below it. In the bottom right corner, there is a disclaimer: "This is your license. It is unlawful for anyone other than you to use this license to use this document."



**BROWARD**  
**COUNTY**  
**FLORIDA**

Department of Public Works  
115 S. Andrews Avenue, Room 6400 • Fort Lauderdale, Florida 33301 • Tel: 561-575-6400 • FAX: 561-577-5475 • TTY: 561-577-5468

Office of Economic and  
Small Business Development

*This Certificate is Awarded to:*  
**CARTAYA AND ASSOCIATES ARCHITECTS, P.A.**

21 S. Orange Ave. 10th. Floor, Miami, Florida 33136  
Telephone: (305) 581-7771, Fax: (305) 581-7772  
(Date Issued: 04/24/07)

County Business Enterprise  
Anniversary Date: November 10<sup>th</sup>

*Chris Johnson*  
County Administrator

This Certificate of Commendation is hereby bestowed upon the individual named herein for the quality of service rendered to the community through self-motivation and commitment. It is hereby a public recognition of the individual's outstanding performance and contribution to the community.  
Approved by the County Administrator: \_\_\_\_\_  
www.browardcountypa.com/ceba



# 8. PROJECT MANAGEMENT

## A. METHODOLOGY AND PROJECT APPROACH

### I. BACKGROUND

Chen Moore and Associates (CMA) has established a reputation in South Florida for successfully providing professional services for multiple municipalities. The firm has been headquartered and working within Broward County for over 30 years, and with this experience comes an extensive knowledge of the latest codes and regulations for local regulatory agencies. We have extensive experience providing Continuing Engineering and Landscape Architecture services to over 45 municipalities in the State of Florida. Our services cover the spectrum of utility engineering, water and sewer infrastructure, drainage and stormwater engineering, transportation and roadway engineering, water resources, urban planning, master planning, streetscaping, parks, urban spaces and recreation areas.

The City of Margate is looking to enter into a contract with an experienced Civil Engineering firm to provide professional services that may include but are not limited to design and permitting of water, sewer, drainage and roadway infrastructure projects, expansions, additions, construction of new infrastructure, infrastructure repairs and upgrades, transportation planning and improvement, surveying and data collection, landscape architecture, site planning and assistance with government permitting. The goal of the City is to execute these projects in a timely fashion within the allocated budgets as developed in the CIP program.

CMA has assembled a team of dedicated professionals with a long track record of providing professional services for multiple municipalities. We feel confident that the team for this contract has the experience, the local knowledge and local agencies relationships to make the projects a success. CMA will be providing in-house civil engineering and landscape architecture services for this contract.

### II. APPROACH METHODOLOGY

For this contract CMA has assembled a team of experienced local experts with extensive experience working on municipal projects just like the ones under this RFQ. Our services will be provided out of our headquarters located in Fort Lauderdale just minutes away from the City of Margate. Our location ensures that we are always available to your staff and ready to respond to any demands and within minutes.

Our team has developed a successful Project Approach and Methodology for engineering and infrastructure projects for the construction and expansion of infrastructure projects and municipal facilities as described in this RFQ. Our approach entails the following steps that can be modified to tailor the specific demands of the projects under this contract:

1. Define Scope and Expectations - Project kickoff
  2. Data Gathering and Preliminary Investigations
  3. Project Execution & Design
  4. Regulatory Agency Coordination and Approval
  5. Engineering Services During Construction
  6. Project Closeout and Certification
1. **Define Scope and Expectations** – The first thing to establish in any project are the limits of scope. A well- defined scope will allow the accurate determination of key elements of the Project such as future challenges, initial budgets and client expectations. When CMA starts a project, a kickoff meeting with stakeholders and the client is held to establish the Project goals, expectations, budget, schedule and details of the scope of work.

During this phase CMA, in conjunction with the City, will establish the Project objectives and deliverables. Establishing the City's goals are our main priority. At the kickoff meeting we will

identify the team and present the team members to the Client. We will establish the members' roles and provide their contact information. At the meeting we will discuss expectations such as timelines and budgets. We will establish potential risks and bottlenecks while identifying the project steps and solutions. The Project kickoff will also establish logistics of team communication while incorporating the client's input or special requests for the Project.

After the kickoff meeting, we continue to communicate with the client throughout the various stages of design to ensure that the final product exceeds the needs of our client.



## 2. *Data Gathering and Preliminary Investigations –*

This step of the project is considerably the most important part of the project. It requires detailed attention, experience, organization, and substantial coordination. This is the step of our project approach in which we learn everything about the project, where we learn the limitations, existing conditions and where we coordinate with most stakeholders.

CMA initiates this project step by conducting an internal kick-off meeting with subconsultants. At the meeting, details of the project are shared with subconsultants, schedules are established, and key items are discussed. Typically, topographic surveys, environmental surveys and assessments, and geotechnical engineering will be released right away. However, prior to sending our team to the field, we make sure they have all available information such as as-builts and previous surveys for their use.

The following are the tasks are performed under this phase:

- a. Call for design tickets
- b. Request and review as-builts, GIS and existing information (utilities)
- c. Release surveyor (and share any available information with the team)
- d. Release environmental consultants
- e. Perform Utility Designation







During this phase, CMA will share the collected information with the City and discuss items of concern. Meetings can be held as necessary to discuss the design approach and obtain feedback regarding the proposed design. In this meeting we will discuss project history, challenges, solutions, constructability methods, permitting and findings from our meetings with regulatory agencies. Project exhibits will be developed for the Client to discuss the design approach.

3. **Project Execution & Design** – Once all data has been obtained and expectations have been established, we are ready to move forward with the preliminary design and final design. During this phase our team will not only come up with a safe and efficient design, but we will also implement “value engineering”, “budget control” and “quality control” practices to stay within budget, schedule and provide savings to the City.

During this phase, CMA will develop detailed plans, calculations, reports, assessments, complete studies, and incorporate technical specifications.

The following is a summary of the design approach and potential issues or challenges for each design discipline. We know from experience that the successful delivery of complex projects boils down to implementing four fundamental steps:

- Begin with a design approach that identifies the core project technical issues.
- Break down the project design components to the root challenges of each discipline.
- Focus on simplifying solutions and providing clean, constructible designs.
- Follow through to assure coordination, accountability, and communication among the disciplines so that the individual designs complement each other and unify to achieve the project goal.

Design submittals can be provided in a variety of formats (digital and paper copies) and schedules. CMA will adjust to the client needs whether submittals are required as Preliminary Plans and Final Plans, or Schematic Design, Design Development and Construction Documents, or 30 / 60 / 100 percent plans. Our team is used to adapting to different schedules including accelerated schedules and emergency projects if required.

During this phase CMA will also discuss design options that will allow for normal operation of facilities during construction. Our team understands the priorities of the City and it is our goal to minimize disruptions and to implement safety measures prior to the construction phase of each project. Pedestrian access and public safety will be discussed and taken into consideration as part

of the design. Several of our team members and staff are trained and certified on OSHA guidelines for safety.

Design of the project will be done utilizing the latest version of AutoCAD Civil 3D, and the necessary infrastructure design will be provided with the following software.

- Storm sewer and stormwater system: StormCAD, ICPR 4, Cascade.
- Watermain infrastructure: WaterCAD, InfoWater.
- Sanitary sewer and Lift Station: SewerCAD.
- Grading and engineering plans: Civil 3D

In addition, CMA uses GIS in many of its projects. GIS can be implemented into projects in many ways to tailor the needs of the client.



4. **Regulatory Agency Coordination & Approval** – This phase of our Project approach is performed during the entire Project duration. It begins prior to the kickoff meeting with our initial as-built investigation and existing permits research; and ends with the Project close-out and final certifications. It is of the utmost importance that the regulatory agencies are approached and engaged in the Project as early as possible in the process to avoid any surprises. It is our intent to attend pre-application meetings with all the regulatory agencies.

The CMA team has excellent relationships with the regulatory agencies that will be involved in this contract. Our team has years of experience in dealing with the local agencies including utility providers and drainage districts. The CMA team has extensive experience working with the following agencies:

- South Florida Water Management District (SFWMD)
- Central Broward Water Control District (CBWCD)
- Florida Department of Transportation (FDOT)
- Broward County Highway Construction and Engineering Division (BCHCED)
- Broward County Traffic Engineering Division (BCTED)
- Broward County Environmental Protection & Growth Management Department (EPGMD)
- Florida Department of Environmental Protection (FDEP)
- U.S. Army Corps of Engineers (USACOE)
- Multiple Broward County Municipalities

Our Team has worked with the above-listed and many other regulatory agencies throughout South Florida.





5. **Engineering Services During Construction** – To ensure the completion of a successful project, it is important that experienced personnel oversee the construction efforts. CMA can assist the City with several services including bidding assistance, contractor selection, contract review, contractor pay requests review, construction administration, full time construction observation and final engineer's certification. Our philosophy is that we will function as an **extension of your staff** to ensure that the Project remains on track within budget and within schedule while maintaining our client thoroughly informed of the progress of the project during construction.

During the bidding phase the CMA team can assist the City as necessary. We have engineers and construction personal with years of experience in the public and private sector that can assist in the selection of the best construction firm for the projects. We believe that success of a Project can be defined during the construction phase. Along with a complete set of Technical Specifications, CMA strongly beliefs in outlining clear requirements, parameters and expectations for the construction firm to be working on the Project. Such parameters must be established in the contract documents and the expectations should be clearly communicated during the bidding phase and throughout the development of the Project. A kick-off meeting with the contractor will be established to discuss expectations such as timelines, budgets, potential risks and bottlenecks while identifying prevention steps and solutions. At the meeting we will also establish the structure of team communication

CMA also believes on working on a **collaborative environment** with the contractor and the owner while functioning as one team towards one goal for the success of the Project.



6. **Project Closeout and Certification** – To ensure successful completion of any project, is important that the selected firm understands the requirements for the closeout, acceptance and certification of a project. Not having the experience in dealing with complex project closeout requirements can lead into delays for obtaining project final certifications, TCO (Temporary Certificate of Occupancy)

or CO (Certificate of Occupancy). We have experience in coordinating project close out documents, easement recordation requirements, parcel dedication (in case of lift stations), as-built criteria and inspections, record drawings, landscape inspection criteria, impact fees among other criteria that can be challenging to the inexperienced consultant. The CMA team has several years of experience working with Cities and agencies in South Florida.

Proper scheduling and expeditious coordination are required to ensure the project closeout does not delay the schedule. The CMA team will hold weekly meetings as necessary to inform the client and the contractor of the necessary steps to take and required information for the successful close out of the project with the regulatory agencies.

Our Project Approach had proven to be successful on many projects as it is consistently reflected on the excellent evaluations we have received from our clients.

This project will be led by key players in our Fort Lauderdale office and Daniel Davila, P.E., shall serve will serve as project manager. Daniel will pledge to make himself available to the City at all times, to properly communicate and execute on all projects, ensuring our work is completed on time and within the established budget. We work as an extension of our clients as a trusted advisor familiar with the technical aspects of a project, the regulatory/permitting requirements and in consideration and communication with all stakeholders involve. Daniel will ensure that our clients remain well informed throughout the process with frequent communication and regular project updates and that our staff is accessible to handle any client needs that arise throughout the project.

## **B. PROJECT EXPEDITING**

CMA is committed to meeting all project specific schedule and budget requirements to be defined by the City of Margate. All CMA staff members realize that on-time and on-budget delivery of all projects is a key element in meeting our commitments to all our clients. In order to accomplish this, CMA employs numerous techniques as follows:

CMA makes the commitment that all key personnel on the project team will be dedicated as necessary to meet the workload needs of the City under this contract. CMA will avoid any project delays and project budget overruns by maintaining a dedicated project team with limited staff turnover for the purpose of maintaining our efficiency.

Our project team members have previously worked together on numerous projects, which include previous work for City. The project team members defined in this proposal have years of work experience for the City and are eager and available to continue to work on City projects in the future. Since the project team has extensive previous experience working with the City, CMA will avoid any project delays and project budget overruns due to this previous work experience and lack of a learning curve with working with the City.

CMA offers the City a large pool of qualified personnel with varying skills and capabilities to meet the work needs of the City under this RFQ. Because of our qualified personnel, our project team is able to overcome any unforeseen delays by assigning additional staff to the work effort as necessary.

CMA does not currently have any active projects or future projects that would interfere with the proper execution of all work expected under this contract for the City. In the past, CMA has been able to successfully manage these previous and existing projects concurrently without any significant challenges.

All work expected under this contract will be managed locally out of the Fort Lauderdale office, which will allow us to ensure optimum efficiency while completing our work effort.

CMA uses the latest software and hardware to ensure the effective and efficient execution of all work tasks needed to meet schedule requirements, and in some cases even expedite the required services.

CMA conducts weekly progress meetings with the progress team to ensure appropriate progress on each project deliverable. If there are any issues identified during these weekly progress meetings, CMA will develop contingency plans to ensure timely completion of each deliverable.



CMA maintains a schedule and deliverable matrix for all active projects that is continuously updated to ensure all necessary resources are appropriately dedicated to all active projects to ensure all deadlines are met on behalf of all clients.

For the purpose of anticipating the future workload needs on our staff, all project managers at CMA conduct revenue projections on a monthly basis and allocate all staff assignments on at least a weekly basis. This effort allows our project managers to review the available resources and staff and determine if any additions are required to meet all project deadlines.



CMA has a defined quality control program that is implemented on all projects. CMA will conduct quality control reviews prior to all project milestones with the City. CMA feels that implementing the quality control program on all work for the City will enhance our project performance by avoiding any unexpected “surprises” during the completion of each work task. By avoiding these “surprises”, CMA is able to complete a project without having to complete any re-work, which leads to a direct time savings for CMA and to a direct time savings for the City.

The CMA team is experienced in expediting review processes through local and state jurisdictional agencies. The key to expediting permits is to **meet with the regulatory agencies** prior to initiating the project. In a pre-application meeting the team gains valuable information which is implemented in the design and permitting. Interaction with the regulatory agencies from the early inception of the project helps to avoid unnecessary delays. At the pre-application meeting CMA will convey the urgency of the project and will discuss a plan of attack to expedite the review process.

During review, CMA will also track the submittal dates and interactions with the regulatory agencies. During the process, CMA will contact the agencies while maintaining good relationships to obtain the expedited permits.

A recent example of an expedited project is the design and permitting of 23,000 linear feet of 30-inch sewage forcemain for the City of Fort Lauderdale which was designed, permitted and constructed within 9 months. The project was an emergency project for the City Fort Lauderdale and CMA made it a priority to meet with the agencies before initiating the design. At the meetings the CMA team explained the nature of the project and discussed the steps to take to expedite it. Meetings and conference calls included, FDEP, Broward County Environmental Services, SFWMD, U.S. Army Corps of Engineers, City of Fort Lauderdale and Broward County Highway Construction.

**D. TEAM MANAGEMENT** A robust team of internal staff and subconsultants each selected for their unique skills and our experience completing projects together, supports our leadership team. As the Prime Consultant, CMA will be providing the services required in this RFP with the support of our subconsultants. We have selected our subconsultants based on their knowledge, experience and long working relationship with CMA staff. Our working relationship goes back in some cases over two decades of successful projects.



This project team has built in redundancy allowing us to provide internal peer review and quality control. Our structure also enables us to shift workload from one consultant to another making certain all our deliverables are high quality and on time.

To ensure deadlines and deliverables are met, CMA holds weekly conference calls with subconsultants. In the call the team discusses the progress of the work, addresses potential challenges, coordinates with other disciplines and provide an outlook for the following week. During the conference call, an action item list is developed for all participants to ensure project progress is tracked.

Our established project approach, the strong relationship with our subconsultants and their extensive experience will ensure the projects delivered to the City will be on time and within the allocated budgets.

# 9. PROOF OF INSURANCE



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/22/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Libertate Insurance Services, LLC 20 N. Orange Avenue, Suite 500 Orlando, FL 32801  www.libertateins.com	<b>CONTACT</b> NAME: Engage PEO Certificate of Insurance Dept. PHONE (A/C, No, Ext): 727-565-2950 FAX (A/C, No): 727-214-9088 E-MAIL ADDRESS: wc@engagepeo.com	
	<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: Illinois National Insurance Co. NAIC #: 23817 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

**COVERAGES** **CERTIFICATE NUMBER:** 59818332 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N/A		WC020733749 (FL)	1/1/2021	1/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage is provided to the leased employees of, but not the subcontractors of, The S2 HR Group, LLC dba Engage PEO (A PEO) Chen Moore & Associates, Inc. (A client of PEO)  
 Re: RFQ MCRA 2021-03

<b>CERTIFICATE HOLDER</b> 191083-FL  City of Margate Purchasing Division 5790 Margate Blvd. Margate FL 33063	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE Paul R. Hughes
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59818332 | 21/22 WC (Florida Master Only) Ill National | Tracy Culley | 1/22/2021 1:09:52 PM (EST) | Page 1 of 1  
 This certificate cancels and supersedes ALL previously issued certificates.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
01/22/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Lassiter-Ware Insurance 1300 N. Westshore Blvd. Suite 110 Tampa FL 33607	<b>CONTACT NAME:</b> Wendy Tyree <b>PHONE (A/C, No, Ext):</b> (800) 845-8437 <b>FAX (A/C, No):</b> (888) 883-8680 <b>E-MAIL ADDRESS:</b> wendyt@lassiterware.com
<b>INSURED</b> Chen Moore & Associates, Inc. 500 W. Cypress Creek Road Suite 630 Fort Lauderdale FL 33309	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Crum & Forster Specialty Insurance Co. <b>INSURER B:</b> Old Dominion Insurance Co. <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>


**COVERAGES** **CERTIFICATE NUMBER:** 21-22 Cert **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractors Pollution Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y		EPK133473	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			B1T2667W	01/01/2021	01/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP-Basic \$ 10,000
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			EFX116639	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ PER STATUTE OTH-ER
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/>	N/A					E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability (Claims-Made) Limits included with General Liability			EPK133473	01/01/2021	01/01/2022	Each Claim \$1,000,000 Aggregate \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: RFQ MCRA 2021-03  
The City of Margate and City of Margate Redevelopment Agency are included as additional insured under the terms and conditions of the attached forms on the General Liability policy, when additional insured status is required by written contract.

<b>CERTIFICATE HOLDER</b> City of Margate, Purchasing Division, City of Margate Redevelopment Agency 5790 Margate Blvd. Margate FM 33063	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. <b>AUTHORIZED REPRESENTATIVE</b> 
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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART  
CONTRACTORS POLLUTION LIABILITY COVERAGE PART

### **SCHEDULE**

<b>Name Of Additional Insured Person(s) or Organization(s)</b>
Where Required By Written Contract.

**SECTION III – WHO IS AN INSURED** within the Common Provisions is amended to include as an additional insured the person(s) or organization(s) indicated in the Schedule shown above, but only with respect to liability caused, in whole or in part, by "your work" for that insured which is performed by you or by those acting on your behalf.

**ALL OTHER TERMS AND CONDITIONS OF THE POLICY REMAIN UNCHANGED.**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### SCHEDULE

Name of Additional Person(s) or Organization(s):	Location And Description Of Completed Operations
Where Required By Written Contract.	Where Required By Written Contract.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

- A. Section III – Who Is An Insured within the Common Provisions is amended to include as an insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

# 10. OFFEROR'S CERTIFICATION

## OFFEROR'S CERTIFICATION MCRA RFQ NO. 2021-02

### WHEN OFFER IS A CORPORATION

IN WITNESS WHEREOF, the Offeror hereto has executed this Proposal Form this 2nd day of February, 2021.

(CORPORATE SEAL)

ATTEST:

By AB  
Secretary

Chen Moore and Associates, Inc.

Printed Name of Corporation

Florida

Printed State of Incorporation

By: [Signature]

Signature of President or other authorized officer

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

Printed Name of President or other authorized officer

500 West Cypress Creek Road, Suite 630

Address of Corporation

Fort Lauderdale, FL 33309

City/State/Zip

954.730.0707

Business Phone Number

State of Florida

County of Broward

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this day of February 2, 2021, by (Name), Peter Moore, P.E., F.ASCE, ENV SP (Title) of President of Chen Moore and Associates, Inc. (Company Name) on behalf of the corporation, who is personally known to me or who has produced \_\_\_\_\_ as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

[Signature]  
Notary Public

Johanna Zona

Name of Notary Public: Print, Stamp, or Type as Commissioned





## 11. STANDARD FORM 330

# ARCHITECT – ENGINEER QUALIFICATIONS

## PART I – CONTRACT SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Margate RFQ MCRA General Engineering Consulting Services

2. PUBLIC NOTICE DATE

January 4, 2021

3. SOLICITATION OR PROJECT NUMBER

No. 2021-02

### B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Daniel Davila, P.E., Senior Engineer / Branch Manager

5. NAME OF FIRM

Chen Moore and Associates, Inc.

6. TELEPHONE NUMBER

954.730.0707 x1085

7. FAX NUMBER

954.730.2030

8. E-MAIL ADDRESS

ddavila@chenmoore.com

### C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)					
	PRIME	J-V PARTNER	SUBCON- TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			Chen Moore and Associates  <input type="checkbox"/> CHECK IF BRANCH OFFICE	500 West Cypress Creek Road Suite 630 Fort Lauderdale, FL 33309	Civil engineering and landscape architecture
b.			X	Pan Geo Consultants, LLC  <input type="checkbox"/> CHECK IF BRANCH OFFICE	8464 W SR 84 Davie, FL, FL 33324	Geotechnical engineering
c.			X	E Sciences  <input type="checkbox"/> CHECK IF BRANCH OFFICE	34 E Pine Street Orlando, FL 32801	Environmental engineering
d.			X	Stoner and Associates, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	4341 SW 62nd Avenue Davie, FL 33314	Surveying
e.			X	Cartaya & Associates  <input type="checkbox"/> CHECK IF BRANCH OFFICE	2400 E Commercial Boulevard Suite 201 Fort Lauderdale, FL 33308	Architecture
f.				  CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

[X] (Attached)

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Daniel Davila, P.E.	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 9

15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Fort Lauderdale, FL
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16. EDUCATION (Degree and Specialization) Bachelor of Science / Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Davila has experience on numerous private and public clients that range from residential developers, industrial developers, municipalities, federal agencies, hospitals, universities, and educational institutions. His experience includes planning and design of stormwater systems, water and wastewater facilities, facilities planning, utilities master planning, infrastructure renewal, roadway design, and construction management. He has been the contract manager for small projects as well as large complex projects managing millions of dollars in design fees and several subconsultants.
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19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) TOD SW 36th Court Watermain Replacement (R-2018-097) Davie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) 2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>[X]</b> Check if project performed with current firm Project Manager. The SW 36th Court Watermain Replacement Project entails abandoning approximately 2,500 linear feet of an existing 6" water main that runs along SW 36th Court between SW 55th Avenue and SW 61st Avenue. The existing pipe will be replaced with an 8" PVC. The existing pipe will be abandoned in place. This scope of services will include the planning and design services necessary to prepare all required construction documents for the proposed infrastructure improvements within the Town of Davie. It is anticipated that the design will incorporate open cut; however, trenchless technologies such as pipe bursting will be evaluated as part of the design. Addition of fire hydrants a stub-outs for future connections are part of the scope. Cost: \$500,000; Fee: \$81,234.80		
b.	(1) TITLE AND LOCATION (City and State) TOD SW 58th Ave Water Main Davie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>[X]</b> Check if project performed with current firm Project Manager. CMA is the lead engineer for the SW 58th Street watermain extension for the Town of Davie Utilities Department. Improvements include approximately 3,500 linear feet of 8" PVC C-900 pipe with tees and stub-outs for future connections. The watermain is located in a residential area and as part of the design CMA will coordinate phasing of the construction to maintain traffic access to residential areas. Fee: \$29,781		
c.	(1) TITLE AND LOCATION (City and State) TOD CIP Engineering Cost Analysis Davie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>[X]</b> Check if project performed with current firm Project Manager. CMA will provide professional services for the coordination, site research, investigation, conceptual engineering exhibits and opinion of probable cost for construction of the proposed improvements to incorporate new service areas under the Town of Davie Utilities Department. CMA will provide schematic engineering and an opinion of probable cost and narrative. The schematic drawings and opinion of probable cost will be used by the Town to include the project into the CIP. Fee: \$15,155		
d.	(1) TITLE AND LOCATION (City and State) Emergency Bypass 48" Forcemain Fort Lauderdale, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) 2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>[X]</b> Check if project performed with current firm Project Manager. CMA is responsible for the design, permitting, and construction observation of the replacement of the City of Fort Lauderdale's main transmission line going into the wastewater treatment plant. The new line consists of more than 22,000 linear feet of new pipe which will be installed via 12 horizontal directional drills (HDD) that range between 1,700 and 3,000 linear feet each to a depth of up to 70 feet. The new force main is mostly 48" HDPE pipe with some ductile iron pipe sections. The project route includes sensitive ecosystems including the crossing of South Middle River which require Benthic surveys for the subaqueous crossing, dewatering calculations, and permitting for construction within a quarter mile of contaminated areas with high-water table being close to the coastline. Fee: \$1,200,000		
e.	(1) TITLE AND LOCATION (City and State) Ft Lauderdale FM Rehab, HDD & Swageline (1-4) Fort Lauderdale, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>[X]</b> Check if project performed with current firm Project Manager. CMA was the prime consultant for the 30" Emergency Force Main Rehabilitation project in the City of Fort Lauderdale. This innovative design-build project, led by Murphy Pipeline Contractors (MPC), was undertaken to provide both mainline force main replacement for aging infrastructure and to provide additional redundancy in case of future issues. The nearly 20,000 linear feet of pipeline was rehabilitated through a combination of swagelining, directional drilling, and traditional open cut installation over these four phases. CMA provided planning, design, permitting, and engineering services during construction. Environmental compliance, subaqueous crossing, public involvement, and maintenance of traffic in the busy Sistrunk and Himmarshee Business Districts were some of the additional project complexities. CMA also provided dewatering permitting and groundwater modeling due to contaminated sites within quarter mile of the projects. This project was awarded the 2019 Project of the Year by the ASCE Broward Branch. Cost: \$14 million; Fee: \$836,710		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	13. ROLE IN THIS CONTRACT Principal-in-Charge	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 21

15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., Fort Lauderdale, FL
------------------------------------------------------------------------------------------------------------

16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer
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18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> 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.
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**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
a. (1) TITLE AND LOCATION <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2012
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE QA/QC. CMA was 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. Fee: \$3,611,340; Cost: \$21.2 million	[X] Check if project performed with current firm	
b. (1) TITLE AND LOCATION <i>(City and State)</i> Margate Boulevard Design and Construction Services Margate, FL	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal. CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout. The addition of the roadway and pedestrian scale lighting was extensive. Fee: \$412,000; Cost: \$3.9 million	[X] Check if project performed with current firm	
c. (1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal. CMA was contracted by the City of Coral Springs CRA in the planning, design, permitting, and construction support of various streetscaping improvements in Downtown Coral Springs. As the prime consultants, CMA provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
d. (1) TITLE AND LOCATION <i>(City and State)</i> Avondale Stormwater Improvements Pompano Beach, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal. The primary purpose of the Avondale Stormwater Improvement Project is to reduce the flooding depth and duration within the neighborhood during significant storm events. Based on our analysis of the various system improvement alternatives during the Stormwater Master Plan, the implementation of a stormwater pumping system into the SFWMD G16 Canal would be the most effective option for reducing the peak flood stage and reducing the flood duration within the Avondale Neighborhood by increasing the discharge rate via the existing outfalls when the canal levels are elevated. Fee: \$285,025	[X] Check if project performed with current firm	
e. (1) TITLE AND LOCATION <i>(City and State)</i> Miramar - Cultural Amphitheater Miramar, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE QA/QC. CMA provided landscape architecture services for the Cultural Amphitheater located in Miramar Regional Park. CMA provided landscape and irrigation design including design development, construction documents, bidding and permitting and construction administration. Fee: \$18,000	[X] Check if project performed with current firm	

# **E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME Cristobal Betancourt, RLA, AICP	13. ROLE IN THIS CONTRACT Deputy Project Manager	14. YEARS EXPERIENCE a. TOTAL 25      b. WITH CURRENT FIRM 9	
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Inc., West Palm Beach, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science / Landscape Architecture Master of Science / Urban Design		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Registered Landscape Architect NJ / Registered Landscape Architect NY / Registered Landscape Architect	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Betancourt is CMA's Director of LA and Planning. He has over 25 years of experience providing planning and LA 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.			

## **19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) City Park Master Plan - Splash Pad - Continuing Professional Services Oakland Park, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION (If applicable) ongoing	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Dir. Landscape Architecture. The City's Collins Central (City) Park consists of +/- 19.7 acres including several existing parks and municipal facilities. Those facilities include a community center, public works operations center and Fire Station No. 9. As part of the master planning effort led by Zyscovich Architects, the public works facility and the fire station shall be relocated in a site reconfiguration within the southern half of the site (+/- 9 acres). The master planning effort shall include a splash pad and other site amenities to promote pedestrian and overall park connectivity. Fee: \$107,000	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION (If applicable) 2012	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Dir. Landscape Architecture. CMA was 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-inchwater 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. Fee: \$3,611,340; Cost: \$21.2 million	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION (If applicable) 2015	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Doral Glades Park Doral, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION (If applicable) 2019	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Project Manager. CMA provided site planning and landscape architecture for the design of a 24-acre district park. The park serves a new residential community in the northwestern section of the City. The park carries a nature theme celebrating the flora and fauna of the Everglades. Divided into four themed areas, the park celebrates mammals, birds, insects, and reptiles & amphibians of the Everglades. The site includes a 12-acre lake with a kayak launch, recreational trail, and fishing pier extending into the lake. Fee: \$122,820; Cost: \$10.6 million	[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Miramar - Cultural Amphitheater Miramar, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION (If applicable) 2017	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Project Manager. CMA provided landscape architecture services for the Cultural Amphitheater located in Miramar Regional Park. CMA provided landscape and irrigation design including design development, construction documents, bidding and permitting and construction administration. Fee: \$18,000	[X] Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Jose L. Acosta, P.E., F.ASCE	13. ROLE IN THIS CONTRACT QA/QC	14. YEARS EXPERIENCE a. TOTAL 22      b. WITH CURRENT FIRM 10	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Masters of Business Administration; Bachelor of Science / Civil Engineering; Bachelor of Science / Architectural Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer / Natl. Council of Examiners for Eng. & Surveying	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Acosta has over 22 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.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements, Lauderdale-by-the-Sea, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION <i>(If applicable)</i> 2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core in the Town of Lauderdale by the Sea. The goals of this project were to create an urban gathering place that provides beautiful vistas of the sea, provides increased shade from the intense sun and heat, enhances the pedestrian environment and safety while maintaining vehicular access to the businesses located on the street and improving vehicular circulation and parking, provides for expansion of outdoor dining areas, and pays tribute to the Town's history. Fee \$74,000; Cost \$1,870,000	[X] Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION <i>(If applicable)</i> 2012	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal/Project Manager. CMA was 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-inchwater 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. Fee: \$3,611,340; Cost: \$21.2 million	[X] Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION <i>(If applicable)</i> 2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk." Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Brightline Florida Fort Lauderdale-Parking Garage Fort Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION <i>(If applicable)</i> 2017	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal. CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station. Civil engineering services included utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. Landscape architecture services included plans for tree disposition, landscape, and irrigation; and construction administration. Fee: \$55,000	[X] Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> City Park Master Plan - Splash Pad - Continuing Professional Services Oakland Park, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The City's Collins Central (City) Park consists of +/- 19.7 acres including several existing parks and municipal facilities. Those facilities include a community center, public works operations center and Fire Station No. 9. As part of the master planning effort led by Zyscovich Architects, the public works facility and the fire station shall be relocated in a site reconfiguration within the southern half of the site (+/- 9 acres). The master planning effort shall include a splash pad and other site amenities to promote pedestrian and overall park connectivity. Fee: \$107,000	[X] Check if project performed with current firm	



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Suzanne Dombrowski, P.E., ENV SP		13. ROLE IN THIS CONTRACT Civil Engineering		14. YEARS EXPERIENCE	
				a. TOTAL 17	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., West Palm Beach, FL					
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering Master of Engineering / Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer		
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Suzanne Dombrowski, P.E., ENV SP is a senior engineer and Branch Manager with CMA. She holds a bachelor's degree in civil engineering and a master's degree in engineering with a specialization in civil engineering from the University of Florida. Ms. Dombrowski has managed a wide range of municipal utility, drainage, and roadway projects from the planning stages throughout construction. She also designs the site civil improvements for both public and municipal facilities. Throughout her career, Ms. Dombrowski has developed relationships with the local regulatory agencies, municipalities, special districts and contractors that facilitate the design, permitting and construction of her projects.					
<b>19. RELEVANT PROJECTS</b>					
a.	(1) TITLE AND LOCATION <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2012	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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-inchwater 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. Fee: \$3,611,340; Cost: \$21.2 million		<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Margate Boulevard Design and Construction Services Margate, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer. Responsible for the construction administration, design adjustments and coordination with the client during the construction phase of this project. CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout. The addition of the roadway and pedestrian scale lighting was extensive. Fee: \$412,000; Cost: \$3.9 million		<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Broward County BCWWS WWED UAZ 307/315 Utilities Dania Beach, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i> 2011	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The Broward County UAZ 307 / 315 Utilities project included replacing existing water main and providing sanitary sewer for County Service Areas in the City of Dania Beach, near Griffin Road and Ravenswood Road. The main technical components included replacing a 12-inch water main on Ravenswood Road, replacing the residential water distribution system, providing sanitary sewer to connect existing septic tanks, and rehabilitation and installation of new lift stations and force main. In order to achieve the necessary information, site visits concentrated on contacting residents to determine the location of existing tanks. Fee: \$1,078,598; Cost: \$8,378,598		<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Davie Utilities GIS Davie, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2000	CONSTRUCTION <i>(If applicable)</i> 2016	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal/Project Manager. CMA collected existing water, sewer and drainage GIS Data for the Town of Davie. CMA reviewed the data against their most recent CAD data and use high resolution aeriels and received feedback from the staff regarding recent developments that have not been updated in the GIS. CMA will assessed the needs for updating the GIS Atlas and provided a brief technical memo that will outlined the steps involved in updating the atlas with probably costs and schedules. Fee: \$94,720		<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach County Water Utilities Department Water Master Plan Update, Lake Worth, FL		(2) YEAR COMPLETED		
			PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> N/A	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was a subconsultant to Carollo Engineers on the Palm Beach County Water Utilities Department (PBCWUD) Water Master Plan Update. The transmission and distribution system includes over 2,400 miles of pipeline and four water treatment plants which produce a combined annual average flow of about 56 million gallons per day. CMA assisted with the data compilation and analysis, distribution system hydraulic and water quality modeling with the InfoWater software, report preparation, cost estimating for proposed alternatives, and development of the Capital Improvements Plan. Fee: \$68,250		<input checked="" type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Patrick Kaimrajh, P.E.	13. ROLE IN THIS CONTRACT Civil Engineering	14. YEARS EXPERIENCE a. TOTAL 12      b. WITH CURRENT FIRM 9	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Patrick Kaimrajh, P.E. serves as a senior engineer for CMA and specializes in leading and managing civil engineering design, drafting, permitting, and construction inspection. His 12 years of design experience includes site development and neighborhood improvement, paving, drainage and stormwater management, sanitary sewer and stormwater pump stations, and water main projects. He has prepared engineering, drawings, cost evaluations, design reports and various permit applications. In addition, Mr. Kaimrajh has performed construction inspections for drainage, water main, sanitary sewer, and pavement..			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> City Park Master Plan - Splash Pad - Continuing Professional Services Oakland Park, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The City's Collins Central (City) Park consists of +/- 19.7 acres including several existing parks and municipal facilities. Those facilities include a community center, public works operations center and Fire Station No. 9. As part of the master planning effort led by Zyscovich Architects, the public works facility and the fire station shall be relocated in a site reconfiguration within the southern half of the site (+/- 9 acres). The master planning effort shall include a splash pad and other site amenities to promote pedestrian and overall park connectivity. Fee: \$107,000	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2012
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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. Fee: \$3,611,340; Cost: \$21.2 million	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented the culverting of the canal along NW 31st court to provide space for a linear park, currently called the "Art Walk." Fee: \$ 235,739.98; Cost: \$4.1 million	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Brightline Florida Fort Lauderdale-Parking Garage Ft Lauderdale, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station. Civil engineering services included utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. Landscape architecture services included plans for tree disposition, landscape, and irrigation; and construction administration. Fee: \$55,000	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION <i>(City and State)</i> Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements, Lauderdale-by-the-Sea, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2012
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core in the Town of Lauderdale by the Sea. The goals of this project were to create an urban gathering place that provides beautiful vistas of the sea, provides increased shade from the intense sun and heat, enhances the pedestrian environment and safety while maintaining vehicular access to the businesses located on the street and improving vehicular circulation and parking, provides for expansion of outdoor dining areas, and pays tribute to the Town's history. Fee \$74,000; Cost \$1,870,000	<input checked="" type="checkbox"/> Check if project performed with current firm	

# **E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME Jason McClair, P.E., CFM, LEED AP	13. ROLE IN THIS CONTRACT Stormwater Engineer	14. YEARS EXPERIENCE a. TOTAL 24      b. WITH CURRENT FIRM 19	
15. FIRM NAME AND LOCATION (City and State) Chen Moore and Associates, Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. McClair is a senior civil engineer with more than 24 years of experience in utility infrastructure design, regulatory permitting, geotechnical engineering, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. He was the project manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan.			

## **19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements, Lauderdale-by-the-Sea, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION (If applicable) 2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Engineer. CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core in the Town of Lauderdale by the Sea. The goals of this project were to create an urban gathering place that provides beautiful vistas of the sea, provides increased shade from the intense sun and heat, enhances the pedestrian environment and safety while maintaining vehicular access to the businesses located on the street and improving vehicular circulation and parking, provides for expansion of outdoor dining areas, and pays tribute to the Town's history. Fee \$74,000; Cost \$1,870,000	[X] Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION (If applicable) 2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Engineer/Project Manager. Mr. McClair was the project manager during the planning, design, permitting, and construction phases of this infrastructure improvement project. He was responsible for leading the project team through all efforts during the completion of this project. CMA was 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-inchwater 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. Fee: \$3,611,340; Cost: \$21.2 million	[X] Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION (If applicable) 2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Engineer. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Dixie Highway Improvements Wilton Manors, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION (If applicable) 2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal. The City of Wilton Manors retained CMA 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). 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. Fee: \$128,390	[X] Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) South Riverside Drive Stormwater Improvements (RFQ E-21-19) Pompano Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION (If applicable) ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Project Manager. The primary purpose of this stormwater improvement project is to reduce the flooding depth and duration within the project area during significant storm events. CMA will assess the feasibility, constructability, regulatory permit restrictions, cost impacts, and flood reduction effectiveness of potential improvement alternative within the area. Fee: \$272,645	[X] Check if project performed with current firm	



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Jennifer Smith, P.E.	13. ROLE IN THIS CONTRACT Stormwater Engineer	14. YEARS EXPERIENCE a. TOTAL 14      b. WITH CURRENT FIRM 14	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., Fort Lauderdale, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Ms. Smith has over 14 years of engineering experience on public infrastructure projects throughout Broward County, including on various projects in the City of Pompano Beach. Her project experience includes the Pompano Beach Stormwater Master Plan, various drainage projects in Pompano Beach and Coral Springs, and multiple Broward County UAZ Water and Sewer Improvements projects.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012      CONSTRUCTION <i>(If applicable)</i> 2012	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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. Fee: \$3,611,340; Cost: \$21.2 million	[X] Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION <i>(If applicable)</i> 2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Dixie Highway Improvements Wilton Manors, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION <i>(If applicable)</i> 2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The City of Wilton Manors retained CMA 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). 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. Fee: \$128,390	[X] Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> South Riverside Drive Stormwater Improvements (RFQ E-21-19) Pompano Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The primary purpose of this stormwater improvement project is to reduce the flooding depth and duration within the project area during significant storm events. CMA will assess the feasibility, constructability, regulatory permit restrictions, cost impacts, and flood reduction effectiveness of potential improvement alternative within the area. Fee: \$272,645	[X] Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Avondale Stormwater Improvements Pompano Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2019      CONSTRUCTION <i>(If applicable)</i> 2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Engineer. The primary purpose of the Avondale Stormwater Improvement Project is to reduce the flooding depth and duration within the neighborhood during significant storm events. Based on our analysis of the various system improvement alternatives during the Stormwater Master Plan, the implementation of a stormwater pumping system into the SFWMD G16 Canal would be the most effective option for reducing the peak flood stage and reducing the flood duration within the Avondale Neighborhood by increasing the discharge rate via the existing outfalls when the canal levels are elevated. Fee: \$285,025	[X] Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Eric Harrison, RLA	13. ROLE IN THIS CONTRACT Parks Design	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., West Palm Beach, FL
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16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Landscape Architecture	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Registered Landscape Architect
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18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Harrison has over 17 years of landscape architecture experience with several municipalities throughout South Florida including the City of Pompano Beach. He has provided design services for parks and recreation, university campuses, K-12 education, corporate office, commercial developments and healthcare facilities. Mr. Harrison has a large portfolio of parks and recreation projects throughout South Florida including passive parks, sports fields, linear parks and parks master plans. Mr. Harrison's streetscaping experience includes Downtown Coral Springs Streetscaping; Old Pompano Area Improvements; South Pointe Phase III/IV/V - Right-of-Way Improvement Project in Miami Beach; Aviation Blvd Roadway & Hardscape Improvements in Marathon; the Wiles Road project in Coral Springs; and Coconut Creek Parkway in Margate.
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19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Landscape Architect. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i> Doral Glades Park Doral, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2019
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Landscape Architect. CMA provided site planning and landscape architecture for the design of a 24-acre district park. The park serves a new residential community in the northwestern section of the City. The park carries a nature theme celebrating the flora and fauna of the Everglades. Divided into four themed areas, the park celebrates mammals, birds, insects, and reptiles & amphibians of the Everglades. The site includes a 12-acre lake with a kayak launch, recreational trail, and fishing pier extending	[X] Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i> Miramar - Cultural Amphitheater Miramar, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Landscape Architect. CMA provided landscape architecture services for the Cultural Amphitheater located in Miramar Regional Park. CMA provided landscape and irrigation design including design development, construction documents, bidding and permitting and construction administration. Fee: \$18,000	[X] Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Brightline Florida Fort Lauderdale-Parking Garage Ft Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Landscape Architect. CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station. Civil engineering services included utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. Landscape architecture services included plans for tree disposition, landscape, and irrigation; and construction administration. Fee: \$55,000	[X] Check if project performed with current firm	
	(1) TITLE AND LOCATION <i>(City and State)</i> City Park Master Plan - Splash Pad - Continuing Professional Services Oakland Park, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Sr. Landscape Architect. Dir. Landscape Architecture. The City's Collins Central (City) Park consists of +/- 19.7 acres including several existing parks and municipal facilities. Those facilities include a community center, public works operations center and Fire Station No. 9. As part of the master planning effort led by Zyscovich Architects, the public works facility and the fire station shall be relocated in a site reconfiguration within the southern half of the site (+/- 9 acres). The master planning effort shall include a splash pad and other site amenities to promote pedestrian and overall park connectivity. Fee: \$107,000	[X] Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Stefan Bortak, RLA, ASIC, CID	13. ROLE IN THIS CONTRACT Streetscape Design	14. YEARS EXPERIENCE a. TOTAL 15      b. WITH CURRENT FIRM 9	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science / Interdisciplinary Studies		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> FL / Registered Landscape Architect	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Bortak is a certified irrigation designer - commercial for Chen Moore and Associates. He has over 15 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.			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION <i>(If applicable)</i> 2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project. The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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. Fee: \$ 235,739.98; Cost: \$4.1 million	[X] Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Doral Glades Park Doral, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION <i>(If applicable)</i> 2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA provided site planning and landscape architecture for the design of a 24-acre district park. The park serves a new residential community in the northwestern section of the City. The park carries a nature theme celebrating the flora and fauna of the Everglades. Divided into four themed areas, the park celebrates mammals, birds, insects, and reptiles & amphibians of the Everglades. The site includes a 12-acre lake with a kayak launch, recreational trail, and fishing pier extending into the lake. Fee: \$122,820; Cost: \$10.6 million	[X] Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Miramar - Cultural Amphitheater Miramar, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION <i>(If applicable)</i> 2017	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA provided landscape architecture services for the Cultural Amphitheater located in Miramar Regional Park. CMA provided landscape and irrigation design including design development, construction documents, bidding and permitting and construction administration. Fee: \$18,000	[X] Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Brightline Florida Fort Lauderdale-Parking Garage Ft Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017      CONSTRUCTION <i>(If applicable)</i> 2017	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station. Civil engineering services included utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. Landscape architecture services included plans for tree disposition, landscape, and irrigation; and construction administration. Fee: \$55,000	[X] Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Dixie Highway Improvements Wilton Manors, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014      CONSTRUCTION <i>(If applicable)</i> 2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Architect. The City of Wilton Manors retained CMA 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). 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. Fee: \$128,390	[X] Check if project performed with current firm	



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME Matthew O'Rourke	13. ROLE IN THIS CONTRACT Construction Administration	14. YEARS EXPERIENCE a. TOTAL 14      b. WITH CURRENT FIRM 2	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Chen Moore and Associates, Inc., Fort Lauderdale, FL			
16. EDUCATION <i>(Degree and Specialization)</i>		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Matthew O'Rourke is a senior construction specialist with CMA. His experience includes supervising and inspecting construction projects involving water and wastewater systems, stormwater drainage systems, and roadways. He also has performed laboratory testing of construction materials. He maintains numerous certifications in construction field inspection, sampling, testing, and quality control management.			
<b>19. RELEVANT PROJECTS</b>			
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Broward County UAZ 110/111 & 113 Water Sewer Improvements 113B (RFP No. R1356803P1) Lauderdale Lakes, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Construction Specialist. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project includes the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. All projects combined a total area of over 1000 acres within multiple cities. The existing system being replaced consists of approximately 168,100 LF of water mains, 122,100 LF of sanitary sewer mains, and 23,600 LF force main. Fee: \$ 4,357,958.51	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Emergency Bypass 48" Forcemain Fort Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Construction Specialist. CMA is responsible for the design, permitting, and construction observation of the replacement of the City of Fort Lauderdale's main transmission line going into the wastewater treatment plant. The new line consists of more than 22,000 linear feet of new pipe which will be installed via 12 horizontal directional drills (HDD) that range between 1,700 and 3,000 linear feet each to a depth of up to 70 feet. The new force main is mostly 48" HDPE pipe with some ductile iron pipe sections. The project route includes sensitive ecosystems including the crossing of South Middle River which require Benthic surveys for the subaqueous crossing, dewatering calculations, and permitting for construction within a quarter mile of contaminated areas with high-water table being close to the coastline. Fee: \$1.2 million	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> CMA 19-02 District 2 - 12" Water Main Aerial Crossin Broward County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Construction Specialist. This project includes the installation of a new 12-inch DIP water main aerial crossing along NE 36th Street over the Captain Knight Bayou Canal / South Grand Canal just west of NE 26th Avenue within the City of Lighthouse Point. The aerial crossing will be installed on 4 new square prestressed concrete batter pile supports within the canal along with associated pile caps. The aerial crossing will also include the installation of an automatic air release valve and 2 fan guards. The new 12-inch DIP water main segment will be interconnected to the existing 12-inch water main on each side of the canal along NE 36th Street. The work also includes the replacement of 5 existing water services that will be connected to the new 12-inch DIP water main. Fee: \$39,573.63	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Broward County UAZ 110/111 & 113 Water Sewer Improvements 113A (RFP No. R1356803P1), Lauderdale Lakes, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Construction Specialist. The existing water main consists of asbestos cement, cast iron, ductile iron, galvanized steel, polyvinyl chloride pipe ranging from 2" - 24" in diameter size. The sanitary sewer consists of vitrified clay, fold and form liner, cured in place liner and ductile iron pipe ranging from 8" - 15" in diameter size. The force main consists of asbestos cement, cured in place liner, ductile iron and polyvinyl chloride pipe ranging from 6" - 16" in diameter size. Fee: \$2,139,971.47	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Broward County UAZ 110/111 & 113 Water Sewer Improvements 110/111 (RFP No. R1356803P1), Lauderdale Lakes, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES ongoing      CONSTRUCTION <i>(If applicable)</i> ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Construction Specialist. The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project will include the improvements to the existing water distribution system, sanitary sewer system, and transmission systems within the project area along with the restoration of surface areas disturbed for the construction of said improvements. All projects combined a total area of over 1000 acres within multiple Cities. There are 8 Broward County lift stations in these UAZ areas and 1 private lift station which sanitary sewer systems will need to connect to. Two of these stations will need rehabilitation/replacement. The restoration of roadways, sidewalks, driveways, and landscape areas will need to be performed as needed for water and sanitary sewer improvement construction. Total Fee: \$11,171,568.83; Total Cost: \$80 million	<input checked="" type="checkbox"/> Check if project performed with current firm	

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER  1
21. TITLE AND LOCATION <i>(City and State)</i> Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements Lauderdale-by-the-Sea, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2013

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER Jaime Correa and Associates	b. POINT OF CONTACT NAME Jaime Correa	c. POINT OF CONTACT TELEPHONE NUMBER 786.412.3947
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA provided utility coordination; roadway and stormwater design; government permitting; and bidding assistance for the development of the design of streetscape and stormwater improvements to the downtown core and adjacent areas east of Bougainville Drive in the Town of Lauderdale by the Sea.

The goals of this project were to create an urban gathering place that provides beautiful vistas of the sea, provides increased shade from the intense sun and heat, enhances the pedestrian environment and safety while maintaining vehicular access to the businesses located on the street and improving vehicular circulation and parking, provides for expansion of outdoor dining areas, and pays tribute to the Town's history.

CMA used GIS to assist with utility coordination and base map preparation; assisting with the design concepts and cost estimates; recommending alternatives for paving design for the roadway and pedestrian traffic areas; prepared initial roadway alignment plan; prepared initial drainage and utility relocation plans; completed a stormwater design model; submitted for government permits; and provided bidding assistance for this project. Fee \$74,000; Cost \$1,870,000



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Subconsultant – civil engineering
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

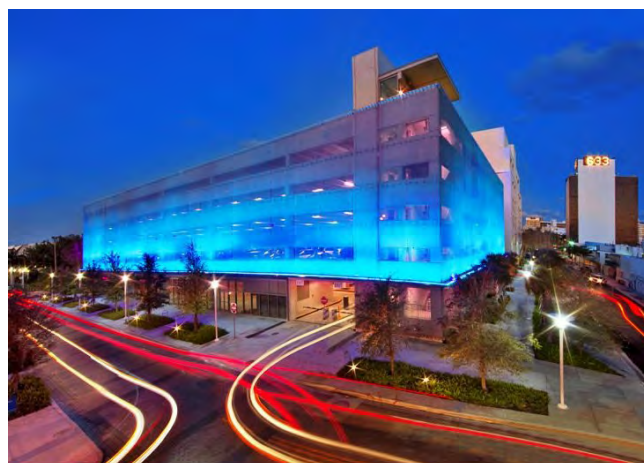
<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  2
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> City Center Right-of-Way and Utility Improvement Project Miami Beach, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2012	<b>CONSTRUCTION</b> <i>(If applicable)</i> 2012

### 23. PROJECT OWNER'S INFORMATION

<b>a. PROJECT OWNER</b> City of Miami Beach	<b>b. POINT OF CONTACT NAME</b> Maria Hernandez	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 305.673.7071
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### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CMA was 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-inchwater 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.



As part of the proposed stormwater and drainage services, extensive analysis was conducted utilizing ICPR Modeling and GIS to meet or exceed required stormwater Level of Services standards. ICPR Modeling was utilized for the design and permitting of 14 drainage gravity wells. 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 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. Fee: \$3,611,340; Cost: \$21.2 million

### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – civil engineering
<b>b.</b>	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - surveying
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  3
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Margate Boulevard Design and Construction Services Margate, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2007	<b>CONSTRUCTION</b> <i>(If applicable)</i> 2008

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> Margate Community Redevelopment Agency	<b>b. POINT OF CONTACT NAME</b> Kim Vazquez	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.935.5324
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA was contracted by the City of Margate CRA for design and construction services for the Margate Boulevard Streetscape Improvement Project. The project replaced a 4-way stop intersection with a roundabout and included traffic analysis, roadway design, drainage design, specialized soil analysis, electrical design for specialized lights, landscaping, brick paver sidewalks and structural components of a large clock tower that was installed in the center of the roundabout.

The addition of the roadway and pedestrian scale lighting was extensive. In addition to providing FDOT standard roadway lighting, the decorative fixtures met the aesthetic and safety needs of the CRA. The lighting was designed with a variety of step-down transformers for the underground electrical and low voltage landscape lighting, in the end involving three separate service points coordinated with FPL.

During construction, the CRA also contracted Chen Moore and Associates to perform the design, permitting and construction administration for streetscape of a road adjacent to the project area. The survey, design and permitting were completed in less than 3 months to allow the CRA to retain the same contractor for the project construction. Fee: \$412,000; Cost: \$3.9 million



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – civil engineering
<b>b.</b>	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - surveying
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  4
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Downtown Coral Springs Streetscaping Coral Springs, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2014	<b>CONSTRUCTION</b> <i>(If applicable)</i> 2015

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Coral Springs	<b>b. POINT OF CONTACT NAME</b> Danielle Lima	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.344.1165
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA was 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 provided civil engineering, landscape architecture, environmental permitting, and construction engineering and inspection services for the project.

The project included implementing Complete Street concepts for NW 31st Court, NW 94th Avenue, and NW 32nd Street. Additionally, CMA implemented 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 improves the walkable nature of Downtown Coral Springs, while tying together various aesthetic elements in advance of the City Hall project sited adjacent to the projects. Fee: \$ 235,739.98; Cost: \$4.1 million



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – civil engineering and landscape architecture
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  5
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Doral Glades Park Doral, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2017	<b>CONSTRUCTION</b> <i>(If applicable)</i> 2019

### 23. PROJECT OWNER'S INFORMATION

<b>a. PROJECT OWNER</b> CPZ Architects, Inc.(project client)	<b>b. POINT OF CONTACT NAME</b> Chris Zimmerman	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.792.8525
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### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CMA provided site planning and landscape architecture for the design of a 24-acre district park. The park serves a new residential community in the northwestern section of the City. The park carries a nature theme celebrating the flora and fauna of the Everglades. Divided into four themed areas, the park celebrates mammals, birds, insects, and reptiles & amphibians of the Everglades. The site includes a 12-acre lake with a kayak launch, recreational trail, and fishing pier extending into the lake.

The parks program includes the following elements:

- Themed Playground (2-5 & 5-12 Age Groups)
- Tennis/Pickle Ball Courts
- Basketball Courts
- Sand Volleyball Courts
- Multi-Use Fields
- Fitness Trail
- Recreational Trail
- Picnic Pavilions
- Amphitheater
- Outdoor Plazas
- Kayak Rentals
- Community Center
- Restrooms
- Parking
- Sports Lighting



CMA served as a subconsultant to CPZ Architects and provided design (landscape, hardscape, irrigation, and lighting), permitting, and construction administration services for the Project. The site was designed to meet Green Globes criteria and includes extensive use of native plant materials and high efficiency irrigation.

This project obtained the Florida Water Star Certification becoming the first park, city or otherwise, to achieve this certification in the State of Florida. In addition to receiving the Florida Water Star Certification, Doral Glades Park was also the recipient of Two Green Globes from the Green Building Initiative (GBI) for resource efficiency and reduction of environmental impacts, as well as, an honorable mention for the 2019 Green Globes Project of the Year. Fee: \$122,820; Cost: \$10.6 million

### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Miami, FL	(3) ROLE Subconsultant – landscape architecture
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  6
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Miramar - Cultural Amphitheater Miramar, FL	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> CPZ Architects, Inc.(project client)	<b>b. POINT OF CONTACT NAME</b> Chris Zimmerman	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.792.8525
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA provided landscape architecture services for the Cultural Amphitheater located in Miramar Regional Park.

CMA provided landscape and irrigation design including design development, construction documents, bidding and permitting and construction administration. Fee: \$18,000



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> West Palm Beach, FL	(3) ROLE Subconsultant – landscape architecture
<b>a.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  7
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Brightline Florida Fort Lauderdale-Parking Garage Fort Lauderdale, FL	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> Virgin/Brightline	<b>b. POINT OF CONTACT NAME</b> Brett Porak	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.524.5678
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA provided civil engineering and landscape architecture services on the parking garage adjacent to the Brightline station in Fort Lauderdale, Florida. The site of the 614 parking space six story parking garage is adjacent to future transit oriented development and the Fort Lauderdale Brightline Station.

The civil engineering services CMA was responsible for include utility coordination and schematic design, preliminary and final engineering, government permitting, bidding assistance and construction services. The landscape architecture work CMA was responsible for includes plans for tree disposition, landscape, and irrigation; and construction administration. Fee: \$55,000



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Subconsultant – civil engineering and landscape architecture
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  8
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> City Park Master Plan - Splash Pad - Continuing Professional Services Contract RFQ 052419 - WA 2019-CMA-EBS-Splashpad Oakland Park, FL	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES ongoing	CONSTRUCTION <i>(If applicable)</i> ongoing

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> City of Oakland Park	<b>b. POINT OF CONTACT NAME</b> Sierra Marrero	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.630.4481

<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(Include scope, size, and cost)</i>
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The City's Collins Central (City) Park consists of +/- 19.7 acres including several existing parks and municipal facilities. Those facilities include a community center, public works operations center and Fire Station No. 9. As part of the master planning effort led by Zyscovich Architects, the public works facility and the fire station shall be relocated in a site reconfiguration within the southern half of the site (+/- 9 acres). The master planning effort shall include a splash pad and other site amenities to promote pedestrian and overall park connectivity.

The City of Oakland Park has asked for a proposal to prepare three (3) concepts for the splash pad component of the project. The concepts will be presented to municipal officials, the master planning team and the public for input. Upon receiving input, the CMA team shall provide civil engineering and landscape architecture services to prepare final plans and specifications for the splash pad, noting that the exact location will shift based on the development of the master plan efforts for City Park. Fee: \$107,000



<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
a.	(1) FIRM NAME Pan Geo Consultants, LLC	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL, FL	(3) ROLE Prime – civil engineering and landscape architecture
	(1) FIRM NAME Pan Geo Consultants, LLC	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL, FL	(3) ROLE Subconsultant - geotechnical engineering
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  9
<b>21. TITLE AND LOCATION (City and State)</b> Dixie Highway Improvements Wilton Manors, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2014	<b>CONSTRUCTION (If applicable)</b> 2014

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Wilton Manors	<b>b. POINT OF CONTACT NAME</b> David Archacki	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.390.2190
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)**

The City of Wilton Manors retained CMA 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 parking. Fee: \$128,390

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Prime – civil engineering and landscape architecture
<b>b.</b>	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION (City and State) Davie, FL	(3) ROLE Subconsultant - surveying
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

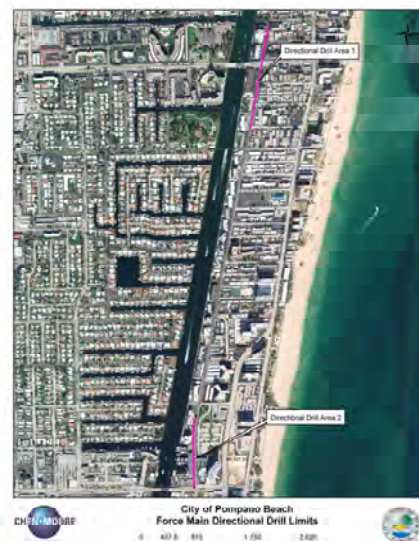
<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  10		
<b>21. TITLE AND LOCATION (City and State)</b> South Riverside Drive Stormwater Improvements (RFQ E-21-19) Pompano Beach, FL	<b>22. YEAR COMPLETED</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES ongoing</td> <td style="width: 50%;">CONSTRUCTION (If applicable) ongoing</td> </tr> </table>		PROFESSIONAL SERVICES ongoing	CONSTRUCTION (If applicable) ongoing
PROFESSIONAL SERVICES ongoing	CONSTRUCTION (If applicable) ongoing			

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Pompano Beach	<b>b. POINT OF CONTACT NAME</b> Anthony Alhashemi	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.786.4061
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)**

Based on the City's Stormwater Master Plan, this project area was identified as priority drainage basin in need of stormwater system improvements based on the historical flooding problems observed by City staff, the flooding complaints received from residents, and the results from the existing conditions stormwater model. The project area includes South Riverside Drive between SE 10th Street and East Atlantic Boulevard and SE 10th Street between South Riverside Drive and South Ocean Drive. This project area consists of primarily residential properties with a limited existing drainage system serving the public right of way area for South Riverside Drive. The existing drainage system within the project area consists of seven independent drainage outfalls that discharge stormwater runoff from the public right of way areas into the Intracoastal Waterway. In order to alleviate the existing flooding problems within the project area, stormwater improvements need to be implemented to enhance the performance of the existing stormwater management system within the project area. The project area typically experiences significant flooding within public right of way area during heavy rainfall events due to the very low ground surface elevations throughout the project area. The ground surface elevation along the centerline of South Riverside Drive is as low as +1.3 feet NAVD at some locations. Due to the very low ground surface elevation within the project area, the discharge capacity of the existing stormwater outfalls from the project area is limited by the tidal influence of the Intracoastal Waterway.



The primary purpose of this stormwater improvement project is to reduce the flooding depth and duration within the project area during significant storm events. CMA shall assess the feasibility, the constructability, the regulatory permit restrictions, the cost impacts, and the flood reduction effectiveness of various potential improvement alternative within the project area. CMA will develop construction documents for the implementation of the recommended stormwater improvements within the project area, which include but are not limited to the following options:

- Install new stormwater pump station(s)
- Install new pumped drainage well(s)
- Replace existing stormwater outfalls with larger diameters
- Interconnect existing independent outfalls
- Raise low lying roadway segments within the public right of way
- Restore roadway swale areas Fee: \$272,645

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Prime – civil engineering
<b>b.</b>	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION (City and State) Davie, FL	(3) ROLE Subconsultant - surveying
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

11

21. TITLE AND LOCATION *(City and State)*

Oriole Park Redevelopment with the City of Margate - PO 200798  
Margate, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2021

CONSTRUCTION *(If applicable)*  
2021

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  
City of Margate

b. POINT OF CONTACT NAME  
Michael Jones

c. POINT OF CONTACT TELEPHONE NUMBER  
954.972.6458

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CMA is providing design, permitting, and construction administration for the redevelopment of Oriole Park located at 7055 N.W. 1st Street, Margate, FL 33063. The facility is owned and operated by the City of Margate. Fee: \$175,735



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime – landscape architecture
b.	(1) FIRM NAME Stoner and Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant - surveying
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

12

21. TITLE AND LOCATION *(City and State)*

Lincoln Road Master Plan  
Miami Beach, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES  
2016

CONSTRUCTION *(If applicable)*  
N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER

City of Miami Beach

b. POINT OF CONTACT NAME

James Corner

c. POINT OF CONTACT TELEPHONE NUMBER

212.433.1450

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

CMA was the local subconsultant to James Corner Field Operations (JCFO), the designers of New York City's famed High Line, in the development of a Master Plan for the Lincoln Road Mall Historic District in Miami Beach. Lincoln Road Mall is America's first pedestrian mall designed in the 1960's by Morris Lapidus. Today, Lincoln Road Mall receives an average of 10,000 visitors per day and is a major tourist destination geared towards pedestrians. CMA provided local planning expertise and civil engineering to support the efforts of JCFO's development of the Master Plan. Additionally, CMA provided support through the entire public process including Public Workshops, Workshops with Building Owners and Tenants, and Workshops with City Staff and Commissioners.

CMA provided JCFO with local design support for the implementation of the plan for landscape, hardscape and irrigation component of the project. Fee: \$25,000



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Miami, FL	(3) ROLE Subconsultant – landscape architecture
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  13
<b>21. TITLE AND LOCATION (City and State)</b> Avondale Stormwater Improvements Pompano Beach, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2019	<b>CONSTRUCTION (If applicable)</b> 2019

### 23. PROJECT OWNER'S INFORMATION

<b>a. PROJECT OWNER</b> City of Pompano Beach	<b>b. POINT OF CONTACT NAME</b> Mike Taylor	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 954.786.4724
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### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The primary purpose of the Avondale Stormwater Improvement Project is to reduce the flooding depth and duration within the neighborhood during significant storm events. Based on our analysis of the various system improvement alternatives during the Stormwater Master Plan, the implementation of a stormwater pumping system into the SFWMD G16 Canal would be the most effective option for reducing the peak flood stage and reducing the flood duration within the Avondale Neighborhood by increasing the discharge rate via the existing outfalls when the canal levels are elevated. Stormwater improvements within the Avondale neighborhood will encounter limitations due to the regulatory requirements on the stormwater discharges via the system outfalls. Since this neighborhood discharges into the SFWMD G-16 Canal, which is currently listed as an impaired water body by the Florida Department of Environmental Protection, the level of water quality improvements is critical to enable the potential implementation of a new stormwater improvements within the Avondale neighborhood.

CMA completed a Preliminary Design Report for the Avondale neighborhood to assess the feasibility, the regulatory permit restrictions, the cost impacts, and the flood reduction effectiveness of each potential improvement alternative within the neighborhood. CMA prepared a Preliminary Design Report which outlined the impacts of the potential stormwater improvement alternatives and presents the recommended stormwater improvements within the Avondale neighborhood. Within the Stormwater Master Plan, the recommended stormwater improvements for the Avondale neighborhood include the construction of a new stormwater pump station, which pumps into potential dry retention area(s) throughout the study area before overflowing into the SFWMD G16 Canal along with local stormwater improvements throughout the public right-of-way areas in the neighborhood. The Preliminary Design Report includes a feasibility assessment of various potential system improvement alternatives, which include:

- Stormwater pump station with direct discharge into SFWMD G16 Canal
- Stormwater pump station with direct discharge into Avondale Park
- System connection for portable stormwater pump for emergency bypass pumping into SFWMD G16 Canal
- Upsize existing 18-inch outfall at SW 1st Street
- Upsize existing 15-inch outfall at SW 3rd Avenue
- Interconnection of 3 existing outfalls with new drainage piping
- Installation of backflow prevention at 3 existing outfalls
- New dry retention areas in Avondale Park
- New dry retention area at west end of SW 2nd Street
- New dry retention area along north side of SW 1st Street
- Deeper swale areas throughout the neighborhood right of way areas
- Underground stormwater storage system in Avondale Park
- Limited exfiltration trench
- Raise elevation of existing neighborhood roadways
- Purchase private property for dry retention purposes Fee: \$285,025



### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

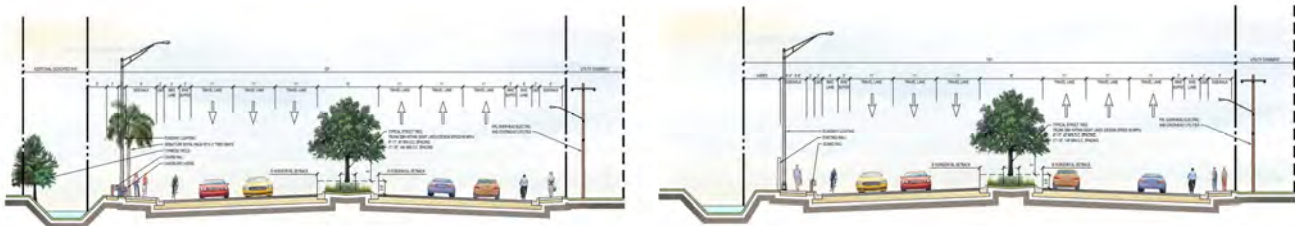
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>a.</b>	Chen Moore and Associates	Fort Lauderdale, FL	Prime – civil engineering and landscape architecture
<b>b.</b>	Stoner and Associates, Inc.	Davie, FL	Subconsultant - surveying
<b>c.</b>			
<b>d.</b>			
<b>e.</b>			
<b>f.</b>			

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>  14
<b>21. TITLE AND LOCATION (City and State)</b> Wiles Road Phase 3 Design Services Coral Springs, FL	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> ongoing	<b>CONSTRUCTION (If applicable)</b> N/A

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b> Broward County	<b>b. POINT OF CONTACT NAME</b> Marwan Mufleh	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 561.330.2345

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

CMA is providing landscape architecture services as a subconsultant to Kimley Horn and Associates for the third phase of the widening of Wiles Road between Riverside Drive and University Drive in Coral Springs. CMA's scope of work includes landscape and irrigation design. CMA is also preparing public outreach documents to coordinate landscape impacts and improvements with abutting residential neighborhoods, commercial properties and government permitting agencies. Fee: \$52,026.32



<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>a.</b>	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Subconsultant – landscape architecture
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE





**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Daniel Davila, P.E.	Project Manager										
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	Principal-in-Charge		X	X	X						
Cristobal Betancourt, RLA, AICP	Deputy Project Manager	X	X		X	X	X	X	X	X	
Jose L. Acosta, P.E., F.ASCE	QA/QC	X	X		X			X	X		
Suzanne Dombrowski, P.E., ENV SP	Civil Engineering		X	X							
Patrick Kaimrajh, P.E.	Civil Engineering	X	X		X			X	X		
Jason McClair, P.E., CFM, LEED AP	Stormwater Engineer	X	X		X					X	X
Jennifer Smith, P.E.	Stormwater Engineer		X		X					X	X
Eric Harrison, RLA	Parks Design				X	X	X	X	X		
Stefan Bortak, RLA, ASIC, CID	Streetscape Design				X	X	X	X		X	
Matthew O'Rourke	Construction Administration										

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (From Section F)	NO.	TITLE OF EXAMPLE PROJECT (From Section F)
1	Lauderdale-by-the-Sea E. Commercial Blvd Streetscape & Drainage Improvements	6	Miramar - Cultural Amphitheater
2	City Center Right-of-Way and Utility Improvement Project	7	Brightline Florida Fort Lauderdale-Parking Garage
3	Margate Boulevard Design and Construction Services	8	City Park Master Plan - Splash Pad - Continuing Professional Services Contract RFQ 052419 - WA
4	Downtown Coral Springs Streetscaping	9	Dixie Highway Improvements
5	Doral Glades Park	10	South Riverside Drive Stormwater Improvements (RFQ E-21-19)

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		11	12	13	14	15	16	17	18	19	20
Daniel Davila, P.E.	Project Manager										
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP	Principal-in-Charge			X							
Cristobal Betancourt, RLA, AICP	Deputy Project Manager	X	X	X	X	X					
Jose L. Acosta, P.E., F.ASCE	QA/QC										
Suzanne Dombrowski, P.E., ENV SP	Civil Engineering										
Patrick Kaimrajh, P.E.	Civil Engineering										
Jason McClair, P.E., CFM, LEED AP	Stormwater Engineer	X		X		X					
Jennifer Smith, P.E.	Stormwater Engineer			X							
Eric Harrison, RLA	Parks Design	X	X	X	X						
Stefan Bortak, RLA, ASIC, CID	Streetscape Design		X		X	X					
Matthew O'Rourke	Construction Administration										

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (From Section F)	NO.	TITLE OF EXAMPLE PROJECT (From Section F)
11	Oriole Park Redevelopment with the City of Margate - PO 200798	16	
12	Lincoln Road Master Plan	77	
13	Avondale Stormwater Improvements	18	
14	Wiles Road Phase 3 Design Services	19	
15	Banks Road Landscape Medians - City of Margate - RFQ 2018-009 - PO 181051	20	



## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Founded in 1986, Chen Moore and Associates (CMA) specializes in civil engineering, water resources, water and sewer, landscape architecture, transportation, planning, irrigation, environmental and construction engineering services. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients. The firm has its headquarters in Fort Lauderdale, FL. CMA has regional offices in Miami, West Palm Beach, and Orlando (Maitland). CMA has project offices in Sarasota, Gainesville, Tampa and Jacksonville.

At CMA, we best describe ourselves, our approach, and our priorities with these five words: Leadership, Excellence, Philanthropy, Community and Culture. CMA embraces the history and legacy of the firm set by Dr. Ben Chen, P.E. and is empowered by the vision set by its leadership team, led by President Peter M. Moore, P.E., F. ASCE, LEED AP, ENV SP. The firm continues to grow by striving for excellence in design, innovation, project management, and quality.

CMA continues to be focused on community through its commitment to philanthropy at all levels of the firm. Every office utilizes time and treasure to attend, contribute and lead in community and profession-related events throughout CMA's geographic reach. The CMA Family culture is about quality and excellence in our professional work, while contributing as a leader in our community in a fun working environment.

Our services include the following:

- Infrastructure Master Planning
- Pump Station Design and Rehabilitation
- Water Supply, Treatment and Distribution Design
- Stormwater Management System Design and Master Plans
- Environmental Engineering
- Roadway Design and Streetscape
- Traffic Calming Design
- Circulation & Roundabout Design
- Government Permitting
- Land Development
- Site Development
- Site Planning
- Landscape Architecture
- Hardscape Design
- Irrigation Design
- Park Design
- Greenway & Trails Design
- Pedestrian & Bicycle Pathway Design
- Habitat Restoration
- Wayfinding
- GIS Analysis and Mapping
- Project and Program Management
- Sustainable Design and LEED Solutions
- Value Engineering
- Utility Rate and Infrastructure Valuation Studies
- Resident Coordination and Stakeholder Meetings



### I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

2/2/2021

33. NAME AND TITLE

Peter Moore, P.E., F. ASCE, ENV SP, LEED AP, President

1. SOLICITATION NUMBER (If any)  
No. 2021-02

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME Chen Moore and Associates, Inc.			3. YEAR ESTABLISHED 1986	4. UNIQUE ENTITY IDENTIFIER 859459547
2b. STREET 500 W. Cypress Creek Rd., Suite 630			5. OWNERSHIP	
2c. CITY Fort Lauderdale			2d. STATE FL	2e. ZIP CODE 33309
6a. POINT OF CONTACT NAME AND TITLE Peter Moore, PE, LEED AP, F.ASCE, President and CEO			a. TYPE Corporation	
6b. TELEPHONE NUMBER 954.730.0707 x1002			b. SMALL BUSINESS STATUS No (note: CMA is an SBE at the federal level)	
6c. E-MAIL ADDRESS pmoore@chenmoore.com			7. NAME OF FIRM (If block 2a is a branch office)	
8a. FORMER FIRM NAME(S) (If any) Chen and Associates Consulting Engineers, Inc.			8b. YEAR ESTABLISHED 1986	8c. UNIQUE ENTITY IDENTIFIER 859459547

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM      (2) BRANCH
02	Administrative	10      8
08	CADD Technician	10      6
12	Civil Engineer	35      16
15	Construction Inspector	5      4
16	Construction Manager	2      1
39	Landscape Architect	11      0
47	Planners (our planners are also registered landscape architects)	2      0
	Other Employees	73      35

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
C10	Commercial Building; (low rise); Shopping	1
C15	Construction Management	1
C18	Cost Estimating; Cost Engineering and	2
E02	Education Facilities; Classrooms	2
E09	Environmental Impact Studies,	1
G04	GIS development, analysis, data	2
H07	Highways; Streets; Airfield; Parking	2
L03	Landscape Architecture	4
P05	Planning (Community, Regional)	2
P06	Planning (Site, Installation)	2
P13	Public Safety Facilities	2
R04	Recreation Facilities (Parks, etc.)	2
R06	Rehab. (Buildings, Structures)	3
R11	Rivers Canals; Waterways; Flood Control	1
S04	Sewage Collection & Treatment	4
S11	Sustainable Design	1
S13	Stormwater Handling & Facilities	4
T02	Testing & Inspection Services	4
T03	Traffic & Transportation	2
V01	Value Analysis; Life-Cycle Costing	1
W03	Water Supply, Treatment, Distrib.	4


**11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS**  
(Insert revenue index number shown at right)

a. Federal Work	2
b. Non-Federal Work	8
<b>c. Total Work</b>	<b>8</b>

## PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

*The foregoing is a statement of facts.*

a. SIGNATURE	b. DATE
	2/2/2021
c. NAME AND TITLE	
Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President	

PanGeo Consultants, LLC





**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Paul C. Catledge, P.E.	Geotechnical Engineer	a. TOTAL 17	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION <i>(City and State)</i> Pan Geo Consultants, LLC 8258 West State Rd 84 Davie, FL			
16. EDUCATION <i>(Degree and Specialization)</i>  Louisiana State University, Baton Rouge, L.A. Bachelor of Science / Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Professional Engineer - Florida #68448	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>  ASCE, FES, FES Broward County Technical Award 2014			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Ft. Lauderdale Water Mains Phases 1-4, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2018
<b>a.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer. Conducted testing and produced a geotechnical report for new force mains to be installed via directional drilling at S.W. 7th Ave., S.W. 2nd St., Sistrunk Blvd., N.W. 9th Ave., Fort Lauderdale, FL. Fee: \$7,900		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
FIU - SIPA II Miami, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
<b>b.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer. Conducted testing and produced a geotechnical report for the construction of a proposed new five to six story School of International and Public Affairs ("SIPA") II building with a footprint of approximately 23,000 sq. ft. on the FIU Campus, Miami, FL. Fee: \$9,850.00		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Joint Government Center Campus Project, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i>
<b>c.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer. Conducted testing and produced a geotechnical report for the construction of a new proposed state of the art Joint Government Center Campus intended to replace the existing Broward County Governmental Center East and Fort Lauderdale City Hall. Fee: \$13,785.14		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
New Redundant Bypass Line, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i>
<b>d.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer. Conducted testing and produced a geotechnical report for the new sewage line installed via directional drilling and open cut along Bayview Dr. and N.E. 15th Ave., Fort Lauderdale, FL. Fee: \$19,150.00		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Waste Management Deerfield C&D, Deerfield Beach, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> Ongoing
<b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer. Conducted testing and produced a geotechnical report for the development of a new processing canopy. Fee: \$7,965.00		

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1		
21. TITLE AND LOCATION <i>(City and State)</i> Ft. Lauderdale Water Mains Phases 1-4, Fort Lauderdale, FL	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2017</td> <td>CONSTRUCTION <i>(If applicable)</i> 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2018
PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2018			

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Fort Lauderdale, FL	b. POINT OF CONTACT NAME Daniel Davila, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (772) 361-9759
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Pan Geo Consultants, LLC served as the Geotechnical Engineer on this project. This project called for a new sewage line installed via directional drilling and open cut. Upon completion of Standard Penetration Test borings in general accordance with ASTM D-1586 specifications to 80 feet and the completion of on-site work, the soil samples were reviewed and a geotechnical engineering report provided, including a description of the findings and general site preparation recommendations for support of the proposed construction.

Fee: \$7,900

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime Contractor
b.	(1) FIRM NAME Pan Geo Consultants, LLC	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant / Geotechnical Engineering
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>2</b>		
21. TITLE AND LOCATION <i>(City and State)</i> <b>FIU - SIPA II</b>	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2019</td> <td>CONSTRUCTION <i>(If applicable)</i> Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> Ongoing
PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> Ongoing			

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Florida International University</b>	b. POINT OF CONTACT NAME <b>Celi Ervesun</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(305) 951-9005</b>
-------------------------------------------------------------	-------------------------------------------------	---------------------------------------------------------------

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Pan Geo Consultants, LLC served as the Geotechnical Engineer for this project that called for the construction of a new six story School of International and Public Affairs ("SIPA") II building with a footprint of approximately 23,000 sq. ft. The proposed location is adjacent to the original SIPA building, which was constructed partially over a backfilled pond. The SIPA II footprint is proposed to be located to the west of the existing SIPA, over the remainder of the pond. Upon completion of Standard Penetration Test borings in general accordance with ASTM D-1586 specifications to depths of twenty five to fifty feet below prevailing grade, two auger borings within the pond, one test pit excavation and two exfiltration tests to fifteen feet in general accordance with South Florida Water Management District specifications, a report was delivered with recommendations for site preparation to support the proposed construction.

Fee: \$9,850.00

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME <b>Pan Geo Consultants, LLC</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Davie, FL</b>	(3) ROLE <b>Subconsultant / Geotechnical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>3</b>		
21. TITLE AND LOCATION <i>(City and State)</i> Joint Government Center Campus Project, Fort Lauderdale, FL	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2020</td> <td>CONSTRUCTION <i>(If applicable)</i> Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i> Ongoing
PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i> Ongoing			

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Fort Lauderdale, Broward County	b. POINT OF CONTACT NAME Bernard Zyscovich	c. POINT OF CONTACT TELEPHONE NUMBER (305) 372-5222
-------------------------------------------------------------	-----------------------------------------------	--------------------------------------------------------

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Pan Geo Consultants, LLC served as the Geotechnical Engineer on this project. This project called for the design and construction of a new 28 story state of the art Joint Government Center Campus to include a new bus transit terminal, a maintenance facility and administration offices for Broward County's Transportation Department, a multi-story parking garage, future office space, retail areas and other amenities. The Campus is anticipated to include a multi-story Class "A" office building or a series of buildings of approximately 700,000 sq. ft. inclusive of approximately 150,000 sq. ft. for City use in addition to the parking garage and bus terminal.

Fee: \$13,785.14

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Subconsultant / Civil Engineering
b.	(1) FIRM NAME Pan Geo Consultants, LLC	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant / Geotechnical Engineering
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>4</b>
21. TITLE AND LOCATION <i>(City and State)</i> New Redundant Bypass Line, Fort Lauderdale, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES 2020      CONSTRUCTION <i>(If applicable)</i> Ongoing	

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Daniel Davila, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER (772) 361-9759
---------------------------------------------	-------------------------------------------------	--------------------------------------------------------

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Pan Geo Consultants, LLC served as the Geotechnical Engineer on this project, that called for the installation of a new sewage line. The sewage line was installed via directional drilling and open cut. Upon completion of Standard Penetration Test borings in general accordance with ASTM D-1586 specifications to depths of 80 ft., and at the completion of the on-site work, an engineering report including a description of findings and general site preparation recommendations for support of the proposed construction was provided.

Fee: \$19,150.00

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Chen Moore and Associates	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, FL	(3) ROLE Prime Contractor
b.	(1) FIRM NAME Pan Geo Consultants, LLC	(2) FIRM LOCATION <i>(City and State)</i> Davie, FL	(3) ROLE Subconsultant / Geotechnical Engineering
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>5</b>		
21. TITLE AND LOCATION <i>(City and State)</i> <b>Waste Management Deerfield C&amp;D, Deerfield Beach, FL</b>	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2019</td> <td>CONSTRUCTION <i>(If applicable)</i> Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> Ongoing
PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> Ongoing			

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Waste Management</b>	b. POINT OF CONTACT NAME <b>Luke DeBock</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(954) 648-8626</b>
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Pan Geo Consultants, LLC served as the Geotechnical Engineer on this project. The project called for the development of a new processing canopy with a clear span of approximately 390 ft. Adjacent to the project site is an excavated lake/former quarry. Upon completion of Standard Penetration Test borings to depths of fifty feet in general accordance with ASTM D-1586. Two double ring infiltration tests in general accordance with ASTM 3385 were also completed and an engineering report including a description of findings and general site preparation and design recommendations for support of the proposed construction was provided. The geotechnical exploration revealed uncontrolled fill in the soil profile. Test pit excavations were recommended in order to better understand the makeup of the fill materials.

Fee: \$7,965.00

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME <b>Pan Geo Consultants, LLC</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Davie, FL</b>	(3) ROLE <b>Subconsultant / Geotechnical Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



[illegible]

## 29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	Ft. Lauderdale Water Mains Phases 1-4	6	
2	FIU - SIPA II	7	
3	Joint Government Center Campus Project	8	
4	New Redundant Bypass Line	9	
5	Waste Management Deerfield C&D	10	

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## H. ADDITIONAL INFORMATION

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30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

With 17 years of experience in the field of geotechnical and structural engineering, Pan Geo Consultants, LLC is a Fort Lauderdale based consulting firm founded by Paul C. Catledge, P.E. and Angelina López Catledge, BLA, M.S. with a commitment to providing responsive, innovative, and cost effective solutions.

Pan Geo Consultants, LLC specializes in the field of geotechnical engineering with a focus on the South Florida region. Our vast experience allows us to more effectively prescribe field studies from which our clients may anticipate and mitigate potential subsurface issues early in the project timeline, thereby avoiding time and cost overruns.

Our team can carry projects from concept to completion, from preliminary site feasibility and due diligence studies, to detailed geotechnical studies, and forensic studies of existing facilities. Our services include subsurface exploration, foundation design, slope stability, retaining structure design, forensic analysis, and peer review.

Pan Geo Consultants, LLC also offers construction phase inspections of pile installation, groundwork modification and chemical grouting procedures, quality control and quality assurance testing of construction materials, and structural inspections to verify methods of construction comply with the contract documents.

We have had the opportunity to serve many diverse types of clients and projects, both public and private including:

- Mid to High Rise Condominiums
- Hotels, Office Towers, Residential Communities
- Healthcare Facilities
- High End Residential
- Transportation (Airports, Seaports, Parking Garages, Roadways, Bridges)
- Water and Wastewater Treatment Plants
- Drainage Facilities, Water Mains
- Sewers
- Educational (K-12, Higher Education)
- Shopping Centers
- Auditoriums and Churches

Pan Geo Consultants, LLC takes an innovative approach to all of our projects to provide the owner's design team with the best alternatives possible regardless of what the site conditions may be.

Pan Geo Consultants, LLC is a certified County Business Enterprise and Small Business Enterprise in Broward County.

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## I. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

31. SIGNATURE



32. DATE

1/25/2021

33. NAME AND TITLE

Paul C. Catledge, P.E. / Principal

1. SOLICITATION NUMBER (If any)

RFQ MCRA No. 2021-02

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)


2a. FIRM (or Branch Office) NAME Pan Geo Consultants, LLC			3. YEAR ESTABLISHED 2017		4. UNIQUE ENTITY IDENTIFIER 077015008	
2b. STREET 8258 West State Rd 84			5. OWNERSHIP a. TYPE LLC b. SMALL BUSINESS STATUS Small Business less than \$15M 7. NAME OF FIRM (If Block 2a is a Branch Office)			
2c. CITY Davie		2d. STATE FL				
6a. POINT OF CONTACT NAME AND TITLE Paul Catledge, P.E. - Principal						
6b. TELEPHONE NUMBER 954 200 4019		6c. E-MAIL ADDRESS paulc@pangeoconsult.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER	

[illegible]

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	2	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	2	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE		b. DATE	1/25/2021
c. NAME AND TITLE			
Paul Catledge, P.E. - Principal			

# E Sciences





# E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

<b>12. NAME</b> Nadia G. Locke, PE, LEED AP	<b>13. ROLE IN THIS CONTRACT</b> QA/QC / Senior Engineer	<b>14. YEARS EXPERIENCE</b> a. TOTAL 32      b. WITH CURRENT FIRM 18	
------------------------------------------------	-------------------------------------------------------------	-------------------------------------------------------------------------	--

<b>15. FIRM NAME AND LOCATION</b> (City and State) <b>E Sciences, Incorporated, Fort Lauderdale, Florida</b>
-----------------------------------------------------------------------------------------------------------------

<b>16. EDUCATION</b> (DEGREE AND SPECIALIZATION) B.S., Materials Science and Engineering	<b>17. CURRENT PROFESSIONAL REGISTRATION</b> (STATE AND DISCIPLINE) Professional Engineer: FL-58676
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**18. OTHER PROFESSIONAL QUALIFICATIONS** (Publications, Organizations, Training, Awards, etc.)  
LEED AP Neighborhood Development; Certified FDEP Stormwater, Erosion and Sedimentation Control Inspector #3263 and Instructor #130  
OSHA 40 Hour HAZWOPER / 8 Hour Site Supervisor; NAUI/PADI Advanced Open Water Diver. Memberships: National Council of Engineers  
Examiners; Florida Brownfields Association; Florida Bar Environmental Law and Land Use Section; Smart Growth Partnership

## 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Continuing Contract for General Environmental Services, City of Fort Lauderdale, Broward County, Florida</b>	2011 – Ongoing	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Locke serves as the contract manager for the consulting contract to conduct miscellaneous environmental services for the City of Fort Lauderdale. Services conducted include emergency response to contamination identification during construction of a fire station; environmental reviews to comply with U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant requirements; Phase I and Phase II Environmental Site Assessments (ESAs); Opinion of post landfill closure costs; contamination assessment and remediation design; asbestos and indoor air quality surveys; development of construction documents for working in contaminated areas; endangered species surveys, permitting and relocation; benthic surveys, NPDES (stormwater permit) support; and grant support. <i>Contract Budget/Fees: \$593,822</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Shenandoah Neighborhood Replacement of Water Mains and Service Conversions, WASD, City of Miami, Miami-Dade County, Florida</b>	2015 – 2016	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE E Sciences provided environmental support for the design-build team for this project. Environmental services included a review of contamination and testing soil and groundwater impacts, tree conflict surveys, stormwater pollution plan development and permitting assistance. Ms. Locke provided leadership and technical oversight. <i>Project Budget/Fees: \$30,000</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Miami-Dade WASD Ocean Outfall Legislation Large Diameter Pipeline Environmental Services, Miami-Dade County, Florida</b>	2018	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE In 2008, the Florida Legislature approved a law regulating ocean wastewater outfalls. The goal of this ocean outfall legislation (OOL) was to reduce nutrient discharges by 2018 and discontinue the use of the outfalls by 2025. E Sciences was a subconsultant to provide environmental support services to an engineering firm engaged by Miami-Dade County to design a new section of pipeline in anticipation of meeting the OOL criteria for this corridor. The corridor begins on SW 137th Avenue near 176th, Street, travels south to SW 200th Street, east on SW 200th Street to SW 134th Avenue, and south on SW 134th Avenue ending near SW 208th Street. The Site includes a six-lane roadway on the northern portion of SW 137th Avenue from SW 176th Street to south of SW 184th Street and the remaining Site includes a two-lane roadway. E Sciences performed a Phase I Environmental Site Assessment (ESA) for the corridor to identify potentially contaminated sites that would impact construction. E Sciences also conducted a tree inventory to identify regulated trees that would require permits for removal. Finally, E Sciences delineated wetlands along the corridor to inform the design team of permits that may be required. Ms. Locke was the project manager of the environmental services provided. <i>Project Budget/Fees: \$19,309</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Beach Corridor Rapid Transit Project, Miami-Dade County, Florida</b>	5/2017 – Ongoing	N/A
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Ms. Locke is the project manager for the environmental documentation to satisfy the NEPA requirements for federal funding. This project is an approximately 13-mile corridor that extends from the Miami Design District to Government Center, eastbound along I-395 to Miami Beach and north to the Miami Beach Convention Center. Several alternatives are being evaluated to provide a rapid transit solution. Funding agencies include the FDOT, Miami-Dade County and the Cities of Miami and Miami. E Sciences is now expediting permitting for the construction of the transitway across the bay. <i>Budget/Fees: \$630,480</i>		
	<b>Pompano Beach CRA Continuing Contract for Environmental Engineering Services, Pompano Beach, Broward County, Florida</b>	2010 – Ongoing	N/A
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Ms. Locke is the contract manager for E Sciences' continuing services contract with the Pompano Beach CRA. Through this contract, E Sciences has conducted Phase I and II ESAs for several parcels in preparation for the CRA's redevelopment planning. Ms. Locke is working with the CRA to consider options on how to safely manage the identified contamination during the planning stages. Several of these properties are located along Martin Luther King, Jr. Boulevard, West Atlantic Avenue and North Dixie Highway. <b>Community Gardens:</b> E Sciences recently evaluated the suitability of three vacant, CRA-owned parcels for use as community gardens for the local school. The community gardens will be used to teach children about agriculture and healthy food choices. Vegetables grown on these lots will be used to provide fresh vegetables for families and children in the community. <b>Broward Community &amp; Family Health Center:</b> E Sciences prepared Environmental Information and Documentation to satisfy Health Resources and Services Administration grant application requirements. The project was conducted to support the potential redevelopment of CRA parcels with a much-needed community health care facility. The documentation was required for the grant applicant to comply with NEPA. <i>Contract Budget/Fees: \$153,154</i>		
	<b>Environmental Engineering Continuing Services, City of Miami Beach, Miami-Dade County, Florida</b>	2011 – Ongoing	N/A
f.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Ms. Locke is the contract manager for a consulting contract to conduct miscellaneous environmental services for the City of Miami Beach. Services conducted to date include Groundwater Elevations Monitoring and Mapping Project (Sea Level Rise Study), preparation of spill prevention control and countermeasure plans for 12 facilities including pump stations, fire stations, public works yard, Phase I and II ESAs for the area of the Miami Beach Convention Center, canoe/kayak launch/seawall rehabilitation permitting, bay walk permitting, tree canopy analysis, groundwater monitoring at golf courses and the fleet management facility and assessment and regulatory closure of the green waste facility. <i>Contract Budget/Fees: \$415,857</i>		
	<b>General Environmental Engineering Services, City of North Miami Beach, Miami-Dade County, Florida</b>	2009 – Ongoing	N/A
g.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Ms. Locke is the contract manager for E Sciences ongoing environmental engineering consulting contract with the City of North Miami Beach. <b>Taylor Park</b> was slated for redevelopment when FDEP had their Brownfields contractor conduct a Brownfields Assessment of the site. The assessment revealed the presence of metals and petroleum constituents in the soil and metals in the groundwater. Assessment activities revealed the presence of buried solid waste on most of the 21.8-acre property. Since that time, regulatory issues restricted and complicated redevelopment efforts for the property. Ms. Locke was the engineer of record for the assessment and conceptual remediation design for the property. The remediation planning was closely coordinated with the community desires, the City's needs and the park master planners to ensure a solution to remedy the environmental issues in conjunction with all of the stakeholder needs. The County is now implementing the cleanup. Ms. Locke also provided project management for Phase I environmental site assessments under this contract and senior support for E Sciences' efforts to prepare a stormwater master plan, digitize their stormwater atlases and develop a stormwater management manual for staff to follow to comply with NPDES permitting requirements. <i>Contract Budget/Fees: \$209,077</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME Brian Voelker, MS		13. ROLE IN THIS CONTRACT Senior Scientist	
		14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION (City and State) <b>E Sciences, Incorporated</b>			
16. EDUCATION (Degree and Specialization) MS, Coastal Zone Management / Marine Biology BS, Environmental Studies		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certified Landscape Inspector; Professional Wetland Scientist; Certified Arborist; PADI Certified Rescue Diver; Certified Survey Technician Level I; Certified Landscape Inspector; Professional Wetland Scientist; Certified Arborist FL-5378A; Tree Risk Assessment Qualification; PADI Certified Rescue Diver; Certified FDEP Stormwater Erosion and Sedimentation Control Inspector #29437			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade WASD Water Main Conversion Design Build Shenandoah Area, Miami-Dade County, Florida		PROFESSIONAL SERVICES 2015 – 2016	CONSTRUCTION (If applicable) N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project consisted primarily of conducting an arborist assessment of existing trees in potential conflict with proposed water main and service line replacements. This assessment included extensive coordination with the design engineer to identify measures to avoid and minimize tree impacts. The arborist assessment was completed in support of a tree removal permit application to be prepared and submitted by E Sciences. Additional services included the preparation of Stormwater Pollution Prevention Plans (SWPPP) for utility installation, and soil boring oversight and soil sample collection for contamination analysis. Mr. Voelker performed the arborist assessment, tree permitting, and preparation of the SWPPP. <i>Project Budget/Fees: \$30,000</i>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade WASD Ocean Outfall Legislation Large Diameter Pipeline Environmental Services, Miami-Dade County, Florida		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm In 2008, the Florida Legislature approved a law regulating ocean wastewater outfalls. The goal of this ocean outfall legislation (OOL) was to reduce nutrient discharges by 2018 and discontinue the use of the outfalls by 2025. E Sciences was a subconsultant to provide environmental support services to an engineering firm engaged by Miami-Dade County to design a new section of pipeline in anticipation of meeting the OOL criteria for this corridor. E Sciences performed a Phase I ESA for the corridor to identify potentially contaminated sites that would impact construction. E Sciences also conducted a tree inventory to identify regulated trees that would require permits for removal. Finally, E Sciences delineated wetlands along the corridor to inform the design team of permits that may be required. Mr. Voelker conducted the tree inventory and wetland delineation. <i>Project Budget/Fees: \$19,309</i>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Environmental Engineering Continuing Services, City of Miami Beach, Miami-Dade County, Florida		PROFESSIONAL SERVICES 2011 – Ongoing	CONSTRUCTION (If applicable) N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Under this continuing services contract, E Sciences provides environmental assessment, permitting and regulatory compliances services to the City. <b>Tree Inventory and Arborist Assessment:</b> Mr. Voelker performed a GPS inventory and condition assessment of all trees within City roadway and right-of-way areas. The assessments include health and structure evaluations, identification of utility conflicts, pruning recommendations, and general risk evaluations. The resulting GPS data will be used to generate a GIS tree database which the City can then be used as a tool for managing urban forest resources in this particular community. The results of this analysis may then be used to develop the framework for a City-wide GIS tree database. <i>Contract Budget/Fees: \$870,309</i>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
General Environmental Engineering Services, City of Fort Lauderdale, Broward County, Florida		PROFESSIONAL SERVICES 2007 – Ongoing	CONSTRUCTION (If applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Voelker participates in ecological and environmental projects under this contract, such as the <b>Benthic Surveys for Sylvan Lake Canal &amp; Seminole River Canal:</b> E Sciences conducted benthic resources surveys to support dredging projects in two City-maintained waterways. Mr. Voelker snorkeled each site to observe the presence of regulated benthic resources. He assisted with the report needed for the permit applications. <i>Contract Budget/Fees: \$911,705</i>		

# **E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

## **19. RELEVANT PROJECTS**

<p>(1) TITLE AND LOCATION (City and State)  <b>Deep Dredge Environmental Monitoring,  Miami-Dade County, Florida</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2014 – Ongoing</td> <td>CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2014 – Ongoing	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2014 – Ongoing	CONSTRUCTION (If applicable) N/A			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>e. PortMiami relocated Acropora cervicornis corals in anticipation of the proposed deep dredging project that will make the port compatible with Panamax cargo ships that are anticipated to utilize the port following the widening of the Panama Canal. E Sciences is providing scientific divers to monitoring the success of the relocated corals at 6, 12- and 24-months following relocation. Mr. Voelker is providing scientific diving services for this project. <i>Project Budget/Fees: \$138,743</i></p>				
<p>(1) TITLE AND LOCATION (City and State)  <b>Samson Oceanfront Park Coastal Construction Control Line Permitting,  City of Sunny Isles Beach, Miami-Dade County, Florida, Florida</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2015 – 2019</td> <td>CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2015 – 2019	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2015 – 2019	CONSTRUCTION (If applicable) N/A			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>f. E Sciences, as part of the design team, provided the Coastal Construction Control Line permitting for the project. Mr. Voelker conducted an on-site vegetative analysis, performed GPS mapping of vegetative communities, and assisted in preparation of the permit applications. <i>Project Budget/Fees: \$33,570</i></p>				
<p>(1) TITLE AND LOCATION (City and State)  <b>Pennsuco Littoral Shelf Restoration Year Two Maintenance,  City of Medley, Miami-Dade County, Florida</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2012 – Ongoing</td> <td>CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2012 – Ongoing	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2012 – Ongoing	CONSTRUCTION (If applicable) N/A			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>g. A Miami-Dade County DERM permit was issued to facilitate the 50-year life of mining activities under the Lake Belt Plan. E Sciences assisted Titan with restoring these littoral marsh areas to be in compliance with the permit. Currently, Titan America desires to obtain the Wildlife at Work certification from the Wildlife Habitat Council. E Sciences has been retained to demonstrate that the littoral shelf restoration is contributing to wildlife habitat usage. E Sciences will monitor the site to evaluate the prevalence of amphibians, reptiles, fish and invertebrates, and collect photo-documentation, to complete the application. Mr. Voelker assisted with the monitoring services required for this project. <i>Project Budget/Fees: \$126,000</i></p>				
<p>(1) TITLE AND LOCATION (City and State)  <b>Bayshore Beautiful Neighborhood Tree and Infrastructure Conflict  Assessment, City of Tampa, Hillsborough County, Florida</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2017</td> <td>CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>h. Mr. Voelker evaluated existing trees relative to proposed roadway milling and resurfacing work. The evaluation included assessments of tree health as well as proposed remediation measures to address root or canopy conflicts between existing trees and proposed milling/resurfacing and curb replacement work. <i>Project Budget/Fees: \$6,315</i></p>				
<p>(1) TITLE AND LOCATION (City and State)  <b>Sullivan Park Expansion Project,  City of Deerfield Beach, Broward County, Florida</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2014 – 2018</td> <td>CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2014 – 2018	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2014 – 2018	CONSTRUCTION (If applicable) N/A			
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>i. The City of Deerfield Beach CRA received grant funding to improve its Sullivan Park property located on the Intracoastal Waterway. Improvements include upland features (i.e. new bathroom facilities, a splash park, landscaping, etc.) and in-water infrastructure including a dock for kayaking and paddle boarding and finger piers for boats. E Sciences was engaged by the project design firm to provide permitting support. Mr. Voelker assisted with various services including a benthic resource survey, coordination with the permitting agencies, and preparation of permit applications. <i>Project Budget/Fees: \$41,833</i></p>				



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER  <div style="font-size: 2em; text-align: center;">1</div>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Miami-Dade WASD Water Main Conversion Design Build Shenandoah Area, Miami-Dade County, Florida</b>	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2015 – 2016	CONSTRUCTION <i>(If applicable)</i> N/A
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER EAC Consulting	b. POINT OF CONTACT NAME Michael Adeife, PE	c. POINT OF CONTACT TELEPHONE NUMBER (305) 409.4926
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(Include scope, size, and cost.)</i>		

E Sciences, as a subconsultant, is providing design-build services support for the replacement of water mains and service conversion in the Shenandoah Area. The project consisted of several components relating to environmental support, including contamination, permitting, arborist services and stormwater pollution prevention planning. E Sciences conducted an arborist assessment of existing trees in potential conflict with proposed water main and service line replacements. This assessment included extensive coordination with the design engineer to identify measures to avoid and minimize tree impacts. The arborist assessment was completed in support of a tree removal permit application to be prepared and submitted to the City. E Sciences also conducted a contamination review of the project area to identify potential contaminated sites that may impact the project. A contaminated gasoline station was identified adjacent to the project corridor. E Sciences personnel were on-site when the geotechnical borings were conducted to take samples and field screen the borings for the presence of petroleum. E Sciences' services also include preparation of a Stormwater Pollution Prevention Plans for utility installation.

**Project Budget/Fees: 30,000**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME E Sciences, Incorporated	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER  <div style="font-size: 2em; text-align: center;">2</div>		
21. TITLE AND LOCATION <i>(City and State)</i> <b>Miami-Dade WASD Ocean Outfall Legislation Large Diameter Pipelines Environmental Services, Miami-Dade County, Florida</b>		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2018</td> <td>CONSTRUCTION <i>(If applicable)</i> N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> N/A
PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> N/A			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER Black and Veatch	b. POINT OF CONTACT NAME Ricardo Vieira, PE	c. POINT OF CONTACT TELEPHONE NUMBER (754) 229-3067		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i>				

In 2008, the Florida Legislature approved a law regulating ocean wastewater outfalls. The goal of this ocean outfall legislation (OOL) was to reduce nutrient discharges by 2018 and discontinue the use of the outfalls by 2025. Miami-Dade County engaged Black and Veatch to design a new section of pipeline in anticipation of meeting the OOL criteria and Black and Veatch included E Sciences on their project team to provide environmental support services for this corridor. The corridor begins on SW 137th Avenue near 176th, Street, travels south to SW 200th Street, east on SW 200th Street to SW 134th Avenue, and south on SW 134th Avenue ending near SW 208th Street. The Site includes a six-lane roadway on the northern portion of SW 137th Avenue from SW 176th Street to south of SW 184th Street and the remaining Site includes a two-lane roadway.

E Sciences performed a Phase I Environmental Site Assessment (ESA) for the corridor to identify potentially contaminated sites that would impact construction. E Sciences also conducted a tree inventory to identify regulated trees that would require permits for removal. Finally, E Sciences delineated wetlands along the corridor to inform the design team of permits that may be required.

**Project Budget/Fees: \$19,309**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME E Sciences, Incorporated	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Subconsultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER  <div style="font-size: 2em; font-weight: bold; text-align: center;">3</div>		
21. TITLE AND LOCATION <i>(City and State)</i> <b>General Environmental Engineering Consulting Services</b> <b>City of Fort Lauderdale, Broward County, Florida</b>	22. YEAR COMPLETED <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2011 – Ongoing</td> <td style="width: 50%;">CONSTRUCTION <i>(If applicable)</i> N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2011 – Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
PROFESSIONAL SERVICES 2011 – Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER City of Fort Lauderdale	b. POINT OF CONTACT NAME Mr. Larry Teich	c. POINT OF CONTACT TELEPHONE NUMBER (954) 828-7844		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost.)</i>				

E Sciences was awarded a contract with the City of Fort Lauderdale to provide ongoing environmental engineering support during two separate consultant selection processes. The scope of the contract is broad and has provided us with a wide range of opportunities to support the City. The following summarizes some of the projects completed for the City:

**Tarpon River Restoration:** A 54" sanitary sewer force main pipe broke in the Rio Vista neighborhood, adjacent to the Tarpon River. Two breaks caused discharges from the force main to flow into the Tarpon River. The discharges included raw wastewater and sediment laden water from dewatering activities related to the repair of the force main. The Tarpon River is a Class III water, meaning the designated uses include fish consumption, recreation, and propagation and maintenance of a healthy, well-balanced population of fish and wildlife. The City engaged E Sciences to identify the impact area and develop a restoration plan for the affected portion of the Tarpon River. E Sciences used vibracore technology to collect sediment cores for visual characterization and sample collect. Sediment samples were analyzed for human waste indicators and bacteria to define the area of impact. A benthic survey using a "go-pro" camera was used to document the river bottom and to evaluate the presence of submerged aquatic vegetation. A hydrographic survey was conducted and the information used to estimate the dredge material volumes for the purposes of obtaining contractor bids. E Sciences collaborated with the USACE, FDEP and Broward County to identify ways to streamline the agency permitting and authorization procedures and in support of the development of a sediment removal plan. Weekly updates were provided to the City to be disseminated to the public to keep the residents informed of the progress of the project.



**Isle of Palms Seawall 15 Replacement and Climate Change Adaptation:** E Sciences provided support to the City in anticipation of replacement of 900 feet of seawall along the west side of Isle of Palms Drive. Sea level rise has caused surface waters to overtop this seawall and flood adjacent land and roads. The purpose of the project is to raise the height of the seawall and protect the shoreline from the effects of climate change. The City engaged E Sciences to conduct a benthic survey to support the design and permitting. Seagrasses were identified and data regarding on seagrass bed size, density, incidental species observed, and substrate conditions were recorded and documented. E Sciences collaborated with the design engineers to assist them in

obtaining the regulatory agency permits and by the City to inform the construction procurement process. The report was delivered one week ahead of the contract schedule and under budget.

**NPDES Permitting Support:** NPDES Permitting Support: E Sciences has worked with the City to prepare their TMDL Prioritization Plan and Assessment Program as required to be submitted within Year 1 of the City's NPDES MS4 permit. During Year 2 of the permit, E Sciences began preparing pollutant load analysis and reviewing monitoring data collected by the County to help the City understand the effects of their stormwater system improvements on neighboring waterbodies, as well as to comply with the permit. In addition, E Sciences is preparing the City's BPCP, working with multiple stakeholders in the area for effective reporting and cost savings, which will be submitted with the City's Year 3 annual report. E Sciences continues to provide ongoing NPDES support as needed to the City including review annual report and SOPs to ensure compliance with permit requirements.

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**Bonnet House Greenway Access:** E Sciences was engaged by the City to conduct an environmental evaluation for proposed greenway between Birch State Park through the Bonnet House Museum and Gardens property (Bonnet House) to North Birch Road to the South. The project objectives are providing connectivity from Sunrise Boulevard and Birch State Park to the island community located south of the Bonnet House property; immersing the user in the mangrove forest; maintaining a distance between the user and the Bonnet House activities and not interfering with the Bonnet House parking or landscaping. This evaluation was conducted to support a grant application for assistance under the National Park Service Rivers, Trails, and Conservation Assistance Program. E Sciences was requested to seek ways to minimize impacts to environmental resources that could be incorporated into the design of the greenway. E Sciences proposed an alternative greenway layout that would reduce mangrove impacts by shifting the greenway into disturbed uplands areas towards the south end of the greenway. This alternative layout would also result in decreased impacts to landscape trees and preserve parking areas for the users of the Bonnet House property. Design measures, including an elevated boardwalk and permeable pavement, could be implemented to further reduce impacts to natural resources.

**Environmental Assessment – Grace Community Development:** E Sciences was contracted to perform a HUD Environmental Review for an industrial property that was proposed to be redeveloped as a community center. The Environmental Review consisted of the Statutory Worksheet for Categorically Excluded projects. The preparation of this worksheet requires coordination with environmental regulatory agencies, including the State Historic Preservation Office, the FDEP, and the EPA. The Statutory Worksheet includes a Determination section with three options. If the project does not require mitigation for compliance with listed statutes or authorities, nor require formal permit or license, then it converts to Exempt status. Based on the proposed change in use of the property, it was determined that the project did qualify as a Categorical Exclusion and required a higher level of review. Therefore, E Sciences completed an Environmental Assessment and completion of the HUD's NEPA Environmental Assessment Checklist, including an alternatives analysis, and the Environmental Assessment Worksheet to comply with federal laws and authorities.

**Sistrunk Boulevard:** E Sciences was hired by the City to conduct soil and groundwater sampling along Sistrunk Boulevard from I-95 to Andrews Avenue. The project was conducted in order to support the CRA with implementing a streetscape, drainage and roadway enhancement project. E Sciences conducted soil and groundwater sampling at 36 locations to evaluate potential impacts to construction that may arise due to known contaminated sites historically located along the corridor. Potential sites of concern included historic dry cleaners, gasoline stations, junk yards and an incinerator ash landfill.



Prior to implementation, E Sciences worked with the FDOT (who was providing funding) to determine a scope of analytical services. E Sciences reconciled the proposed subsurface structure locations (drainage structures, light fixtures, etc.) identified on construction plan sheets with the existing corridor conditions and proximity to potentially contaminated areas. Due to the high number of utilities anticipated to be located in close proximity to the drilling locations, E Sciences engaged a private utility location contractor to locate underground utilities using ground penetrating radar and electromagnetic radiation surveys, in addition to review of City plans and coordination with Sunshine One Call. An MOT plan was prepared and submitted to the City prior to field activities.

In addition to an assessment report, E Sciences provided general notes and bidding specifications language outlining requirements for managing contaminated soils and groundwater to be incorporated into the bidding and contract documents for this project. During construction, we assisted the City in working with the contractor to minimize impacts to construction and keep the project moving forward.

This “stimulus” project meant that deadlines were critical and that the work needed to be expedited. We developed a scope of work, met with FDOT to negotiate the scope, conducted private utility location, developed an MOT plan, and initiated the sample collection within 13 days of the first phone call. Our draft report was provided to the CRA within an additional 12 working days. This project was completed to the satisfaction of the CRA and FDOT and we delivered the project under budget by more than \$12,000.



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**HUD Environmental Documentation and Area-wide Floodplain Management Eight-Step Decision-Making Process:** To enhance the quality of life in our neighborhoods, the City Commission has established four Community Investment Programs: the Neighborhood Community Investment Program, the Neighborhood Community Investment Grant Program, the Business Community Investment Program, and the Business Community Investment Grant Program. The goal of these programs is to provide matching grant funds for the construction of community improvements in the City's rights-of-way that beautify neighborhoods and enhance the quality of life for those who live in, work in, and visit the City. The majority of individual actions considered for these projects include the following: street name decorative posts, entryway monuments, entryway signs, concrete curbing, swales, sidewalks, median islands, decorative lighting, solar decorative lighting, landscape lighting, trees, landscaping, and irrigation. E Sciences has prepared numerous environmental documentation packages to support HUD funding for the City of Fort Lauderdale's neighborhood improvement projects. The majority of these involved the preparation of Environmental Checklists in compliance with HUD regulations. E Sciences also prepared an Area wide Floodplain Management Eight-Step Decision-Making Process for them to utilize when projects are located within a 100-year floodplain as defined by FEMA.

**Fire Station #49 Emergency Response:** This project was undergoing redevelopment with a new City fire station when petroleum contamination was discovered during construction. E Sciences mobilized to the site the same day as requested to further investigate the implications of this finding on construction and regulatory notification. Historical and regulatory records indicated historic USTs on the property. Consultation with regulatory agencies, collection of soil and groundwater samples and sound environmental judgment allowed this project to proceed with minimal time delay and costs to the project. E Sciences also conducted air monitoring for construction workers to evaluate potential health implications of exposure to the unknown products discovered and provided the City with such documentation.



**Opinion of Post Closure Costs, Wingate Landfill:** In response to a City audit, E Sciences was tasked to develop an opinion of post-remediation costs for this Superfund site. Historic and future operations with respect to maintenance and monitoring costs were compiled in several spreadsheets to provide future annual allocations until fiscal year 2032. E Sciences created the spreadsheets such that the costs forecasts may be updated annually.

**Wingate Landfill Burrowing Owl Relocation:** This is a hazardous waste superfund site that has undergone regulatory closure. A protective cap system was installed at this historical municipal landfill to eliminate potential exposure to contaminants and to prevent migration of contaminants in the landfill into the groundwater. A condition of the closure is conducting monitoring of the groundwater, surface water and fish tissues on a periodic basis for a period of 30 years. During a five-year inspection, the EPA identified the presence of two burrowing owl burrows on top of the capped area of the landfill. The EPA directed the City to remove the burrows and evaluate the integrity of the landfill cap. E Sciences was engaged to evaluate the possible damage and coordinate burrow removal with state and federal regulatory agencies.



The burrows were scoped and video recorded in an effort to assess whether or not the owls had affected/damaged the geomembrane with inconclusive results. However, it was determined that there were no eggs or flightless young in the burrows. Following coordination with the EPA and the FWC, starter burrows were created outside of the cap area to encourage relocation of the owls to this area. The burrows were excavated and it was found that the cap had not been affected by the owls. The burrows were removed and the owls relocated themselves in the area outside the cap.

**FXE Endangered Species Surveys, Permitting and Relocation:** E Sciences has conducted multiple endangered species surveys, migratory bird and gopher tortoise relocation permitting and relocation for proposed construction projects at FXE. Endangered species encountered, permitted or relocated include burrowing owls and gopher tortoises.

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**FXE Proposed U.S. Customs and Border Protection Facility:** E Sciences was engaged by the City to assist with understanding the outstanding environmental and regulatory issues at a tenant space at the FXE as part of the planning for a future U.S. Customs and Border Protection Facility. The property is currently occupied by another private tenant who historically operated two fueling facilities: one abandoned in place and one recently taken out of service. Our scope of services included tenant interviews, a site visit, review of the tenant's consultant assessment reports, and communications with Broward County's Environmental Protection and Growth Management Department. This project is continuing as E Sciences provides periodic updates and advises the City in ways to reduce the potential for liability associated with these former fueling systems and reduce the potential for impacts to construction.

**Benthic Surveys for Sylvan Lake Canal and Seminole River Canal:** E Sciences conducted benthic resources surveys to support obtaining permits for dredging in two City-maintained waterways. E Sciences' biologists snorkeled each site to observe the presence of regulated benthic resources (i.e. seagrasses, corals, etc.) E Sciences provided the City reports to accompany their permit applications.

**Phase I/II Environmental Site Assessments:** E Sciences has prepared Phase I ESAs for the City's Neighborhood Services group in order to support federal funding, in preparation for redevelopment and prior to site acquisition. The following sites are examples of these projects: **Twin Lakes:** E Sciences conducted a Phase I ESA and asbestos survey to support the City's purchase and redevelopment of this residence as a park. **Hortt Elementary:** E Sciences conducted a Phase I and Phase II ESA for the City to support their purchase of this school property intended for redevelopment as a neighborhood park. This property was initially developed by Mr. M.A. Hortt who was one of the early Fort Lauderdale settlers. The project was expedited to meet the constraints of contract timing. **Progreso Village Neighborhood:** This Phase I ESA was conducted to support a grant application for neighborhood improvement projects. **Melrose Manors Neighborhood:** E Sciences conducted a Phase I ESA and HUD Environmental Review for the City's Neighborhood Services group in order to support application for federal funding for decorative light posts. **Lauderdale Manors Neighborhood:** E Sciences conducted a Phase I ESA and HUD Environmental Review for the City's Neighborhood Services group in order to support application for federal funding for decorative light posts. **Golden Heights Neighborhood:** E Sciences conducted a Phase I ESA for the City's Neighborhood Services group in order to support application for federal funding for decorative entranceway signs. **Sailboat Bend Preserve:** E Sciences was hired by the City to conduct a Phase I and II ESA of vacant property being designated for use as recreational space and installation of a "tot lot". The property is adjacent to the City's public works and police department complex. No environmental concerns were identified. **Parcel Located at 538 NW 9th Avenue:** E Sciences was engaged by the City's CRA to conduct a Phase I ESA of this property, located across the street from the CRA building. This vacant lot was being procured by the CRA as part of an assemblage of parcels for future development opportunities along Sistrunk Boulevard.

**Fort Lauderdale Executive Airport Fuel Spill Regulatory Assistance:** As a result of damage to an aircraft fuel tank during a low speed collision between two airplanes at Fort Lauderdale Executive Airport, a jet fuel discharge was reported to EPGMD. Immediately after the incident, staff employed emergency procedures and properly managed the spill. E Sciences was initially called in to conduct soil sampling to determine if the soils in the area were impacted with jet fuel. When E Sciences reviewed the documentation, we determined that discharge response had been sufficiently managed and that the activities should not require soil assessment or a formal discharge report, which would trigger a requirement to conduct a Site Assessment. E Sciences provided documentation and communications with EPGMD in order to prevent the reported discharge from entering the bureaucratic process of future assessment and remediation requirements.

**Fort Lauderdale Low Level Bridges:** E Sciences provided asbestos surveys in anticipation of demolition and reconstruction of three low level neighborhood bridges for the City: The Harborage, Marcetta River, and Carlotta River. These reports met the requirements for FDOT, as FDOT was providing funding for this project.

**Fire Station #46:** E Sciences was contracted with the City to provide an indoor air quality survey to evaluate comfort-related issues posed by building occupants regarding indoor air quality. The scope of services included a walkthrough of the building; interviews with building occupants; observations of the air conditioning systems; measurements for temperature, relative humidity, carbon monoxide, and carbon dioxide in each building area; and moisture readings in areas where either visible indications of moisture impact were noted or that were reported by building occupants.

**Environmental Assessment – South Middle River Improvement:** E Sciences’ completed an environmental assessment of the project area to satisfy HUD financial support for paving and drainage improvements along a section of the South Middle River neighborhood. E Sciences completed an Environmental Review and completed the Statutory Worksheet for HUD projects Categorically Excluded per 24 CFR Part 58.25(a) to determine whether or not the project will have a significant impact on the environment. The Worksheet includes an environmental assessment of potential impacts to historic properties, floodplain management, wetland protection, coastal zone management, sole source aquifers, endangered species, Wild and Scenic Rivers, air quality, farmlands, environmental justice, noise abatement, explosives and flammables, toxic and radioactive chemicals and airport clear zones. The results of the evaluation determined that the project was not categorically excluded and required completion of the NEPA Environmental Assessment Checklist, revising the Statutory Worksheet in the Environmental Assessment Worksheet format, and a FONSI to satisfy HUD financial support. In addition, E Sciences had previously completed the Eight-Step Decision Making Process for Floodplain Management for the project area, which was included as part of the documentation. The Eight-Step Decision Making Process is completed in order to evaluate compliance for Projects located within a floodplain or within a designated wetland. In this case, it was triggered by the location of the project within a floodplain and included public notice, evaluation of practicable alternative locations, identification of potential direct and indirect impacts, evaluated minimization of impacts and restoration and preservation of beneficial values of the floodplain.

**Environmental Assessment – Grace Community Development:** E Sciences was contracted to perform a HUD Environmental Review for an industrial property that was proposed to be redeveloped as a community center. The Environmental Review consisted of the Statutory Worksheet for Categorically Excluded projects. The preparation of this worksheet requires coordination with environmental regulatory agencies, including the State Historic Preservation Office, the FDEP, and the EPA. The Statutory Worksheet includes a Determination section with three options. If the project does not require mitigation for compliance with listed statutes or authorities, nor require formal permit or license, then it converts to Exempt status. Based on the proposed change in use of the property, it was determined that the project does did qualify as a Categorical Exclusion and required a higher level of review. Therefore, E Sciences completed an Environmental Assessment and completion of the HUD’s NEPA Environmental Assessment Checklist, including an alternatives analysis, and the Environmental Assessment Worksheet to comply with federal laws and authorities.

**Statutory Worksheet – Community Redevelopment Agency Resurfacing Projects:** The City required an environmental evaluation of the project area to satisfy HUD requirements for providing financial support for resurfacing streets within the Fort Lauderdale CRA boundary. The approximate area of the project encompassed approximately 1,400 acres. The scope of our services included the preparation of an Environmental Review to comply with federal laws and authorities that would apply to HUD under the NEPA. The City had previously submitted an Area-wide Floodplain Management Eight-Step Decision-Making Process to HUD for projects of similar nature and scope that are eligible for CDBG funds. However, this particular activity (resurfacing) was not contemplated by the City at the time of the preparation of the Area-wide Floodplain Management Eight-Step Decision Making Process documentation. Based upon our review of FEMA maps, the projects contemplated under this environmental review included areas within the floodplain requiring that the City evaluate the project in those areas in accordance with the citywide process. E Sciences performed a review of the CRA area and review of internal and public documents to evaluate existing environmental conditions as they relate to HUD regulations within the CRA and potential for impacts. The final deliverable was a Statutory Worksheet with the supporting documentation verifying compliance.

**Contract Budget/Fees: \$593,822**

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME E Sciences, Incorporated	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Prime Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

## G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

## 29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Miami-Dade WASD Water Main Conversion Design Build Shenandoah Area, Miami-Dade County, Florida	6	
2	Miami-Dade WASD Ocean Outfall Legislation Large Diameter Pipelines Environmental Services, Miami-Dade County, Florida	7	
3	General Environmental Engineering Consulting Services, City of Fort Lauderdale, Broward County, Florida	8	
4		9	
5		10	



## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

E Sciences is an engineering, environmental and ecological consulting firm providing a wide range of services to clients in both the public and private sectors. Our company was formed in 2000, bringing together a team of professional and technical staff members with a long history of successfully executing projects throughout Florida and the Southeastern United States. Our fundamental philosophy is based on responsiveness, expertise and creating value for our clients.

### Environmental Consulting Services

E Sciences provides a full range of environmental services to identify, remediate and resolve issues related to contamination of soil and groundwater. We have extensive experience investigating and remediating surface and subsurface environments for a variety of contaminants from petroleum, chlorinated solvents and other hazardous materials and are intimately familiar with geological and hydrogeological systems in Florida and the Southeastern United States. Our environmental staff includes registered professional engineers and geologists, and degreed scientists whose expertise provides a comprehensive combined set of skills that support our clients' goals through and even beyond the planning, design and construction phases of projects.

### Engineering Consulting Services

Our engineering staff includes professionally licensed engineers with degrees in civil and environmental engineering. E Sciences provides a broad scope of engineering services related to permitting, water quality management, stormwater management, transportation support, infrastructure management, hydrologic restoration and preservation, watershed planning, FEMA floodplain management and permitting, and regulatory compliance. We assist clients with major regulatory programs such as NPDES Phase I and Phase II permitting and compliance, Clean Water Act services, and numerous other specialty areas. E Sciences professionals are skilled in facilities engineering, including transaction support services such as Property Condition Surveys and Development Feasibility Studies for industrial and commercial land uses.

### Ecological Consulting Services

Our ecological staff includes full-time senior environmental scientists with degrees in soil and water science, ecology, biology, earth science, urban forestry and marine biology. E Sciences' primary ecological services include wetland delineation and evaluation; wildlife surveys and permitting; habitat assessments and conservation plans; marine and coastal ecology; wetland and habitat restoration; urban forestry and tree inventories; land management, and natural systems analysis. We have extensive experience permitting projects with the USACE, FWS, FDEP, Water Management Districts and local municipalities throughout Florida.



## I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

December 14, 2020

33. NAME AND TITLE

Peter K. Partlow, PE, President

# ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)  
RM – 21 – 16

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>E Sciences, Incorporated – Fort Lauderdale, Florida</b>			3. YEAR ESTABLISHED 2000	4. DUNS NUMBER 001998678
2b. STREET 200 East Dania Beach Boulevard, Suite 106			5. OWNERSHIP a. TYPE Corporation	
2c. CITY Dania Beach	2d. STATE Florida	2e. ZIP CODE 33004	b. SMALL BUSINESS STATUS Small Business	
6a. POINT OF CONTACT NAME AND TITLE Nadia Locke, PE, Senior Engineer			7. NAME OF FIRM (If block 2a is a branch office) E Sciences, Incorporated	
6b. TELEPHONE NUMBER (954) 484-8500		6c. E-MAIL ADDRESS nlocke@esciencesinc.com	34 East Pine Street Orlando, FL 32801	
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR ESTABLISHED N/A	8c. DUNS NUMBER N/A



9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	9	1	C18	Cost Estimating	2
12	Civil Engineer	4	0	E01	Ecological/Archeological Investigations	3
19	Ecologist	5	0	E09	Environmental Impact Studies/Assessments or Statements	4
23	Environmental Engineer	10	3	E10	Environmental and Natural Resource Mapping	1
24	Environmental Scientist	23	11	E11	Environmental Planning	2
29	GIS Specialist	4	2	E12	Environmental Remediation	2
30	Geologist	3	1	E13	Environmental Testing and Analysis	1
58	Technicians/Interns	5	1	G04	Geographic Info Systems Development/Analysis	1
53	Scheduler	1	0	H07	Highways, Streets, Airfield Paving, Parking Lots	3
				H11	Housing (Residential, Multi-Family)	1
				I03	Industrial Waste Treatment	1
				M06	Mining and Mineralogy	1
				U02	Urban Renewal; Community Development	1
				S05	Soils & Geologic Studies, Foundations	1
				S13	Storm Water Handling & Facilities	1
				W02	Water Resources, Hydrology, Groundwater	1
Total		64	19			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	7	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	7	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE December 14, 2020
c. NAME AND TITLE Peter K. Partlow, PE, President	

# Stoner and Associates, Inc.



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
James D. Stoner, P.S.M.	Principal	a. TOTAL 50	b. WITH CURRENT FIRM 30
15. FIRM NAME AND LOCATION <i>(City and State)</i> Stoner & Associates, Inc. - Davie, Florida			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Palm Beach Community College Associates of Science in Land Surveying		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> State of Florida License Professional Surveyor and Mapper License No. LS4039	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Florida Surveying and Mapping Society American Congress on Surveying and Mapping			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> City of Sunrise Municipal Complex City of Sunrise, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Surveyor - Prepared Boundary, Topographic, Tree and Utility Survey of 39.36 Acre City of Sunrise Municipal Complex. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Sunrise Athletic Complex City of Sunrise, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Surveyor - Prepared Boundary, Topographic, Tree and Utility survey of 26.57 Acre Sunrise Athletic Complex Park. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Lift Station 132 City of Sunrise, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Surveyor - Prepared a sketch and legal description of utility easement for Lift Station No. 132 located at Springtree Drive and N.E. 97th Terrace. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> Cypress Bay Annex City of Sunrise, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Surveyor - Prepared Boundary Survey of 10.37 Acre former school site now known as Cypress Bay Annex located at North New River Circle and Sanctuary Parkway. <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i> City Limits City of Sunrise, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Surveyor - Stake the city limit boundary line between City of Weston and City of Sunrise. <input checked="" type="checkbox"/> Check if project performed with current firm		



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>				
<b>21. TITLE AND LOCATION (City and State)</b> City of Sunrise Municipal Complex City of Sunrise, Florida	<b>22. YEAR COMPLETED</b> <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2017</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2017	N/A
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2017	N/A					

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Sunrise	<b>b. POINT OF CONTACT NAME</b> Mr. Robert Romeo	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954)888-6060
--------------------------------------------	-----------------------------------------------------	--------------------------------------------------------------

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Prepared Boundary, Topographic, Tree and Utility Survey of 39.36 Acre City of Sunrise Municipal Complex.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION (City and State) 4341 S.W. 62nd Avenue Davie, FL 33314	(3) ROLE Land Surveyor
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i> City of Sunrise Athletic Complex City of Sunrise, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A

### 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Sunrise	b. POINT OF CONTACT NAME Mr. Robert Romeo	c. POINT OF CONTACT TELEPHONE NUMBER (954)888-6060
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Prepared Boundary, Topographic, Tree and Utility survey of 26.57 Acre Sunrise Athletic Complex Park.

### 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> 4341 S.W. 62nd Avenue Davie, FL 33314	(3) ROLE Land Surveyor
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>
<b>21. TITLE AND LOCATION (City and State)</b> Lift Station 132 City of Sunrise, Florida	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> 2016	<b>CONSTRUCTION (If applicable)</b> N/A

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Sunrise	<b>b. POINT OF CONTACT NAME</b> Mr. Jinsheng (Jin) Huo, Ph.D, P.E., BCEE	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954)888-6049
--------------------------------------------	-----------------------------------------------------------------------------	--------------------------------------------------------------

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Prepared a sketch and legal description of utility easement for Lift Station No. 132 located at Springtree Drive and N.E. 97th Terrace.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION (City and State) 4341 S.W. 62nd Avenue Davie, FL 33314	(3) ROLE Land Surveyor
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>				
<b>21. TITLE AND LOCATION</b> <i>(City and State)</i> Cypress Bay Annex City of Sunrise, Florida	<b>22. YEAR COMPLETED</b> <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td>2017</td> <td>N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2017	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2017	N/A					

**23. PROJECT OWNER'S INFORMATION**

<b>a. PROJECT OWNER</b> City of Sunrise	<b>b. POINT OF CONTACT NAME</b> Mr. Alan Gavazzi	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> (954)572-2487
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Prepared Boundary Survey of 10.37 Acre former school site now known as Cypress Bay Annex located at North New River Circle and Sanctuary Parkway.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> 4341 S.W. 62nd Avenue Davie, FL 33314	(3) ROLE Land Surveyor
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
21. TITLE AND LOCATION <i>(City and State)</i> City Limits City of Sunrise, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER City of Sunrise	b. POINT OF CONTACT NAME Mr. Rodrigo de Castro, P.E., CFM	c. POINT OF CONTACT TELEPHONE NUMBER (954)746-3292
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Stake the city limit boundary line between City of Weston and City of Sunrise.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Stoner & Associates, Inc.	(2) FIRM LOCATION <i>(City and State)</i> 4341 S.W. 62nd Avenue Davie, FL 33314	(3) ROLE Land Surveyor
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

[illegible]

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	City of Sunrise Municipal Complex	6	
2	City of Sunrise Athletic Complex	7	
3	Lift Station 132	8	
4	Cypress Bay Annex	9	
5	City Limits	10	

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**H. ADDITIONAL INFORMATION**

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30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

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**I. AUTHORIZED REPRESENTATIVE**

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

08/15/2018

33. NAME AND TITLE

James D. Stoner, P.S.M., President

## 1. SOLICITATION NUMBER (If any)

RFQ 18-04-06-MS


## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stoner &amp; Associates, Inc.</b>			3. YEAR ESTABLISHED <b>1988</b>		4. DUNS NUMBER <b>195500624</b>	
2b. STREET <b>4341 S.W. 62nd Avenue</b>			5. OWNERSHIP			
2c. CITY <b>Davie</b>			2d. STATE <b>FL</b>		2e. ZIP CODE <b>33314</b>	
6a. POINT OF CONTACT NAME AND TITLE <b>James D. Stoner, P.S.M., President</b>			a. TYPE <b>S-Corporation</b>			
6b. TELEPHONE NUMBER <b>(954)585-0997</b>			b. SMALL BUSINESS STATUS <b>541370-Surveying and Mapping Services</b>			
6c. E-MAIL ADDRESS <b>jstoner@stonersurveyors.com</b>			7. NAME OF FIRM (If block 2a is a branch office) <b>Not Applicable</b>			
8a. FORMER FIRM NAME(S) (If any) <b>Not Applicable</b>			8b. YR. ESTABLISHED		8c. DUNS NUMBER	

[illegible]

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	0	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	5	2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	5	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

<b>12. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE 08/15/2018
c. NAME AND TITLE James D. Stoner, P.S.M., President	



Cartaya & Associates



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Mario Cartaya, RA, NCARB - CEO</b>	Principal Architect	a. TOTAL 46	b. WITH CURRENT FIRM 42
15. FIRM NAME AND LOCATION (City and State)			
<b>Cartaya and Associates Architects P.A., Fort Lauderdale, Florida</b>			
16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)		
University of Florida (Bachelor of Architecture) University of Florida (Master's of Building Construction)	Florida Registered Architect & Planner #AR0007787 NCARB Registration #34447 Uniform Building Code Inspector's License		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
American Institute of Architects, AV Med Health Plans Board of Directors, Broward Workshop, • National Council of Architectural Registration Boards			

## 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>City of Plantation Utilities Department Energy Efficiency Team Center   Plantation, Florida</b>	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2013
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> Check if project performed with current firm The Utilities Department Energy Efficiency Team Center site was previously an existing 8,200 SF administrative building and water treatment plant. The City's vision of this project was to demolish a portion of the existing structure and renovate the interiors, as well as include an addition of 3,596 SF to accommodate the City's growing administrative needs. The new facility is 11,796 SF divided into two floors. A 5,898 SF first floor which is dedicated to City record storage is comprised of separate public and staff entrances, electrical room, and storage areas and storage areas. The second floor is similar to the first, a 5,898 SF split level plan which includes offices, conference rooms, staff lounge and the IT Data Center.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Port Everglades Terminal 2 &amp; 4 Parking Deck Expansion &amp; Roadway Improvements   Fort Lauderdale, Florida</b>	PROFESSIONAL SERVICES In Progress	CONSTRUCTION (If applicable) In Progress
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> Check if project performed with current firm Broward County is in the process of planning a new hotel and the expansion of the Conventions Center at the Northport area of Port Everglades. The Cartaya and Associates Design Team was selected to design a new 1,900 car parking garage serve Cruise Terminals 2 and 4 and a pedestrian bridge. To enhance the cruise passenger experience, a ground transportation area (GTA) is also being designed. Additionally, new traffic routing to access and egress the new garage will alleviate congestion along the adjacent Port access roadway and reduce delays for other terminal-bound traffic.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Professional Consultant Services, Building Projects at FLL &amp; HWO Fort Lauderdale, Florida</b>	PROFESSIONAL SERVICES On Going	CONSTRUCTION (If applicable) On Going
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> Check if project performed with current firm Cartaya and Associates is providing architectural services for Broward County Aviation Department as part of a continuing services contract. Services include pre-design, programming, design, construction administration and resident project representative services for new building construction and modifications, alterations and improvements to existing buildings, structures, offices and accessory buildings that are landside and airside at the airports.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Miramar Police Headquarters Miramar, Florida</b>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> Check if project performed with current firm The City of Miramar Police Headquarters and retail area is a part of the Miramar Town Center Master Plans as designed by our firm. This facility is a three story wrap around structure surrounding the Town Center Parking Garage. The building's Mediterranean style inspired exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm. The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building. The second and third floor houses the City's Police Department including a sally port entry, holding areas, offices, conference rooms and investigative facilities. This secure building is designed to be bullet-proof inside and outside and withstand Category 5 hurricane events.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>Pembroke Pines City Center Pembroke Pines, Florida</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
<input checked="" type="checkbox"/> Check if project performed with current firm The Design includes a 166,895 square foot Civic Center with a 3500 seat acoustically designed Performing Arts / Banquet / Exhibition Grand Hall, a full Service Kitchen, Performing Dressing and Green Rooms, an exquisitely designed Grand Lobby, and the Administrative offices for the City. The stand-alone 6,000 square foot Commission Chambers building will serve as the legislative venue for the elected officials. A 10,000 square foot Art Gallery will define the north end of the Complex. These three buildings surround a multi-media ready Community Plaza where the elected officials and the community can celebrate designated and important times of the year.		

All the referenced projects above were delivered **on time** and **on budget**.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME <b>Juan Justiniano, AIA, AICP, LEED AP BD+C</b>	13. ROLE IN THIS CONTRACT Project Architect/ Project Manager	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>34</td> <td>20</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	34	20
a. TOTAL	b. WITH CURRENT FIRM						
34	20						
15. FIRM NAME AND LOCATION (City and State) <b>Cartaya and Associates Architects P.A., Fort Lauderdale, Florida</b>							
16. EDUCATION (Degree and Specialization) Texas Tech University (Bachelor's of Architecture - Structures) Georgia Institute of Technology (Master's in City Planning) ~ Fulbright Scholar		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Architectural Registration #94371 AIA # 30063757 American Institute of Certified Planners #141945 LEED AP Building Design + Construction #10476514					
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)							

## 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) <b>City of Plantation Utilities Department Energy Efficiency Team Center   Plantation, Florida</b>	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2013</td> <td>2013</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2013	2013
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2013	2013					
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. The Utilities Department Energy Efficiency Team Center site was previously an existing 8,200 SF administrative building and water treatment plant. The City's vision of this project was to demolish a portion of the existing structure and renovate the interiors, as well as include an addition of 3,596 SF to accommodate the City's growing administrative needs. The new facility is 11,796 SF divided into two floors. A 5,898 SF first floor which is dedicated to City record storage is comprised of separate public and staff entrances, electrical room, and storage areas and storage areas. The second floor is similar to the first, a 5,898 SF split level plan which includes offices, conference rooms, staff lounge and the IT Data Center.						
(1) TITLE AND LOCATION (City and State) <b>Port Everglades Terminal 2 &amp; 4 Parking Deck Expansion &amp; Roadway Improvements   Fort Lauderdale, Florida</b>	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>In Progress</td> <td>In Progress</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	In Progress	In Progress
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
In Progress	In Progress					
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Broward County is in the process of planning a new hotel and the expansion of the Conventions Center at the Northport area of Port Everglades. The Cartaya and Associates Design Team was selected to design a new 1,900 car parking garage serve Cruise Terminals 2 and 4 and a pedestrian bridge. To enhance the cruise passenger experience, a ground transportation area (GTA) is also being designed. Additionally, new traffic routing to access and egress the new garage will alleviate congestion along the adjacent Port access roadway and reduce delays for other terminal-bound traffic.						
(1) TITLE AND LOCATION (City and State) <b>Professional Consultant Services, Building Projects at FLL &amp; HWO Fort Lauderdale, Florida</b>	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>On Going</td> <td>On Going</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	On Going	On Going
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
On Going	On Going					
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Cartaya and Associates is providing architectural services for Broward County Aviation Department as part of a continuing services contract. Services include pre-design, programming, design, construction administration and resident project representative services for new building construction and modifications, alterations and improvements to existing buildings, structures, offices and accessory buildings that are landside and airside at the airports.						
(1) TITLE AND LOCATION (City and State) <b>Miramar Police Headquarters Miramar, Florida</b>	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2015</td> <td>2016</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2015	2016
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2015	2016					
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. The City of Miramar Police Headquarters and retail area is a part of the Miramar Town Center Master Plans as designed by our firm. This facility is a three story wrap around structure surrounding the Town Center Parking Garage. The building's Mediterranean style inspired exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm. The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building. The second and third floor houses the City's Police Department including a sally port entry, holding areas, offices, conference rooms and investigative facilities. This secure building is designed to be bullet-proof inside and outside and withstand Category 5 hurricane events.						
(1) TITLE AND LOCATION (City and State) <b>Pembroke Pines City Center Pembroke Pines, Florida</b>	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2016</td> <td>2017</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2016	2017
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2016	2017					
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. The Design includes a 166,895 square foot Civic Center with a 3500 seat acoustically designed Performing Arts / Banquet / Exhibition Grand Hall, a full Service Kitchen, Performing Dressing and Green Rooms, an exquisitely designed Grand Lobby, and the Administrative offices for the City. The stand-alone 6,000 square foot Commission Chambers building will serve as the legislative venue for the elected officials. A 10,000 square foot Art Gallery will define the north end of the Complex. These three buildings surround a multi-media ready Community Plaza where the elected officials and the community can celebrate designated and important times of the year.						

All the referenced projects above were delivered **on time** and **on budget**.

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT***(Complete one Section E for each key person.)*

12. NAME <b>James Downey</b>	13. ROLE IN THIS CONTRACT Construction Administration	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 6
15. FIRM NAME AND LOCATION (City and State) <b>Cartaya and Associates Architects P.A., Fort Lauderdale, Florida</b>			
16. EDUCATION ( <i>Degree and Specialization</i> ) Palm Beach Community College – Associate's of Architecture Weymouth Vocational Technical High School 1979-81 - Structural Drafting and Design		17. CURRENT PROFESSIONAL REGISTRATION ( <i>State and Discipline</i> )	
18. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> )			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Pembroke Pines City Center</b> Pembroke Pines, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION ( <i>If applicable</i> ) 2017
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE a. The Design includes a 166,895 square foot Civic Center with a 3500 seat acoustically designed Performing Arts / Banquet / Exhibition Grand Hall, a full Service Kitchen, Performing Dressing and Green Rooms, an exquisitely designed Grand Lobby, and the Administrative offices for the City. The stand-alone 6,000 square foot Commission Chambers building will serve as the legislative venue for the elected officials. A 10,000 square foot Art Gallery will define the north end of the Complex. These three buildings surround a multi-media ready Community Plaza where the elected officials and the community can celebrate designated and important times of the year.		
(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>MegaCenter</b> Miramar, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES In Progress	CONSTRUCTION ( <i>If applicable</i> ) In Progress
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE b. MegaCenter Miramar will be a new warehouse, storage and office facility on the eastern edge of Miramar near Miramar Parkway and University Drive. The 14.7 acre site has two existing buildings consisting of warehouses, classrooms, automotive and watercraft training rooms and offices with large parking areas and landscape areas. These buildings will be renovated to accommodate the new use. Three new buildings will also be constructed.		
(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Broward College Café &amp; Bookstore Renovation/Remodeling</b> Davie, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION ( <i>If applicable</i> ) 2017
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE c. This project comprises of the renovation of an existing open courtyard and transformation of the space into a Café, Bookstore, Student Lounge Area and provision of Offices for this building. The bookstore area is to be managed by Barnes and Noble as is currently agreed by the College. The project meets all of the College's standards for renovations and new construction.		
(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Professional Consultant Services, Building Projects at FLL &amp; HWO</b> Fort Lauderdale, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES On Going	CONSTRUCTION ( <i>If applicable</i> ) On Going
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE d. Cartaya and Associates is providing architectural services for Broward County Aviation Department as part of a continuing services contract. Services include pre-design, programming, design, construction administration and resident project representative services for new building construction and modifications, alterations and improvements to existing buildings, structures, offices and accessory buildings that are landside and airside at the airports.		
(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Miramar Police Headquarters</b> Miramar, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION ( <i>If applicable</i> ) 2016
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE e. The City of Miramar Police Headquarters and retail area is a part of the Miramar Town Center Master Plans as designed by our firm. This facility is a three story wrap around structure surrounding the town Center Parking Garage. The building's Mediterranean style inspired exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm. The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building. The second and third floor houses the City's Police Department including a sally port entry, holding areas, offices, conference rooms and investigative facilities. This secure building is designed to be bullet-proof inside and outside and withstand Category 5 hurricane events.		

All the referenced projects above were delivered **on time** and **on budget**.

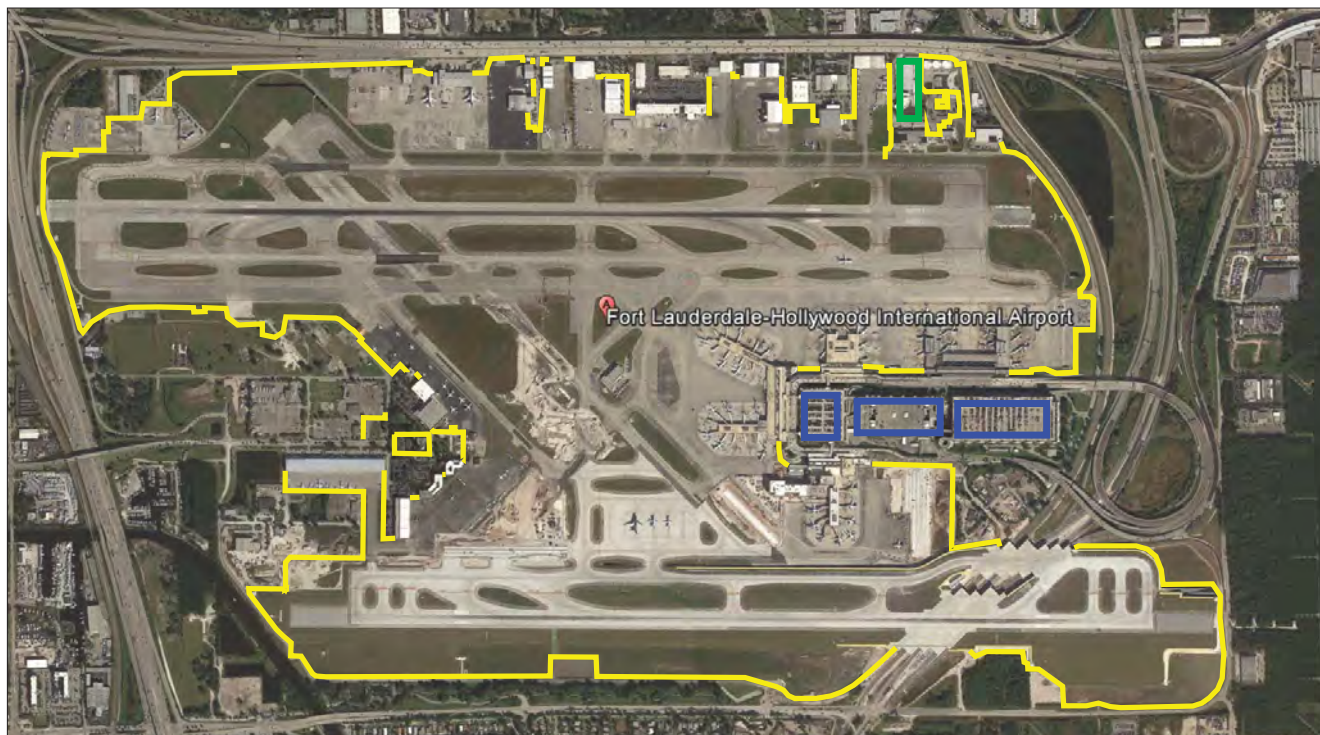


SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  1
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<b>21. TITLE AND LOCATION (City and State)</b>  Professional Consultant Services, Building Projects at Fort Lauderdale-Hollywood International Airport (FLL) & North Perry Airport (HWO) Fort Lauderdale, Florida	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	On-Going	On-Going

<b>23. PROJECT OWNER'S INFORMATION</b>		
<b>a. PROJECT OWNER</b>  Broward County Aviation Department	<b>b. POINT OF CONTACT NAME</b>  Marc Gambrell	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b>  (954) 359-2343   mgambrell@broward.org

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*



Cartaya and Associates is providing architectural services for Broward County Aviation Department as part of a continuing services contract. Services include pre-design, programming, design, construction administration and resident project representative services for new building construction and modifications, alterations and improvements to existing buildings, structures, offices and accessory buildings that are landside and airside at the airports. Some of the projects include:

- Building Renovations for BSO Offices
- Perimeter Security Enhancements (FLL)
- Security Enhancement, Access Control & CCTV (HWO)
- Palm/Hibiscus/Cypress Garage Enhancements
- EOC Build-Out
- FLL Masterplan Peer Review
- Cabot Lobby Security Improvements
- Terminal 1 Concourse B Post Hurricane Irma Condition Assessments
- Terminals 1 & 4 ,Airport Security Building and G&G Building Re-Roofing
- Airport Security Building Renovation
- Terminal Connector Bridges
- Noise Mitigation IFR
- Terminal Crosswalks Upgrade
- Roadway Repairs

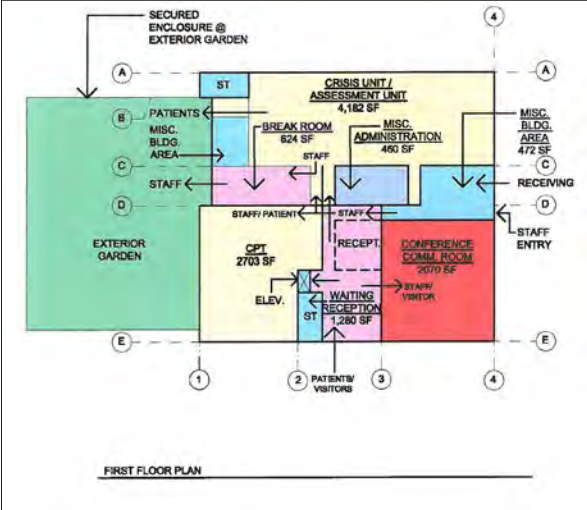
<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>		
<b>a. (1) FIRM NAME</b> Cartaya & Associates Architects	<b>(2) FIRM LOCATION (City and State)</b> Fort Lauderdale, Florida	<b>(3) ROLE</b> Architecture

SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  2
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21. TITLE AND LOCATION (City and State) Broward County Work of a Specified Nature Broward County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2016	-

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Broward County	b. POINT OF CONTACT NAME Ariadna Musarra	c. POINT OF CONTACT TELEPHONE NUMBER (954) 357-6419

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



Our contract with Broward County consisted of a number of projects where we have provided programming services. We have met with County Officials to identify requirements for different departments and then provided a listing of the departments and square footages for each function. In some of these projects we followed up with space diagrams and for others we have continued our work and provided floor plan layouts based on space requirements. Some of the projects under this contract included:

- 27th Street Renderings
- Broward County Supervisor of Elections Facility (SOE) Submittal Review
- Go Solar Program - Various Architectural Services
- Broward Addiction Recovery Center (BARC) Programming and Renovations
- BARC Central Public Relations
- Broward County Supervisor of Elections Facility (SOE) Programming Services
- Broward County South Animal Care Survey
- Ravenswood Bus Maintenance Facility Peer Review for Renovations and an Addition
- Broward County Sexual Assault Treatment Center (SATC) Programming and Renovations
- Bailey Road Improvements
- Port Everglades Terminals No. 2, 19, 21 Improvements

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture

SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b> 3

21. TITLE AND LOCATION (City and State) City Of Pompano Beach Community Redevelopment Agency Continuing Services Contract Pompano Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2014	2014

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City Of Pompano Beach CRA	b. POINT OF CONTACT NAME Horacia Danovich	c. POINT OF CONTACT TELEPHONE NUMBER (954)357-7762

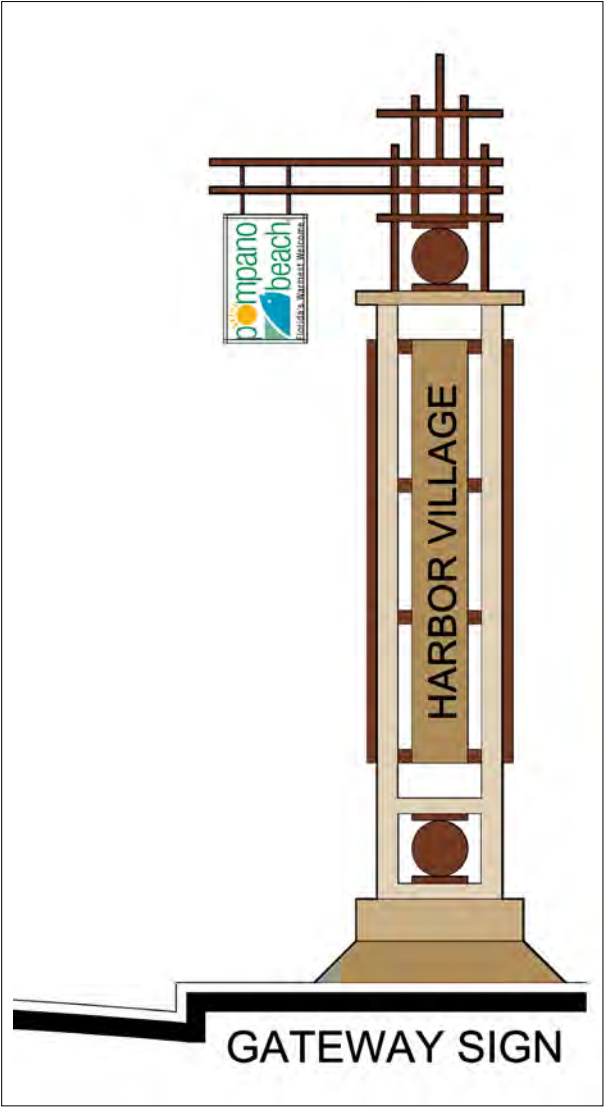
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



Cartaya and Associates Architects provided Architecture and Design Services for various Community Redevelopment Agency projects This Continuing Services Contract included a proposal for the rehabilitation of the Laundromax which was an old existing facility within the District. The purpose of the project was to take the existing facility and make available spaces for new uses such as offices, retail and commercial in order to enhance and improve the occupancy and mixed used of the CRA District.

Another project was the replacement and upgrades of the street lighting along Atlantic Boulevard from A1A to Federal Highway. The improvement of light poles and fixtures met the requirements of the City for improving the aesthetics and function of Atlantic Boulevard within the CRA District.

A third project under this contract was the Harbor Village Sign project. This project included the development of monument signs to identify Harbor Village along Atlantic Boulevard and also follows the aesthetics and function requirements of the CRA District.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya and Associates Architects PA	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture

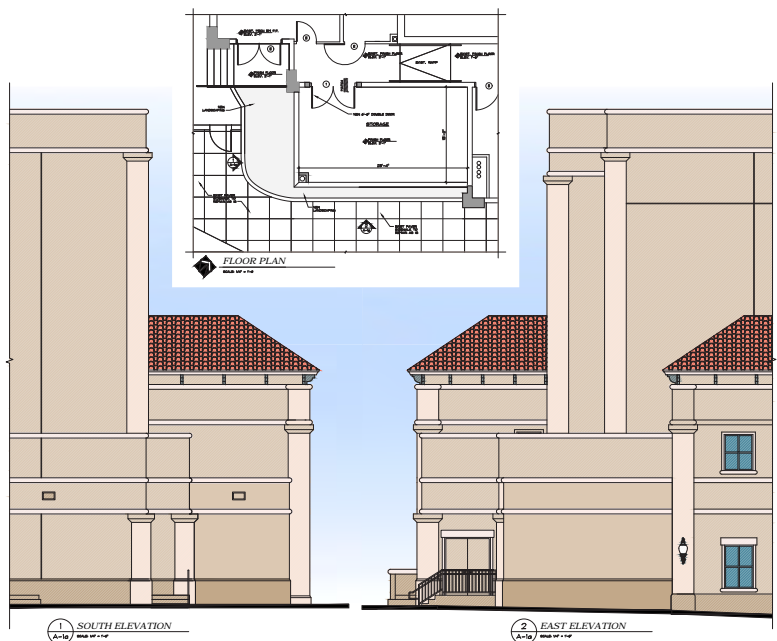


SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b> 4
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21. TITLE AND LOCATION (City and State)  City of Miramar Continuing Services Contract City of Miramar, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2014/2015	2014/2015

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Luisa Millan	c. POINT OF CONTACT TELEPHONE NUMBER (954)602-3316

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>
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This Continuing Services Contract included the Miramar Cultural Arts Storage Addition and the Miramar City Hall Office Renovations and Covered Walk.

The Miramar Cultural Arts Storage Addition project began as an exploration of the existing Cultural Arts Facility to find the best options for additional storage. Our firm looked at the entire facility and identified potential locations for storage. After our evaluation the City selected the location which was an addition to the back of the house of the theater. This addition maintained the architectural language of the building and maintained the same floor and ceiling levels so this space would be conditioned from the existing facility without requiring additional mechanical work.

As stated, all the aesthetics and landscaping requirements from the City of Miramar City Hall and Town Center were met and complied with.

The Miramar City Hall Office Renovations and Covered Walk was actually two projects in one. The first part of this project was the evaluation of existing office space available to the City of Miramar. We looked at the second floor plan layout and adjusted the area to accommodate new office areas. The renovation included the review of Life Safety, Code, Electrical Layout, Mechanical Diffusers and functionality of the space.

The second part of this project was the Covered Walk which intended to connect the second floor of the City Hall building to the second floor of the Cultural Arts Building. This project will benefit the functionality of the two buildings as they will become connected at the second level. The connector would also become an art gallery for pedestrians to use as they circulate from one building to the other. The covered walk was tied architecturally to the two buildings and allowed us to create an entryway into the existing Art Garden.

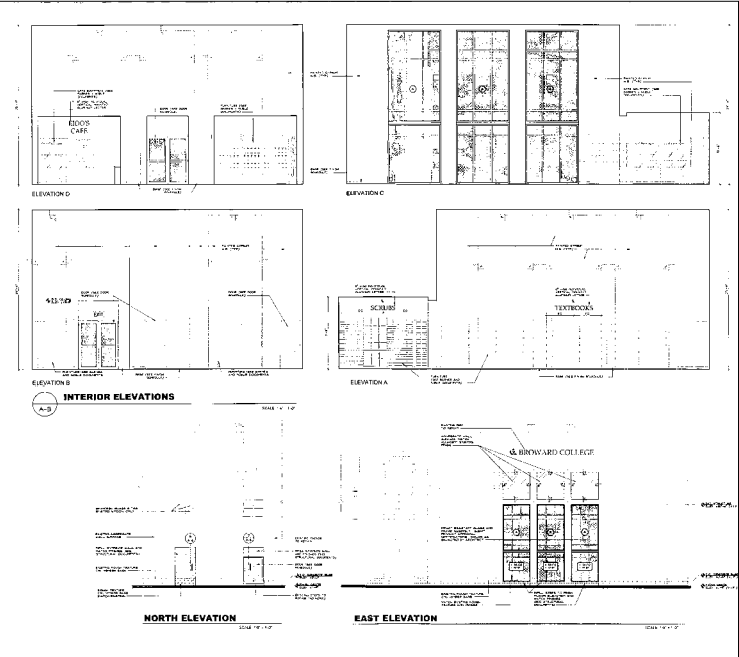
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture



21. TITLE AND LOCATION (City and State) Broward College Continuing Services Contract Davie, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	2017

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Broward College	b. POINT OF CONTACT NAME John Dunnuck	c. POINT OF CONTACT TELEPHONE NUMBER (954) 201-7405

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



This Continuing Services Contract includes the Broward College Security Office Renovation/Remodeling. This project comprised of two parts. The first was the Security Offices which was the relocation of the Police and Security Offices within the campus. This facility provides Office Spaces, Conference Rooms, Locker Room and Restroom Facilities as well as providing a space for storage of the carts regularly used by security personnel on the campus.

The second part of this project was the development of a Student Center which provides Restrooms, Offices, Lounge Areas, Storage Space, Data Rooms and a large student gathering space which can be used for a number of functions including events and meeting.

Another project under this contract was the Broward College Health Sciences Café and Bookstore Renovation/Remodeling. This project comprises of the renovation of an existing open courtyard and transformation of the space into a Bookstore, Student Lounge Area and provision of Offices for this building. The bookstore area is to be managed by Barnes and Noble as is currently agreed by the College. The project has provided full coordination with Barnes and Noble Suppliers and at the same time meets all of the College's standards for renovations and new construction.

The new space provides students with a seating area where they can relax, gather and study and also a café area where various products can be purchased.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture

SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  6
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21. TITLE AND LOCATION (City and State) Pompano Beach Continuing Services Contract Pompano Beach, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	In Progress	In Progress

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT NAME Tammy Good	c. POINT OF CONTACT TELEPHONE NUMBER (954) 786-5512   Tammy.Good1@copbfl.com

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



As part of a Continuing Services Contract, Cartaya is currently providing architectural services for several parks for the City of Pompano Beach. At Pompano Beach Dog Park, Golf Park, and Sandspur Park we are providing services for standalone, solar powered toilet facilities. These facilities will provide the parks with ADAAccessible toilets as well as a Custodial Room and a Solar room.

At Community Park we are providing services for standalone toilet facilities, drinking fountains, storage and custodial space as well as a facility next to the community pool. This facility will provide a Training and First Aid room with showers and locker facilities along with handicap accessible parking adjacent to the entry. The building will also be provided with a pump room and chemical room and provide a chemical room. There will be four (4) bathroom stalls, two of which are handicapped accessible, along with a Custodial room and Solar room. Total square footage is 384 sf.



The intent of the facility is to service both the pool and general community with training and first aid which will be accessible from both the main entry and a second entry from the pool. It will also provide retail space.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture

SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b> 7

21. TITLE AND LOCATION (City and State)  Broward County Housing Authority Continuing Service Broward County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2014	2014

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Broward County Housing Authority	b. POINT OF CONTACT NAME Steve Tise, Sr (Tise Design Associates)	c. POINT OF CONTACT TELEPHONE NUMBER 617-581-6601 Ext. 222

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>
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Cartaya and Associates Architects provided Architectural and Engineering Services for Broward County Housing Authority under a Continuing Services Contract for projects which do not exceed \$2M . Work included surveying existing apartments to develop As-Built drawings and based on the As-Built documents we provided numerous designs for the existing facilities to meet current Street Guidelines for Affordable Housing, ADA requirements and Fair Housing Act Requirements. We also developed plans for kitchen and bathroom renovations as well as general renovations of entire units in some cases. Projects included:

- Meyers Estates Kitchen Renovations
- Griffin Gardens Generator Replacement
- Highland Gardens Generator Replacement
- Meyers Estates Units 401, 402, 702 Revisions
- Everglades Community Center Renovations and New Buildings
- Park Ridge Community Building Renovations
- Park Ridge Court Apartments Renovations
- Griffin Apartments Renovations

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects PA	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture



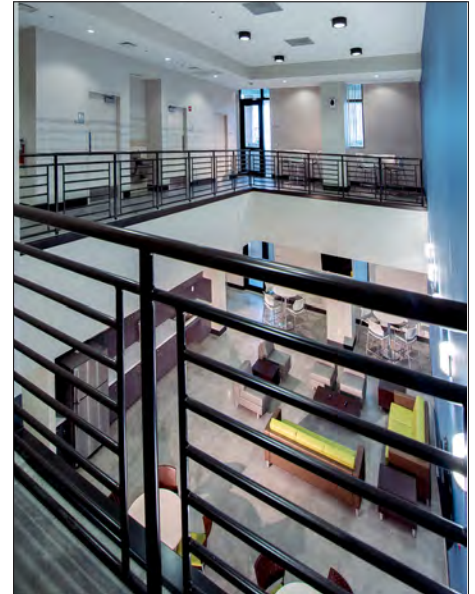
SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  8
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21. TITLE AND LOCATION (City and State)  City of Miramar Police Headquarters Miramar, Florida		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
		2016	2016

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Miramar	b. POINT OF CONTACT NAME Luisa Millan	c. POINT OF CONTACT TELEPHONE NUMBER (954) 602-3316
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



The City of Miramar Police Headquarters and retail area is a part of the Miramar Town Center Master Plans as designed by our firm. This facility is a three story wrap around structure surrounding the Town Center Parking Garage. The building's Mediterranean style inspired exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm.

The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building.

The second and third floor houses the City's Police Department including a sally port entry, holding areas, offices, conference rooms and investigative facilities. This secure building is designed to be bullet-proof inside and outside and withstand Category 5 hurricane events. This facility is LEED Gold Certified and includes a radio room, media center/communications, storage, back up power, and restrooms.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture
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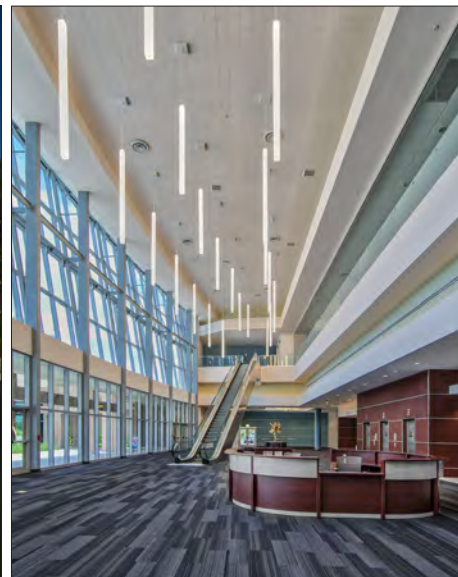


SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  9
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21. TITLE AND LOCATION (City and State)  Pembroke Pines City Center Pembroke Pines, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	2017

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Pembroke Pines	b. POINT OF CONTACT NAME Christina Sorensen	c. POINT OF CONTACT TELEPHONE NUMBER (954)392-2134

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>
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The new Pembroke Pines City Center will be the highlight component of the Pembroke Pines Town Center. The Design includes a 166,895 square foot Civic Center with a 3500 seat acoustically designed Performing Arts / Banquet / Exhibition Grand Hall, a full Service Kitchen, Performing Dressing and Green Rooms, an exquisitely designed Grand Lobby, and the Administrative offices for the City. The stand- alone 6,000 square foot Commission Chambers building will serve as the legislative venue for the elected officials. A 10,000 square foot Art Gallery will define the north end of the Complex. These three buildings surround a multi- media ready Community Plaza where the elected officials and the community can celebrate designated and important times of the year. The whole complex was designed using green practices and good neighbor context.

The design of the buildings is modern and timeless. The 180 foot long and 70 foot high wall of glass separating the Civic Center from the Community Plaza not only provides for great view into and out of the building , but, also signify the transparency between those who govern the City and the governed. The glass wall has a northern exposure in order to minimize heat gain into the building, and allows enough light into the building minimizing the need of electric lighting. The Commission Chambers is also designed with a visual and physical access to the Community Plaza. The Commission Chamber's human scale design reflects the issues discussed at the Commission meetings and the decisions affecting each person of the community in a very human way. The Art Gallery faces the Community Plaza as well. It is composed of pre function and function spaces along with a flexible floor plan layout and a state of the art lighting system.

2016 South Florida Business Journal Structures Award - Best Public/Civic Project

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida
		(3) ROLE Architecture

SF330	<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  10
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21. TITLE AND LOCATION (City and State) Port Everglades Terminal 2 & Terminal 4 Parking Garage Fort Lauderdale, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	In Progress	In Progress (2021)

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Port Everglades/Broward County	b. POINT OF CONTACT NAME John Foglesong	c. POINT OF CONTACT TELEPHONE NUMBER (954) 468-0142   jfoglesong@broward.org

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Broward County is in the process of planning a new hotel and the expansion of the Convention Center at the Northport area of Port Everglades. This will entail the partial demolition of the Northport parking garage which currently accommodates parking for cruise passengers. The Cartaya and Associates Design Team was selected to design a new 1,900 car parking garage on four (4) levels to serve Cruise Terminals 2 and 4. A pedestrian bridge, containing moving walkways will enable passengers using Cruise Terminal 2 to access the ship in air conditioned comfort.

The new parking garage and ground transportation area (GTA) will enhance the cruise passenger experience by alleviating parking demand on the adjacent Northport parking garage and improving passenger drop-off/pick-up operations. Additionally, new traffic routing to access and egress the proposed garage will mitigate congestion along the adjacent Port access roadway, reducing delay for other terminal-bound traffic.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Cartaya & Associates Architects	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale, Florida	(3) ROLE Architecture

## G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

## 29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Professional Consultant Services, Building Projects at Fort Lauderdale-Hollywood International Airport & North Perry Airport	6	City of Pompano Beach Continuing Services Parks
2	Broward County Work of a Specified Nature	7	Broward County Housing Authority
3	City of Pompano Beach CRA Continuing Services	8	Miramar Police Headquarters
4	City of Miramar Continuing Services	9	Pembroke Pines City Center
5	Broward College Continuing Services	10	Port Everglades Terminal 2 and Terminal 4 Parking Garage



30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



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At Cartaya and Associates Architects, we provide a comprehensive array of professional design-related services to governmental, institutional, and private clients. As a result to our commitment to superior quality, we have been recognized with various awards and proclamations.

Since our inception in 1979, we have been the architects for hundreds of diverse projects through out Southeast Florida for over twenty governmental agencies including city halls, performing arts centers, municipal libraries, higher education and K-12 facilities, parking structures, parks, transportation hubs, warehouses, fire stations, water treatment facilities, hotels, commercial buildings, and private residences.

We are committed to support effective communication with our Clients, Consultants, and General Contractors from the Pre-Design Analysis Phase until the completion of Construction, in order to ensure prompt project delivery based on the Owner's expectations and within budget.

#### ARCHITECTURE

We have a profound understanding of the needs that governmental, institutional, and private clients have. Our Firm has been involved in numerous projects including city halls, performing arts centers, municipal libraries, higher education and K-12 facilities, parking structures, parks, transportation hubs, warehouses, fire stations, water treatment facilities, hotels, commercial buildings, and private residences.

#### PLANNING, REDEVELOPMENT & URBAN DESIGN

We have directly advised numerous municipalities through Transit Oriented Developments (TODs) following Smart Growth and New Urbanism's principles. Our vision of Urban Design, Redevelopment and Planning is a comprehensive team-oriented approach that provides our clients with expertise from a broad range of disciplines, and at the same time provides adequate solutions to specific problems directly affecting our clients. Our solutions provide integrated solutions that respond to the social, economic and physical requirements of the built environment.

#### SUSTAINABILITY

Our Firm incorporates many sustainable design elements into all our projects. We make a continuous effort to include LED energy-efficient lighting and fixtures, low VOC paints and sealants, and renewable and recycled materials. We work closely with our clients, engineers and our consultants to insure we meet the goals of Green Design, and ensure a hassle-free application process towards LEED certification.

#### INTERIOR DESIGN

Our Interior Design efforts are focused on delivering livable, inviting and warm spaces that concentrate on the users' well being. By designing volumes, spaces, lighting, materials and colors, we envision our ideas and selections will provide the best comfort and interior experience for our clients and users. It is our experience that every interior space has to be carefully designed to satisfy one person in an office, or a thousand in an auditorium as well as thermal and/or sensorial needs.

#### CONSTRUCTION ADMINISTRATION

Our team strives to provide the best service to our clients, while delivering projects under budget and on time. Our Construction Administration experience is enhanced with a constant interaction and comprehensive coordination with consultants and our internal senior personnel for quality control.





30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



### Broward County Government

- Broward County Judicial Complex
- Fort Lauderdale/Hollywood International Airport: Terminal 1 (Concourse B & C)
- Fort Lauderdale/Hollywood International Airport: Consolidated Rental Car Facility
- Fort Lauderdale/Hollywood International Airport: Vision 2020
- Fort Lauderdale/Hollywood International Airport Master Plan
- Fort Lauderdale/Hollywood International Airport: TSA Renovations
- Fort Lauderdale/Hollywood International Airport: Continental Airways Offices & Land Based Facilities
- Fort Lauderdale/Hollywood International Airport: Terminal 2 In Line Baggage & Ticketing Lobby
- Fort Lauderdale/Hollywood International Airport: Terminal 4 International Concourse H Post Security Enhancements
- Tamarac Branch Library
- Weston Branch Library/Broward College
- Miramar Branch Library/Broward College/NSU
- North Regional Waste Water Treatment Plant
- Port Everglades Terminals 2,19,21, & 26 (Bidding Oversight)
- Supervisor of Elections (Programming)
- Broward Addiction and Recovery Center (Programming)
- Sexual Abuse and Treatment Center (Programming)
- Continuing Services Contract

### Fort Lauderdale

- One Stop Shop (New City Planning, Engineering, & Building Department)
- War Memorial Auditorium Renovations
- Holiday Park Gymnasium Renovations
- Peele Dixie Water Treatment Plant
- Fort Lauderdale City Hall Programming
- Downtown Mobility Study

### Pompano Beach

- Pompano Beach Public Safety Complex Renovations
- Annie Gillis Urban Park Plaza
- Continuing Architectural/Structural Services Contract
- Pompano Water Treatment Plant
- Pompano Air Park Maintenance Facility
- North Broward Park Covered Exterior Basketball Courts
- Mitchell Moore Park Renovations
- Sands Harbor Condominium and Marina



30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



#### City of Hollywood

- City of Hollywood Tri-rail Station Renovations

#### City of Hallandale

- City of Hallandale Water Treatment Plant

#### City of Coconut Creek

- Sabal Park Restrooms
- Public Works Administration Building

#### City of Pembroke Pines

- Pembroke Pines City Hall & Civic Center

#### Florida Atlantic University

- Continuing Services (several projects)

#### Broward College

- Bailey Concert Hall Renovations
- Maroone Automotive Training Center
- Fine Arts Building #6
- Marine Center of Excellence
- A. Hugh Adams Parking Garage & Extension

#### City of Miramar

- Miramar Police Headquarters
- Miramar Town Center Master Plan
- Miramar City Hall
- Miramar Cultural Center & Arts Park
- Sunset Lakes Community Center
- Sunset Lakes Park Fire Station #100
- Elliot J. Covo Fleet Maintenance Facility
- Public Works Office Building
- Miramar 3C Potable Water Tank
- Miramar West Wastewater Treatment Plant
- Miramar East Water Treatment Plant Renovations
- Miramar East Water Treatment Plant (Chemical Feed Bldg.)
- Miramar I-75 Water Storage Tank & Pump Station
- Miramar Water Reclamation Facility
- Miramar Booster Pump Station

#### Broward County School Board

- Seven New and Renovation School Projects

#### Palm Beach School District

- Five New and Renovation School Projects

#### Dade County School Board

- Three New and Renovation School Projects



30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



#### City of Plantation

- Utilities Department Energy Efficiency Team Center
- Pop Travers Park Concession Building Renovation

#### Parks & Public Plazas

- Annie Gillis Park Urban Plaza
- Pop Travers Park Concession Building Renovation
- Broward County Courthouse Civic Plaza
- City of Miramar Cultural Arts Park
- Beauty and Progress Park
- Shirley Branca Park
- Fairway Park
- North Beach Pavilion Park
- Constitution Park/Deerfield
- Cleary Park
- T.Y. Park Corporate Pavilion
- Tradewinds Corporate Pavilion
- Markham Park Corporate Pavilion
- CB Smith Park Corporate Pavilion
- Tradewinds Park Maintenance Compound
- Treetops Park Maintenance Compound
- Carver Ranches Park Covered Exterior Basketball Courts
- St. George Park Covered Exterior Basketball Courts
- Mitchell Moore Park Renovations
- Founders Park
- Rolling Oaks Park
- Saga Lakes Park



#### I. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

31. SIGNATURE

32. DATE

9/8/2020

33. NAME AND TITLE

Deborah Martin, Marketing Manager





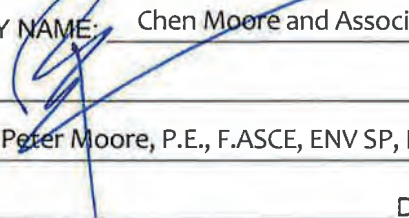


## 12. SCRUTINIZED COMPANIES CERTIFICATE

### Scrutinized Company Certification

I hereby swear or affirm that as of the date below this company is not listed on a Scrutinized Companies list created pursuant to 215.4725, 215.473, or 287.135, Florida Statutes. Pursuant to 287.135, Florida Statutes I further affirm that:

- (1) This company is not participating in a boycott of Israel such that it is not refusing to deal, terminating business activities, or taking other actions to limit commercial relations with Israel, or persons or entities doing business in Israel or in Israeli-controlled territories, in a discriminatory manner.
- (2) This Company does not appear on the Scrutinized Companies with Activities in Sudan List where the State Board of Administration has established the following criteria:
  - Have a material business relationship with the government of Sudan or a government-created project involving oil related, mineral extraction, or power generation activities, or
  - Have a material business relationship involving the supply of military equipment, or
  - Impart minimal benefit to disadvantaged citizens that are typically located in the geographic periphery of Sudan, or
  - Have been complicit in the genocidal campaign in Darfur.
- (3) This Company does not appear on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List where the State Board of Administration has established the following criteria:
  - Have a material business relationship with the government of Iran or a government-created project involving oil related or mineral extraction activities, or
  - Have made material investments with the effect of significantly enhancing Iran's petroleum sector.
- (4) This Company is not engaged in business operations in Cuba or Syria.

VENDOR/COMPANY NAME: Chen Moore and Associates, Inc.  
SIGNATURE:   
PRINTED NAME: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP  
TITLE: President DATE: February 2, 2021

The scrutinized company list is maintained by the State Board of Administration and available at <http://www.sbafla.com/>

# 13. OFFEROR'S QUALIFICATION STATEMENT

## OFFEROR'S QUALIFICATION STATEMENT MCRA RFQ NO. 2021-02

The undersigned certifies under oath the truth and correctness of all statements and of all answers to questions made hereinafter:

SUBMITTED TO: City of Margate (Purchasing Manager)

ADDRESS: 5790 Margate Boulevard  
Margate, Florida 33063

CIRCLE ONE

SUBMITTED BY: Chen Moore and Associates, Inc.

NAME: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

ADDRESS: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

PRINCIPAL OFFICE: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

Corporation

Partnership

Individual

Other

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business. (Attach corporate documents from the State of Florida (sunbiz.org) to this statement.)

The correct name of the Offeror is: Chen Moore and Associates, Inc.

The address of the principal place of business is:  
500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

2. If Offeror is a corporation, answer the following:

a. Date of Incorporation: November 7, 1986

b. State of Incorporation: Florida

c. President's name: Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

d. Vice President's name: Jose L. Acosta, P.E., F.ASCE; Jason McClair, P.E., CFM, LEED AP

e. Secretary's name: Safiya Brea, P.E., LEED AP

f. Treasurer's name: Jason McClair, P.E., CFM, LEED AP

g. Name and address of Resident Agent:

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

3. If Offeror is an individual or a partnership, answer the following:

a. Date of organization: N/A

b. Name, address and ownership units of all partners:

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c. State whether general or limited partnership:

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4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals:

N/A

5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute.

N/A

6. How many years has your organization been in business under its present business name?

10

a. Under what other former names has your organization operated?

Chen and Associates Consulting Engineers, Inc.

7. Indicate registration, license numbers or certificate numbers for the businesses or professions which are the subject of this RFQ. Please attach certificate of competency and/or state registration.

Florida Professional Engineering License: 4593

Landscape Architecture License: LC26000425

8. Have you ever failed to complete any work awarded to you? If so, state when, where and why?

No.

**THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATIONS STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL AND, IF AFTER THE AWARD, TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.**

(Signature)

State of Florida  
County of Broward

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this 2nd day of February, 2021, by Peter Moore, P.E., F.ASCE, ENV SP, who is personally known to me or who has produced \_\_\_\_\_ as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

NOTARY PUBLIC



Johanna Zona  
(Name of Notary Public: Print, Stamp, or Type as Commissioned)



Registry #4593

Logged in as **Barron, Leigh**

### License Menu

Select the function you wish to perform.  
Press "Back" to return to the main menu.

License Issued To:	<b>CHEN MOORE AND ASSOCIATES, INC.</b>
License Status:	<b>Current</b>
Originally Licensed On:	<b>01/09/1987</b> (mm/dd/yyyy)
Expires On:	
Modifiers:	<b>Corporation</b> <b>01/09/1987</b> (mm/dd/yyyy)

### Functions

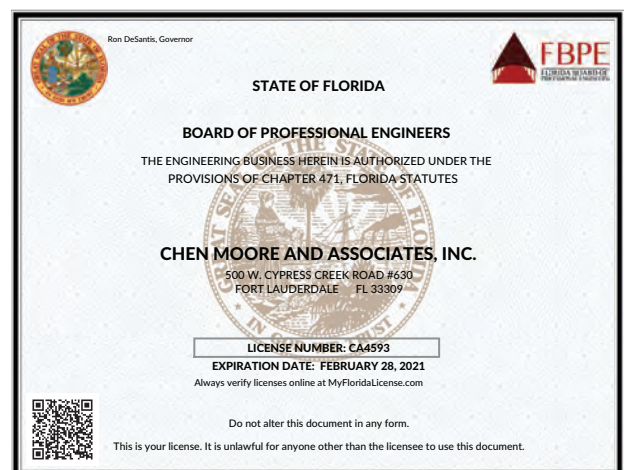
[Address Change](#)

[Remove This License From My Account](#)

[Back](#)

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Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.



# 14. DRUG-FREE WORKPLACE PROGRAM FORM

## DRUG-FREE WORKPLACE PROGRAM FORM

In accordance with Section 287.087, State of Florida Statutes, preference shall be given to businesses with Drug-free Workplace Programs. Whenever two or more bids which are equal with respect to price, quality, and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. In the event that none of the tied vendors have a Drug-free Workplace program in effect, the MCRA reserves the right to make final Decisions in the MCRA'S best interest. In order to have a Drug-free Workplace Program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893, Florida Statutes, or of any controlled substance law of the United States of any State, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by any employee who is convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation.

If bidder's company has a Drug-free Workplace Program, so certify below:

**AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS FIRM COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.**

SIGNATURE OF BIDDER: \_\_\_\_\_

DATE: February 2, 2021

# 15. BYRD-ANTI LOBBYING CERTIFICATION

## BYRD ANTI LOBBYING CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

**To be submitted with each bid or offer exceeding \$100,000**

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, CMA, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. §3801 et seq. apply to this certification and disclosure, if any

\_\_\_\_\_  
Signature of Contractor's Authorized Official

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President  
Name and Title of Contractor's Authorized Official

Date February 2, 2021

## 16. STATEMENT OF COMPLIANCE

### STATEMENT OF COMPLIANCE - SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS

The undersigned Contractor hereby swears under penalty of perjury that Contractor took the following affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms were used when possible:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

Dated February 2, 2021 Chen Moore and Associates, Inc.  
Contractor

By \_\_\_\_\_  
(Signature)

By Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

STATE OF Florida )  
COUNTY OF Broward ) ) SS.

The foregoing instrument was acknowledged before me by means of X physical presence or  
online notarization this 2nd day of February, 2021 by Peter Moore who is personally known to me  
or who has produced \_\_\_\_\_ as identification and who did/did not take an oath. WITNESS  
my hand and official seal, this 2nd day of February, 2021.

(NOTARY SEAL)

\_\_\_\_\_  
(Signature of person taking acknowledgment)

Johanna Zona

\_\_\_\_\_  
(Print Name of Officer taking acknowledgment)

Executive Assistant

\_\_\_\_\_  
(Title or rank)

My Commission expires: 01/24/2022  
(Serial number, if any)





# 17. NON-COLLUSIVE AFFIDAVIT

## NON-COLLUSIVE AFFIDAVIT FORM

State of Florida )

County of Broward )

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP being first duly sworn, deposes and says that:

He/she is the President (Owner, Partner, Officer, Representative or Agent) of Chen Moore and Associates, Inc., the Offeror that has submitted the attached Proposal;

He/she is fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

Such Proposal is genuine and is not a collusive or sham Proposal;

Neither the said Offeror 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 Offeror, firm, or person to submit a collusive or sham Proposal in connection with the Work for which the attached Proposal has been submitted; or to refrain from bidding in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any Offeror, firm, or person to fix the price or prices in the attached Proposal or of any other Offeror, or to fix any overhead, profit, or cost elements of the Proposal price or the Proposal price of any other Offeror, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Work;

The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Offeror or any other of its agents, representatives, owners, employees or parties in interest, including this affiant.

Signed, sealed, and delivered in the presence of:

Witness

Witness

By

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

Printed Name  
President

Title

**ACKNOWLEDGMENT**  
**NON-COLLUSIVE AFFIDAVIT FOR MCRA 2021-02**

State of Florida   Florida  
County of Broward

On this the 2nd day of February, 20 21, before me by means of X physical presence or \_\_\_\_\_  
online notarization, the undersigned Notary Public of the State of Florida, personally appeared

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP

(Name(s) of individual(s) who appeared before notary)

whose name(s) is/are Subscribed to within the instrument, and he/she/they acknowledge that he/she/they  
executed it.

WITNESS my hand and official  
seal.

Johanna Zona  
NOTARY PUBLIC, STATE OF FLORIDA

NOTARY PUBLIC  
SEAL OF OFFICE:



Johanna Zona  
(Name of Notary Public: Print, Stamp, or Type  
As Commissioned)

- ☒ Personally known to me, or  
☐ Produced identification:

\_\_\_\_\_  
(Type of Identification Produced)

☐ DID take an oath, or ☐ DID NOT take an oath

# 18. ADDITIONAL RFQ INFORMATION

## ACKNOWLEDGEMENT FORM

### ADDENDUM NO. 1

### RFQ NO. MCRA 2021-02

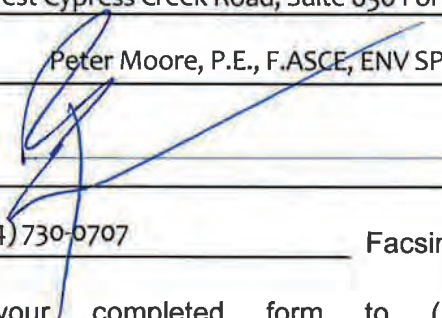
### General Engineering Consulting Services

I acknowledge receipt of Addendum No. 1 for RFQ No. MCRA 2021-02. This addendum contains three (3) pages. Please include the original of this form in your qualifications submission.

Company Name: Chen Moore and Associates, Inc.

Address: 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, FL 33309

Name of Signer Peter Moore, P.E., F.ASCE, ENV SP, LEED AP  
(please print)

Signature:  Date: February 2, 2021

Telephone: (954) 730-0707 Facsimile: (954) 730-2030

Please fax your completed form to (954) 935-5258 or e-mail to [purchase@margatefl.com](mailto:purchase@margatefl.com).

Donna Hicks

Donna Hicks  
Buyer II

Tuesday, January 26, 2021

NOTE: The original of this form must be included with your qualifications submission.

## Resumes

Resumes for our team are included in Section 11 'Standard Form 330'.





chen moore and associates

Corporate Office

*Fort Lauderdale*

500 West Cypress Creek Road, Suite 630  
Fort Lauderdale, FL 33309  
Telephone: +1 (954) 730-0707

Regional Offices

*Miami*

2103 Coral Way, Suite 401  
Miami, FL 33145  
Telephone: +1 (786) 497-1500

*West Palm Beach*

500 Australian Ave. South, Suite 850  
West Palm Beach, FL 33401  
Telephone: +1 (561) 746-6900

*Orlando (Maitland)*

341 North Maitland Ave., Suite 346  
Maitland, FL 32751  
Telephone: (407) 536-7970

Project Offices

*Gainesville*

2233 Northwest 41st Street, Suite 400  
Gainesville, FL 32606  
Telephone: +1 (352) 374-1997

*Tampa*

401 East Jackson Street, Suite 2340  
(SunTrust Financial Center)  
Tampa, FL 33602  
Telephone: +1 (813) 345-5965

*Jacksonville*

9424 Baymeadows Road, Suite 250  
Jacksonville, FL 32256  
Telephone: +1 (904) 712-1002

*Sarasota*

2520 North Tamiami Trail, Suite 15  
Sarasota, FL 34275  
Telephone: +1 (941) 529-1907