



# **Excellence and Innovation built into every design**

*A new beginning for a stronger community.*

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**Continuing Contract for Civil Engineering Services (CCNA)**

**Response to Request for Letter of Interest | RLI 26-003**

**December 18, 2025**

City of Pompano Beach



# Title Page

Request for Letter of Interest | RFI 26-003

Pompano Beach | Continuing Contract for Civil Engineering Services (CCNA)

Decemebr 18, 2025

**Peter Moore, PE, F.ASCE, FACEC, F.FES**

President

Chen Moore and Associates, Inc.

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Fort Lauderdale, FL 33309

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Peter Moore is an official authorized to negotiate and execute a contract on behalf of Chen Moore and Associates, Inc.



**FIRM INFORMATION**  
 Chen Moores and Associates  
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**LETTER  
OF  
TRANSMITTAL**



**December 18, 2025**

City of Pompano Beach | RLI  
26-003 Continuing Contract for Civil  
Engineering Services (CCNA)

**City of Pompano Beach**  
**Purchasing Office**  
**1190 N.E. 3rd Avenue, Building C (Front)**  
**Pompano Beach, Florida 33060**

**Re: RLI 26-003 Continuing Contract for Civil Engineering Services (CCNA)**

Dear Selection Committee,

Chen Moore and Associates, Inc. (CMA) is pleased to submit this response to the Letter of Interest 26-003 for Civil Engineering Services including projects under disciplines of roadway, streetscape, parking lots, water or reuse mains, gravity sewer mains, force mains, lift station or pump station rehabilitation, parks and recreational facilities, seawalls and docks design, stormwater/drainage improvements, consultation and inspection for emergency water/wastewater/stormwater repairs, and canal and lake dredging. CMA has been a respected **Broward based firm** for over 39 years and has continuing service agreements with many of the 31 municipalities within Broward County. CMA is a **full-service firm** with over 170 staff throughout the State of Florida. Our corporate headquarters is in Broward County where 50 of our staff call home.

As Prime Consultant on many Continuing Service Contracts, we have been privileged to work on a variety of projects that exemplify our municipal project expertise. Our team's experience and our project approach will demonstrate our level of understanding of the types of task orders that may be requested through this contract. We believe in the importance of selecting a strong and knowledgeable team that can demonstrate to the Selection/Evaluation Committee (Committee) the high level of experience and commitment to the City of Pompano Beach. Since 2003, CMA has executed multiple contracts for the City Pompano Beach including multiple infrastructure improvement projects, the current continuing services contract and the latest Stormwater and Wastewater Masterplans. Our history with the City helps us understand and better serve to current and future capital improvement needs. Our staff is excited about the opportunity to work with City Boards and Committees as well as the area residents and other interested individuals and groups.

I, **Peter Moore, P.E.**, will be the Principal-in-Charge providing contract oversight and team leadership. Having grown up in the City of Pompano Beach and being a long-time resident of Broward County, my experience, engineering expertise, and key relationships will be of maximum value to the City.

Leading our team as Senior Engineer and Project Manager is **David Castro, P.E.** Mr. Castro was selected not only for his expertise in project management and design but because of his history with the City of Pompano Beach. City staff are familiar with Mr. Castro as a result of his work delivering projects under our existing contract. Mr. Castro has over 11 years of experience as a Civil Engineer, with the majority of his experience in South Florida projects. Throughout his career he has managed projects that include drainage and hydraulic studies, detailed civil design, regulatory permitting and construction of infrastructure improvements. His design expertise is in pipeline design and application of trenchless technologies. Mr. Castro leads a dedicated design team in our Broward County office, which has extensive experience delivering projects from the preliminary phase to detailed design, permitting and construction phase. This team will prove to be of great value and benefit to the City of Pompano Beach.

**George Krawczyk, P.E.** will serve as Deputy Project Manager. Mr. Krawczyk's experience includes extensive design and project delivery as a consultant, and government procedure insight from past municipal management roles. As the secondary CMA point of contact to the City of Pompano Beach, **Jason McClair, P.E., CFM, LEED AP** will serve as our QA/QC Manager, applying historical knowledge of City projects and verifying compliance with city standards.

Assisting the project management team are an array of professional staff that have spent most of their careers involved with some aspects of municipal work in Broward County and through the state of Florida. This team will bring focus to this contract to consistently deliver on-time and on-budget projects, as they have on many projects. These key professionals include **Charmaine**



**December 18, 2025**

City of Pompano Beach | RLI  
26-003 Continuing Contract for Civil  
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**Emanuel, P.E., ENV SP** (Stormwater), **Vincent Locigno, P.E.** (Water and Sanitary Sewer Distribution), **Joel Brownsey, P.E.** (Site Development), **Daniel Diez, P.E.** (Electrical/Lighting), **Eric Harrison, PLA** (Landscape Architecture), **Mallory Welch, P.E.** (Traffic and Transportation Engineering), and **Matt O'Rourke** (Construction Engineering and Inspection). CMA will also be supported by the following subconsultants: **Stoner and Associates** (Surveying), **Longitude Surveyors** (Surveying), **PanGeo Consultants** (Geotechnical Engineering), **Cummins Cederberg** (Coastal Engineering), **MUEngineers** (Structural Engineering), **Chappel Group** (Environmental Permitting), **C&W Engineering** (Electrical Engineering).

The reasons for selecting CMA are presented throughout our RLI Response. We are certain that careful examination of these reasons, summarized below, will provide clear differentiators as to why CMA is best suited for this contract:

**Experience** – CMA has worked with the City of Pompano Beach for over for over two decades. CMA has detailed knowledge of the City Infrastructure having completed the current Stormwater and Wastewater Masterplans. CMA will continue to coordinate with all City Department to ensure efficient planning, design and resilient solutions.

**Municipal Relationships** – CMA has completed work within municipalities neighboring the City of Pompano Beach and holds many municipal contracts; therefore, we have extensive knowledge and experience that results in added value to City of Pompano Beach. We have the experience and relationships needed for delivering successful projects.

**Broward County Team** – CMA is located in Broward County, less than ten (10) minutes from the City. Our corporate office location will allow us to provide prompt and efficient services to the City and the project needs, minimizing response times and expenses.

**Custom Technologies** – As an industry partner with ESRI, the leading developer of Geographic Information Systems (GIS), CMA has developed custom applications for a variety of clients using GIS On-Line, providing real time access to photographs and property information for use in public involvement and daily corrections to the record drawings. CMA also develops custom spreadsheets tailored to various project needs and support design efforts with an array of design and modeling softwares.

**Community Service** – We are leaders in community service and professional society organizations in every corner of Broward County. Our need to serve is a driving factor in the dedication we show in every project.

We look forward to providing professional services to the City of Pompano Beach.

Respectfully submitted,

Peter Moore, P.E., F.ASCE, FACEC, F.FES  
President  
Chen Moore and Associates, Inc.

#### CORPORATE

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Tallahassee  
Atlanta  
Raleigh

**PEOPLE THAT CARE**  
[www.chenmoore.com](http://www.chenmoore.com)

# TECHNICAL APPROACH

### Approach Methodology

Our services will be provided out of our headquarters located in Fort Lauderdale less than ten (10) minutes from the City of Pompano Beach. Our location ensures that we are always available to your staff and ready to respond to any demands or emergencies within a very short period of time.

Prior to the initiation of any Task Orders under this contract, it is paramount that we understand the City's goals and objectives for the project. Each will be unique and have its own set of challenges and requirements. Certain projects will require innovative solutions, others will require detailed design and analysis, while some will just require expediency. As a result of the continued work CMA performs in Broward County for other municipalities, we understand that projects executed through this contract could include a wide variety of services from project planning, surveying, engineering and environmental studies, data collection, hydraulic modeling analysis, detailed design, regulatory permitting, landscape architecture, construction documents, technical specifications, bidding support, contractor recommendations, project closeout, construction administration and construction inspection services.

With many years of municipal experience working in Broward County, CMA fully understands what is required to meet the needs of the City and its residents. Our staff maintains relationships with the City at all levels. Most importantly, we include operations staff in the development of all projects to ensure that each project covers all aspects of the City operation. Our projects will also take into consideration every available study, master plan, and all the system history.

Our project approach is based on over three (3) decades of working on municipal continuing service contracts with our clients. Successful projects are the result of close coordination and effective communication. Which are at the core of CMA principles. This is key to completing projects on-time and within the budget. We've developed a system that is specific to municipal projects like the ones that will be executed through this contract. Our Project Approach to

City Task Order's will generally follow these steps:

### Data Collection and Preliminary Investigations

Upon receiving a Notice to Proceed (NTP) for a Task Order, CMA will contact the City to set up a kick-off meeting to discuss the project scope and schedule in detail. Items to be included:

- Project goals
- Project timeline, submittals, and budget
- Unique characteristics and considerations within the project scope
- Existing available information (master plans, previous studies, utility atlases, as-builts)
- Concurrent City, City or State projects that occur within the project area
- Project stakeholders (City Boards, Committees, Residents, Interested Individuals, Groups, HOAs, public agencies, etc.)
- Regulatory requirements
- Grant funding requirements and deadlines as required

One of the first steps is to contact utility companies, obtain existing as-builts and call for design tickets. It is important we obtain all available existing information early. This also includes obtaining existing reports, previously completed studies, obtaining topographic surveys, collection of geotechnical information, and conducting utility targeting as necessary, as part of the initial investigations phase. We will contact regulatory permitting agencies to establish early communication and attend pre-application meetings to understand potential project constraints. CMA will obtain previously issued permits for the project area as applicable. Data collection Information obtained during this phase include:

- Utility information from all Utility Owners
- Record Drawings
- Identify stakeholders
- Topographic Surveys



- Geotechnical studies
- Previous permits
- Previous studies and reports
- Contaminated sites information
- Coordination with businesses and private owners, if required
- Preliminary meetings with regulatory permitting agencies
- Site visits
- Identify bus routes, schools, places of worship and stakeholders affected by the project

The data collected by CMA is logged into a Utility Tracking spreadsheet that will be shared with the City. We monitor and track the available information and determine if any additional follow-up is required to ensure we have complete information. Refer to sample Utility Tracking spreadsheet below.

CMA will identify contaminated sites adjacent and within the project boundaries. It is important to determine the location of contaminated sites since they can affect construction dewatering methodology; therefore, impacting the project price and schedule.

NAME	COMPANY	STREET ADDRESS	CITY	STATE	ZIP	DATE LETTER SENT	RESPONSE DATE
Mark Caldwell	Sprint	mark.d.caldwell@sprint.com				6/30/2017	
Dino Farruggio	AT&T Distribution	1120 South Rogers Circle	Boca Raton	FL	33487	6/28/2017	
Brian Connelly	Superior Asphalt Inc.	rwallen@pcsfiber.com				6/30/2017	6/30/2017
Yvonne Goldman	Teco people Gas- South Florida	5101 NW 21st Ave, Suite 460	Fort Lauderdale	FL	33309	6/28/2017	
Dean Boyers	MCI	investigations@verizon.com				6/29/2017	6/29/2017
Seyed Hajassadollah	FPL - Transmission					6/28/2017	
Danny Haskett	Fibernet Direct	9250 W Flagler St	Miami	FL	33174	6/28/2017	8/2/2017
Edgar Aguilar	FPL	2455 Port West Blvd, PDC Bldg A	Riviera Beach	FL	33407	6/28/2017	
Maria Rosado (Eland)	Florida Department of Transportation	mrosado@smartsunguide.com				6/28/2017	7/13/2017
Jon Stahl	City of Fort Lauderdale	949 NW 38th ST	Fort Lauderdale	FL	33309	6/28/2017	
Leonard Maxwell-Newbold	Comcast Cable	2601 SW 145 th Ave	Miramar	FL	33027	6/28/2017	7/18/2017
Robert Blount	Broward County Traffic Engineering	2300 W Commercial Blvd	Fort Lauderdale	FL	33309	6/28/2017	7/6/2017
Randy Oliver	Crown Castle	2000 Corporate Drive	Cannonsburg	PA	15317	6/28/2017	7/5/2017

CMA will also identify transit routes and stops, school locations and bus routes, houses of worship and business locations. This information is extremely important as the design develops, however, it is also utilized as we approach the construction administration phase of the project. These stakeholders will be contacted early in the process and will be notified during construction. Refer to sample GIS Transit Routes and Stops map to the right.

**Hydraulic Modeling, Studies & Other Design**

After collecting all existing information, we will move forward with the second phase of our project methodology. In this phase we will develop the required pre-designs, final designs, perform feasibility studies, and perform hydraulic modeling as applicable. All tasks will be performed following the pre- established project schedule.

**Hydraulic Modeling & Other Studies**

CMA has extensive experience with utility infrastructure hydraulic modeling, master planning, feasibility studies, budgeting, and CIP planning. When Task Orders require it, CMA will analyze the City’s existing systems using appropriate modeling software. We have a broad toolbox of software which provides the ability to utilize the most appropriate utility modeling software package depending on the project. Our toolbox for modeling and calculations includes custom spreadsheets, WaterCAD, InfoWater, StormWise (former ICPR), AutoCAD Civil 3D, BoreAid, BMP Trains, and ESRI GIS programs. We are able to provide modeling analysis for any Task Order that may be executed through this contract.



**Preliminary Design**

CMA will meet with City staff to obtain input in the initial stages of the project. All departments

will be included to ensure thorough consideration is given to all aspects of the project. It is important the project design incorporates the best solution while considering long-term maintenance and operation of the infrastructure. Conceptual layouts of the proposed improvements are useful to identify potential conflicts and incorporate revisions prior to proceeding with Construction Documents. CMA develops conceptual layouts within GIS to ensure they are integrated with the utility atlas of the existing underground infrastructure within the project area. As necessary, CMA will digitize any as-built and record drawings provided by CITY within the GIS utility atlas. The conceptual layout process can be completed quickly utilizing our GIS tools. CMA will meet with City staff as necessary during the design process and alternatives can be developed for review with City staff to achieve identified project goals. Estimated project budgets and a timeline to complete the project along with an achieved level-of-service goal will accompany the conceptual layouts. In addition, CMA will identify the constraints of any proposed options and provide alternative solutions. During our coordination meetings with City staff, we will also discuss constructability methods, MOT, regulatory permitting requirements, and findings from our meetings with regulatory agencies. CMA will review concerns with City staff and answer any questions in order to incorporate City input into the identification of the best solution to achieve the project goals.

### Detailed Design

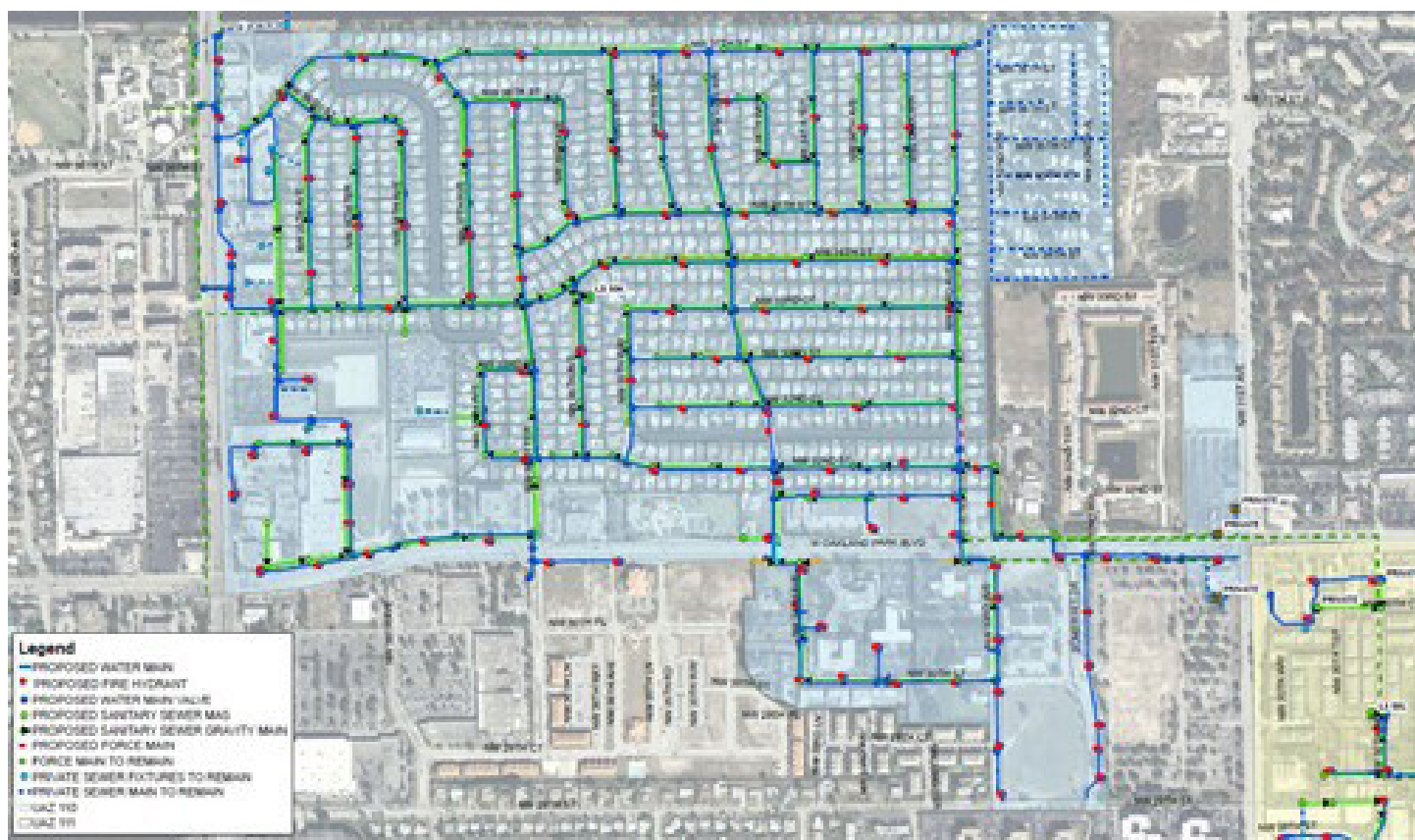
While the general layout of proposed improvements will be determined during the conceptual planning and preliminary design phase, the detailed design phase will define the actual implementation of the proposed improvements during the construction phase. CMA will develop the construction plans based

on all the information gathered during the prior phase.

Construction plans will be produced by combining the data gathered during the conceptual planning stage with the data gathered from survey, geotechnical and SUE tasks. As part of the project design, CMA utilizes the latest available software to develop construction documents. The CMA team utilizes the most current versions of AutoCAD Civil 3D, Revit, ESRI GIS and Microsoft Office 365 to develop construction plans and contract documents. CMA's staff will rigorously examine the plans to address any conflicts with existing utilities, provide all necessary construction details and address regulatory agency requirements noted during permitting. The plans will be reviewed continuously for constructability and efficiency of design. The City will have opportunities to review and provide comments during each of the progress submittals at 30%, 60%, 90% and final completion. Each progress submittal will include design plans, technical specifications and estimates of probable construction cost.

CMA uses a two (2) step process for ensuring estimates of probable construction cost are accurate. It is extremely important that unit prices are correct during the estimating effort. The first step is to consult with underground utility contractors and construction management staff to determine the current bidding climate. The second step is to consult with other public sources, such as various municipal and City purchasing websites, to follow patterns in the bidding of other similar projects.

Coordination is another aspect of the project development that will start at the very beginning and continue through to the end of the project. Through our vast experience delivering municipal design solutions, CMA has learned that a project can only be successful



when open lines of communication exist between the engineer, City, the public stakeholders, various agencies, services providers and other consultants. Only by working together can every stakeholder feel that their individual experience contributed to the successful completion of the project. When a project commences, the CMA Project Manager establishes communication with City through regular phone and email correspondence. We pride ourselves on being responsive to our clients. This practice is continued through the duration of the project in order to ensure a successful project. Our project managers have experience leading project progress meetings, briefing elected officials, participating in construction meetings, meeting with regulatory permitting agencies, and speaking at public meetings involving residents and the community. CMA is also available to attend City Commission meetings upon request.

### Final Construction Documents

Final Design and Construction Documents will be developed to incorporate all City comments. Our typical construction documents will include the design requirements, calculations, technical specifications, bid schedule including quantities, estimates of probable construction cost, project narrative, and a document with all the information compiled during the Data Collection and Preliminary Investigation. The complete set of Construction Documents will be provided to the CITY Project Manager for final review. We will meet with CITY staff and brief them about important changes during the design process. Our final construction documents will consider the following items:

### Regulatory Permitting and Coordination

As discussed earlier in our project approach, coordination with regulatory permitting agencies will begin immediately following the NTP. CMA will contact pertinent permitting agencies to open lines of communication and identify obstacles that could delay permit issuance. Meetings with City, SFWMD, FDEP, US Army Corps, FDOT, EPGMD and all other jurisdictional agencies will be prioritized to expedite the project as needed and to understand potential constraints. We will invite City staff to meetings, prepare an agenda and record meeting minutes.

	<b>Public Access and Bus Routes</b> Design to avoid bus route and pedestrian disruption. Staging areas, project footprint and access will be considered during design to minimize impacts
	<b>MOT - City, County &amp; FDOT Corridors</b> Public R/W will be evaluated. "Conceptual" pre-approval of the layout will be obtained from agencies as necessary. It is important to consider the project location and lane closures prior to bidding the project
	<b>Public Safety &amp; Businesses Operations</b> Determine best route during design to minimize disruptions to stakeholders. Consider residents, schools, parks, places of worship and recreational buildings
	<b>Design around Existing Utilities</b> In addition to obtaining City provided information, we will include design tickets, perform surveys, utility designation, test holes, utility targeting and geotechnical studies. Conflicts will be evaluated
	<b>Construction Staging and Laydown Areas</b> Design shall anticipate laydown areas for efficiency and to minimize disruptions to the community. Determine staging of equipment. Perform constructability reviews by Sr. Inspectors and Sr. Engineers prior to bid

With 38 years of experience, we have long-standing relationships with all regulatory agencies. In the past, we have been able to expedite permitting and certification of many projects for our Clients. CMA understands that close coordination and constant communication are key to project success.

### Construction Administration Services

CMA inspectors are highly knowledgeable in pump stations, stormwater, water and sewer projects, neighborhood improvement projects, storage facilities, utility projects, trenchless technologies such as HDD, pipe bursting, sliplining, CIPP and swagelining. In addition, our engineers and CMA inspectors are trained in the field and hold multiple certifications. A list of our inspectors' certifications include:

- U.S.A.C.E. – Contractor Quality Control Manager
- Radiation Safety Officer
- Nuclear Safety HAZMAT Certificate
- A.C.I. – Concrete & Aggregate Testing Technician
- FDOT CTQP – Concrete, Earthwork, Aggregate, LBR Technician
- FDOT Maintenance of Traffic – Advanced Level
- FDOT – CTQP Asphalt Level 1
- FDOT Earthworks Level 1
- FDOT Concrete Field
- Troxler Radiation Safety Officer
- Troxler Nuclear Density Gauge Operator
- OSHA 8 Hour Trench Safety Course
- PSMJ Project Management Bootcamp
- Florida Stormwater and Sedimentation Control Inspector
- FEC Railroad Contractor Safety
- IMSA Traffic Signal Inspector
- WZTC Certified (NYSDOT)
- NICET Level II
- HDPE Butt Fusion Training ASTM F2620
- NASSCO Pipeline Assessment Certification Program (PACP)
- NASSCO Manhole Assessment Certification Program (LACP)
- NASSCO Lateral Assessment Certification Program (MACP)

### Project Expediting

Chen Moore and Associates is committed to meeting all project schedules and budget requirements. All CMA staff members realize that delivery of projects on-time and on-budget is a key element in meeting our commitments to the City. In order to accomplish this, CMA employs numerous techniques as follows:

- Project Schedule: We will develop a project schedule within a week of NTP. The schedule will be shared with City project Manager and will be updated on a weekly basis. In addition, a progress report will be provided to City to show progress of each task during the project, team responsibilities and individual team member deadlines will be reviewed. It



is important to inform each member of the project team, including CITY staff, of deadline responsibilities.

- Prioritization of tasks: We will work with CITY in prioritizing goals as well as tasks to meet fast-track deliverables. We are highly experienced at fast-tracking projects that require expedited schedules.
- Meet with regulatory agencies and utility owners: The key to expediting permits is to meet with the regulatory agencies prior to initiating permitting. In a pre-application meeting the team gains valuable information which is implemented in the design and permitting phase. Interaction with the regulatory agencies and utility owners from the early inception of the project helps 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.
- CMA makes the commitment that all key personnel on the project team will be dedicated to meet the workload needs of 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 team efficiency.
- Adjust as Necessary: We have learned that adaptability is a great tool to deliver a successful project. Sometimes projects run into unexpected delays. We have learned to adapt and allocate external resources as needed. We can implement creative solutions such as project phasing or running concurrent tasks to bring the project back to schedule.
- Our project team members have previously worked together on numerous projects, which include previous work for the City. Most of the project team members have years of work experience for the City and understands City processes and requirements. CMA will avoid any project delays and project budget overruns due to our previous work experience with

the City. There is no learning curve.

- Chen Moore and Associates offers a large pool of qualified personnel with varying skills and capabilities to meet the work needs of this contract. 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 uses the latest software and hardware to ensure the effective and efficient execution of all work tasks needed to meet schedule requirements. 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.

### Added Value & Cost Savings

Chen Moore and Associates is committed to meeting budget requirements. Through our 39 years of experience in municipal contracts we have developed a series of steps to reduce costs during design and prevent change orders during construction.

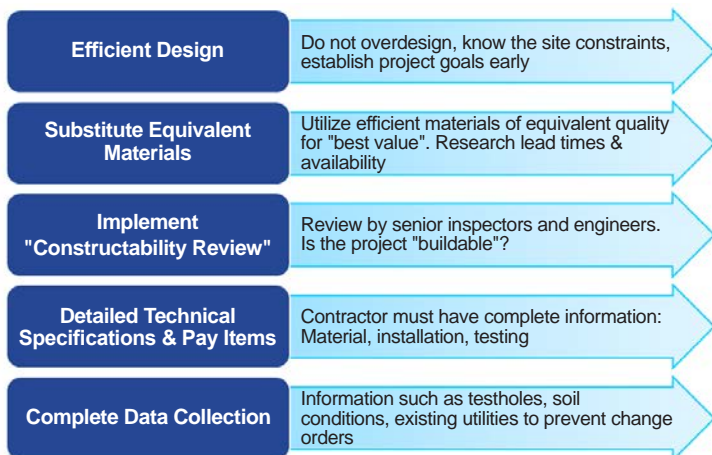
### Quality Control / Quality Assurance

The actual quality control process is integrated into the cost and schedule control review. By completely integrating the process, not only are the plans reviewed for accuracy, but the contract documents are scrutinized, preliminary schedules are developed, cost estimates are created, conflicts are identified, and solutions are developed. In addition to the reviews by CMA staff and peer reviewers, CMA implements software as a non-biased review.

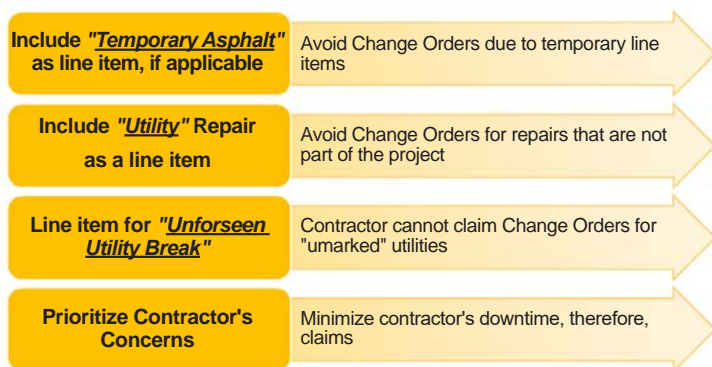
CMA feels that by incorporating schedule control, cost control, cost estimating, and quality control into the standard design and review process, a significant increase in performance is realized. ***These reviews avoid the “surprises” of unrealistic schedules, designs that are not constructible, overextended budgets and unforeseen conflicts.*** By avoiding these concerns, CMA can



During Design



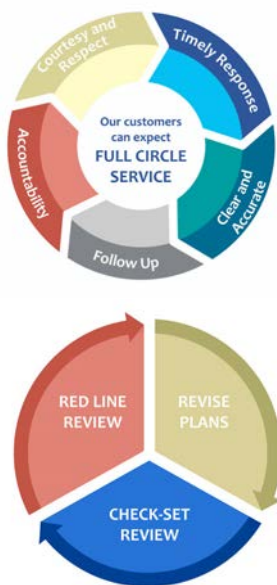
During Construction



complete a project without having to redesign the project, in either the design or construction phases. This leads to a direct time savings for CMA which leads to a direct cost savings for the client.

CMA has made quality assurance (QA) and quality control (QC) a priority and believes that it is the single "most important" element of any project. To ensure the completion of a successful project, it is imperative to develop and implement a QC plan to evaluate project performance and ensure that project objectives are being met. A QC plan will ensure that the right methodology is applied to keep the project on time and on budget. At the end of the project, this process can be used to track overall project progress and assess final goals achieved. These QC strategies require constant tracking, reviewing, and regulating the progress and performance of the project on each phase, regardless of final project objectives, to ensure results match stakeholders' expectations.

QC is enforced to make sure our final products and proposed improvements comply with industry and engineering standards. Plans, specifications, calculations, models,



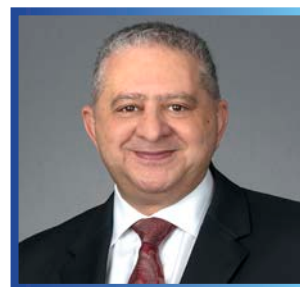
estimates, and other documents will be reviewed for compliance, constructability, safety, value engineering, cost, time, and project specific concerns. The QC process also applies to early and often site visits in the field by QC staff. These site visits supplement utility coordination and will also include a "plans-in-hand" field review at each deliverable stage. Our years of experience along with our established QC process enable us to provide our clients with great service and high-quality product.

The actual QC process is integrated into the cost and schedule control review. The CMA team utilizes internal and external review sessions, constructability reviews, and value engineering sessions to keep the project on schedule and within budget. By completely integrating the process, not only are the plans reviewed for accuracy, but the contract documents are scrutinized, preliminary schedules are developed, cost estimates are created, conflicts are identified, and solutions are developed.

Our team makes use of a series of standard procedures and reports to ensure that all our services are standardized. Our Director of QA/QC, Shahin Hekmat has established a series of steps and protocols for each project deliverable. He and his team will ensure that the CMA QA/QC program is implemented in this contract.

Such reports are used during several stages of a project. Below is a list of the standard reports used by the CMA team:

- **Kick-off meeting report** – This report is a standard template, and it is utilized internally for every project. The report will contain basic information such as project name, project budget, brief description, project manager, and project team members. In addition, the report provides contact information for the owner and client.
- **QA/QC checklists** – Developed by CMA, this checklist is a thorough list of items to be reviewed at each submittal. It also requires the signature of the project manager, CAD technician and QA/QC person responsible on the project.
- **Action item list** – This standard form is utilized to keep the team informed about the project process. The form has an action item list, a responsible person (including clients and third parties), due date for the specific task, and a list for comments.
- **Permit tracker** – This standard form is utilized to track permits and provide updates of the permitting process. It also includes expected dates, dates of permit, and permit date expiration. This list is provided to the client along with all the permits.
- **Construction field reports** – CMA has a series of reports utilized during construction administration services. These include field reports, RFI logs, shop drawing logs, items beyond scope etc.



**Shahin Hekmat, P.E.,  
 F.FES, FACEC  
 Director of Quality  
 Assurance**



**ENGINEERING**

Client Name: \_\_\_\_\_  
 Project Name: \_\_\_\_\_

**REVISIONS:**

Discipline Lead  
 Project Manager  
 Quality Control Reviewer  
 CAD Manager

**COVER SHEET (THE BLOCK)**

- Company name and logo
- Project name
- Client name and logo
- Project number
- Current City/County Commission
- Drawing index (table of contents)
- Project location map
- Legal description of property
- Check spelling
- North arrow (up or to the right)
- Graphic scale
- Match title to each sheet title
- Engineer of Record (R) number and name

**KEY SHEET**

- Include a key sheet in the plans if necessary
- Key map on every sheet if plans are more than one sheet
- Sheet Numbers noted (E.C., W.S., S.W., P.G.D., P.M.E., L.A., D)
- North arrow and scale
- Insert additional general notes for disciplines within plans
- Insert additional general notes as necessary

**GENERAL**

- Checklist for each submittal: OPs, 80%, 90%, 100%
- File tracer for file locations
- Provide cross section at all property lines. Verify elevations
- Consistent tree height and type on all sheets and detail drawings
- Property and right-of-way lines identified with proper line
- Confine appropriate utility (municipality/county name, etc.)
- Check for spelling, numbering, cover sheet, page numbers
- Provide general notes specifically requesting contract points and existing utilities that will be crossed prior to construction
- Delineation Notes address contaminants and local jurisdiction
- General Notes indicating SWPPP are conceptual but the



**PROJECT KICK-OFF MEETING**

Client Name: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 CMA Project Officer:  MEA  JLL  \_\_\_\_\_  
 Kickoff Meeting Date: \_\_\_\_\_  
 CMA Project Team Member: \_\_\_\_\_  
 Principal in Charge: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Quality Control Reviewer: \_\_\_\_\_  
 Project Engineer: \_\_\_\_\_  
 Landscape Architect: \_\_\_\_\_  
 CAD Technician: \_\_\_\_\_  
 Construction Specialist: \_\_\_\_\_  
 Project Submittals

- Survey
- Geotechnical
- Subsurface Utility Engineering
- Electrical Engineering
- Environmental Engineering
- Structural Engineering
- Other: \_\_\_\_\_

**Required Regulatory Agency Approvals**

- Municipality: \_\_\_\_\_
- Utility: \_\_\_\_\_
- Drainage District: \_\_\_\_\_
- County Agencies: \_\_\_\_\_
- State Agencies: \_\_\_\_\_



The color-coded 5-Step review as illustrated by the table below is intended to provide necessary change to the reviewed document and the subsequent steps taken to finalize the QC at the various submittal phases.

QC STEP	ACTION
ORIGINATION	PRINT, CHECK, REVISE, ADHERE TRACKING STAMP
CHECKED	<p><b>YELLOW HIGHLIGHT - CORRECT</b></p> <p>BLUE – INFORMATIONAL, DO NOT INCLUDE ON PLAN</p> <p>RED – CHANGE/ADD INFORMATION AS PRESENTED</p> <p><b>PINK HIGHLIGHT- DELETE/REMOVE</b></p>
CONCURRENCE	<p>GREEN CHECKMARK (✓) – AGREE WITH COMMENT, INCORPORATE</p> <p>GREEN X-OUT (X) – DISAGREE WITH COMMENT, EXCLUDE</p>
CHANGES MADE	<b>GREEN OUTLINE - INCORPORATED</b>
CHANGES VERIFIED	RED CHECKMARK (✓) – COMPLETED, APPROVED

The QC stamp is placed on all items to be reviewed and the completed at every stage of the QC review. Copy of all documents and correspondences are archived once changes have been made.

QUALITY CONTROL TRACKING STAMP			
PLANS			
PHASE _____ % SUBMITTAL REVIEW			
QC STEP		BY	DATE
ORIGINATION	ADHERE STAMP TO COVER/PRINT PACKAGE		
CHECKED	YELLOW HIGHLIGHT – CORRECT RED – CHANGE BLUE – INFORMATION ONLY PINK HIGHLIGHT – REMOVE/DELETE		
CONCURRENCE	GREEN CHECK MARK – AGREE (✓) GREEN X-OUT – DISAGREE (X)		
CHANGES MADE	GREEN OUTLINE - INCORPORATED		
CHANGES VERIFIED	RED CHECK – APPROVE (✓)		

We strongly believe that by working as an extension of City staff and implementing a thorough QC process, we provide an extra layer of Risk Management to the design phase, and the City reviews can focus on coordination issues or stakeholder concerns. These reviews also avoid the “surprises” of unrealistic schedules, designs that are not constructible, overextended budgets, and unforeseen conflicts. By avoiding these concerns, CMA can complete a project without having to redesign the project, in either the design or construction phases. This leads to a direct time savings for CMA which leads to a direct cost savings for the client.

# REFERENCES

# References

Chen Moore and Associates (CMA) is submitting qualifications for the Continuing Contract for Civil Engineering Services (CCNA) and has extensive experience providing professional civil engineering services to municipal clients throughout the tri-county area, including Broward, Palm Beach, and Miami-Dade Counties. CMA meets and exceeds the City's minimum five-year experience requirement for comparable civil engineering services.

CMA's experience includes roadway, streetscape, and parking lot improvements; water and reclaimed water main projects; gravity sewer and force main improvements; lift station and pump station rehabilitation; stormwater and drainage improvement projects; seawall and dock construction and repair; canal and lake dredging; and improvements to parks and recreational facilities. CMA also provides consultation and inspection services for emergency water, wastewater, and stormwater repairs. This breadth of experience demonstrates our ability to perform work consistent with the scope, complexity, and technical requirements of the services requested under this contract.

To further demonstrate our qualifications, CMA has provided three municipal references, the City of Dania Beach, the City of Coral Springs, and the City of Fort Lauderdale. These long-standing public-sector clients reflect CMA's experience delivering projects directly comparable to those outlined in this solicitation.

These references collectively demonstrate CMA's proven ability to deliver high-quality, cost-effective, and compliant civil engineering services for municipal infrastructure projects throughout South Florida.

## The City of Dania Beach

City of Dania Beach  
 Fernando Rodriguez  
 Public Services Director  
 1201 Stirling Road  
 Dania Beach, FL 33004  
[frdriguez@daniabeachfl.gov](mailto:frdriguez@daniabeachfl.gov)  
 (954) 924-6800 x3740

## The City of Coral Springs

City of Coral Springs  
 Najla Zerrouki, P.E.  
 Assistant Director of Public Works  
 9500 W Sample Rd.,  
 Coral Springs, FL 33065  
[nzerrouki@coralsprings.gov](mailto:nzerrouki@coralsprings.gov)  
 (954) 345-2188

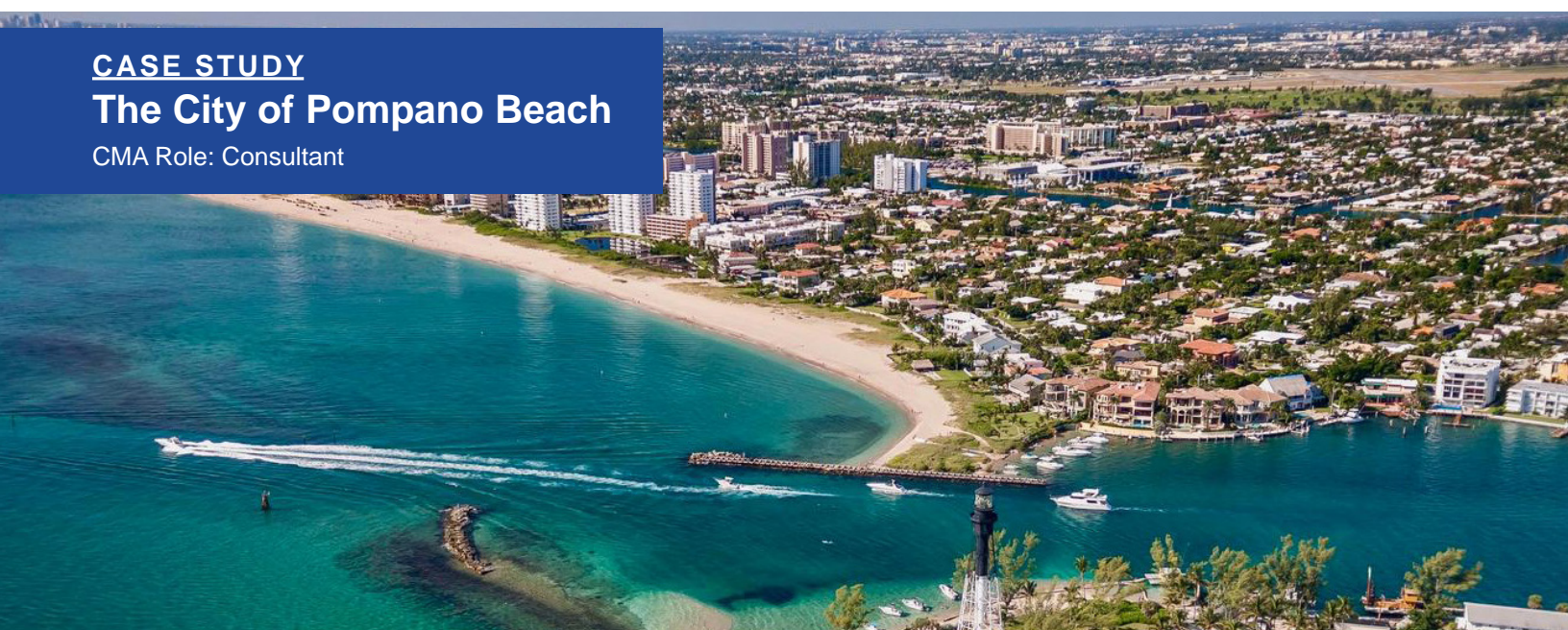
## The City of Ft. Lauderdale

City of Fort Lauderdale  
 Cyrill Garcia | Project Manager II  
 Engineering Division, Public Works  
 Department  
 101 N.E. 3rd Avenue, #2100 Fort  
 Lauderdale, FL 33301  
[CyGarcia@fortlauderdale.gov](mailto:CyGarcia@fortlauderdale.gov)  
 (954) 828-5867

## CASE STUDY

# The City of Pompano Beach

CMA Role: Consultant



Chen Moore and Associates (CMA) has supported the City of Pompano Beach since 2003, completing a wide range of civil and infrastructure projects including the Old Pompano Infrastructure Improvements, the Avondale Stormwater Improvements Project, the City's Stormwater Master Plan, and numerous water main replacements, reclaimed water installations, gravity sewer improvements, force main repairs, and lift station rehabilitations. Our long history with the City has given us a strong understanding of its existing systems and a proven approach for delivering planning, design, permitting, and construction services within established neighborhoods.

CMA has extensive experience supporting the City of Pompano Beach with capital infrastructure projects consistent with the City's approved Capital Improvement Plan (CIP). Our services include roadway, streetscape, and parking improvements; water, reclaimed water, gravity sewer, and force main projects; lift station and pump station rehabilitation; stormwater and drainage improvements; seawall and dock construction and repair; canal and lake dredging; and parks and recreational facilities. CMA also provides consultation and inspection services for emergency water, wastewater, and stormwater repairs. Our long-standing relationship with the City has given us a strong understanding of local infrastructure conditions and challenges.

### Water Resources & Utility Design

Chen Moore and Associates has extensive experience supporting the City of Pompano Beach with water, sewer, and utility infrastructure improvements, including water main replacements, reclaimed water installations, gravity sewer upgrades, force main repairs, and lift station rehabilitations. Our long history with the City has given us a strong understanding of local utility conditions and challenges.

We bring proven expertise in advanced utility design methods such as directional drilling, pipe bursting, swagelining, tremie lift station installation, and pipeline restoration. We are familiar with the City's utility standards and work closely with staff to minimize service interruptions and ensure practical, community-focused designs. This experience allows us to consistently deliver reliable and efficient utility improvements for Pompano Beach.

### Stormwater Engineering

We have extensive stormwater engineering experience with the City of Pompano Beach, built through our work on several major stormwater initiatives, including the City's Stormwater Master Plan. Through this effort, we gained a detailed understanding of the stormwater network, Priority Neighborhoods, and flood-prone areas, and developed conceptual improvements that accounted for high groundwater, tidal influences, aging infrastructure, and limited right of way.

We have completed system evaluations, condition assessments, and drainage improvement designs across the City, using modeling tools such as ICPR4 (StormWise), SWMM, and HEC RAS to identify reliable, long-term solutions. Our team has also supported MS4 permitting, GIS stormwater mapping, and field investigations that guided rehabilitation and replacement needs. This experience provides a strong foundation for delivering effective and resilient stormwater improvements for Pompano Beach.

### Lift & Pump Stations

We have strong experience delivering lift and pump station improvements for the City of Pompano Beach. As part of the Avondale Stormwater Improvements, we evaluated multiple options and recommended a new stormwater pump station to reduce flooding in the neighborhood, completing a detailed preliminary design report that addressed feasibility, permitting, water quality requirements, and system performance.

We also provided Lift Station Replacement Projects for Lift Stations No. 12, 61, and 92, full engineering services for the Lift Station No. 12 Replacement Project, including investigation, surveying, modeling, permitting, design, and limited construction administration. In addition, our work in the Old Pompano Area Improvements includes upgrades to water, sewer, and reclaimed water systems, demonstrating our ability to integrate lift station and utility enhancements into larger neighborhood improvement projects.

### Civil Engineering

We have a long history of providing civil engineering services to the City of Pompano Beach, completing major projects such as the Old Pompano Infrastructure Improvements, the Avondale Stormwater Improvements, South Riverside Drive Stormwater improvements, NE 27th and 16th Stormwater Improvements, and the City’s Stormwater Master Plan. Our past work also includes water main replacements, reclaimed water installations, gravity sewer and force main improvements, lift station rehabilitations, neighborhood enhancements, drainage upgrades, roadway improvements, streetscaping, and park and facility projects.

We bring specialized expertise in the planning, design, permitting, and implementation of municipal infrastructure. Our team understands the City’s standards and expectations and has supported Pompano Beach across water, sewer, stormwater, roadway, and neighborhood improvement projects. This depth of experience allows us to provide responsive, high-quality civil engineering services that align with the City’s long-term goals.

### Transportation Engineering

We bring strong past experience in transportation and streetscape design, grounded in the belief that great neighborhoods are defined by their streets. CMA has delivered a wide range of projects that include streetscape and hardscape enhancements, traffic calming, roadway and intersection improvements, pedestrian and bicycle pathways, roundabout design, parking layouts, street lighting, and multimodal corridor planning. Our team focuses on creating streets that strengthen community character, enhance walkability and cycling, and safely integrate all

modes of travel.

We also bring extensive local roadway experience throughout South Florida. CMA’s engineers are well versed in Palm Beach County, FDOT, and FHWA standards and have completed numerous neighborhood improvement projects that incorporate complete streets and multimodal elements.

### Construction Management & Inspection

We bring strong construction administration experience supporting municipal infrastructure projects in South Florida, including past work for the City of Pompano Beach. Chen Moore and Associates has managed bidding phases, conducted pre-construction meetings, coordinated with utilities and permitting agencies, and established clear communication procedures that help set projects up for success. Our familiarity with the City’s expectations and processes allows us to efficiently guide projects from contract award through construction.

During construction, we provide thorough field observation, documentation, and contractor coordination to ensure work meets the City’s standards. Our team prepares detailed daily reports, verifies materials and testing, responds to RFIs, reviews change requests, and evaluates progress payment applications to protect the City’s interests. We also oversee start-up, testing, punch list completion, and permit closeout, emphasizing accurate and timely Record Drawings. This experience has enabled CMA to deliver reliable, well-managed construction administration services that support high-quality infrastructure improvements for the City of Pompano Beach.

We have supported the City of Pompano Beach for more than two decades, completing major civil, utility, and stormwater projects. Our work also includes water and sewer upgrades, lift station improvements, roadway and streetscape enhancements, and construction-phase services. This long-standing experience gives us a strong understanding of the City’s systems and priorities, allowing us to deliver effective infrastructure solutions.

### History of 5 years of successful projects with City of Pompano Beach

2025	Downtown Pompano Beach (Phase 1)
2025	Pompano LHP Phase 4 Reuse Water Main
2025	NE 27th Ave and NE 16th St Stormwater - CEI
2025	Dewatering Calculations for Lift Station
2025	Lighthouse Point Phase 4 Subaqueous Water Main
2024	Pompano Beach McNab House and Botanical
2024	NE 27 AVE and NE 16 ST Stormwater - CEI
2024	SW 8th Street Drainage Evaluation
2024	LS44 Force Main Replacement
2024	NW 16th Street Drainage Improvements
2023	NW 16 Lane Drainage Impr Site Inspection
2023	AS - Stormwater Improvements NE 27th Ave
2023	Southeast Isles Stormwater Improvements
2023	Stormwater Site Insp/NW 16 Lane Drainage
2023	LS111 Force Main Rehabilitation
2023	Area C Sanitary Sewer Design Services
2023	Circle Drive Construction Services
2023	BSO Substation Drainage Calculations
2023	Ely Museum Parking

2023	North Riverside Drive Force Main Evaluation
2023	Lift Station 61 Post-Design Services
2023	NW 16th Lane Drainage Improvements
2023	NW 10th Street Sewer Extension
2023	NE 3rd Avenue Drainage Improvements
2022	Circle Drive Drainage Improvements
2022	Emergency Reuse WM Consulting - LHP PH-5
2021	Lift Station 61 Rehabilitation
2021	Stormwater Retention Requirements Review
2021	Engineering Services for 20 Year SW Plan
2021	Innovation District Stormwater Permit
2021	Wastewater Master Plan Update
2021	Lift Station 92 Rehabilitation
2021	LS 62 Vibration Study
2020	Avalon Gardens Estates WM Extension
2020	South Riverside Drive Stormwater Improvement
2020	NE 27th Ave & NE 16 St Stormwater Improvement

# PROJECT TEAM FORM

**PROJECT TEAM FORM**

**COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.**

**PROJECT TEAM**

RLI NUMBER RLI 26-003

Federal I.D.# 59-2739866

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	<u>This table has been recreated on page 22.</u>		
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

**SUB-CONSULTANT**

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	<u>This table has been recreated on page 23.</u>	
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

**PRIME PROJECT TEAM**

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years of Experience	Education, Degrees
Principal-In-Charge, Principal Engineer	Peter Moore, P.E., F.ASCE, FACEC	29	Master of Engineering, Civil Engineering, University of Florida Bachelor of Science, Civil Engineering, University of Florida
Project Manager, Senior Engineer	David Castro, PE	11	Bachelor of Science, Civil Engineering, University of Puerto Rico, 2014 Master of Engineering, Civil Engineering, University of Florida, 2023
Deputy Project Manager	George Krawczyk, PE	25	Bachelor of Science, Chemical Engineering, University of Florida, 2000
QA/QC Manager	Jason McClair, PE, CFM, LEED AP	29	Bachelor of Science, Civil Engineering, University of Florida, 1996
Stormwater	Charmaine Emanuels, PE, ENV SP	6	Bachelor of Science, Civil Engineering, Florida International University, 2019
Water & Sanitary Sewer Distribution	Vincent Locigno, PE	8	Bachelor of Science, Civil Engineering, Florida Atlantic University, 2017
Site Development	Joel Brownsey, PE	26	Bachelor of Science, Civil Engineering, Florida Atlantic University, 2014 Bachelor of Arts, Urban Planning, State University of New York at Albany, 2002
Electrical/Lighting	Daniel Diez, PE	9	Bachelor of Science, Electrical Engineering, Florida International University
Landscape Architecture	Eric Harrison, PLA	22	Bachelor Landscape Architecture, University of Florida, 2002 Associate of Arts, Palm Beach Community College, 1996
Traffic & Transportation Engineering	Mallory Welch, PE	17	Bachelor of Science, Civil Engineering, University of Florida, 2007
Construction Engineering & Inspection	Matt O'Rourke	17	FDOT Maintenance of Traffic – Advanced Level FDOT CTQP – Concrete, Earthwork, Aggregate, LBR Technician A.C.I. – Concrete & Aggregate Testing Technician Nuclear Safety HAZMAT Certificate Radiation Safety Officer U.S.A.C.E. – Contractor Quality Control Manager FDOT Project Administrators Construction Academy 2011

## SUBCONSULTANTS

### SUBCONSULTANTS

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	Stoner and Associates 4341 SW 62nd Avenue Davie, FL 33314	James D. Stoner, PSM
Surveying	Longitude Surveyors 800 West Cypress Creek Road Suite 340 Ft. Lauderdale, FL 33309  7700 N. Kendall Drive, Suite 705, Miami, FL 33156	Eduardo Suarez, PSM
Geotechnical Engineering	PAN GEO CONSULTANTS, LLC 8258 W. State Road 84 Davie, Florida 33324	Paul C. Catledge, PE
Coastal Engineering	Cummins Cederberg 888 S. Andrews Ave., Suite 206 Ft. Lauderdale, Florida 33316	Penny Cutt
Structural Engineering	MUEngineers 3440 NE 12th Avenue Oakland Park, FL 33334	Marcus Unterweger, PE, SI, LEED AP
Environmental Permitting	Chappel Group 714 East McNab Road Pompano Beach, FL 33060	Tyler Chappell
Electrical Engineering	C&W Engineering 6903 Vista Parkway North, Suite 10 West Palm Beach, FL 33411 561-642-5333	Michael A. Guida, PE

# *State of Florida Department of State*

I certify from the records of this office that **CHEN MOORE AND ASSOCIATES, INC.** is a corporation organized under the laws of the State of Florida, filed on November 7, 1986.


The document number of this corporation is J41454.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 9, 2025, 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 Ninth day of January, 2025*




  
Secretary of State

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**LICENSEE DETAILS** 12:36:00 PM 11/19/2023

**Licensee Information**

Name:	CHEN MOORE AND ASSOCIATES, INC. (Primary Name)
Main Address:	500 W. CYPRESS CREEK ROAD #600 FORT LAUDERDALE Florida 33309
County:	BROWARD

**License Information**

License Type:	Engineering / Business Registry
Rank:	Registry
License Number:	4593
Status:	Current
Licensure Date:	01/08/1987
Expires:	

**Special Qualifications**      Qualification Effective


--	--

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**LICENSEE DETAILS** 12:05:39 PM 12/26/2023

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**Licensee Information**

Name:	CHEN MOORE AND ASSOCIATES, INC (Primary Name)
Main Address:	500 W CYPRESS CREEK RD STE 630 FORT LAUDERDALE Florida 33309
County:	BROWARD

**License Information**

License Type:	Landscape Architecture Business Information
Rank:	Business Info
License Number:	
Status:	Current
Licensure Date:	03/09/2011
Expires:	

**Special Qualifications**      Qualification Effective

Corporation	03/09/2011
-------------	------------

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--	--

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Ron DeSantis, Governor Melanie S. Griffin, Secretary

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**MOORE, PETER MICHAEL**  
500 WEST CYPRESS CREEK ROAD  
SUITE 600  
FT. LAUDERDALE FL 33309

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**CASTRO FELIU, DAVID EDGARDO**  
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TAMARAC FL 33321

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**KRAWCZYK, GEORGE**  
14880 SW 31ST COURT  
DAVIE FL 33331

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**MCCLAIR, JASON JAMES**  
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**EMANUELS, CHARMAINE CHANTELE**  
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FORT LAUDERDALE FL 33309

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**LOCIGNO, VINCENT WESLEY**  
869 PERIWINKLE STREET  
BOCA RATON FL 33486

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**BROWNSEY, JOEL PETER**  
 2909 NW 10TH AVE  
 WILTON MANORS FL 33311

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**DIEZ, DANIEL**  
 3150 SW 38TH AVENUE  
 MIAMI FL 33146

LICENSE NUMBER: PE92828  
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THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE  
 PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

**HARRISON, ERIC DOUGLAS**  
 CHEN MOORE AND ASSOCIATES, INC  
 2865 SE PERU STREET  
 PORT ST LUCIE FL 34984



LICENSE NUMBER: LA6667129  
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ISSUED: 09/22/2025



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**WELCH, MALLORY JANE**  
 1444 ALDEN ROAD  
 APT 806  
 ORLANDO FL 32803

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**State of Florida  
Department of State**

I certify from the records of this office that STONER & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on September 13, 1988.

The document number of this corporation is M99107.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 6, 2025, 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 Sixth day of January, 2025*



*[Signature]*  
**Secretary of State**

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2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPPFLA(435-7352) or (850) 488-2221

January 17, 2025

JAMES D STONER  
4341 SW 62ND AVE  
DAVIE, FL 33314-3426

SUBJECT: Professional Surveyor and Mapper License # LS4039  
Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.



Professional Surveyor and Mapper  
JAMES D STONER

IS LICENSED under the provisions of Ch. 472 FS  
Expiration date: February 28, 2027

Detach Here



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS4039**  
Expiration Date February 28, 2027

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

JAMES D STONER  
4341 SW 62ND AVE  
DAVIE, FL 33314-3426

*[Signature]*  
WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

**BROWARD COUNTY**  
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

**CERTIFIED**

OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

**THIS CERTIFICATE IS AWARDED TO**

**STONER & ASSOCIATES, INC.**

AS SET FORTH IN THE BROWARD COUNTY BUSINESS OPPORTUNITY ACT THE CERTIFICATION REQUIREMENTS HAVE BEEN MET FOR:

County Business Enterprise (CBE)

Digitally signed by SANDY-MICHAEL MCDONALD  
SANDY-MICHAEL MCDONALD  
DN: cn=Sandy M. McDonald, o=State of Florida, ou=Department of Economic and Small Business Development, email=Sandy.McDonald@fldoe.org

AUTHORIZED REPRESENTATIVE

Anniversary Date: October 29th

THE OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT MUST BE NOTIFIED WITHIN 30 DAYS OF ANY MATERIAL CHANGES IN THE BUSINESS WHICH MAY AFFECT OWNERSHIP AND CONTROL. FAILURE TO DO SO MAY RESULT IN THE REVOCATION OF THIS CERTIFICATE AND/OR IMPOSITION OF OTHER SANCTIONS. A SERVICE OF THE BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS  
[BROWARD.ORG/SMALLBUSINESS](http://BROWARD.ORG/SMALLBUSINESS)

GOVERNMENTAL CENTER ANNEX 115 S. ANDREWS AVENUE, ROOM A680 FORT LAUDERDALE, FL 33301  
TEL: 954-357-6400 • FAX: 954-357-5674 • TTY: 954-357-5664



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPPFLA(435-7352) or (850) 488-2221

January 30, 2025

STONER & ASSOCIATES INC  
4341 SW 62ND AVE  
DAVIE, FL 33314

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB6633

Your application / renewal as a professional surveyor and mapper business as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB6633**  
Expiration Date February 28, 2027

**Professional Surveyor and Mapper Business License**  
Under the provisions of Chapter 472, Florida Statutes

STONER & ASSOCIATES INC  
4341 SW 62ND AVE  
DAVIE, FL 33314

*[Signature]*  
WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

## State of Florida Department of State

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

The document number of this limited liability company is L04000019574.

I further certify that said limited liability company has paid all fees due this office through December 31, 2025, that its most recent annual report was filed on January 6, 2025, and that its status is active.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Sixth day of January, 2025*




  
 Secretary of State


Tracking Number: 0971349537CC

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

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



**CITY OF FORT LAUDERDALE**  
BUSINESS TAX YEAR 2025-26



Business Tax Division  
700 NW 19TH AVE. | FORT LAUDERDALE, FL 33311 | (954) 828 - 5195

**Business ID:** BT-GEN-25010052      **Business Name:** LONGITUDE SURVEYORS, LLC

**Business Address:** 800 NW 62 ST # 340

EDUARDO M SUAREZ  
LONGITUDE SURVEYORS, LLC  
800 NW 62 ST # 340  
FORT LAUDERDALE FL 33309

---

**TAX CATEGORIES**  
508000 PROFESSIONAL SERVICES SUPERGROUP

---

**Contact:** EDUARDO M SUAREZ  
**Business Email:** Kgarzon@Longitudefl.Com

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have closed or moved out of the city, please email [businessstax@fortlauderdale.gov](mailto:businessstax@fortlauderdale.gov), and include the Business ID #.
- A transfer of business location within city limits is subject to zoning approval. Complete a Business Tax Transfer Application online to obtain the necessary approval. A transfer fee of 10% of the Business Tax fee applies, not less than \$3.00, no more than \$25.00.
- If you have sold your business, please email a copy of the Bill of Sale to [businessstax@fortlauderdale.gov](mailto:businessstax@fortlauderdale.gov) and include the Business ID #. A transfer of ownership will incur a transfer fee of 10% of the Business Tax fee, not less than \$3.00, no more than \$25.00.

**Please be advised that this issuance of a Business Tax Receipt establishes that the business you intend to conduct is a use permitted by the City Zoning Code for the location at which you intend to operate. The issuance of a Business Tax Receipt in no way certifies that the property located at this address is in compliance with other provisions of the City Code of Ordinances.**

700 NW 19TH AVE.  
Fort Lauderdale, FL 33311  
TEL 954 828 5195  
WWW.FORTLAUDERDALE.GOV





**CERTIFIED**

**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT**

## THIS CERTIFICATE IS AWARDED TO

Longitude Surveyors, LLC

AS SET FORTH IN THE BROWARD COUNTY BUSINESS OPPORTUNITY ACT, THE CERTIFICATION REQUIREMENTS HAVE BEEN MET FOR:

County Business Enterprise (CBE)

**SANDY-MICHAEL MCDONALD**  
Digitally signed by SANDY-MICHAEL MCDONALD  
Date: 2025.01.16 17:23:54 -05'00'

Anniversary Date: January 16th

THE OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT MUST BE NOTIFIED WITHIN 30 DAYS OF ANY MATERIAL CHANGES IN THE BUSINESS WHICH MAY AFFECT OWNERSHIP AND CONTROL. FAILURE TO DO SO MAY RESULT IN THE REVOCATION OF THIS CERTIFICATE AND/OR IMPOSITION OF OTHER SANCTIONS.  
A SERVICE OF THE BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS  
BROWARD.COUNTY.GOV/ECONDEV

GOVERNMENTAL CENTER ANNEX 115 S. ANDREWS AVENUE, ROOM A680 FORT LAUDERDALE, FL 33301  
TEL: 954-357-6400 • EMAIL: SBCERT@BROWARD.ORG • TTY: 954-357-5664

### BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829  
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

**Business Name:** LONGITUDE SURVEYORS LLC      **Receipt #:** 319-316384  
**Business Type:** ALL OTHERS (LAND SURVEYORS)

**Owner Name:** EDUARDO M SUAREZ      **Business Opened:** 03/12/2004  
**Business Location:** 800 WEST CREEK ROAD SUITE 340 STATE/COUNTY/CERT/REG: FT LAUDERDALE  
**Business Phone:** 305.463.0912      **Exemption Code:**

Rooms	Seats	Employees	Machines	Professionals
		5		

Tax Amount	For Vending Business Only				Vending Type:		Total Paid
	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost		
30.00	0.00	0.00	3.00	0.00	0.00		33.00
Receipt Fee			30.00				

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

**THIS BECOMES A TAX RECEIPT**      This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

**WHEN VALIDATED**

**Mailing Address:**  
EDUARDO M SUAREZ/O: LONGITUDE SURV  
7700 W BENDALL DR STE 705  
MIAMI, FL 33156-7591      **Receipt #:** MW-25-0004517  
**Paid 10/27/2025 33.00**

**2025 - 2026**

### BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-357-4829  
VALID OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026

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**Business Phone:** 305.463.0912      **Exemption Code:**

Rooms	Seats	Employees	Machines	Professionals
		5		

Tax Amount	For Vending Business Only				Vending Type:		Total Paid
	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost		
30.00	0.00	0.00	3.00	0.00	0.00		33.00
Receipt Fee			33.00				

**Receipt #:** MW-25-0004517  
**Paid 10/27/2025 33.00**

**LONGITUDE SURVEYORS | LICENSING & CERTIFICATION**

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPLA(435-7352) or (850) 488-2221

January 29, 2025

GREG D BOUIE  
7230 MCARTHUR PKWY  
HOLLYWOOD, FL 33024-7123

**SUBJECT: Professional Surveyor and Mapper License # LS7169**

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/pdm](http://www.800helpfla.com/pdm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers

License No.: **LS7169**  
Expiration Date: February 28, 2027

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

GREG D BOUIE  
7230 MCARTHUR PKWY  
HOLLYWOOD, FL 33024-7123

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPLA(435-7352) or (850) 488-2221

February 21, 2025

JOHN H ADLER III  
1128 STARDUST WAY  
ROYAL PALM BEACH, FL 33411-3059

**SUBJECT: Professional Surveyor and Mapper License # LS4693**

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/pdm](http://www.800helpfla.com/pdm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers

License No.: **LS4693**  
Expiration Date: February 28, 2027

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

JOHN H ADLER III  
1128 STARDUST WAY  
ROYAL PALM BEACH, FL 33411-3059

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPLA(435-7352) or (850) 488-2221

February 14, 2025

DARRYL J HAUSER  
14310 SOUTHWEST 97TH LANE  
MIAMI, FL 33186

**SUBJECT: Professional Surveyor and Mapper License # LS6277**

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/pdm](http://www.800helpfla.com/pdm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers

License No.: **LS6277**  
Expiration Date: February 28, 2027

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

DARRYL J HAUSER  
14310 SOUTHWEST 97TH LANE  
MIAMI, FL 33186

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPLA(435-7352) or (850) 488-2221

February 28, 2025

EDUARDO M SUAREZ  
7700 N KENDALL DR STE 705  
MIAMI, FL 33156-7591

**SUBJECT: Professional Surveyor and Mapper License # LS6313**

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/pdm](http://www.800helpfla.com/pdm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers

License No.: **LS6313**  
Expiration Date: February 28, 2027

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

EDUARDO M SUAREZ  
7700 N KENDALL DR STE 705  
MIAMI, FL 33156-7591

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500  
800HELPFLA(435-7352) or (850) 488-2221

January 30, 2025

LONGITUDE SURVEYORS, LLC  
7700 N KENDALL DR STE 705  
MIAMI, FL 33156-7591

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB7335

Your application / renewal as a professional surveyor and mapper business as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2027.

You are required to keep your information with the Board current. Please visit our website at [www.800helpfla.com/psm](http://www.800helpfla.com/psm) to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB7335**  
Expiration Date February 28, 2027

**Professional Surveyor and Mapper Business License**

Under the provisions of Chapter 472, Florida Statutes

LONGITUDE SURVEYORS, LLC  
7700 N KENDALL DR STE 705  
MIAMI, FL 33156-7591

WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

# State of Florida Department of State

I certify from the records of this office that PAN GEO CONSULTANTS, LLC is a limited liability company organized under the laws of the State of Florida, filed on February 6, 2017, effective February 6, 2017.

The document number of this limited liability company is L17000028972.

I further certify that said limited liability company has paid all fees due this office through December 31, 2025, that its most recent annual report was filed on March 3, 2025, and that its status is active.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of September, 2025



*[Signature]*  
Secretary of State

Tracking Number: 564399637CU  
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.  
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

ACORD		CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY)		
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.				10/24/2025		
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 Edgewood Partners Ins Center 3780 Mansell Rd, Suite 370 Alpharetta GA 30022			CONTACT NAME: ACEC Certificates PHONE: 770-552-4225 FAX: 770-552-4225 ADDRESS: ACECCertificates@affording.com			
INSURED Pan Geo Consultants 8258 West State Road 84 Fort Lauderdale FL 33324			INSURER(S) AFFORDING COVERAGE INSURER A: Twin City Fire Insurance Company 28459 INSURER C: Pacific Indemnity Company 20346 INSURER D: INSURER E: INSURER F:			
COVERAGES CERTIFICATE NUMBER: 1349474778 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.						
INSURER	TYPE OF INSURANCE	ACORD NUMBER	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXPIR. DATE (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROS <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	20SBLUX566	9/5/2025	9/5/2026		EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (per occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A	AUTOMOBILE LIABILITY ANY AUTO <input type="checkbox"/> OWNED <input type="checkbox"/> SCHEDULED <input type="checkbox"/> AUTOES ONLY <input type="checkbox"/> AUTOES ONLY <input checked="" type="checkbox"/> HIRED <input checked="" type="checkbox"/> AUTOES ONLY UMBRELLA/LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> SOLO <input type="checkbox"/> RESTRICTIONS	20SBLUX566	9/5/2025	9/5/2026		COMBINED SINGLE LIMIT (per person) \$1,000,000 BODILY INJURY (per person) \$ BODILY INJURY (per accident) \$ PROPERTY DAMAGE (per accident) \$ EACH OCCURRENCE \$ AGGREGATE \$ PER STATUTE 20% E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/CLERICAL/EMPLOYEE (Mandatory in FL) If yes, describe below (DESCRIPTION OF OPERATIONS below)	01OH072950925	4/12/2025	4/12/2026		PER 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) State of Florida Department of Transportation (3400 W. Commercial Blvd. Ft. Lauderdale, FL 33309), E4163 Asset Maintenance Contractor Louis Berger Hawthorne Services, Inc. (80 INTERNATIONAL DRIVE, SUITE 130, GREENVILLE SC 29615) and any other entity determined by the insured and named as Additional Insureds with respects to General, Automobile and Umbrella Liability where required by written contract. Should any of the above described policies be cancelled by the issuing insurer before the expiration date thereof, 30 days' written notice (except 10 days for nonpayment of premium) will be provided to the Certificate Holder.						
CERTIFICATE HOLDER			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 <i>[Signature]</i>			
ACORD 25 (2016/03) The ACORD name and logo are registered marks of ACORD. © 1988-2015 ACORD CORPORATION. All rights reserved.						



**BROWARD COUNTY**  
FLORIDA  
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT  
Governmental Center Annex  
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400

August 7, 2025

**ANNIVERSARY DATE: June 27<sup>th</sup>**

Ms. Angelina Lopez Catledge  
**PAN GEO CONSULTANTS, LLC**  
8258 W. State Road 84  
Davie, Florida 33324

Dear Ms. Catledge:

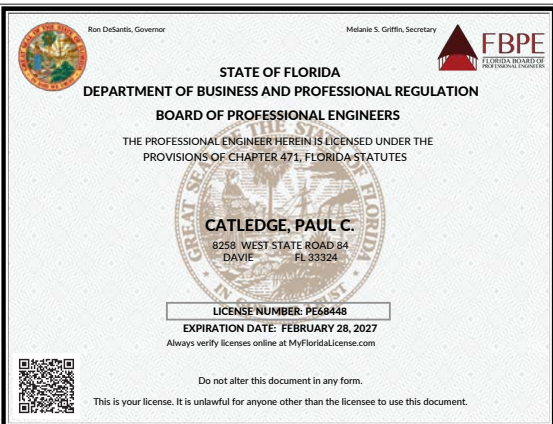
The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's County Business Enterprise (CBE) and Small Business Enterprise (SBE) certifications have been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within **thirty (30) days** from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To access and respond to Broward County's solicitations, you will need to be a registered vendor with Broward County. The current web-based procurement platform is **BPRO**, powered by **Bonfire**. All vendors must complete the vendor registration process in Broward County's **BPRO** system. It is free to do so. Information on how to register your company can be found on the Purchasing Division's webpage: [www.broward.org/Purchasing](http://www.broward.org/Purchasing). Alternatively, you may use your camera to scan the QR code in this letter.



To review current Broward County Government bid opportunities, visit: [www.broward.org/Purchasing](http://www.broward.org/Purchasing) and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in **BPRO** to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via **e-mail** and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.



Broward County Board of County Commissioners  
Mark D. Bogen • Alexandra P. Davis • Lamar P. Fisher • Bevin Fuji • Steve Galbraith • Robert McKinzie • Nan H. Rich • Hazelpe P. Rogers • Michael Urdue  
[www.broward.org](http://www.broward.org)

*State of Florida  
Department of State*

I certify from the records of this office that CUMMINS CEDERBERG, INC. is a corporation organized under the laws of the State of Florida, filed on March 16, 2010, effective March 17, 2010.

The document number of this corporation is P10000023540.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 22, 2025, 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 Twenty-second day of January,  
2025*



*[Signature]*  
Secretary of State

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**CERTIFICATE OF COMPLETION**

This certificate is presented to  
**Gina Chiello**  
**WEDG Associate**

For successfully completing the **WEDG Professionals Course** on June 9-10<sup>th</sup> 2021.  
Given on this day, **June 22, 2021.**

*[Signature]*  
**Karen Imas**  
VP of Programs

*[Signature]*  
**Cortney Koenig-Worrall**  
CEO and President

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION

dbpr Department of Business & Professional Regulation

HOME CONTACT US MY ACCOUNT

12:07:20 PM 2/17/2025

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- ABAT Delinquent Invoice & Activity List Search

**LICENSEE DETAILS**

**Licensee Information**

Name: CUMMINS CEDERBERG, INC. (Primary Name)  
Main Address: 201 ALHAMBRA CIRCLE SUITE 601 CORAL GABLES Florida 33134  
County: DADE

**License Information**

License Type: Engineering Business Registry  
Rank: Registry  
License Number: 29062  
Status: Current  
License Date: 04/02/2010  
Expires:

**Special Qualifications** Qualification Effective

**Alternate Names**

View Related License Information  
View License Complaint

Ron DeSantis, Governor  
Melanie S. Griffin, Secretary

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**HODGES, JACK WILLIAM**  
1444 NW 14TH AVE  
UNIT 2001  
MIAMI FL 33125

**LICENSE NUMBER: PE100709**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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Melanie S. Griffin, Secretary

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**CUNNINGHAM, JONATHON ALLEN**  
5472 SE CABLE DRIVE  
STUART FL 34997

**LICENSE NUMBER: PE92073**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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**CHEIFET, JORDON PHILIP**  
7000 WEST LAKE DRIVE  
WEST PALM BEACH FL 33406

**LICENSE NUMBER: PE72876**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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**State of Florida  
 Department of State**

I certify from the records of this office that MUENGINEERS INC. is a corporation organized under the laws of the State of Florida, filed on December 14, 2010.

The document number of this corporation is P10000100735.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 4, 2025, 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 Fourth day of January, 2025*



  
 Secretary of State

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**Marcus Unterweger**

GREEN BUILDING CERTIFICATION INSTITUTE  
 HEREBY CERTIFIES THAT  
 HAS ACHIEVED THE DESIGNATION OF  
**LEED® ACCREDITED PROFESSIONAL**

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICES  
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 AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™



 December 2, 2008   
 Peter Slaughter, President




**Ricardo Madriz**

GREEN BUILDING CERTIFICATION INSTITUTE  
 HEREBY CERTIFIES THAT  
 HAS ACHIEVED THE DESIGNATION OF  
**LEED® ACCREDITED PROFESSIONAL**

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICES  
 REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY  
 AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™



 June 10, 2009   
 Peter Slaughter, President

Ron DeSantis, Governor  
 Melanie S. Griffin, Secretary




**STATE OF FLORIDA  
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
 BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
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SPECIAL INSPECTOR NUMBER: 7027309

**UNTERWEGER, MARCUS OTMAR**  
 5201 NE 15TH AVENUE  
 FT. LAUDERDALE FL 33334

LICENSE NUMBER: PE69860  
 EXPIRATION DATE: FEBRUARY 28, 2027  
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 Melanie S. Griffin, Secretary




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 BOARD OF PROFESSIONAL ENGINEERS**

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 PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**MADRIZ, RICARDO ADOLFO**  
 2909 NW 10TH AVE  
 WILTON MANORS FL 33311

LICENSE NUMBER: PE68444  
 EXPIRATION DATE: FEBRUARY 28, 2027  
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**LETTER OF INTENT**  
 BETWEEN BIDDER/OFFEROR AND  
 COUNTY BUSINESS ENTERPRISE (CBE) FIRM/SUPPLIER

This form is to be completed and signed for each CBE firm. If the PRIME is a CBE firm, please indicate the percentage performing with your own forces.

Solicitation No.: PNC2129225P1

Project Title: Professional Consultant Services for Airport Studies, Evaluations and Assessments

Bidder/Offeror Name: McInerney, Inc.

Address: 1447 NW 129th Terrace City: Sunrise State: FL Zip: 33323

Authorized Representative: Brian McInerney Phone: 954.299.0739

CBE Firm/Supplier Name: The Chappell Group, Inc.

Address: 714 East McNab Road City: Pompano Beach State: FL Zip: 33060

Authorized Representative: Tyler Chappell Phone: 954-782-1908

- A. This is a letter of intent between the bidder/offeror on this project and a CBE firm for the CBE to perform work on this project.
- B. By signing below, the bidder/offeror is committing to utilize the above-named CBE to perform the work described below.
- C. By signing below, the above-named CBE is committing to perform the work described below.
- D. By signing below, the bidder/offeror and CBE affirm that if the CBE subcontracts any of the work described below, it may only subcontract that work to another CBE.

**Work to be performed by CBE Firm**

Description	NAICS <sup>1</sup>	CBE Contract Amount <sup>2</sup>	CBE Percentage of Total Project Value
Environmental Consulting	541620		3.00 %
			%
			%

**AFFIRMATION:** I hereby affirm that the information above is true and correct.

**CBE Firm/Supplier Authorized Representative**

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**Bidder/Offeror Authorized Representative**

Signature: *BJ* Title: President Date: 4/17/2025

<sup>1</sup> Visit [Census.gov](http://Census.gov) and select [NAICS](#) to search and identify the correct codes. Match type of work with NAICS code as closely as possible.

<sup>2</sup> To be provided only when the solicitation requires that bidder/offeror include a dollar amount in its bid/offer.

*In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.*

Rev.: June 2018

Compliance Form No. 004



**The International Society of Arboriculture**

Hereby Announces That

*Edwin Tyler Chappell*

Has Earned the Credential

**ISA Certified Arborist®**

By successfully meeting ISA Certified Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

*Caitlyn Pollihan*  
 Caitlyn Pollihan  
 CEO & Executive Director

9 August 2010      31 December 2025      FL-6213A  
 Issue Date      Expiration Date      Certification Number



*State of Florida  
 Department of State*

I certify from the records of this office that C & W ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on May 7, 2019.

The document number of this corporation is P19000040067.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 21, 2025, 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 Twenty-first day of January,  
 2025*



  
 Secretary of State

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Ron DeSantis, Governor  
 Melanie S. Griffin, Secretary

**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**BOARD OF PROFESSIONAL ENGINEERS**

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE  
 PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**GUIDA, MICHAEL A.**  
 6903 VISTA PARKWAY N  
 STE 10  
 WEST PALM BEACH FL 33411

**LICENSE NUMBER: PE60755**  
**EXPIRATION DATE: FEBRUARY 28, 2027**  
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**Palm Beach County**  
**Office of Equal Business Opportunity**

Certifies That  
**C&W Engineering, Inc.**  
 Vendor # **VS0000013065**  
 is a Small Business Enterprise (SBE) as prescribed by section 2-80.21 - 2.80.30 of  
 the Palm Beach County Code for a three year period from  
**January 09, 2023 to January 08, 2026**

The following services and/or products are covered under this certification:  
**Air Conditioning, Heating and Ventilating Engineering; Bridge Engineering; Electrical Engineering  
 Including Cogeneration Design Services; Engineering Consulting; Engineering Services (Not  
 Otherwise Classified); Engineering Services, Non-Licensed (Not Otherwise Classified); Highways;  
 Streets; Airport Pay-Parking Lots - Engineering; Industrial Engineering**

  
 Allen Gray, Manager



Palm Beach County Board of County Commissioners  
 Gregg K. Weiss, Mayor  
 Maria Sachs, Vice Mayor  
 Maria G. Martinez  
 David Korman  
 Mary Woodward  
 Sara Baxter  
 Mack Bernard  
 County Administrator  
 Yvonne C. Baker

# ORGANIZATIONAL CHART



**Principal-in-Charge,  
Principal Engineer**  
 Peter Moore, P.E.,  
F.ASCE, FACEC



**QA/QC Manager**  
 Jason McClair, PE, CFM, LEED AP



**Project Manager,  
Senior Engineer**  
 David Castro, PE



**Deputy Project Manager**  
 George Krawczyk, PE

**KEY STAFF**

<b>Stormwater</b> Charmaine Emanuels, PE, ENV SP	<b>Water &amp; Sanitary Sewer Distribution</b> Vincent Locigno, PE	<b>Site Development</b> Joel Brownsey, PE	<b>Electrical/Lighting</b> Daniel Diez, PE
<b>Landscape Architecture</b> Eric Harrison, PLA	<b>Traffic &amp; Transportation Engineering</b> Mallory Welch, PE	<b>Construction Engineering &amp; Inspection</b> Matt O'Rourke	

**SUBCONSULTANTS**

<b>Stoner and Associates</b> <i>Surveying</i>	<b>Longitude Surveyors</b> <i>Surveying</i>	<b>PanGeo Consultants</b> <i>Geotechnical Engineering</i>	<b>Cummins Cederberg</b> <i>Coastal Engineering</i>
<b>MUEngineers</b> <i>Structural Engineering</i>	<b>Chappel Group</b> <i>Environmental Permitting</i>	<b>C&amp;W Engineering</b> <i>Electrical Engineering</i>	

# Workload

CMA makes the commitment that all key personnel on our project team will be dedicated as necessary to meet the workload needs of the City, as we have been doing for decades. All CMA project managers and staff realize that on-time delivery is a key element in meeting our commitments to clients. Because of our resources and qualified personnel, CMA is able to overcome any unforeseen delays by assigning additional staff.

All of CMA proposed staff and resources are immediately available to start work on this project. As mentioned earlier, CMA offers the City a large staff, with varying skills and capabilities, all of whom have worked together on numerous projects. The staff shown in this proposal have years of experience and are eager and available to work on your projects. The chart below reflects our list of active/on-going projects for the project managers listed in this RLI.

Key Personnel (Project Managers)	Project Name	Percent Complete	
<b>David Castro, PE</b>	SW 34th Terrace Stormwater Improvements	76%	
	Lift Station 92 Rehabilitation	86%	
	Tidal Flooding Mitigation & Shoreline	68%	
	TO22 - Victoria Park Stormwater Improv	42%	
	Stormwater Engineering Services 2024	40%	
	LS44 Force Main Replacement	20%	
	NE 27 AVE and NE 16 ST Stormwater - CEI	65%	
	NE 6th Avenue Aerial Crossing	47%	
	NE 27th Ave and NE 16th St Stormwater Co	18%	
	NE 3rd Ave Drainage Improvements	90%	
	Southeast Isles Stormwater Improvements	80%	
	Downtown Pompano Beach (Phase 1)	20%	
	<b>Eric Harrison, PLA</b>	TO 01 AES Expansion Design & Const Sev.	27%
		Coconut Creek Lakeside Park Improvements	86%
TO-03: NW 15 Ave Streetscape Improvement		41%	
NW 16th Street Drainage Improvements		72%	
Ravenswood Road Electric Bus Charging In		78%	
Environmental Permitting Services-Riverw		89%	
University Drive Irrigation Modification		85%	
Broward College IPD Test Track		76%	
Environmental Permitting Serv Wetland Im	65%		
<b>Jason McClair, PE</b>	Misc Stormwater & Wastewater Serv	80%	
<b>George Krawczyk, P.E.</b>	Large Meter Replacement and Sampling	95%	
	TA-001 Lift Station 30 Permitting Assistance	95%	
	CHN-2 Developer Ordinance	95%	
	Lift Station E-06	95%	
	Kindred Triangle/Cross Prairie Parkway E	95%	

Key Personnel (Project Managers)	Project Name	Percent Complete
<b>Vince Locigno, PE</b>	Country Club Ranches Watermain: Phase 2	76%
	Country Club Ranches Raw Water and Force	62%
	Design Serv Pump Station A-5 (P-12899)	17%
	Lighthouse Point Phase 4 Subaqueous WM C	41%
	Country Club Ranches Watermain Phase 3	39%
	LS 42, 54, 59, 68 & 76 Generator Tech	58%
<b>Joel Brownsey, PE</b>	Lift Station & Force Main Analysis	85%
	Colohatchee Park Parking Lot Project	50%
	Lift Stations 3 and 6 Replacement	60%
	Master Lift Station #11 Capacity Upgrade	95%
	Lift Station #1 Replacement	60%
	Lift Station #4 Replacement & Forcemain	75%
	Lift Station #5 Rehabilitation & Forcemain	50%
	Lift Station #7 Rehabilitation & Forcemain	75%

# STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

# Our Team

## Stoner and Associates | Surveying

Stoner & Associates, Inc. was founded in 1988 by James D. Stoner, P.S.M., with a mission to deliver high-quality land surveying services through advanced technology and proven techniques. The firm serves as a trusted consultant to numerous municipalities and agencies, including the Broward County Aviation Department, South Florida Water Management District, Broward College, Town of Davie, City of Fort Lauderdale, and City of Sunrise, and has completed surveys for a wide range of public and private clients throughout South Florida's Tri-County area.

## Longitude Surveyors | Surveying

Longitude Surveyors, established in 2004, has provided comprehensive surveying and mapping services across South Florida for over twenty years. Known for accuracy, responsiveness, and technical excellence, we support numerous municipalities, counties, and state agencies, including FDOT and several Broward County cities. Our services include boundary, topographic, right-of-way, and construction surveying, as well as SUE, GIS mapping, and 3D laser scanning. Our team of Professional Surveyors and Mappers, senior technicians, and field crews use advanced technology and strict quality control to ensure precise, efficient results. With a proven record of timely, high-quality work, Longitude is well equipped to support the City of Pompano Beach, leveraging extensive experience in municipal infrastructure, roadway projects, and right-of-way mapping.

## Pangeo Consultants | Geotechnical Engineering

Pan Geo Consultants, LLC is a Broward County-based geotechnical and structural engineering firm with 21 years of experience. Founded by Paul C. Catledge, P.E., and Angelina López Catledge, BLA, M.S., the firm is dedicated to delivering responsive, innovative, and cost-effective solutions. Specializing in geotechnical engineering across South Florida, Pan Geo Consultants provides comprehensive services, from site feasibility and due diligence studies to detailed geotechnical and forensic analyses. Expertise includes subsurface exploration, foundation and retaining structure design, slope stability, forensic evaluations, and peer review. PGC also offers construction phase services such as pile installation inspections (auger cast, driven, and sheet piles), ground modification and chemical grouting oversight, quality assurance testing, and structural inspections to ensure compliance with contract documents.

## Cummins Cederberg | Coastal Engineering

Cummins Cederberg is a Florida-based coastal and marine engineering firm founded in 2010, specializing in resilient, data-driven solutions for coastal communities. The firm's multidisciplinary team of engineers, marine biologists, oceanographers, and regulatory specialists integrates technical expertise, environmental stewardship,

and regulatory insight to deliver sustainable results across Florida and the Caribbean. Cummins Cederberg provides comprehensive services for marinas, bulkheads, jetties, reefs, and flood mitigation systems, supported by advanced modeling tools such as MIKE21, Delft3D/SWAN, SMS/ADCIRC, and OpenFOAM. With extensive permitting experience, including former FDEP staff, the firm manages projects from design through construction administration, ensuring compliant and resilient coastal infrastructure.

## MUEngineers | Structural Engineering

Founded in 2010, MUEngineers, Inc. is a full-service structural engineering and inspection firm delivering innovative, cost-effective solutions for projects of all sizes, from single-story buildings to high-rise developments. The firm provides comprehensive services including structural design, assessments, inspections, restoration, and specialty engineering for commercial, residential, and public-sector clients. With extensive experience in new construction, renovations, and infrastructure restoration, MUE is a trusted partner for both private and public projects throughout Florida.

## Chappell Group | Environmental Permitting

The Chappell Group is a certified WBE/CDBE/SBE firm that covers the specialized fields of wetlands delineation, marina and wetland permitting, marina design, wetland mitigation, and monitoring; threatened and endangered species surveys and habitat management plans; environmental impact assessments; Phase I environmental site assessments; benthic surveys; and all forms of environmental permitting and compliance for Federal, State, and local agencies. In this regard, TCG is unique because engineering, environmental, regulatory, scientific, and operational field expertise are available for multi-disciplinary projects.

## C&W Engineering | Electrical Engineering

Established in 1992, C&W provides electrical and instrumentation and control (I&C) engineering and construction services with a specialization in municipal facilities. A certified local Small Business Enterprise (SBE) centrally located in West Palm Beach, Florida, C&W serves civil engineering firms, municipalities, and private industry throughout southeast, southwest, and central Florida. With expertise in water and wastewater treatment plants, pump stations, photometric analysis, roadway and parking lot lighting, power distribution, and I&C, SCADA, and telemetry systems, C&W has delivered trusted electrical and I&C subconsultant services for over 30 years on numerous wastewater, stormwater, and large-scale infrastructure projects.

## Select Relevant Experience

Our team possesses the professional licenses, experience, and technical expertise necessary to perform all services within these disciplines. We have extensive municipal experience throughout South Florida and are fully capable of providing comprehensive planning, design, engineering, permitting, construction administration, and project management support. Our multidisciplinary team is well-versed in delivering high-quality, cost-effective solutions for complex infrastructure, environmental, and beautification projects. We are committed to maintaining sound financial practices, adhering to project budgets and schedules, and ensuring full compliance with all applicable regulations and professional standards. Please see below for select relevant experience. Projects sheets with references to follow.

<b>The Galt Ocean Mile Corridor Streetscape Concepts and Improvement</b>	Roadway, Streetscape, or Parking Lot projects.
<b>Country Club Ranches Phase 1A</b>	Water or Reuse Main projects.
<b>UAZ 245 Watermain Replacement</b>	Gravity Sewer Main projects.
<b>UAZ Water Sewer Improvements 110/111/113B</b>	Water or Reuse Main projects.
<b>Reclaim Watermain Projects</b>	Water or Reuse Main projects.
<b>Lift Station 92 Rehabilitation</b>	Lift station/pump station rehabilitation projects.
<b>Lift Station 61 Rehabilitation</b>	Lift station/pump station rehabilitation projects.
<b>Area C Sanitary Sewer Design Services</b>	Gravity Sewer Main projects.
<b>Circle Drive</b>	Storm Water/Drainage Improvement projects
<b>South Riverside Drive Stormwater Improvements</b>	Storm Water/Drainage Improvement projects
<b>Dover Ditch Water Quality Improvement Plan</b>	Canal and lake dredging.
<b>North Lauderdale Culverts Replacements</b>	Canal and lake dredging.
<b>Lift Station 111 Force Main Rehabilitation</b>	Consultation for Emergency Water/Wastewater/Stormwater Repairs.
<b>Emergency Bypass 48" Force Main</b>	Consultation for Emergency Water/Wastewater/Stormwater Repairs.
<b>New River Watermain Phase II, CEI</b>	Inspection Services for Emergency Water/Wastewater/Stormwater Repairs.
<b>Curry Park Phase I &amp; II</b>	Parks and Recreational Facilities.
<b>Open Space and Recreation Master Plan</b>	Parks and Recreational Facilities.
<b>Oakland Park Master Planning and Visioning</b>	Parks and Recreational Facilities.

**ROADWAY, STREETSCAPES, & PARKING LOTS**

**The Galt Ocean Mile Corridor Streetscape Concepts and Improvement**  
 Ft. Lauderdale, FL

**Description:** The purpose of this project was to develop a conceptual design and opinion of probable cost to upgrade and beautify the Galt Ocean Mile corridor, emphasizing traffic calming and bicyclist and pedestrian improvements. The scope was based on public engagement and concepts performed and developed by the City of Fort Lauderdale. The proposed upgrades included milling and resurfacing of roadway; re-striping; bike lanes; sidewalk widening; relocation of existing trees; replacement/addition of landscape material; new streetlight fixtures; decorative paver hardscape incorporated into sidewalks, unloading areas, & crosswalks; raised crosswalks and/or raised intersections; and landscape lighting.

After designing the conceptual plans for the Galt Mile Streetscape Project, CMA was contracted to provide full contract documents for the design and construction of the corridor. The purpose of this project was to develop a conceptual design and opinion of probable cost to upgrade and beautify the Galt Ocean Mile corridor, emphasizing traffic calming and bicyclist and pedestrian improvements. The proposed upgrades included milling and resurfacing of roadway; re-striping; bike lanes; sidewalk widening; relocation of existing trees; replacement and addition of landscape material; new streetlight fixtures; decorative paver hardscape incorporated into sidewalks, unloading areas, & crosswalks; raised crosswalks and/or raised intersections; and landscape lighting.

**Client:**

The City of Ft. Lauderdale  
 Gary Foster  
 Construction Manager, Sr. Project Manager  
 100 N Andrews Avenue, 21st Floor  
 Ft. Lauderdale, FL, 33301  
 gfooster@fortlauderdale.gov  
 (954) 828-5064

**Total Project Cost:** \$460,197

**Total CMA Fee:** \$301,225

**Dates:** 2023 - 2024



## WATER OR REUSE MAIN PROJECTS

# Country Club Ranches Phase 1A Miramar, FL

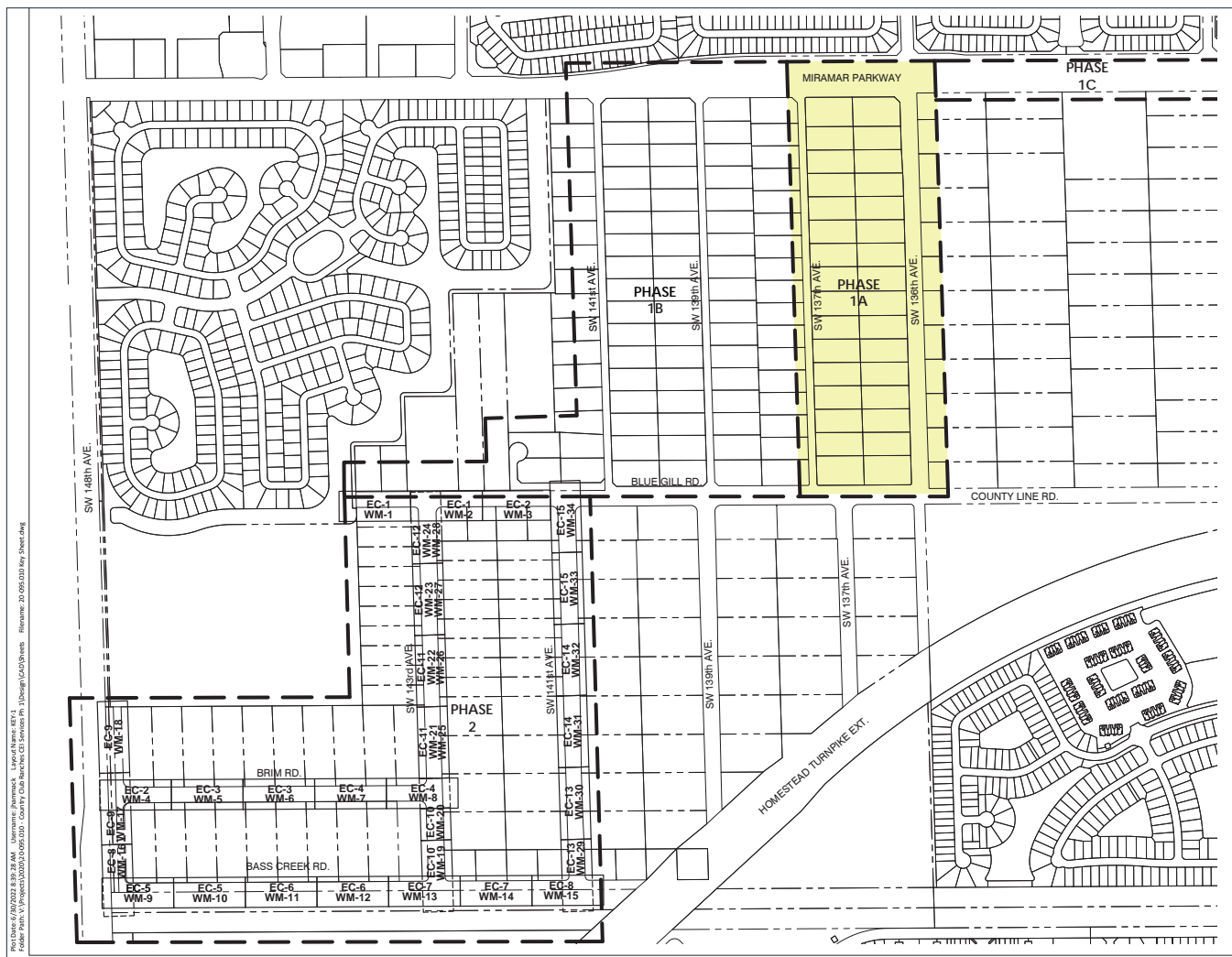
**Description:** Under a previous contract, the City of Miramar retained CMA to provide civil engineering design services for the County Club Ranches Watermain Improvements project. In a new scope, the City requested CMA to provide construction engineering services for the phase 1A watermain improvements. The Country Club Ranches Neighborhood is bound Miramar Parkway to the north, Flamingo Road to the east, Florida Turnpike and SW 48th Court to the south and SW 148th Avenue to the west. The Country Club Ranches community contains 364 lots, primarily residential, currently served by private wells and septic tanks. Phase 1 of the neighborhood bounded by SW 141st Avenue to the west, Miramar Parkway to the north, Blue Gill Road to the south and SW 136th Avenue to the east. This phase included approximately 16,000 linear feet of proposed watermain. CMA's services included bidding assistance, public coordination, shop drawing review, construction meetings, RFI responses, and construction inspections.

**Client:**  
 City of Miramar  
 Ronnie Navarro  
 Assistant Director | Utilities Department  
 13900 Pembroke Road  
 Building L - 1st Floor  
 Miramar, FL 33027  
 rsnavarro@miramarfl.gov  
 (954) 883-6825

**Total Project Cost:** \$397,770

**Total CMA Fee:** \$344,460

**Dates:** 2024 - Ongoing



# GRAVITY SEWER MAIN PROJECTS

## UAZ 245 Watermain Replacement

### Pompano Beach, FL

**Description:** This project includes design, permitting, and construction services required for the installation of a new water main to replace the existing water main within UAZ 245. The project area falls within the City of Pompano Beach and is located south of Copans Road, north of NE 21st Court, west of Dixie Highway, and east of North Cypress Road. The project is estimated to include approximately 6,500 linear feet of existing water main to be replaced. Chen Moore and Associates (CMA) provided design, permitting, and construction services on behalf of Broward County Water and Wastewater Services (BCWWS) on this project according to the scope of services.

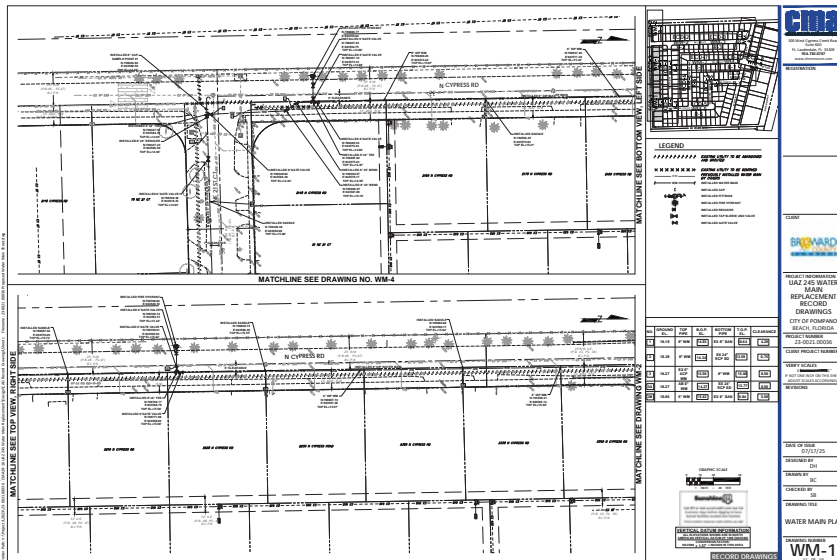
**Client:**

Broward County  
 David Campbell  
 2555 West Copans Road  
 Pompano Beach, Florida, 33069  
 dacampbell@broward.org  
 (954) 831-0765

**Total Project Cost:** \$238,177

**Total CMA Fee:** \$168,595

**Dates:** 2023 - 2024



**WATER OR REUSE MAIN PROJECTS**

**UAZ Water Sewer Improvements 110/111/113B**  
 Broward County, FL

**Description:** The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project included 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 that was replaced consisted of approximately 168,100 LF of water mains, 122,100 LF of sanitary sewer mains, and 11,700 LF force main. The existing water main consisted of asbestos cement, cast iron, ductile iron, galvanized steel, and polyvinyl chloride pipe ranging from 2" - 24" in diameter size. The sanitary sewer consisted 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 consisted of asbestos cement, cured in place liner, ductile iron, and polyvinyl chloride pipe ranging from 6" - 16" in diameter size. There were 8 Broward County lift stations in these UAZ areas and 1 private lift station which sanitary sewer systems needed to connect to. Two of these stations needed rehabilitation/replacement. The restoration of roadways, sidewalks, driveways, and landscape areas needed to be performed as needed for water and sanitary sewer improvement construction.

The Water and Sanitary Sewer Improvements for the UAZ 110/111 & 113 Project included 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. CMA provided CEI services for the project. This project was broken down into 3 phases as follows:

Broward County UAZ 113A: The project included the installation of 22,000 linear feet of gravity sewer, 5,800 linear feet of force main, and 29,800 linear feet of water main. The total project included 57,600 linear feet of pipe.

Broward County UAZ 113B: The project included the installation of 42,700 linear feet of gravity sewer, 1,500 linear feet of force main, and 66,200 linear feet of water main. The total project included 110,400 linear feet of pipe.

Broward County UAZ 110/111: The project included the installation of 57,400 linear feet of gravity sewer, 4,400 linear feet of force main, and 72,100 linear feet of water main. The total project included 133,900 linear feet of pipe.

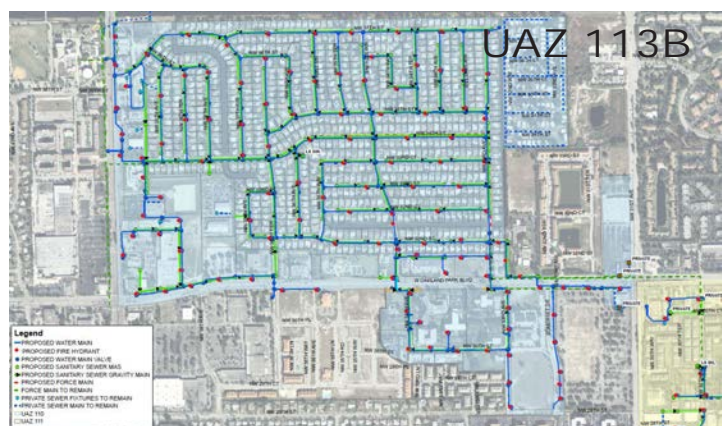
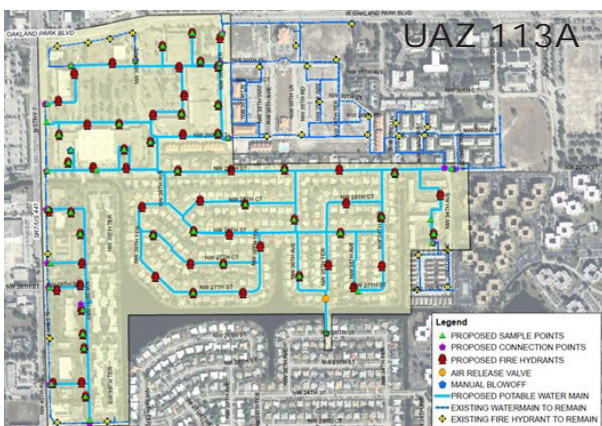
**Client:**

Broward County  
 Michael Hagerty, PE, LEED AP  
 Engineering Unit Supervisor, Water and Wastewater  
 2555 West Copans Road  
 Pompano Beach, FL 33069  
 mhagerty@broward.org  
 (954) 831-3217

**Total Project Cost:** \$4,472,564

**Total CMA Fee:** \$2,989,986

**Dates:** 2016 - 2024



# WATER OR REUSE MAIN PROJECTS

## Reclaimed Watermain Projects

### Palm Beach County, FL

**Description:** The City of Pompano Beach owns and operates a reclaimed water system that needed immediate expansion. CMA was retained by the City to perform schematic design in GIS for approximately 30,000 linear feet of 4-inch and 6-inch reclaimed water lines. The project area boundaries are Federal Highway to the west, Riverside Driver to the east, NE 24th Street to the north and NE 16th Street to the south. The schematic design plans were developed with sufficient information for construction by City crews and permitting through the regulatory agency agencies. CMA's scope also included site visits during construction and permitting certification packages for project closeout.

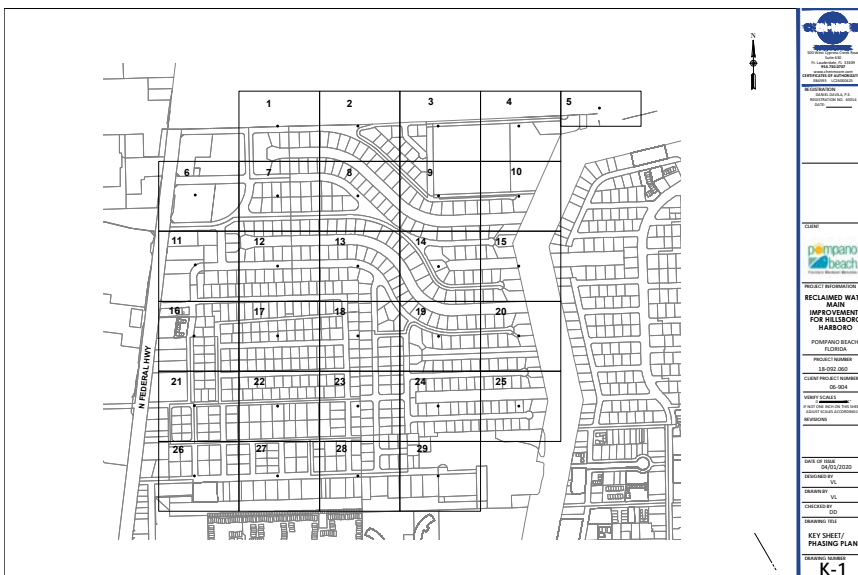
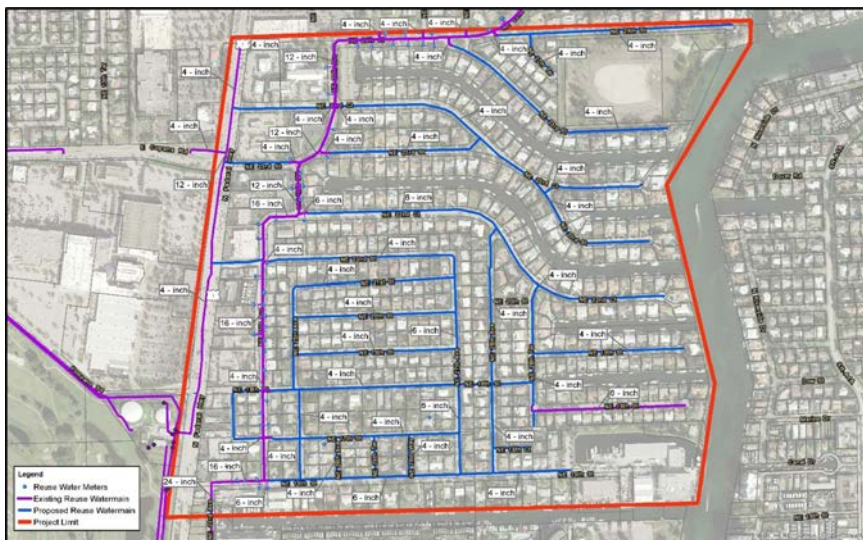
**Client:**

Palm Beach County  
 Nathaniel Watson  
 Water Distribution Supervisor  
 1201 NE 3rd Avenue  
 Pompano Beach, FL 33061  
 Nathaniel.Watson@copbfl.com  
 (954) 786-4024

**Total Project Cost:** \$41,500

**Total CMA Fee:** \$41,500

**Dates:** 2018 - 2025



# LIFT STATION/PUMP STATION REHABILITATION

## Lift Station 92 Rehabilitation Pompano Beach, FL

**Description:** The City of Pompano Beach retained CMA to prepare the engineering design plans for the rehabilitation of the existing Lift Station #92, which is located at the west end of SW 13th Court. Lift Station #92 receives sanitary flow from gravity sewer services areas bordered by Dixie Highway, I-95, McNab Road, within Pompano Beach limits. The design included a new submersible lift station adjacent to the current location. The proposed lift station includes duplex submersible pumps, a new valve vault, new valves, new bypass piping configuration, new instrumentation, new control panels, new telemetry and associated sanitary piping to connect to the existing wet well that will be converted to a maintenance access structure. CMA was responsible for providing professional services necessary to prepare design plans, permitting and construction inspections services.

(Capacity: 680 GPM, Pumps: Duplex, Discharge: 6-inch force main)

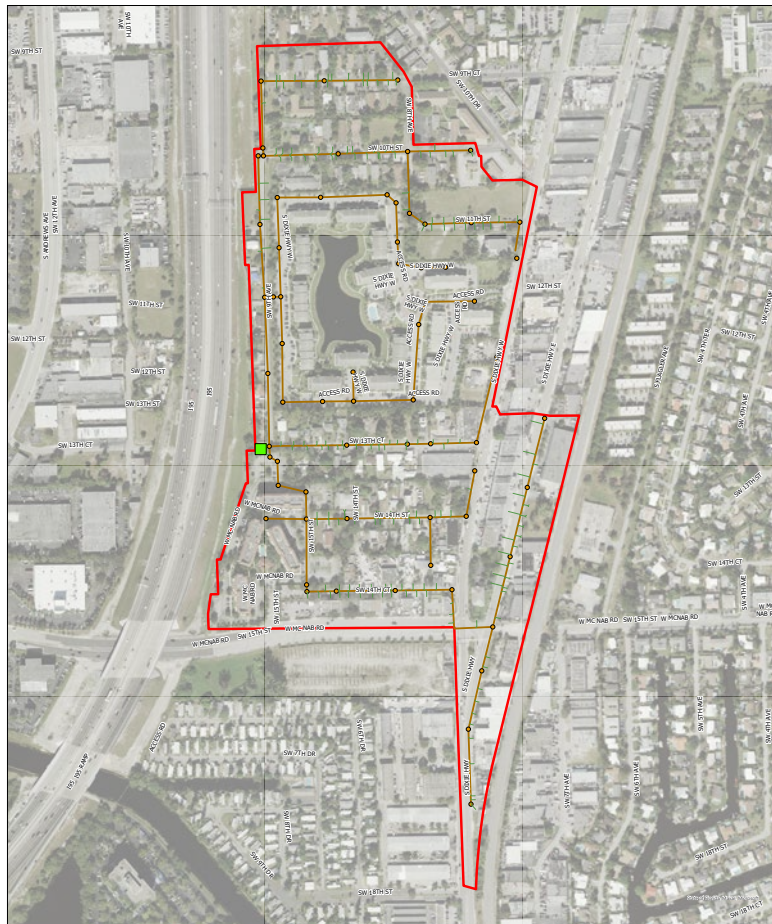
**Client:**

City of Pompano Beach  
 Bobby Clayton  
 Wastewater Pumping Supervisor  
 1201 NE 3rd Avenue  
 Pompano Beach, FL 3361  
 Bobby.Clayton@copbfl.com  
 (954) 786-4154

**Total Project Cost:** \$74,715

**Total CMA Fee:** \$57,215

**Dates:** 2021 - Ongoing



Lift Station #92  
 Assessment



## LIFT STATION/PUMP STATION REHABILITATION

### Lift Station 61 Rehabilitation Pompano Beach, FL

**Description:** As Prime Consultant, CMA led the design, permitting, and construction administration for the rehabilitation of Master Lift Station 61, a wet well facility with a peak capacity of 2,500 gpm (3.6 MGD). The scope included site investigation, hydraulic modeling, design drawings (civil, structural, mechanical, and electrical), technical specifications, and regulatory and building permit submittals.

The project required maintaining continuous pump station operations during construction. Temporary bypass pumping and phased sequencing were implemented to prevent service interruptions, with no extended periods of diminished pumping capacity. Improvements included a new triplex pump configuration, 12-inch force main, upgraded control systems, and site and utility modifications.

CMA provided full construction administration, including submittal review, permitting coordination, construction observation, and contract closeout. The project was completed within the designated schedule and budget, ensuring reliable long-term wastewater conveyance for the City.

(Capacity: 2,500-gpm; Pumps: Triplex; Discharge: 12-inch force main)

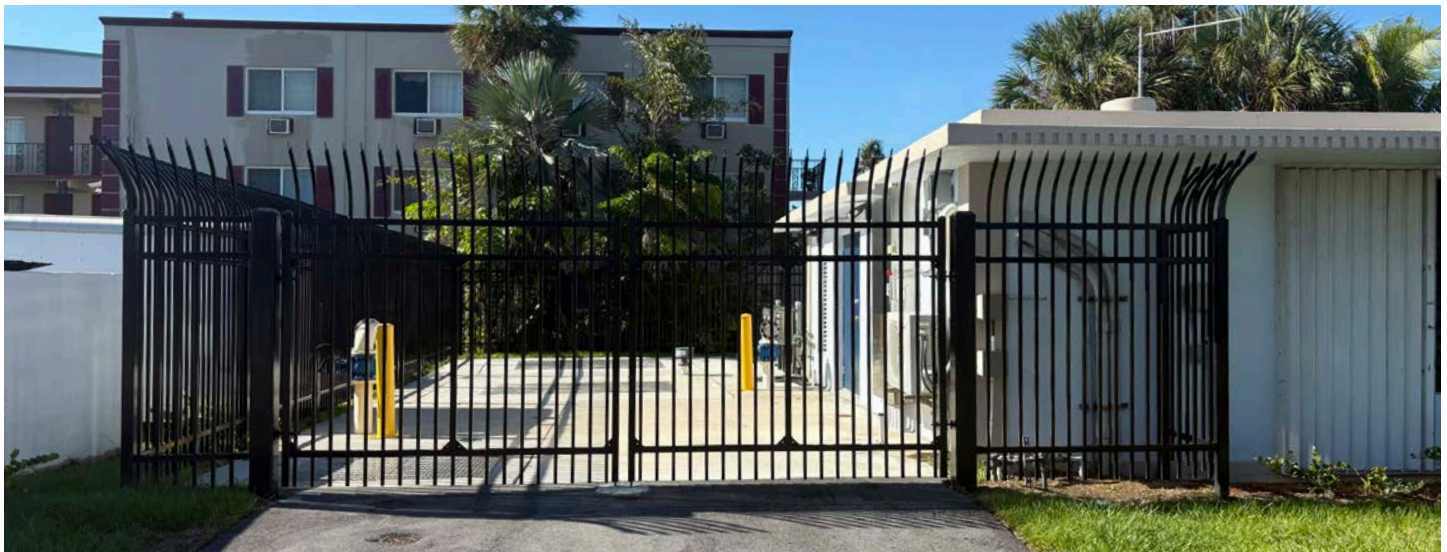
**Client:**

City of Pompano Beach  
 Bobby Clayton  
 Wastewater Pumping Supervisor  
 1201 NE 3rd Avenue  
 Pompano Beach, FL 3361  
 Bobby.Clayton@copbfl.com  
 (954) 786-4154

**Total Project Cost:** \$195,495

**Total CMA Fee:** \$142,675

**Dates:** 2021 - 2025



## GRAVITY SEWER MAIN PROJECTS

# Area C Sanitary Sewer Design Services Pompano Beach, FL

**Description:** The City of Pompano Beach retained another engineering consultant to prepare the bid documents for the installation of sanitary sewer improvements within Area C, which is generally bounded by NW 16th Street, Powerline Road, and NW 15th Avenue. Area C is not currently served by an existing sanitary sewer collection system. The goal of this project is to implement a new sanitary sewer collection system to provide sanitary sewer service to the parcels within Area C, which has been subdivided into two basins. The proposed improvements within Basin A include the installation of new gravity sewer along NW 16th Street and North Powerline Road that will be connected to the sanitary sewer service area for existing Lift Station #104. The proposed improvements within Basin B include the installation of new gravity sewer along NW 18th Street and NW 19th Avenue that flows into a new sanitary sewer lift station with a new 6-inch force main discharging into the sanitary sewer service area for existing Lift Station #101. The City has requested that CMA take over as Engineer of Record for this project. CMA will be responsible for reviewing and revising the design of the proposed sanitary sewer improvements, particularly related to the proposed sanitary lift station. The City has requested a proposal from CMA to provide professional services during the design and permitting phases of this project.

**Client:**

City of Pompano Beach  
 Matthew Kudrna  
 Wastewater Pumping Supervisor  
 1201 NE 3rd Avenue  
 Pompano Beach, FL 3361  
 matthew.kudrna@copbfl.com  
 (954) 786-4061

**Total Project Cost:** \$69,000

**Total CMA Fee:** \$65,850

**Dates:** 2023 - Ongoing

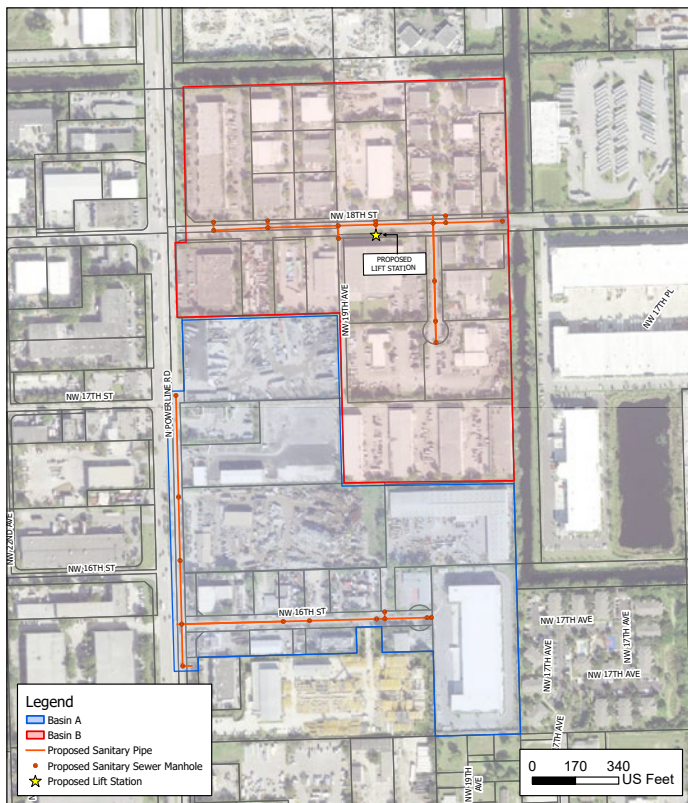


		EXHIBIT 1 - NON SEWER AREA C SANITARY SEWER IMPROVEMENTS	
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## STORMWATER/DRAINAGE IMPROVEMENT PROJECTS

### Circle Drive City of Pompano Beach, FL

**Description:** The City of Pompano Beach plans to installed a new drainage system on Circle Drive. The purpose of the proposed drainage system is to abandon the existing 8-inch outfall pipe and install a new drainage system along Circle Drive with additional catch basins, exfiltration trench, and a new outfall location. CMA will designed and permitted the proposed improvements.

**Client:**

City of Pompano Beach  
 Anthony Alhashemi  
 Project Manager I  
 1201 NE 5th Avenue  
 Pompano Beach, FL 33060  
 Anthony.Alhashemi@copbf.com  
 (954) 786-4061

**Total Project Cost:** \$49,320

**Total CMA Fee:** \$31,355

**Dates:** 2022 - 2023



## STORMWATER/DRAINAGE IMPROVEMENT PROJECTS

# South Riverside Drive Stormwater Improvements Pompano Beach, FL

**Description:** 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

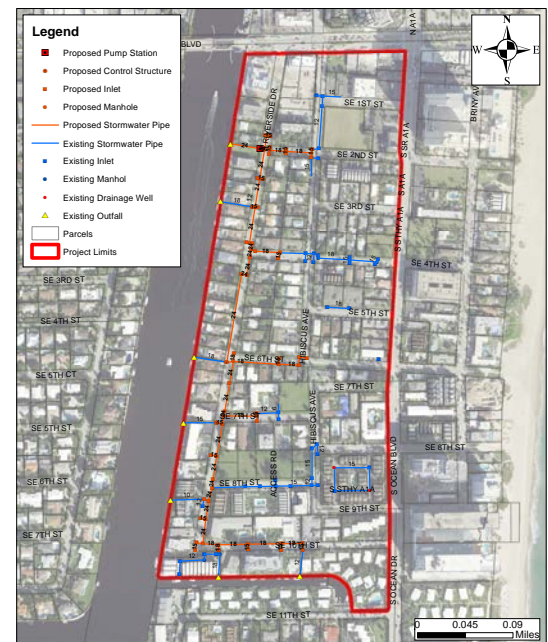
**Client:**

City of Pompano Beach  
 Anthony Alhashemi  
 Project Manager I  
 1201 NE 5th Avenue  
 Pompano Beach, FL 33060  
 Anthony.Alhashemi@copbfl.com  
 (954) 786-4061

**Total Project Cost:** \$272,645

**Total CMA Fee:** \$189,800

**Dates:** 2022 - Ongoing



South Riverside Drive  
 City of Pompano Beach  
 Exhibit 4.1: Proposed Design Schematic Map



**CANAL & LAKE DREDGING**

**Dover Ditch Water Quality Improvement Plan**  
 Village of Tequesta, FL

**Description:** CMA is developing plans and permitting documents for a living shoreline within a drainage basin that discharges into the Loxahatchee River estuary through the Dover Ditch, a half-mile drainage canal along the municipal boundary of Tequesta and Jupiter. The project will stabilize canal banks, modify the canal cross-section to introduce a meandering alignment, and create planting areas for wetland and upland vegetation. These improvements will enhance aesthetics, improve water quality, and provide flood protection for adjacent residential areas.

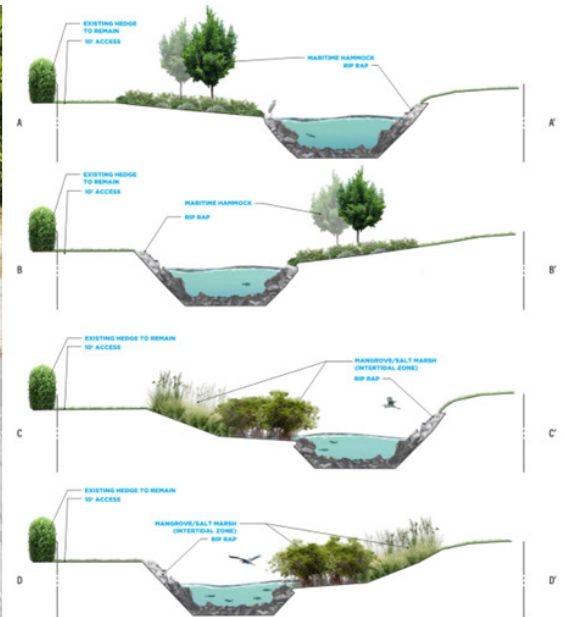
The completed living shoreline will stabilize collapsing embankments and establish new littoral zones that support intertidal mangrove and salt marsh habitats, as well as maritime hammock communities. Ranked first by the Loxahatchee River Preservation Initiative, the project received legislative funding in 2023. CMA's services include civil engineering and design, GIS database evaluations, GPS wetland delineations and tree inventories, and preparation of permit applications to the South Florida Water Management District and the U.S. Army Corps of Engineers.

**Client:**  
 Village of Tequesta  
 Marjorie Craig  
 Utilities Director  
 345 Tequesta Drive  
 Tequesta, Florida 33469  
 mcraig@tequesta.org  
 (561) 584 - 8200

**Total Project Cost:** \$24,890

**Total CMA Fee:** \$23,650

**Dates:** 2022



**CANAL & LAKE DREDGING**

**North Lauderdale Culverts Replacements**

**North Lauderdale, FL**

**Description:** The City of North Lauderdale retained Chen Moore and Associates to provide civil engineering design, permitting, bidding and construction administration services for the replacement of drainage culverts at two separate locations of SW 81st Avenue, in the City of North Lauderdale. Due to the overcapacity of culverts CV-03, CV-04 and CV-06, the City of North Lauderdale decided to replace the existing 60-inch CMP pipes and headwalls with new 72-inch concrete pipes and headwalls. Approximately 340 linear feet of 72-inch RCP and FDOT standard headwalls were designed and are currently in construction.

**Client:**

City of North Lauderdale  
 Sam May  
 Public Works Director  
 701 SW 71st Avenue  
 North Lauderdale, FL 33068  
 smay@nlauderdale.org  
 (954) 724-7070

**Total Project Cost:** \$124,974

**Total CMA Fee:** \$114,719

**Dates:** 2023 - Ongoing



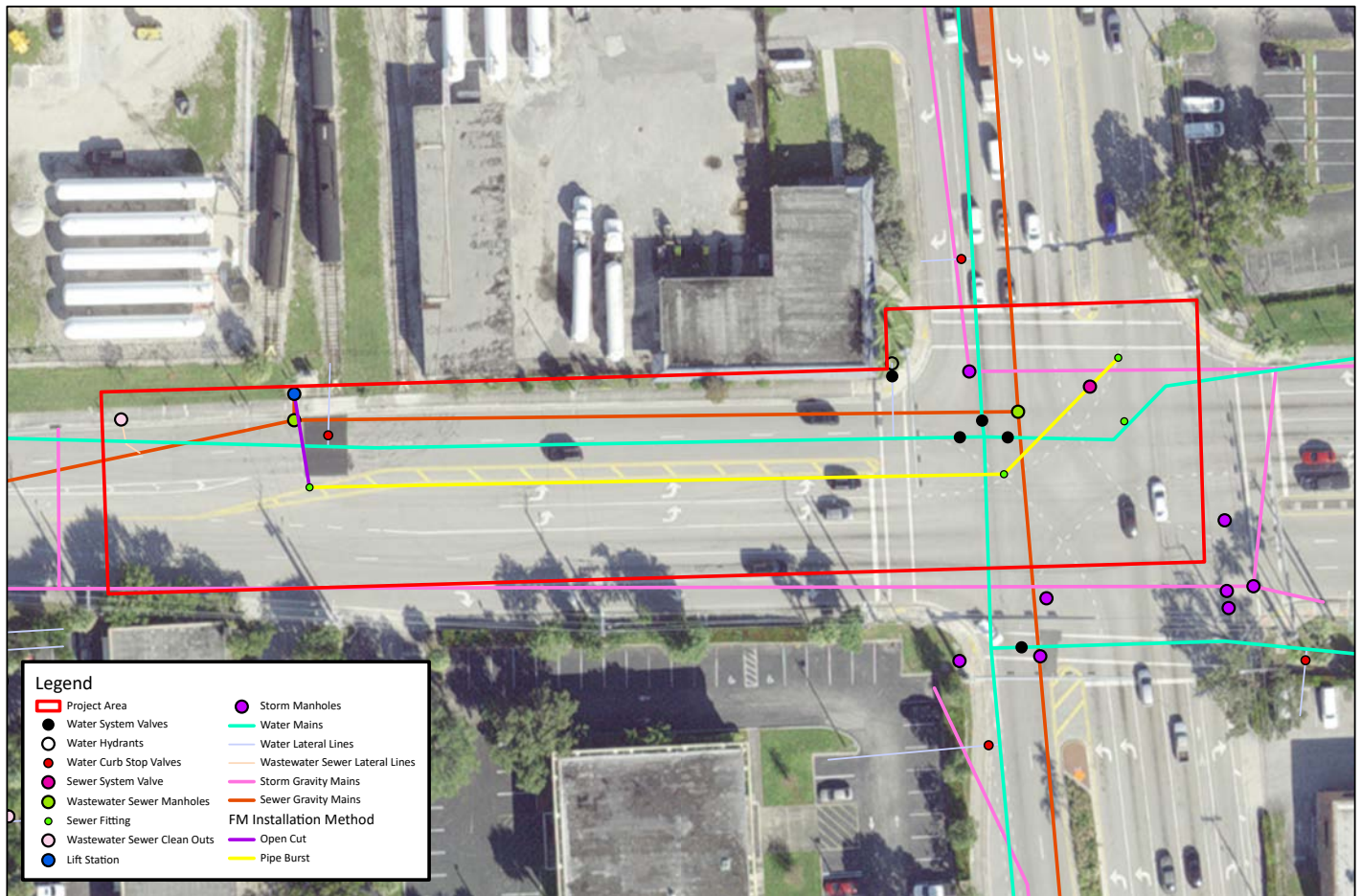
**CONSULTATION FOR EMERGENCY WATER/WASTEWATER/STORMWATER REPAIRS**

**Lift Station 111 Force Main Rehabilitation**  
 Pompano Beach, FL

**Description:** The City of Pompano Beach rehabilitated a segment of existing 6-inch force main from Lift Station #111 along Race Track Road through the intersection with Andrews Avenue, which is within Broward County right of way. The segment of existing 6-inch force main to be rehabilitated was approximately 420 linear feet. The City replaced this segment of existing 6-inch force main using pipe bursting methods. This scope of services included the design and permitting services necessary for the City of Pompano Beach to rehabilitate this segment of existing 6-inch force main.

**Client:**  
 Palm Beach County  
 Nathaniel Watson  
 Water Distribution Supervisor  
 1201 NE 3rd Avenue  
 Pompano Beach, FL 33061  
 Nathaniel.Watson@copbfl.com  
 (954) 786-4024

**Total Project Cost:** \$34,290  
**Total CMA Fee:** \$24,380  
**Dates:** 2023 - 2025



**CONSULTATION FOR EMERGENCY WATER/WASTEWATER/STORMWATER REPAIRS**

**Emergency Bypass 48" Force Main  
 Ft. Lauderdale, FL**

**Description:** CMA was 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 project included connections to 5 City lift stations. 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. Crossing of the intracoastal (US Federal Waters) requires permitting through the US Army Corps of Engineers and the Department of Environmental Protection. There was a total of nine (9) jurisdictional agencies for this project. The project was an emergency project for the City of Fort Lauderdale which was fast tracked to be completed (design, permitting, and construction) in 14 months. The project was a Design-Build project led by Murphy Pipeline Contractors with CMA as the lead Consultant. It was also named the **ASCE Florida Section’s 2022 Project of the Year in July 2022.**

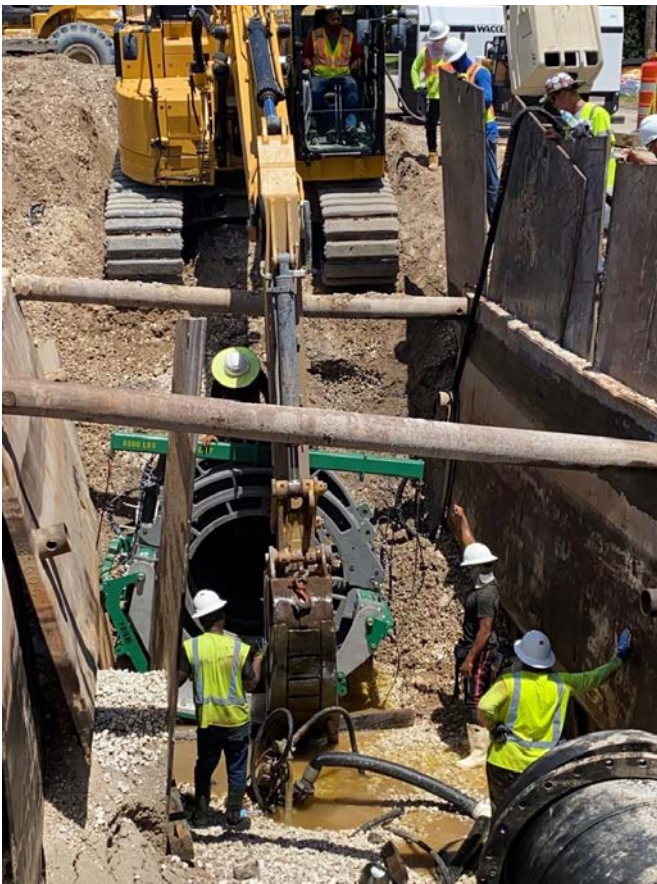
**Client:**

City of Ft. Lauderdale  
 Omar Castellon, P.E., PMP, ENV SP  
 Assistant Director of Public Works  
 100 N. Andrews Avenue  
 Fort Lauderdale, FL 33301  
 (954) 857 - 4416

**Total Project Cost:** \$1,432,500.00

**Total CMA Fee:** \$1,432,500.00

**Dates:** 2020 - 2022



**INSPECTION SERVICES FOR EMERGENCY WATER/WASTEWATER/STORMWATER REPAIRS**

**New River Watermain Phase II, CEI**  
 Village of Tequesta, FL

**Description:** The City of Fort Lauderdale is constructing two water mains along NW 1st Avenue from North River to Broward Boulevard. The proposed method of Installation is open-cut through a Design-Build contract. The project includes approximately 1,600 linear feet of new 10-inch diameter PVC water main, a new 16-inch diameter PVC water main, connecting existing and new service lines, fire lines and hydrants to the new main, connecting to the existing 16-inch pressure pipe, and restoration of the area disturbed by construction. CMA provide construction administration and engineering inspections services on behalf of the City of Fort Lauderdale for the work performed by the selected design-build firm.

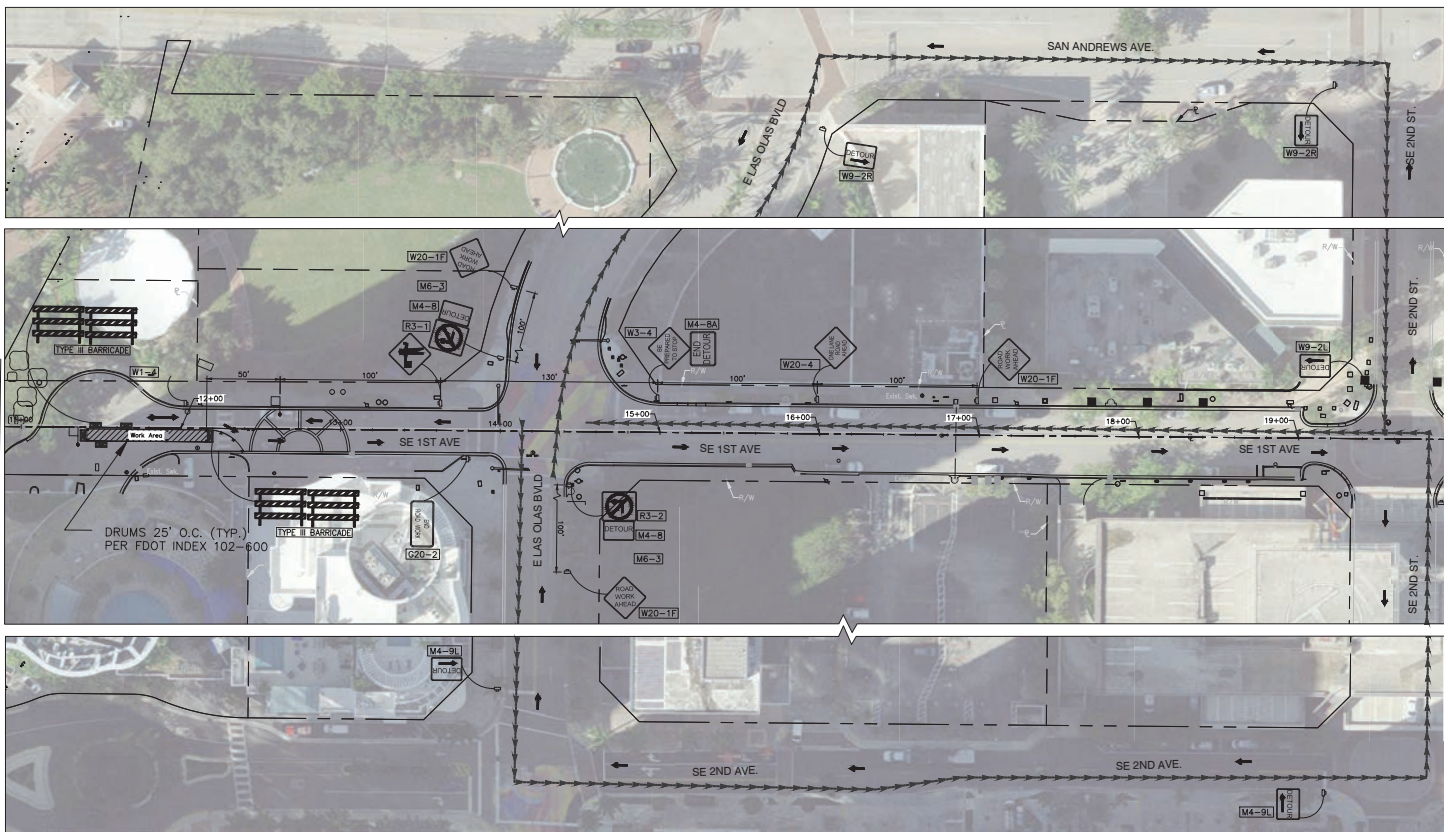
**Client:**

City of Ft. Lauderdale  
 Jose Colmenares  
 100 N. Andrews Avenue  
 Fort Lauderdale, FL 33301  
 jcolmenares@fortlauderdale.gov  
 (954) 828 - 6998

**Total Project Cost:** \$215,020

**Total CMA Fee:** \$215,020

**Dates:** 2022 - 2026



**PARKS & RECREATIONAL FACILITIES**

**Currie Park Phase I & II**  
**West Palm Beach, FL**

**Description:** CMA is leading the redevelopment of Currie Park for the City of West Palm Beach to transform this 13.6-acre waterfront park into a vibrant public space that enhances community health, welfare, and economic vitality. Previously, the park included boat ramps, tennis courts, a fishing pier, a playground, the Dr. Martin Luther King Jr. Memorial, pavilions, and restrooms. The project is being executed in two phases. Phase I focused on information gathering, public engagement, and visioning, which included a marina market analysis, a maintenance and operations plan, and identifying funding sources such as public-private partnerships. CMA assisted the City and CRA in securing a \$16.74 million Building Resiliency Grant from the Florida Department of Economic Opportunity. The Vision Plan, approved on June 1, 2021, setting the stage for the next phase of development.

Phase II of the project encompasses Design, Construction Documentation, Permitting, and Construction Administration, all based on the approved Currie Park Master Plan developed by the CMA team and endorsed by the CRA Board and City Commission. The master plan preserves key existing features, including the MLK Memorial and Boat Ramp, while introducing new amenities such as a fitness area, sports courts, a waterfront promenade, a living shoreline, native gardens, a multipurpose lawn for cultural and special events, a café/kiosk, restrooms, a small watercraft launching area, and a destination playground. In January 2025, the construction contract was awarded to West Construction, with the notice to proceed pending one final environmental review by the Florida Department of Commerce. The total project cost is projected to exceed \$37 million, with construction expected to span 24 months.

**Client**

City of West Palm Beach  
 Lorenzo Rivero  
 Special Project Manager  
 401 Clematis Street  
 4th Floor  
 West Palm Beach, FL 33062  
 (561) 494-1076

**Dates**

2022 - Ongoing





**PARKS & RECREATIONAL FACILITIES**

**Oakland Park Master Planning and Visioning**  
 Oakland Park, FL

**Description:** Description of Work: CMA is a subconsultant to Zyscovich Architects for civil engineering and landscape architecture services for the City Park master plan. The site is approximately 20 acres and includes parks and municipal facilities, such as a community center, public works operations center, and a fire station. The master planning effort will evaluate reconfiguration of these facilities and the locating of a splash pad and other amenities to promote pedestrian and park connectivity.

**Client:**  
 City of Oakland Park  
 Lisa Blshop  
 Project Manager  
 3650 NE 12th Avenue  
 Oakland Park, FL 33334  
 lisah@oaklandparkfl.gov  
 (954) 630-4401

**Total Project Cost:** \$25,000  
**Total CMA Fee:** \$25,000  
**Dates:** 2019 - 2022



# RESUMES OF KEY PERSONNEL

PETER MOORE, P.E., F.ASCE, FACEC  
Principal-in-Charge, Principal Engineer



**cma**  
chen moore and associates

Mr. Moore is the president of CMA with more than 28 years of experience with a wide variety of utility, stormwater, transportation, and other infrastructure projects. Since joining CMA in 1999, Mr. Moore has focused on the management, planning, design, permitting, and construction of various roadway and utility infrastructure projects for public clients throughout Florida.

A lifelong Broward County resident, Mr. Moore has worked on dozens of unique projects valued at over \$100M in his career, serving in every role on a project team. His experience includes 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. Of particular note is Mr. Moore's experience in value engineering, including projects for Palm Beach County, Broward County, and Miami-Dade County. Finally, Mr. Moore serves on the firm's QA/QC Committee ensuring the consistency of the quality product throughout the firm.

#### Project Experience:

**FDOT D2: Principal for RRR SR 5 / US 17 (N. Main Street) from State Street to the Trout River.** 4.1 mi. urban principal arterial (C4), divided, four-lane. RRR mill and resurface; access management (add raised medians and provide additional median openings); pedestrian safety enhancements (add overhead RRFBs and PHBs; add pedestrian crossings); ADA compliance; replacement signals (where needed); provide lighting for signalized pedestrian crossings; new pavement marking configuration; minor drainage repairs; 3 at-grade railroad crossings; public hearing; guardrail safety improvements; and Temporary Traffic Control Plans.

**CSA-04 - South County Reclaimed Water Transmission Pipeline Phase 1A. Palm Beach County.** CMA shall perform construction administration services for the expansion of the Palm Beach County Water Utilities Department (PBCWUD) reclaimed water system for a 3.6 mile segment of transmission main in southwestern Palm Beach County. The designed pipeline includes an aerial crossing of the Hillsboro Canal, two horizontal directional drills, and two lake outfall discharge points. The transmission main is 24-inch diameter ductile iron pipe (DIP), with two 12-inch service lines to adjacent golf courses.

**PNC2115981P1 CHEN-05 FLL Stormwater Master Plan Phase 2. Broward County Aviation Department.** CMA was awarded the continuing services contract for PNC2115981P1 – Professional Consultant Services for Airport Studies, Reports, and Assessment Projects, executed on June 7, 2019. Under this contract, CMA is completing the FLL Stormwater Master Plan Update (Phase 1), which updates the airport's stormwater model using ICPR4 and evaluates system performance under existing and future build-out conditions. Following Phase 1, CMA will begin Phase 2 under Work Authorization CHEN-05. This phase expands the model limits to include recently acquired adjacent properties, provides a more detailed analysis to identify future stormwater improvements, and supports obtaining a new conceptual stormwater permit based on the updated model.

**Corporate Park Stormwater Improvements. City of Coral Springs.** The City of Coral Springs selected CMA to design stormwater improvements to address flooding in the Corporate Park. Following a prior Stormwater Study that identified system limitations and recommended upgrades, CMA designed improvements to enhance connectivity to the secondary canal system and increase on-site storage. The project included installing more than 5,000 linear feet of 15- to 30-inch stormwater pipe with new inlets tied to the existing outfall, as well as clearing and regrading conveyance ditches to improve storage, conveyance, and water quality. Services included design, permitting, and construction inspection.

#### Experience

Years of experience at CMA: 27

Total years of experience: 29

#### Education

Master of Engineering, Civil Engineering, University of Florida

Bachelor of Science, Civil Engineering, University of Florida

#### Registrations

Professional Engineer, Florida, 58709, 2002

#### Professional Affiliations

American Society of Civil Engineers

Florida Engineering Society

Florida Stormwater Association

Institute for Sustainable Infrastructure

National Society of Professional Engineers

#### Certifications

LEED Accredited Professional

Envision Sustainability Professional

Certified Stormwater Inspector

#### Awards

ACEC-FL President's Award 2019

ASCE Broward Branch Young Engineer (2001, 2004)

ASCE Edmund Friedman Younger Member Award 2009

Florida Engineering Society Most Active Member Award 2000

Florida Engineering Society Young Engineer of the Year 2009

South Florida Business Journal Top 40 Under 40 Award 2009

**JASON MCCLAIR, P.E., CFM, LEED AP**  
QA/QC Manager



**cma**  
chen moore and associates

Mr. McClair is Senior Vice President and Principal Engineer for CMA, with more than 29 years of experience in utility infrastructure design, regulatory permitting, and computer aided flow modeling for stormwater collection, water distribution, and sanitary transmission systems. Since joining CMA in 2001, Mr. McClair has focused on the management, planning, design, permitting, and construction of various utility infrastructure projects for public clients throughout South Florida. He has extensive experience with hydraulic and hydrologic modeling for the analysis of stormwater, water, and wastewater systems. He was the project manager for the Fort Lauderdale-Hollywood International Airport Stormwater Master Plan Update and the Pompano Beach Stormwater Master Plan.

**Project Experience:**

**Hollywood North Beach Park Tidal Flood Resiliency - Mitigation. Broward County.** CMA is designing a series of structures to harden properties of Broward County Hollywood North Beach Park along the east shoreline of the Intracoastal Waterway with either seawall structures or limestone boulder riprap embankments to mitigate for flooding that presently occurs along these park properties and into the adjacent State Road A1A. Shoreline elevations will be constructed to a level that exceeds the projected fifty-year intermediate- high tide elevation as determined by procedures specified in Chapter 62S-7.012 Florida Administrative Code. The Project includes compensation for impacts to natural resources by creating both living shorelines with intertidal zones for mangroves and near shore sea grass mitigation areas.

The Broward County Parks and Recreation Division operates and maintains five pocket park sites, along the west side of State Road A1A and north of Sheridan Street. These sites are situated between State Road A1A and the Intracoastal Waterway and include amenities such as parking, picnic areas, Intracoastal boardwalks, and restrooms. The southernmost Loggerhead Park site also includes a future mooring field facility and associated upland amenities. To mitigate for natural resource impacts that the Project will impose, it is recognized that these pocket park sites may need to be either partially or completely repurposed to provide the required mitigation. The redevelopment designs of the pocket parks will continue to provide recreational opportunities with picnic areas and continuous interconnecting multipurpose pathways that interact with the natural environment.

**Lighthouse Point NE 39th Street Force Main Project. Broward County.** Chen Moore and Associates (CMA) is conducting a hydraulic flow analysis of a portion of the Sanitary Sewer Basin 224, which is located within the City of Lighthouse Point. Sanitary Sewer Basin 224 consists of 21 lift station service areas that eventually flow to Master Lift Station # 224. Most of the existing lift stations within Sanitary Sewer Basin 224 discharge via an existing force main into the existing gravity sewer collection system for an adjacent lift station service area, which creates a cascading flow toward Master Lift Station #224. Force main improvements and pump upgrades may be needed at Lift Station 24D1, Lift Station 24D1-1, Lift Station 24D1-2, and Lift Station 24D1-3. These proposed improvements would allow these lift stations to discharge directly into the adjacent BCWWS force main network instead of discharging into the existing gravity sewer system within adjacent lift station service areas. Such improvements will eliminate the cascading sanitary flow through these lift station service areas and reduce the possibility of future sanitary sewer overflows within these lift station service areas.

**Experience**

Years of experience at CMA: 24  
Total years of experience: 29

**Education**

Bachelor of Science, Civil Engineering, University of Florida, 1996

**Registration**

Professional Engineer, Florida, 56962, 2001

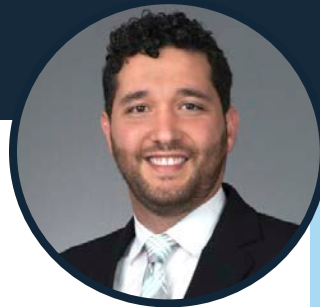
**Professional Affiliations**

American Public Works Association  
American Society of Civil Engineers  
Broward County Gator Club  
Florida Engineering Society  
National Society of Professional Engineers  
University of Florida Alumni Association

**Certifications**

SWMM Modeling Software Training  
FDOT LAP Compliance update  
SWMM Stormwater Modeler  
FDOT LAP Compliance  
ICPR Modeler (Streamline Technologies)  
WaterCAD Master Modeler (Haestad Methods)  
SewerCAD Master Modeler (Haestad Methods)  
Certified Floodplain Manager  
Nuclear Density Gauge Operator (Troxler)  
Radiation Safety Officer (Troxler)  
Advanced Work Zone Traffic Control (FICE)

**DAVID CASTRO, P.E.**  
Project Manager



**cma**  
chen moore and associates

Mr. Castro is a Senior Engineer for CMA's engineering team and has extensive project experience with the design and permitting of drainage and sanitary sewer improvements along with the associated construction oversight. In addition, he conducted several studies that included directional engineering analysis for trenchless pipeline installations, river analysis, storm sewer design, flood analysis, erosion control, hydrologic and hydraulic studies, and irrigation studies. Mr. Castro expertise in HDD includes several drills under the ICW, railroads and roadways, and include HDPE and steel pipe.

**Project Experience:**

**T022 - Victoria Park Stormwater Improvements. City of Fort Lauderdale.** Chen Moore and Associates (CMA) provided engineering services to the City of Fort Lauderdale under the Stormwater Improvement Master Plan Modeling and Design Implementation Project for the Victoria Park neighborhood, one of seven priority areas identified by the City. CMA's scope included planning, modeling, design, permitting, bidding assistance, and construction services to address existing flooding issues. The proposed improvements, estimated at approximately \$20 million in construction costs, included enhancements in both the western and eastern portions of the neighborhood. In the west, work involved installing additional pipe interconnectivity between existing drainage networks, new exfiltration trenches, and limited roadway swale restoration. In the east, improvements included interconnecting six independent positive outfalls to the Middle River, installing backflow prevention systems, and constructing a new stormwater pump station to improve flood resilience and overall drainage performance.

**NPDES Permit Compliance Services 2022. City of Dania Beach.** CMA provided professional services to assist the City of Dania Beach with the National Pollutant Discharge Elimination System (NPDES) Program as a co-permittee with Broward County through the Florida Department of Environmental Protection (FDEP).

**Lift Station #11 Force Main Project. City of Wilton Manors.** CMA developed design documents for a new 24-inch, 4,000-linear-foot primary force main from the City's Master Lift Station #11 to an interconnect with Fort Lauderdale's backbone force main. Mostly installed via HDD, it includes a subaqueous reverse curve drill across the South Fork Middle River and connects to Fort Lauderdale's 48-inch redundant force main on NE 18th Street. CMA also provided construction administration services.

**Lift Station 111 Force Main Rehabilitation. Pompano Beach, FL.** The City of Pompano Beach rehabilitated a segment of existing 6-inch force main from Lift Station #111 along Race Track Road through the intersection with Andrews Avenue, which is within Broward County right of way. The segment of existing 6-inch force main to be rehabilitated was approximately 420 linear feet. The City replaced this segment of existing 6-inch force main using pipe bursting methods. This scope of services included the design and permitting services necessary for the City of Pompano Beach to rehabilitate this segment of existing 6-inch force main.

**Tidal Flooding Mitigation and Shoreline Protection for Holland Park. City of Hollywood.** The project included the implementation of tidal barrier improvements within Holland Park along the southern end of West Lake and the western bank of the Intracoastal Waterway that will consist of hybrid green/gray shoreline stabilization solutions, such as elevated berms, elevated boardwalk rock revetments, permeable pavement, and bioretention areas. CMA was responsible for the design of any proposed stormwater infrastructure and pavement within Holland Park along with any site grading, retention pond sizing, and outfall layout/upgrades required due to the tidal barrier improvements.

**Experience**

Years of experience at CMA: 8

Total years of experience: 11

**Education**

Bachelor of Science, Civil Engineering, University of Puerto Rico, 2014

Master of Engineering, Civil Engineering, University of Florida, 2023

**Registration**

Professional Engineer, Florida, 85558, 2018; Puerto Rico, 27186, 2017

**Professional Affiliations**

American Society of Civil Engineers  
Florida Engineering Society

**Certifications**

HDD Academy – Arizona State University

**GEORGE KRAWCZYK, P.E.**  
Deputy Project Manager



**cma**  
chen moore and associates

George Krawczyk is a Senior Engineer for CMA. George has 23 years of experience in the private sector as an engineer, a construction project manager, and a public administrative employee. His area of expertise is water resources management and construction administration as he has extensive experience in water treatment, plant permitting, operation, water/wastewater distribution network upgrades, storm water basin permitting, design and construction. George's distinct background includes tenure as a Public Works and Utilities Director while concurrently serving as a Water Control District Administrator for the City of North Lauderdale.

**Project Experience:**

**South Bermuda-Parkway Reuse Interconnect & Judge Farms Pipeline - Phase 1 and 2. Toho Water Authority.** For this first phase CMA provided Toho Water Authority with professional services for the coordination, site research, investigation, conceptual engineering exhibits, opinion of probable cost of construction, and constructability review of the proposed 20" or 24" reuse water transmission main route to interconnect the South Bermuda and Parkway WRFs. The second phase will encompass the design and the construction of the preferred option identified under this first phase. The second phase encompasses the design and construction of the preferred option identified under this first phase. CMA is providing professional services for surveying, geotechnical, design, permitting, and construction administration services associated with the installation of approximately 8,000 LF of 20" reuse water transmission main to interconnect the South Bermuda and Parkway WRFs' reclaimed water systems.

**Lakewood Ranch Reclaimed Water Main and Booster Pump Station. Braden River Utilities.** The project consists of the design, permitting, and construction administration services of the proposed reclaimed water main and BPS for BRU within the Northeast Sector of the Lakewood Ranch development in Manatee County. The proposed reclaimed water main consists of ~3,500 LF of 16" pipeline along SR 70 and ~12,000 LF of 16" pipeline along Bourneside Blvd. from SR 70 to Rangeland Pkwy. The 16" pipe size was verified by updating hydraulic modeling as part of this project. The new BPS is proposed to be located adjacent to Kent Lake at the intersection of SR 70 and White Eagle Blvd. The required capacity of the BPS was determined as part of this project, addressing the needs of the existing and proposed master plan buildout development within Lakewood Ranch/the BRU service area. The reclaimed water main will be installed in both FDOT and County ROW via open cut. The permitting agencies for this project included FDOT and Manatee County.

**South Bermuda-Parkway Reuse Interconnect & Judge Farms Pipeline - Phase 1 and 2. Toho Water Authority.** For this first phase CMA provided Toho Water Authority with professional services for the coordination, site research, investigation, conceptual engineering exhibits, opinion of probable cost of construction, and constructability review of the proposed 20" or 24" reuse water transmission main route to interconnect the South Bermuda and Parkway WRFs. The second phase will encompass the design and the construction of the preferred option identified under this first phase. The second phase encompasses the design and construction of the preferred option identified under this first phase. CMA is providing professional services for surveying, geotechnical, design, permitting, and construction administration services associated with the installation of approximately 8,000 LF of 20" reuse water transmission main to interconnect the South Bermuda and Parkway WRFs' reclaimed water systems.

**Experience**

Years of experience at CMA: 1  
Total years of experience: 25

**Education**

Bachelor of Science, Chemical Engineering, University of Florida, 2000

**Registration**

Professional Engineer Florida, 66646, 2007

**Professional Affiliations**

American Society of Civil Engineers  
American Water Works Association  
Florida Engineering Society  
American Public Works Association  
American Institute of Chemical Engineers  
Kiwanis Club

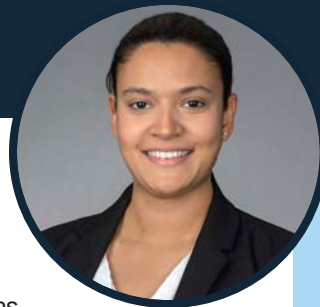
**Certifications**

FDOT MOT Stormwater Management Inspector

**Awards**

FES Broward Engineer of the Year 2014

## CHARMAINE EMANUELS, P.E., ENV SP Stormwater & Resiliency Design



**cma**  
chen moore and associates

Charmaine Emanuels is a Project Engineer for CMA's engineering team, specializing in GIS and hydraulic and hydrologic modeling. Her experience encompasses developing and analyzing hydraulic and hydrologic models, conducting floodplain and watershed studies, performing stormwater drainage analysis, and designing stormwater management systems. She has worked extensively with GIS to support data collection, spatial analysis, and model integration. Additional expertise includes utility coordination, site grading, water distribution and sanitary sewer system design, lift station design, roadway drainage, and erosion control measures. She has also contributed to plan preparation, permitting efforts, construction oversight, and project phasing.

### Project Experience:

**SW 34th Terrace Stormwater Improvement, The City of Dania Beach.** The City of Dania Beach retained CMA to design stormwater improvements along SW 52nd Street between SW 40th Avenue and US 441 to address recurring flooding during typical rainfall events. The flooding was attributed to low ground elevations, a high water table, and the absence of a stormwater management system. CMA's design includes new stormwater inlets, interconnected piping, and modified exfiltration trenches and swales to enhance drainage capacity and connect to existing and future systems on adjacent streets. Services provided include surveying, subsurface utility verification, geotechnical investigation, document review, site visits, civil design, stormwater modeling, and regulatory permitting.

**Stormwater Master Plan. City of Coral Springs.** CMA is conducting a Citywide Stormwater Master Plan for the City of Coral Springs to identify areas of concern related to stormwater flooding throughout the City limits and to identify and prioritize future capital improvement projects related to stormwater infrastructure. CMA will compile, review, and evaluate all available information on the City's existing stormwater infrastructure. Based on information collected, CMA will prepare a stormwater model for the purpose of evaluating the level of service provided by City's existing stormwater infrastructure. The stormwater model will also be used to assess various alternatives for drainage improvements required to meet the level of service criteria for various storm events. The stormwater model will be used to run rainfall scenarios for the comparison of existing conditions versus future build out conditions from both a water quantity (runoff) and water quality (storage) perspective. Based on the result of the stormwater model, CMA will prepare the stormwater master plan, which will define the analysis of the existing stormwater infrastructure, identify and prioritize "problem areas" within the City limits, and recommend any improvements to the existing stormwater system. CMA will develop a Capital Improvement Plan for the overall stormwater management system in ranking. In addition, CMA will review and enhance the City's compliance efforts under the CRS Program and the NPDES MS4 Permit.

**Westchester Stormwater Improvements. City of Coral Springs.** The implementation of stormwater improvements within Westchester has been phased into two separate projects. Phase 1 included the design and construction services for culvert replacements under NW 24th Street which has been completed. Phase 2 improvements will consist of upsizing 21 outfalls throughout the project area that were identified as undersized, consisting of either 12-inch or 15-inch diameter. Based on the model analysis, upsizing of outfalls that are less than 18-inches in diameter to a minimum diameter of 18-inches is projected to reduce the peak flood stages by an average of 0.16 feet per basin and decrease of flooding duration in with an average decrease of 1.68 hours per basin. This alternative consists of removing the older, undersized pipes and installing new 18-inch diameter pipes. Construction of this alternative can be done through multiple methods: open cut installation with RCP, HDPE or PVC, or via trenchless technologies with HDPE. CMA is responsible for the site investigation, design, permitting, bidding and construction services for this stormwater improvement project.

### Experience

Years of experience at CMA: 6

Total years of experience: 6

### Education

Bachelor of Science, Civil Engineering, Florida International University, 2019

### Registration

Engineer In Training, 2019

Professional Engineer, Florida, 96867, 2023

### Professional Affiliations

American Society of Civil Engineers

Florida Engineering Society

VINCENT LOCIGNO, P.E.  
Water & Sanitary Sewer Distribution



**cma**  
chen moore and associates

Vincent's role in this contract will be Project Manager. His qualifications include 8 years of delivering civil engineering projects in South Florida. He has a Bachelor of Science in Civil Engineering from Florida Atlantic University and is a professional Engineer licensed in the State of Florida. Vincent has strong technical design skills, exemplified by his onsite field engineering experience working directly with clients and contractors. His experience encompasses successfully designing and implementing various utility projects, guiding them through the design, permitting, and construction phases. Vincent is active in multiple professional engineering societies, including the Florida Engineering Society where he was awarded Young Engineer of the Year for the State of Florida and is currently on the American Council of Engineering Companies' Emerging Leaders Board.

#### Project Experience:

**Melrose Manors Neighborhood Stormwater Improvements. City of Fort Lauderdale.** Complete stormwater improvements for a 640-acre residential neighborhood. The project includes the design of the drainage system, including retention areas, weirs, outfalls, re-grading of the roadway, swales and treatment areas. The project also required a stormwater pump station with stormwater force mains that cross Broward Boulevard via Horizontal Directional Drilling. The project outfall is on the North Folk of the New River Canal.

**SW 15th Street Sidewalk CEI. City of North Lauderdale.** CMA is providing CEI services for approximately 4,000 linear feet of new sidewalk on 15th Street. The Sidewalk is located in a residential area and included ADA grating, drainage structures relocation, handicap ramps, retaining walls and handrails.

**NW 44th Street Bike Path CEI. City of Sunrise.** CMA provided construction administration services for the NW 44th Street Bike Path project. The project consisted of a proposed bikeway along both sides of NW 44th Street from NW 117th Avenue to Pine Island Road in Sunrise, FL. The project included pavement restoration, pavement widening, turn lane improvements, and stormwater improvements. The project was funded by FDOT and is identified as LAP Project – FM# 433209-1-58-01. CMA provided general observation of the work and verification of system testing, field reports, responded to requests for information (RFIs), and reviewed pay requests.

**Tam O'Shanter Blvd/SW 81st Avenue Traffic Calming and Complete Streets Projects. City of North Lauderdale.** CMA provided professional services to evaluate and provide recommendations for modifying the existing roadway cross sections for Tam O'Shanter Boulevard & SW 81st Avenue including the design of traffic calming improvements and two roundabouts. The scope included evaluation and design of neighborhood traffic calming devices including lane reduction, speed humps, traffic circles pedestrian crosswalks and a shared-use path. Total project length is approximately 2.50 miles. This is a County Surtax project, and it has a projected construction budget of 3 million dollars.

**Traffic Calming/Complete Streets for Boulevard of Champions. City of North Lauderdale.** CMA provided professional civil engineering and landscape architectural services for the design, implementation, and construction administration for traffic calming measures utilizing complete streets strategies for approximately 0.78 miles of roadway located along Boulevard of Champions within the City of North Lauderdale, from SW 64th Terrace to Seaview, including the Boulevard of Champions spur road to Colly Way.

**Country Club Ranches CEI Services Phase 1A and Design Phase 2. City of Miramar.** CMA is providing professional engineering services during the construction of Phase 1A of the Country Club Ranches Water main Project. CMA will provide bidding assistance and construction engineering services.

#### Experience

Years of experience at CMA: 8

Total years of experience: 8

#### Education

Bachelor of Science, Civil Engineering, Florida Atlantic University, 2017

#### Registration

Professional Engineer, Florida, 92216, 2021

#### Professional Affiliations

American Society of Civil Engineers  
Florida Engineering Society

**JOEL BROWNSEY, P.E.**  
Site Development



**cma**  
chen moore and associates

Joel Brownsey has over two decades experience in the Civil Engineering field where he has worked alongside engineers in a variety of disciplines such as site design, utility infrastructure design, and surveying. His experience in south Florida to date includes detailed design work on two neighborhood right of way infrastructure improvement projects for the City of Miami Beach and for several engineering projects for the City of Fort Lauderdale. He also provides technical solutions for the FortLauderdale and Miami Beach offices.

**Project Experience:**

**Carter Woodson Park Improvements Project, Construction Admin Service.** The project consists proposed improvements at Dr. Carter G. Woodson Park, located a 3490 NE 3rd Avenue, Oakland Park, Fl. The park is approximately 1.41 acres. The proposed improvements include a new asphalt parking lot, new on-street parking, a new community garden, basketball court removal and replacement, playground surface upgrades with potential new playground equipment, and site lighting improvements. CMA shall be the civil and landscape construction administration for this project. Structural engineering inspection shall be performed via subconsultant.

**Master Lift Station #11 Capacity Upgrade, City of Wilton Manors.** CMA recently conducted a preliminary capacity analysis of the existing pumps at Master Lift Station 11. There are significant development projects proposed within the service area for Master Lift Station #11 that will generate additional sanitary flow into Master Lift Station #11. This preliminary capacity analysis confirmed the existing pumps at Master Lift Station #11 can not handle this additional sanitary flow from the proposed development activities. CMA identified various potential system upgrades at Master Lift Station #11 that will be required to handle this additional sanitary flow from the proposed development activities within the City.

**BC Potable Water Storage Tanks Site 3A, City of Ft. Lauderdale.** CMA served as a subconsultant to Carollo Engineers for civil engineering, site planning, and landscape architecture services for the Broward County 3A Tank and Pumping Facility, a 4.9-acre site in the City of Dania Beach. The project included expansion with a 2.5-million-gallon potable water storage tank and High Service Pump Station. CMA provided design and permitting for yard piping, including 24-, 18-, and 12-inch ductile iron pipelines, as well as water and sewer infrastructure consisting of gravity sewers, forcemains, a new lift station, potable water lines, and fire lines. CMA also designed a new stormwater system, eliminating an existing lime sludge pond and replacing it with a dry detention system, and prepared permitting and construction documents for underground fuel tank removal. In addition, CMA was responsible for site planning, landscape architecture, and City of Dania Beach DRC approvals and variances.

**SW Meadows Park Restroom and Site Improvements, City of Ft. Lauderdale.** SW Meadows Sanctuary Park, located at Griffin Rd and SW 160th Ave in the town of Southwest Ranches, Florida. The project will include the design of a restroom building with storage/utility area, along with site improvements to provide an asphalt access road and HC parking. Additional compacted base with sod parking will also be provided.

**Palm Beach Capital Improvement Planning Utility Integration, City of Riviera Beach Utility District.** The City of Riviera Beach has prepared a Capital Improvement Plan (CIP) for stormwater and pavements analysis over a 20-year planning period. This CIP utilizes an ArcGIS platform and assigns a condition rating to each roadway and stormwater asset. To plan out infrastructure improvements more efficiently, the City has requested that CMA prepare a GIS database that prioritizes the water and sewer improvements. The City will integrate this database with the other CIP efforts to provide an overall ranking for the infrastructure improvements.

**Hire Date**

01/03/2006

**Years with other firms: 6**

**Education**

Bachelor of Science, Civil Engineering, Florida Atlantic University, 2014

Bachelor of Arts, Urban Planning, State University of New York at Albany, 2002

**Registration**

Professional Engineer  
Florida, 86466, 2019

**Professional Affiliations**

American Society of Civil Engineers

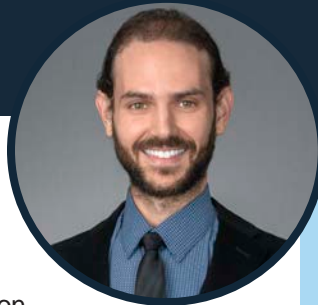
**Certificates**

ESRI ArcGIS Certificate

MOT Workzone Traffic Control:  
Intermediate Level

Stormwater Management  
Inspector

**DANIEL DIEZ, PE**  
Electrical Engineer/Lighting



**cma**  
chen moore and associates

Mr. Diez has experience with ITS/Lighting Plans Development (MicroStation + AutoCAD), Power Service, Load Center plans development and coordination, FDOT A+ Imagery, Utility Distribution Line & Transformer Selection. He performs AGi32 Lighting Analysis calculations for LDAR and Voltage Drop calculations for Electrical Reports. He also has coordination experience with FPL, Duke Energy, and FKEC for service points, high voltage distribution line repair plans, and a complete medium voltage distribution system serving Pigeon Key. He is familiar with NESC application to Line Clearance and installations around water, and general application of NEC related to ITS and Lighting Projects.

**Project Experience:**

**City of Fort Lauderdale: Galt Ocean Mile Streetscape Improvements in Fort Lauderdale, FL.** (FDOT D4 Grant Funded) After designing the conceptual plans for the Galt Mile Streetscape Project, CMA was contracted to provide full contract documents for the design and construction of the corridor. The purpose of this project was to develop a conceptual design and opinion of probable cost to upgrade and beautify the Galt Ocean Mile corridor, emphasizing traffic calming and bicyclist and pedestrian improvements. The proposed upgrades included milling and resurfacing of roadway; re-striping; bike lanes; sidewalk widening; relocation of existing trees; replacement and addition of landscape material; new streetlight fixtures; decorative paver hardscape incorporated into sidewalks, unloading areas, & crosswalks; raised crosswalks and/or raised intersections; and landscape lighting. Mr. Diez is the engineer of record for the new pedestrian lighting along the entire corridor.

**Town of Miami Lakes: Park West Bicycle and Pedestrian Improvements (FDOT D6 LAP).** This Federally funded FDOT LAP project is located along Montrose (NW 82nd Avenue) and Balgowan Roads from Miami Lakes Drive (NW 154th Street) to Ardoch Road, approximately 0.7 miles. The project consists of narrowing existing travel lanes, providing bike lanes, enhancing the existing crosswalks, updating the safety-related signing and pavement marking of the existing crosswalk connections and adding ADA connectivity and ramps. The work on Balgowan Road consists of narrowing the travel lanes and providing protected bicycle lanes on each side of the road. On Montrose Road, the work consists of adding a bike lane on the west side of the road, enhancing the existing crosswalks, updating the safety-related signing and pavement marking of the existing crosswalk connections. Mr. Diez provided electrical design for the new RRFB signals at the proposed mid-block crosswalk.

**FDOT D4: SW 10th Street Connector Progressive Design-Build: Independent Cost Estimator Contract.** This project is with FDOT District 4 to provide independent cost estimating, independent schedule verification, and risk assessment verification for the SW 10th Street connector and associated I-95 interchange modifications at SW 10th St. and Hillsboro Blvd. interchanges Progressive Design-Build project. CMA is a significant subconsultant on the Independent Cost Estimator contract. This project is just getting started. To-date, CMS has assisted with the independent cost estimating/cost verification for the ITS and adaptive signalization scope of work for the progressive Design-Build project. CMA provided a full designer cost estimate plus offered input toward elements of the design needed beyond what was shown in the 30% concept plans to aide construction estimators in developing construction level estimates. Mr. Diez performed the technical aspects related to ITS and adaptive signal elements for this task.

**Experience**

Years of experience at CMA: 3

Total years of experience: 9

**Education**

Bachelor of Science, Electrical Engineering, Florida International University

**Registrations**

Professional Engineer, Florida, 92828, 2021

## ERIC HARRISON, PLA

### Landscape Architecture



**cma**  
chen moore and associates

Mr. Harrison is the Director of Landscape Architecture for CMA's LA team and is proficient in Florida's plant palette, environmental conditions, and site-specific microclimates used to create functional, aesthetic landscape designs. He is well versed in low-impact development techniques applied to site planning and has extensive experience with parks and recreation facilities throughout Florida for public and private clients, providing design, permitting, and construction observation services. His experience includes urban landscapes, public spaces, campuses, athletic fields, multi-use trails, site amenities, playgrounds, aquatic facilities, wayfinding, amphitheaters, landscape, hardscape, and irrigation. Additionally, Mr. Harrison has served as an extension of municipal staff in several South Florida municipalities, reviewing permit plans, performing inspections, and updating local ordinances.

#### Project Experience:

**Blue Road Park. City of Coral Gables.** CMA is providing design, permitting, and construction administration services for the development of Blue Road Park, a neighborhood park, to serve residents. The plans will be based on the conceptual plans developed by the City and provided to CMA as an exhibit. The project program includes: site preparation (clearing and grading, removal of existing landscape); development of a site plan based on the provided concept plan to include landscape, irrigation, perimeter fencing, internal pathways, upland viewing deck, playground, site furnishings, and security lighting; attendance at public engagement meeting with the local residents; preparation of construction documents; coordination with permitting agencies; bid assistance; and construction administration services.

**Engineering Services. City of Westlake.** CMA provides engineering and landscape architecture services to the City of Westlake. The scope includes reviewing permit applications, reviewing plans for development within the entire city limits, coordinating with the City's planner, coordinating with the City's staff members, and coordinating with the Seminole Improvement District, whose jurisdictional boundary coincides with the City.

**Bay of Pigs Memorial Park Site Improvements. City of Miami.** CMA provided professional engineering and landscape architecture services for the design, permitting and construction services for site improvements at the Bay of Pigs Memorial Park. This City of Miami Office of Capital Improvements project included the expansion of the existing playground, new pedestrian walking paths, accessible fitness equipment, seating areas, site lighting, and a monument plaza. CMA's civil engineering and landscape architecture team partnered with surveying, structural engineering, and electrical engineering subconsultants to design this project in the heart of the Flagami neighborhood. The project evolved to also include Right-of-Way improvements which proposed new curb and gutters, roadway drainage system, parallel parking spaces, and sidewalks. The project now serves as a revitalized meeting place for the adjacent residents. **This project recently won the President's Choice Award at the Cuban American Association of Civil Engineers (CAACE) Annual Gala.**

**Carter Woodson Park and Community Garden. City of Oakland Park.** The project consists proposed improvements at Dr. Carter G. Woodson Park, located at 3490 NE 3rd Avenue, Oakland Park, FL. The park is approximately 1.41 acres. The proposed improvements include a new asphalt parking lot, new on-street parking, a new community garden, basketball court removal and replacement, playground surface upgrades with potential new playground equipment, and site lighting improvements. CMA shall be the civil engineer and landscape architect of record and shall design the site lighting. Geotechnical exploration and structural engineering shall be performed via subconsultant.

#### Experience

Years of experience at CMA: 12

Total years of experience: 22

#### Education

Bachelor Landscape Architecture,  
University of Florida, 2002

Associate of Arts, Palm Beach  
Community College, 1996

#### Registrations

Registered Landscape Architect,  
Florida, LA6667129, 2012; North  
Carolina, 2547, 2015

#### Professional Affiliations

American Society of Landscape  
Architects, 775964

International Society of Arboriculture

**MALLORY WELCH, PE**  
Traffic & Transportation Engineering



**cma**  
chen moore and associates

Mallory Welch, P.E. has 17 years of experience in project management, roadway design, and plans production including horizontal and vertical alignment based on FDOT and AASHTO standards. Has worked on projects for a wide variety of clients including FDOT Districts 1, 5 and 7, Florida's Turnpike Enterprise, and many other county and city municipalities. Skilled in the development of plans, specifications, and final delivery, ensuring the accurate, cost-effective and timely completion of projects to exceed client expectations.

**Project Experience:**

*Project experience prior to joining CMA.*

**FDOT D5: SR 438 Intersection Improvements from Kingsland Ave to Princeton St, Orlando, FL; 445696-1 & 445696-2.** A traffic operations and safety project in west Orlando involves improvements to five intersections within the 0.75 MI project limits between Kingsland Avenue and Princeton Street, including new mast arms at two existing signals and conversion of the three others to signalized Restricted Crossing U-Turns (RCUTs). In addition to the signal design, there were signing and pavement markings, ADA improvements, drainage design, and a complex multi-phase maintenance of traffic design to accommodate both vehicles and pedestrians while allowing the existing signals to remain operational during construction. One of the major challenges on the project has been to fit the proposed improvements within a highly developed corridor with limited right-of-way and numerous overhead and underground utilities. Served as Project Manager as well as Engineer of Record (EOR) for roadway and signing and marking on this project.

**FDOT D5: US 1 (SR 5) at Fay Blvd Intersection Improvements; Orlando, FL 445587-1.** Upgrade to the existing strain pole signal at the intersection to mast arms, along with reconstruction of the returns, sidewalk and ADA improvements, and milling of the existing roadways to update striping. Maintenance of traffic plans to address both vehicular and pedestrian traffic were also prepared. Served as Project Manager for this assignment.

**FDOT D5: SR 50/SR 471 Pavement Maintenance, FDOT District 5; Sumter County, FL 450772-1 & 445295-1.** This two-project bundle consists of pavement rehabilitation on approximately 11 miles of SR 50 and SR 471 (Market Boulevard) in Sumter County. One of District 5's first Pavement Only Projects of that fiscal year. The project was submitted to Production early and within budget despite the limited scope of survey provided. A 3D model was also developed for approximately 150' of SR 471 to correct a dip in the existing roadway profile. Served as roadway EOR for both projects, a field survey of the curb ramps within the City of Webster was performed as well for conformance with ADA criteria.

**Polk County: Chestnut Road Sidewalk from New Tampa Highway to West Memorial Blvd (SR 546); Polk County; Lakeland, FL.** Approximately one mile of new sidewalk, including a new pedestrian bridge, along the east side of Chestnut Road, a two-lane facility in Lakeland. The sidewalk will serve to connect residential neighborhoods with Kathleen High School on SR 546. Some of the challenges with this project included fitting the sidewalk inside a tight R/W along with accommodating large offsite drainage flows. Served as EOR on this assignment, responsibilities included oversight of the day-to-day design and plans production activities. Also, previously responsible for preparation of the Sidewalk Study justifying the project and selecting the alignment of the new facility.

**FDOT D5: SR 552 At SR 436; Orlando/Orange County, FL.** EOR for this project which involved adding a westbound right turn lane at this intersection. The project also included drainage modifications, pavement design, signing and pavement

**Experience**

Years of experience at CMA: <1

Total years of experience: 17

**Education**

Bachelor of Science, Civil Engineering, University of Florida, 2007

**Registrations**

Professional Engineer, Florida, 74792, 2012

Professional Affiliations

American Society of Civil Engineers

Florida Engineering Society

**Certifications**

FDOT Advanced MOT

FDOT Specs Package

**MATTHEW O'ROURKE**  
Construction Engineering & Inspection



**cma**  
chen moore and associates

Matthew "Matt" O'Rourke serves as CMA's Senior Construction Specialist with extensive experience with engineering construction projects in Florida. His responsibilities include coordination and monitoring of construction activities for public and private sectors, and serves as liaison to owners, contractors, subcontractors, residents, and governmental agencies. Additional responsibilities include the review and processing of change orders, progress payments and construction related reports, and representing the owners and engineers at pre-construction and various other meetings. He provides construction site observation. He also analyzes and approves any deviations from construction documents requested by the contractor to minimize potential delays. In addition, he reviews as-builts for accuracy, prepares punch list items, attends final walk-throughs, and assists in project closeouts. Additional responsibilities include constructability review and value engineering. Mr. O'Rourke will serve as a construction specialist for this contract.

**Project Experience:**

**Master Pump Station 224 Screening and Generator. Broward County.** BCWWS has requested a fee proposal from CMA to provide engineering services for the conceptual planning, design and presentation of screening options for the MPS and generator. The City of Lighthouse Point has voiced concerns to mask the station and improve the site appearance to the surrounding community. After final selection of the desired option, CMA will prepare design, permit and provide construction services for the site work. The engineering services shall also include optional engineering services to design and permit a generator for MPS 224 which is expected to be located at 4115 NE 22nd Avenue in Lighthouse Point. Master Pump Station 224 (MPS 224) was completed on a previous project, however Florida Department of Environmental Protection (FDEP) then indicated that a permanent generator is required.

**Construction Management Services for C-43 Canal Water Quality Treatment and Testing Project. South Florida Water Management District.** The District engaged CMA to provide construction management services for the C-43 Canal Water Quality Treatment and Testing Project in Glades County. The project involves building an above-ground test cell to demonstrate wetland-based strategies for reducing nutrient discharges, particularly nitrogen, to the C-43 Canal, Caloosahatchee River, and Estuary. CMA provides on-site oversight, inspections, and coordination with subconsultants for geotechnical and materials testing to ensure compliance with project drawings and specifications.

**Melrose Manors Neighborhood Stormwater Improvements. City of Fort Lauderdale.** Complete stormwater improvements for a 640-acre residential neighborhood. The project includes the design of the drainage system, including retention areas, weirs, outfalls, regrading of the road, swales and treatment areas. The project includes two stormwater pump stations and force mains that cross Broward Boulevard via Horizontal Directional Drilling. The project outfall is on the North Folk of the New River Canal. The force mains require easements on private properties. Relevant Highlights:

- Project includes over 60,000 linear feet of new drainage system with pipes of up to 72-inches in diameter
- Field verification of existing utilities and incorporation into GIS database
- The GIS database was used to generate initial AutoCAD base drawings
- Pipe sizing modeling

**NE 24th Street Stormwater Improvement Project. City of Wilton Manors.** CMA will provide professional civil engineering services for the coordination, investigation, design, regulatory permitting, and construction administration of stormwater improvements along NE 24th Street in the City of Wilton Manors.

**Experience**

Years of experience at CMA: 6  
Total years of experience: 17

**Certifications**

FDOT Maintenance of Traffic –  
Advanced Level  
FDOT CTQP – Concrete, Earthwork,  
Aggregate, LBR Technician  
A.C.I. – Concrete & Aggregate  
Testing Technician  
Nuclear Safety HAZMAT Certificate  
Radiation Safety Officer  
U.S.A.C.E. – Contractor Quality  
Control Manager  
FDOT Project Administrators  
Construction Academy 2011



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

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***Professional Profile***

**Mr. Stoner** is a second generation Land Surveyor, with over forty years of surveying experience in South Florida. He began his surveying career at Williams, Hatfield, & Stoner, Inc. working from the bottom as a Rodman, all the way up to Vice President of the Surveying Department.

**Mr. Stoner** founded Stoner & 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.



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***Education***

**Associates of Science in Land Surveying**  
*Palm Beach Community College in 1979*

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***Professional Registrations***

**State of Florida Professional Surveyor and Mapper**  
*License Number LS4039*

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***Professional Affiliations***

Florida Surveying and Mapping Society  
Florida Surveying and Mapping Society – Broward Chapter  
American Congress on Surveying and Mapping  
Leadership Broward



## EDUARDO M. SUAREZ, PSM

Principal-in-Charge

Leading the Longitude team is **Eduardo "Eddie" M. Suarez, PSM**. Recognized for his exceptional leadership, technical proficiency, and commitment to delivering top-tier surveying services, he has successfully navigated complex projects in diverse sectors, including commercial, residential, transportation and infrastructure developments. Having established a reputation for quality, integrity, and client satisfaction, Eddie has built and nurtured strong professional relationships. His collaborative approach ensures seamless coordination between multidisciplinary teams, driving projects toward successful outcomes. With a keen eye for detail and a passion for precision, he orchestrates the team's efforts with unwavering dedication.

### INDUSTRY TENURE

40 years

### LONGITUDE TENURE

21 years

### EDUCATION

AA, Miami Dade College (1993)

### REGISTRATIONS

Professional Surveyor  
and Mapper  
FL License No. LS6313

### AFFILIATIONS

Florida Surveying and  
Mapping Society  
Miami Chapter President

Florida Engineering Society  
Member

American Society of Civil Engineers  
Member

Utility Engineering Surveying  
Member

### RELEVANT EXPERIENCE

#### TRANSPORTATION PROJECTS:

- Broward County- Project Design Services of Adaptive Traffic Control Systems and Fiber Optic Network- Topographic, 3D Laser Scanning, Right of Way Analysis, Elevation Data Collection and UAV Drone Aerial Mapping services.
- City of Miami- Traffic Circle at North Bayshore: N Bayshore Drive from NE 15 Street to NE 17 Terrace- Topographic Survey.
- City of North Miami- Roadway of NE 137 Street between the easterly Right-of-Way of NE 6 Avenue and the westerly right-of-way of West Dixie Highway- Topographic and Tree surveying.
- FDOT D6- Resurfacing Restoration and Rehabilitation (RRR) of the SR 7 / US 441 / NW 8th Avenue / NW 7th Avenue from North of NW 3rd Street- Subsurface Utility Engineering (SUE) services.
- FDOT D6- CEI Survey Services- Construction surveying services.

#### WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:

- City of Coral Gables- Citywide Drainage Improvements, Granada Basin- 6 Roadway Segments- Topographic surveying.
- City of Miami Beach- North Shore D Neighborhood Improvement Project- Topographic Survey and Subsurface Utility Engineering (SUE) services.
- Miccosukee Tribe- Septic to Sewer Project- Aerial Photogrammetry services.
- SFWMD- S-71 Spillway Structure Replacement Project- Aerial Lidar services.
- City of North Lauderdale- RRR at 71st AVE from McNab to Southgate- Aerial Photogrammetry services.

#### PARKS & RECREATION AND FACILITY PROJECTS:

- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- City of Miami- Curtis Park- Sketch and Legal and Subsurface Utility Engineering Services (SUE).
- Town of Miami Lakes- Miami Lakes Park West Bicycle and Pedestrian Improvements (This was an FDOT Local Agency Program (LAP) project within Miami-Dade County)- Surveying services.



**GREG BOUIE, PSM**  
 Project Manager



**INDUSTRY TENURE**

19 years

**LONGITUDE TENURE**

1 year

**EDUCATION**

BS, History  
 Florida Int'l University (2005)

Surveying and Mapping Certificate  
 Southern Polytechnic  
 State University  
 (2008)

**REGISTRATIONS**

Professional Surveyor  
 and Mapper  
 FL License No. LS7169

**AFFILIATIONS**

Florida Surveying and  
 Mapping Society  
 Member

**Greg Bouie, PSM**, is a professional surveyor with 19 years of experience in the surveying and mapping field. He began his career in Dallas, Georgia, focusing on subdivision design and large boundary surveying projects around the Metropolitan Atlanta area. Greg started as an instrument person while studying surveying and mapping at Southern Polytechnic State University, gaining valuable field experience alongside his education in survey theory. Over the years, he has worked with well-known firms on a variety of projects, steadily growing his expertise. In 2018, Greg became a licensed surveyor in Florida, marking a key milestone in his career. In 2024, he joined Longitude Surveyors, where he leads operations from the firm's Broward office, managing multiple field crews and overseeing project execution throughout Broward County and surrounding areas. Greg continues to contribute to the industry through his strong technical background, leadership, and commitment to quality surveying practices.

**RELEVANT EXPERIENCE**

**TRANSPORTATION PROJECTS:**

- City of Oakland Park- North Dixie Right-of-Way- Topographic Survey.
- City of Oakland Park- Prospect Road Right-of-Way- Topographic Survey.
- City of Sunrise- NW 44<sup>th</sup> Street Improvement- Subsurface Utility Engineering (SUE) services.
- South Florida Water Management District (SFWMD) ROW Southwest 272<sup>nd</sup> Street & Southwest 217<sup>th</sup> Avenue- As-Builts
- Broward County- Design Services of Adaptive Traffic Control Systems and Fiber Optic Network- Topographic Survey, 3D Laser Scanning, Right-of-Way Analysis, Elevation Data Collection and UAV Drone Aerial Mapping.

**WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:**

- City of North Miami Beach North District Wastewater Treatment Plant Electrical Distribution Building No. 2- Misc. Surveying
- Village of Pinecrest- Drainage Sub-Basins U29 West & East- Research to see if easements exist for current outfall location along the canal.
- City of Riviera Beach Water Treatment Plant- Bathymetric, Topographic surveying and Subsurface Utility Engineering (SUE) services.
- City of Hallandale Beach- Water Main Replacement along Holiday Drive- Sketch To Accompany Legal Description, Topographic Survey with Title Search, Bathymetric surveying and SUE Soft-Digs.

**PARKS & RECREATION AND FACILITY PROJECTS:**

- City of Pompano Beach- Pompano Beach Senior Activity Center
- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- Fire Station No. 88507 Southeast 11th Court, Fort Lauderdale, FL





**JOHN H. ADLER, III, PSM**  
 Senior Surveyor / SUE Specialist

**INDUSTRY TENURE**  
 45 years

**LONGITUDE TENURE**  
 12 years

**EDUCATION**  
 AA, Miami Dade College (1994)

**REGISTRATIONS**  
 Professional Surveyor  
 and Mapper  
 FL License No. LS4693

**John H. Adler, III, PSM** is a highly skilled Surveyor with a specialized focus on Subsurface Utility Engineering (SUE) techniques, offering 45 years of expertise in the field. As a dedicated professional, he has demonstrated a proven track record in leading surveying projects, specializing in the accurate identification, mapping, and assessment of subsurface utilities. With an in-depth understanding of geospatial technologies and industry best practices. John has a keen eye for detail and a meticulous approach to data analysis, ensuring the precise documentation of subsurface utilities. By leveraging his knowledge of SUE standards, he has consistently delivered high-quality, reliable, and safe surveying solutions to a diverse range of clients. As a dedicated Senior Surveyor, he is committed to delivering innovative solutions and contributing significantly to the success of any project he undertakes.

**RELEVANT EXPERIENCE**

**TRANSPORTATION PROJECTS:**

- FDOT D6- Resurfacing Restoration and Rehabilitation (RRR) of the SR 7 / US 441 / NW 8th Avenue / NW 7th Avenue from North of NW 3rd Street- Subsurface Utility Engineering (SUE) services.
- Indian Creek Village- Roadway Redevelopment Plan- Bathymetric, SUE, and Sketch and Legal surveying services.
- City of Medley- NE from NW 102nd Rd. on NW 121st- Subsurface Utility Engineering (SUE) services.
- City of Miami- Traffic Circle at North Bayshore: N Bayshore Drive from NE 15 Street to NE 17 Terrace- Subsurface Utility Engineering (SUE) services.
- City of Sunrise- NW 44th Street Improvements Soft Digs- Subsurface Utility Engineering (SUE) services

**WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:**

- City of Miami Beach- North Shore D Neighborhood Improvement Project Topographic Survey and Subsurface Utility Engineering (SUE) services.
- City of Miami Beach- South Shore Drive Pump Station 22 Discharge Force Main Replacement- Topographic Survey, 3D Laser Scanning and Subsurface Utility Engineering (SUE) services.
- Miami-Dade Water and Sewer Department- Pump Station 1018 a portion of SW 131 Avenue along SW 280 Street to SW 132 Avenue- Topographic Survey and Subsurface Utility Engineering (SUE) services.

**PARKS & RECREATION AND FACILITY PROJECTS:**

- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- City of Miami- Curtis Park- Sketch and Legal and Subsurface Utility Engineering Services (SUE).
- Miami-Dade County Parks and Recreation Department- Rocky Creek Park Playground, Chapman Field Park, Chapman Field Park, Hammocks Community Park- UAV Drone services, Topographic Survey and Subsurface Utility Engineering (SUE) services.





**DARRYL HAUSER, PSM**  
 QA/QC Manager

**Darryl J. Hauser, PSM** is a results-driven Surveying QA/QC Manager with 35 years of experience in ensuring the highest standards of quality and accuracy in surveying projects. With a keen eye for detail and a passion for precision, he oversees the entire quality assurance and quality control process, ensuring that all surveying activities are conducted with utmost precision and adherence to industry regulations. Darryl has expertise in project management, construction administration, and quality assurance/quality control as well as Florida Department of Transportation procedures.

**INDUSTRY TENURE**

35 years

**LONGITUDE TENURE**

7 years

**EDUCATION**

BS, Surveying & Mapping  
 University of Florida  
 (1990)

Post Baccalaureate Study  
 (1992)

**REGISTRATIONS**

Professional Surveyor  
 and Mapper  
 FL License No. LS6277

**RELEVANT EXPERIENCE**

**TRANSPORTATION PROJECTS:**

- Broward County- Project Design Services of Adaptive Traffic Control Systems and Fiber Optic Network- Topographic, 3D Laser Scanning, Right of Way Analysis, Elevation Data Collection and UAV Drone Aerial Mapping services.
- City of Hialeah Roadway Improvements SE 4 Place to SE 7 Place from SE 6 Avenue to SE 8 Avenue- Topographic Survey .
- City of Hialeah Roadway Improvements SE 4-6 Avenue from Okeechobee Road to SE 4 Street- Topographic Survey.
- City of Miami- Traffic Circle at North Bayshore: N Bayshore Drive from NE 15 Street to NE 17 Terrace- Topographic Survey
- City of North Miami- Roadway of NE 137 Street between the easterly Right-of-Way of NE 6 Avenue and the westerly right-of-way of West Dixie Highway- Topographic and Tree surveying.

**WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:**

- City of Coral Gables- Citywide Drainage Improvements, Granada Basin- 6 Roadway Segments- Topographic Survey.
- City of Miami Beach- North Shore D Neighborhood Improvement Project Topographic Survey and Subsurface Utility Engineering (SUE) services.
- City of Miami Beach- South Shore Drive Pump Station 22 Discharge Force Main Replacement- Topographic surveying, 3D Laser Scanning and Subsurface Utility Engineering (SUE) services.
- Miccosukee Tribe- Septic to Sewer Project- Aerial Photogrammetry services.
- City of North Lauderdale- RRR at 71st AVE from McNab to Southgate- Aerial Photogrammetry services.

**PARKS & RECREATION AND FACILITY PROJECTS:**

- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- City of Miami- Curtis Park- Sketch and Legal and Subsurface Utility Engineering Services (SUE).
- Town of Miami Lakes- Miami Lakes Park West Bicycle and Pedestrian Improvements (This was an FDOT Local Agency Program (LAP) project within Miami-Dade County)- Surveying services.
- North Bay Village Fire Station and City Hall North Bay Village- Subsurface Utility Engineering (SUE) services.





**TELVA MOREJON, CST, SIT**  
Senior Survey Technician / Right-of-Way Specialist

**INDUSTRY TENURE**  
36 years

**LONGITUDE TENURE**  
9 years

**EDUCATION**  
BS, Civil Engineering  
University of Cienfuegos, Cuba  
(1994)

Professional Surveyor and  
Training Survey Technician CST  
No. 0617-5709

**Telva Morejon, CST, SIT** is a highly skilled Senior Survey Technician with a wealth of experience in the field of surveying for 36 years. Possessing a Surveyor and Training Survey Technician CST certificate, she brings a comprehensive understanding of surveying principles, methodologies, and cutting-edge technologies. Telva is a Surveying right-of-way specialist with a proven track record in facilitating seamless land acquisition processes for various projects. Possessing extensive expertise in interpreting property records, understanding legal descriptions, and navigating intricate land tenure systems, she excels in identifying, negotiating, and securing rights of way efficiently. Telva has also served as Project Manager Surveyor on multiple Florida Department of Transportation (FDOT) Contracts. Her extensive experience allows her to remain intimately familiar with FDOT standards, policies, and department procedures.

**RELEVANT EXPERIENCE**

**TRANSPORTATION PROJECTS:**

- Broward County- Project Design Services of Adaptive Traffic Control Systems and Fiber Optic Network- Topographic, 3D Laser Scanning, Right of Way Analysis, Elevation Data Collection and UAV Drone Aerial Mapping services.
- City of Hialeah Roadway Improvements SE 4 Place to SE 7 Place from SE 6 Avenue to SE 8 Avenue- Topographic Survey .
- City of Hialeah Roadway Improvements SE 4-6 Avenue from Okeechobee Road to SE 4 Street- Topographic Survey.
- City of North Miami- Roadway of NE 137 Street between the easterly Right-of-Way of NE 6 Avenue and the westerly right-of-way of West Dixie Highway- Topographic and Tree surveying.

**WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:**

- Indian Creek Village- Topographic and Bathymetric Surveying
- Village of Key Biscayne- Village of Key Biscayne- Topographic Survey.
- Miami-Dade Water and Sewer Department- Alexander Orr Water Treatment Plant - 3D Laser Scanning and Subsurface Utility Engineering (SUE) services.
- City of Riviera Beach- Riviera Beach Water Treatment Plant- Topographic Survey and Subsurface Utility Engineering (SUE) services.
- Monroe County- Design and Permitting for the Sea Level Rise Pilot Project (Big Pine-Fathers Way and D Avenue) Topographic Survey and Subsurface Utility Engineering (SUE) services.

**PARK & RECREATION AND FACILITY PROJECTS:**

- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- Recreation Center of Malibu Bay, Monterey at Malibu Bay- Topographic Survey.
- City of Miami Beach- Fire Stations No. 1 & 6- Boundary / Topographic Survey and Subsurface Utility Engineering (SUE) services.
- City of Miami- Fire Stations No. 9 & 11 and the Fire College- Boundary/ Right-of-Way survey.



## LONGITUDE SURVEYORS



**Jesse Ramon**  
 Senior Survey Technician

### INDUSTRY TENURE

13 years

### LONGITUDE TENURE

13 years

### EDUCATION

AA, Arts in Civil Engineering  
 Miami-Dade College  
 (2018)

BS, Geomatics  
 University State of Florida  
 (Present)

**Jesse Ramon** is a dedicated and results-oriented surveying project Technician. Skilled in utilizing advanced surveying technologies, managing cross functional teams, and ensuring project milestones are achieved on time and within budget. Adept at collaborating with clients, stakeholders, and regulatory authorities to ensure compliance with industry standards and regulations. Proven track record of delivering high-quality surveying services for a diverse range of projects, including transportation, infrastructure, commercial and residential. Strong leadership abilities coupled with excellent communication skills, enabling effective coordination between multidisciplinary teams and successful project outcomes. Committed to delivering accurate and reliable surveying solutions tailored to meet client requirements.

### RELEVANT EXPERIENCE

#### TRANSPORTATION PROJECTS:

- Broward County- Project Design Services of Adaptive Traffic Control Systems and Fiber Optic Network- Topographic, 3D Laser Scanning, Right-of-Way Analysis, Elevation Data Collection and UAV Drone Aerial Mapping services.
- City of Hialeah Roadway Improvements SE 4 Place to SE 7 Place from SE 6 Avenue to SE 8 Avenue- Topographic Survey .
- City of Hialeah Roadway Improvements SE 4-6 Avenue from Okeechobee Road to SE 4 Street- Topographic Survey.
- City of North Miami- Roadway of NE 137 Street between the easterly Right-of-Way of NE 6 Avenue and the westerly right-of-way of West Dixie Highway- Topographic and Tree surveying.
- City of Florida City- East Palm Drive Two Canals along 344th Street between US1 and SW 172nd Avenue, approx. 2, 200 Linear Feet, Phase I and Phase II- Topographic Survey, 3D Laser Scanning and Subsurface Utility Engineering (SUE)

#### WATER AND SEWER, DRAINAGE, PUMP STATION, BRIDGE, CANAL, AND WATER TREATMENT PLANT PROJECTS:

- Miccosukee Tribe- Septic to Sewer Project- Aerial Photogrammetry services.
- SFWMD- S-71 Spillway Structure Replacement Project- Aerial Lidar services.
- City of North Lauderdale- RRR at 71st AVE from McNab to Southgate- Aerial Photogrammetry services.
- City of Miramar- Miramar Water Treatment Plant- 3D Laser Scanning
- Indian Creek Village Seawalls- Topographic Survey.

#### PARK & RECREATION AND FACILITY PROJECTS:

- City of Miami- Ruben Dario Park- Platting, Sketch and Legal, Title Review, Boundary Survey and Subsurface Utility Engineering Services (SUE).
- City of Miami- Fire Stations No. 9 & 11 and the Fire College- Boundary/ Right-of-Way survey.
- City of Miami- Curtis Park- Sketch and Legal and Subsurface Utility Engineering Services (SUE).



## LONGITUDE SURVEYORS



## JOSEPH DANIEL EDWARDS, PE, SIT

Survey Technician / UAS Drone Pilot

**Joseph Edwards, PE, SIT** is a project engineer with over 10 years of experience in the civil engineering industry, specializing in the analysis and design of paving and grading for driveways and parking lots, stormwater drainage systems, water and sewer pipelines and structures, and pavement markings and signage. Additionally, Joseph has gained valuable experience in land surveying and geomatics, acquiring new skills that enhance his ability to understand infrastructure in depth—both before designs are developed and throughout the construction phases.

### RELEVANT EXPERIENCE

#### INDUSTRY TENURE

10 years

#### LONGITUDE TENURE

7 months

#### EDUCATION

University of Florida  
 Undergraduate Certificate in  
 Geomatics (Surveying) (2023)

BS, Civil Engineering  
 Florida International University  
 (2012)

MS, Engineering Management  
 with Structural/Wind/  
 Construction  
 Florida International University  
 (2014)

#### REGISTRATIONS

Professional Engineer  
 License No. PE101165

Department of Transportation  
 Federal Aviation Administration  
 UAS Drone Pilot  
 Certificate No. 4675348

#### KEY PROJECTS:

- City of Pompano Beach- Pompano Beach Senior Activity Center
- City of Coconut Creek - Right-of-Way Surveys for Multiple Segments of Roadways Adjacent to Several Schools within the City of Coconut Creek
- Villas as Corral Ridge 1821, 1823, 1825 NE 26 Avenue, Fort Lauderdale, FL
- Robbins Residences 3207 Robbins Rd, Pompano Beach, FL
- BOS UCC University Relocation 6300 South Dixie Highway, South Miami, FL
- North District Wastewater Treatment Plant 2575 NE 156th ST North Miami Beach, FL
- City of Miami- Ruben Dario Park 1610 NW 6th St, Miami, FL
- Plantation Schools- Plantation Middle School, Ben Gamla and Plantation High School
- City of Ft. Lauderdale- Fire Station No. 88507 Southeast 11th Court, Fort Lauderdale, FL
- Kendall-Tamiami Airport 14532 Southwest 129th Street, Miami, FL
- Waste Connections 3840 Northwest 37th Court, Miami, FL

#### OTHER KEY PROJECTS WHILE WORKING WITH ANOTHER FIRM:

- MS DEI 272 Multifamily Development, Miami-Dade County
- Merritt Island Plaza Redevelopment- Brevard County
- Southland Mall- Miami-Dade County
- Seaway Villas- Miami-Dade County
- Fort Lauderdale International Airport (FLA)- Broward County
- Civil Engineering Reviewer for the City of Parkland
- John Knox Village, Phase 2A, 2B and 3
- Courtyard Marriott in Miami, FL
- Lyons Park Neighborhood Improvements Project
- Canal System Stabilization Project- City of Lauderdale Lakes
- S-40, S-41 and S-44 Gate Replacements and Concrete Repairs- Miami-Dade County
- Canal Bank Erosion Mitigation- Miami-Dade County



**PANGEO**  
 CONSULTANTS

GEOTECHNICAL ENGINEERING AND INSPECTIONS

**Years of Experience:**

- 21

**Education:**

- Louisiana State University-Baton Rouge
- BS in Civil Engineering –2003

**Registrations:**

- Professional Engineer State of Florida #68448

**Professional Memberships:**

- FES - Florida Engineering Society-Broward Chapter Past President
- ASCE

**Awards:**

- Outstanding Technical Achievement by the Florida Engineering Society Broward Chapter 2014

**PAUL C. CATLEDGE, P.E.**

PRINCIPAL 2017 - Present

Mr. Catledge is a graduate of Louisiana State University with a B.S. in Civil Engineering, with over twenty-one (21) years of engineering experience including geotechnical analysis, design and inspection of deep and shallow foundation systems, and structural design. Mr. Catledge also has sixteen (16) 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. He is a founding principal of PanGeo Consultants.

The following is a partial listing of his project experience.

**RELATED EXPERIENCE**

**Terminal 4 Expansion, Port Everglades, Fort Lauderdale, FL**

Plans called for the construction of new mooring bollards within the apron between Terminal 4 and Slip 2, a new canopy at the southwest side of Terminal 4 between the terminal and the parking garage, an approximately 30 ft tall arch at the parking garage northside driveway entrance, and a new tower structure at the southeast corner of Terminal 4. The exploration of subsurface conditions included the performance of Standard Penetration Test (SPT) borings, and review of the Broward County Soil Survey Map. Pan Geo Consultants, LLC was requested to perform a total of seven (7) Standard Penetration Test (SPT) borings (ASTM D-1586) in order to evaluate the subsurface soil conditions within the footprint of the proposed structure. The borings were performed to depths of forty to eighty feet below the ground surface.

**Key West Ferry Terminal Expansion**

Performed barge based borings for a 121 foot long extension to an existing 180 foot long dock. Expansion was supported by square pre-cast concrete piles.

**Floating Docks at Key West Bight, Key West, FL**

Performed barge based borings, analysis and design for the construction of a 164 ft long floating dock system with 35 ft extensions along Trumbo Road in Key West. Piles were HSS 18 and 20 x 0.5 inch steel pipe. Lateral, uplift, and compressive capacities were analyzed.

**New Redundant Bypass Line, Fort Lauderdale, FL**

This project 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.

**CUMMINS | CEDERBERG**  
 Coastal & Marine Engineering

**GINA CHIELLO, WEDG**  
 Senior Marine Scientist & Environmental Permitting



**YEARS OF EXPERIENCE**

- 17

**EDUCATION**

- Graduate Certificate, Geographic Information Systems, Florida Atlantic University
- BSc Marine Biology, University of West Florida

**CERTIFICATIONS**

- NAUI Rescue Diver; PADI Enriched Air Nitrox Diver (IAND/EANx)
- AAUS Scientific Diver Compliant
- FDEP Stormwater, Erosion and Sedimentation Control Inspector
- Waterfront Edge Design Guidelines Associate

**PROFESSIONAL AFFILIATIONS**

- American Academy of Underwater Sciences
- Florida Association of Environmental Professionals, Treasure Coast Chapter, Past President
- Florida Association of Environmental Professionals, President
- Urban Land Institute SE Florida/Caribbean
- Leadership Institute Alumni
- Environmental and Land Use Law Section of the Florida Bar
- Leadership Palm Beach County, Alumni

*Gina, a Senior Director and marine scientist with over 17 years of experience, specializes in regulatory permitting, mitigation planning, habitat characterization, and marine resource surveying across South Florida and the Caribbean. A former reviewer for the Florida Department of Environmental Protection (FDEP), she brings deep expertise in environmental regulations and complex coastal projects, including seagrass mapping, restoration, and monitoring. Her strong background in regulatory permitting and the coastal and marine environment enables her to successfully lead complex projects while navigating strict regulatory frameworks. Gina specializes in planning and implementing seagrass mapping, restoration, and monitoring, ensuring effective management and preservation of marine ecosystems.*

**RELEVANT PROJECT EXPERIENCE**

**City of West Palm Beach Pilot Seawall Elevation Project, West Palm Beach, Florida.** The Pilot Project includes replacement of ~ 1,700 LF of seawall at a higher elevation and adding living shoreline components to support the City’s efforts to provide additional protection to upland infrastructure to reduce flooding from sea level rise, storm surge, and wave overtopping. As co-project manager and senior environmental oversight responsible for public outreach, environmental feasibility, concept design, marine resource surveying, and environmental permitting.

**Mockingbird Lane Drainage Improvements, Martin County, Florida.** Responsible for conducting a mangrove survey and permitting drainage improvements for a residential neighborhood located in a priority area identified during a sea level rise analyses performed under the “Resilient Martin” program. The project includes raising the road, installing culverts and installing a retaining wall. An old mosquito ditch with dense mangrove trees borders the road and will be impacted. Mitigation planning is also part of the scope of work. Design and agency (FDEP, USACE, Martin County) pre-application meetings are underway.

**Currie Park Redevelopment, City of West Palm Beach, Florida.** Currie Park is a 16-acre public waterfront park. The city is preparing an adaptive redesign of the park to mitigate flooding from rainfall, king tides, and sea level rise. Project manager responsible for the coastal components (e.g. rock revetment, living shoreline, boat ramp improvements, kayak launches, new over water piers and boardwalks, and “social” steps down to the water) of the project’s master plan including but not limited to permitting feasibility, concept planning, marina implementation strategy, public outreach interpretation and grant funding options master plan completed 2021. Currently, project manager responsible for fieldwork, engineering, permitting, and grant management to implement the master plan. State permits secured and federal permit underway. Additionally, assisted with securing a DEO grant which was awarded to the project in the amount of \$16M.

**Miami Shores Bayfront Park, Miami Shores, Florida.** Responsible for providing oversight for field investigations and permitting with DERM, FDEP and USACE for replacement of 880 LF of bulkhead at a public park. DERM, FDEP, and USACE permitting is underway.

**CUMMINS | CEDERBERG**  
 Coastal & Marine Engineering

**JACK HODGES, PE**  
 Construction Administration



**YEARS OF EXPERIENCE**

- 6

**EDUCATION**

- BSc, Florida International University

**LICENSES**

- Florida PE No. 92073

**CERTIFICATIONS**

- Asphalt Paving Level 1
- Concrete Field Testing Grade 1
- FDOT Concrete Field Inspector Specification
- Earthwork Construction Level 1
- FDOT Intermediate MOT

Jack has over 6 years of experience in construction engineering inspection and civil infrastructure design, with a focus on complex airport, municipal, and coastal projects. He has overseen large-scale airfield pavement reconstruction, utility realignment, and lighting system upgrades, ensuring compliance through rigorous material testing and quality control. His work includes managing water main replacements, seawall and dock inspections, and reinforced concrete evaluations, as well as preparing engineering reports and coordinating permitting with regulatory agencies. Jack also contributes to resiliency planning by analyzing flood mitigation concepts and developing detailed cost estimates for infrastructure adaptation strategies.

**RELEVANT PROJECT EXPERIENCE**

**Currie Park Redevelopment, West Palm Beach, Florida.** Currie Park is a 16-acre public waterfront park. Currie Park is a 16-acre public waterfront park. The City is preparing an adaptive redesign of the park to mitigate flooding from rainfall, king tides, and sea level rise. Responsible for the construction administrative tasks for this project including coordination with contractors, construction oversight, field reporting, quality assurance, responding to submittals and RFIs, reviewing pay applications, progress tracking, and ensuring compliance with project specifications and environmental regulations.

**Porto Vita Condominium, Aventura, Florida.** Marine engineering and structural design of 1,300 LF of shoreline incorporating a steel sheet pile seawall with concrete pile supports, 300 square ft. of fixed concrete finger and marginal docks, (17) steel pipe fender piles, and repairs to the existing fixed floating docks. Responsible for the construction administration tasks for this project including coordinating site visits with the contractor, field reporting, reviewing pay applications, and conducting rebar inspections of the reinforcement in the proposed seawall cap sections.

**Sunset Harbour Yacht Club Repairs, Miami Beach, Florida.** Providing marine engineering and construction administration services for the dock systems. The project involves continuous inspections and repairs to the concrete seawalls and dock systems for the marina. Responsible for site visits; providing analysis of seawall and concrete dock repairs, crack and spall repair tracking, and field reporting.

**Bayfront Park Docks Inspection, Miami, Florida.** Performed above- and below-water inspection of three fixed docks, two northernmost docks of approximately 2,500 SF each and one southern dock of approximately 3,000 SF. Responsible for inspecting deteriorating dock structures and assisted with the engineering report, which included an assessment of the existing docks and recommendations for repairs or replacement.

**CUMMINS | CEDERBERG**  
Coastal & Marine Engineering**JONATHON A. CUNNINGHAM, PE**  
Senior Marine Structural Engineer**YEARS OF EXPERIENCE**

- 8

**EDUCATION**

- BSc, Civil Engineering, Pennsylvania State University
- MSc, Civil Engineering, Johns Hopkins University

**LICENSES**

- Florida PE No. 92073
- Advanced Open Water Scuba

**PROFESSIONAL AFFILIATIONS**

- American Society of Civil Engineers (ASCE)
- Florida Association of Environmental Professionals (FAEP)

Jon is a senior engineer with experience in planning, engineering analysis, structural design, construction administration, and above- and below-water inspection, for marine and waterfront projects. He holds a bachelor's degree in civil engineering with a structural engineering concentration from Penn State University and a master's degree in civil engineering from Johns Hopkins University. Jon has eight years of experience as a structural engineer in building and marine/waterfront projects. Jon has completed and assisted with marine structure projects in the United States, Bahamas and Turks & Caicos Islands, including marinas, ports, mooring dolphins, bulkheads, seawalls, docks and piers.

**RELEVANT PROJECT EXPERIENCE**

**Citywide Strategic Seawall Capital Improvement Plan, St. Petersburg, Florida.** Providing coastal and marine engineering services to assess and classify the condition of approximately 72,000 LF (13.6 miles) of municipal seawalls. This strategic seawall capital improvement plan addresses rising sea levels and increased severe storm events, aligns with the City's vision for the seawalls by neighborhood and downtown waterfront district, and includes the development of a GIS database, a coastal design toolbox, and prioritization of repairs and/or replacements based on available funding. Conducted above and below-water inspections, documented the condition of each seawall in detail, and compiled a comprehensive report of findings, highlighting critical areas needing immediate attention and those requiring long-term maintenance.

**Fincantieri Shipyard, Jacksonville, Florida.** Provided structural/marine engineering services for leading the design of nearly 2,000 LF of steel pipe pile bulkhead, mooring dolphins to accommodate the +/- 500 ft long dry dock facility, dredging along the length of the bulkhead, as well as fendering and mooring bollards. Services included marine structural engineering design and construction administration services.

**Derecktor Shipyards Travel Lift Design, Ft. Pierce, Florida.** Marine engineering design and construction administration services for a new haul-out basin within an existing port pier and relieving platform to consist of auger cast-in-place pile foundations, pre-stressed pre-cast square concrete pile foundations, and reinforced concrete relieving platform slab for support a 1500-ton mobile boat hoist.

**Coronado Seawall and Marina, Highland Beach, Florida.** Provided marine engineering and structural design for a 450 LF of steel sheet pile and concrete pile supported seawall and (9) fixed wood finger docks. Services performed above and below-water inspection, design, and construction administration services.

**Colonial Club Seawall Repair and Replacement, Boynton Beach, Florida.** Initially performed above and below water inspection for a 1,500 LF seawall in need of repair. Designed the new seawall consisting of AZ hot-rolled steel sheet pile, pre-stressed concrete batter piles, and a steel reinforced cap. Construction administration services were also performed as well as a serving as Special Inspector for the marine structural components during construction.

**CUMMINS | CEDERBERG**  
 Coastal & Marine Engineering

**JORDON CHEIFET, PE, CFM**  
 Senior Coastal Engineer



*Jordan is a marine and coastal engineer with more than 20 years of technical and project management experience, including coastal engineering, beach nourishment design, waterfront structure design, FEMA coastal floodplain mapping, shoreline restoration/stabilization design, numerical modeling, and marina design. His field experience includes underwater waterfront facility inspections, GIS/GPS data collection and analysis, surveying, and construction administration. Jordan is a registered Professional Engineer in the State of Florida, Alabama, and Texas, as well as a Certified Floodplain Manager.*

**YEARS OF EXPERIENCE**

- 20

**EDUCATION**

- MSc Ocean and Resources Engineering, University of Hawaii
- BSc Civil Engineering, Pennsylvania State University

**LICENSES**

- Florida PE No. 72876

**CERTIFICATIONS**

- Certified Floodplain Manager
- Certified Video Ray ROV Operator
- Surface Supplied Air Underwater Inspection Certification
- Advanced/Rescue/Nitrox SCUBA

**PROFESSIONAL AFFILIATIONS**

- Association of State Floodplain Managers, Member
- Florida Floodplain Managers Association, Member

**RELEVANT PROJECT EXPERIENCE**

**Citywide Seawall Assessment, City of Pompano Beach, Florida.** Project Manager responsible for leading the engineering condition assessment of 15 City-owned seawalls. The assessment evaluated current condition, estimated remaining design life, and provided preliminary repair and replacement costs to ensure compliance with §151.05 Tidal Flood Barriers. Reconnaissance surveys and engineering dive inspections were completed for approximately 2,900 linear feet of seawalls. LiDAR data was processed to develop a Digital Elevation Map. An inspection report detailed observations, service life estimates, and prioritized recommendations for rehabilitation or replacement, with findings incorporated into the City's Capital Improvement Plan.

**City of West Palm Beach Pilot Seawall Elevation Project, West Palm Beach, Florida.** The Pilot Project includes replacement of ~1,700LF of seawall at a higher elevation and adding living shoreline components to support the City's efforts to provide additional protection to upland infrastructure to reduce flooding from sea level rise, storm surge, and wave overtopping. Project manager and EOR responsible for public outreach, concept design, field investigations, engineering design, bidding and construction support services.

**City of Deerfield Beach Stormwater Master Plan, Deerfield Beach, Florida.** Conducted a field investigation to evaluate existing coastal stormwater and flood defense structures in tidal waters relative to service life for the City. The project included a detailed analysis of historical water levels to establish design water levels based on king tides, storm events, and long-term sea level rise projections. Recommendations for maintenance and repairs were summarized in a Coastal Condition and Resiliency Report.

**Tidal Flood Mitigation and Shoreline Protection, Hollywood, Florida.** The project consists of evaluating 22 areas, covering over 10,000 LF of shoreline, along the areas known as North and South Lake . Each area will have specific solutions to address seasonal flooding challenges, which may entail the design and implementation of varied shoreline protection infrastructure such as of living shorelines, rock revetments, and bulkheads, to meet the requirements of the new Broward County ordinance. Jordan has performed upland and in-water engineering site inspections along City owned shoreline to evaluate conditions of existing seawalls and revetments.

**CUMMINS | CEDERBERG**  
 Coastal & Marine Engineering



**PENNY CUTT**  
 Sr. Environmental Permitting Lead

*Penny has 30 years of experience in the fields of environmental monitoring, assessment, planning and regulatory permitting to support the firms' commitment to sustainability. She applies this project management experience to ensure timeliness and accuracy of deliverables for projects being managed. Penny can quickly evaluate complex scientific information and communicate it to lay leaders for decision-making purposes. She has a proven track record negotiating complex technical issues, particularly regarding aquatic and coastal ecosystems. The first half of Penny's career was in the public sector administering federal, state, and county environmental regulatory programs. This government expertise has been paramount to her success in the more recent half of her career assisting public and private clients in the private sector.*

**YEARS OF EXPERIENCE**

- 30

**EDUCATION**

- Dual MSc Marine Biology and Coastal Zone Management, Nova Southeastern University (Pending Capstone Review)
- BSc Agricultural Operations Management, University of Florida

**CERTIFICATIONS**

- Advanced Open Water Scuba
- DAN (First Aid, CPR, AED & Oxygen)
- U.S. Power Squadron Safe Boat Operation Certification

**PROFESSIONAL AFFILIATIONS**

- Broward County Marine Advisory Committee, Appointed Member
- Pompano Beach Marine Advisory Board, Appointed Member, Vice-Chair
- Pompano Beach Zoning Board of Appeals, Appointed Member
- South Florida Association of Environmental Professionals
- Treasure Coast Florida Association of Environmental Professionals

**RELEVANT PROJECT EXPERIENCE**

**Tidal Flood Mitigation & Shoreline Protection, Hollywood, Florida.** Project manager for tidal flood mitigation across 22 city owned shoreline segments inclusive of parks, a marina, right of way shorelines, and segments of roadway. Engineering assessments, environmental surveys, and concept development have been performed. An additional seagrass mapping survey was conducted prior to permit application in the 17 project sites with proposed in-water work in 2022. Mapping was conducted for three species of seagrass (*Halophila johnsonii*, *Halodule decipiens* and *Halodule wrightii*). A basemap and report were prepared for both years. The remaining scope of services includes above and below water engineering assessments, coastal and marine engineering, mangrove surveys, environmental permitting, bidding assistance, and construction administration.

**Holland Park, Hollywood, Florida.** Project manager for tidal flood mitigation at Holland Park. Conducted benthic resource survey; presented project at public meetings; coordinating design team to include survey, geotech, civil, landscape architecture, environmental permitting, and marine engineering; developed conceptual designs, preparing permit application packages.

**Citywide Living Shoreline Site Viability Assessment, Miami Beach, Florida.** Project Manager for the assessment 10 city owned sites and ranked the top 3 to develop designs for living shorelines. Responsibilities included managing the analysis of 118 City-owned shoreline segments to select locations for living shorelines to increase the stabilization and resiliency of waterfront property and increase community engagement with the waterfront. Ten City-owned shoreline segments were identified for field investigations to assess viability for development of living shorelines. Deliverables involved marine resource survey report, grant funding evaluation, and site suitability report. Conceptual designs were developed for the top three ranked sites, and findings were presented to the City.

**Las Olas Marina, Ft. Lauderdale, Florida.** Senior director managing the environmental permitting process for the Las Olas Marina Redevelopment Project. This project involves an expansion of the existing marina through reclamation of previously filled tidal waters, renovating the marina layout to accommodate megayacht vessels, and new dredging.



**Ricardo Madriz, P.E., LEED AP**

Vice Principal/Sr. Project Manager

**PROFESSIONAL EXPERIENCE**

Mr. Madriz is a Vice Principal at MUE and brings more than seventeen years of structural engineering practice and skill to the table.

He is incredibly knowledgeable in building structures and analysis, the latest software, and current building codes and industry standards.

Ricardo Madriz has experience in the structural design of educational facilities, municipal, facilities, high-rise buildings, building restoration, residential buildings, water related structures, office buildings and parking garages.

**EDUCATION**

Master of Engineering:  
 McGill University, 2004

Bachelor of Civil Engineering  
 McGill University, 2002

**REGISTRATION**

Registered Engineer  
 State of Florida  
 Reg. No. PE 68444

**• BENEFITS FOR THE CITY OF POMPANO BEACH**

- 17+ years in professional practice
- Previous working experience with various municipalities in Florida including Broward County, City of Coral Springs, Town of Davie, City of Southwest Ranches, City of Delray, City of Pompano Beach, City of Miami Gardens, City of Lauderhill, City of Tamarac, City of Oakland Park, and City of Boca Raton
- Project Role: Mr. Madriz will oversee the daily project management, ensuring timelines are met, project is moving forward, reviewing project engineers work and answering and solving questions, communicating with the entire design team and final overall structural drawings.
- LEED Certified

**RELEVANT PROJECT EXPERIENCE**

**Fort Lauderdale Aquatic Center, Fort Lauderdale, Florida- Project Manager/Engineer.** This project involves the complete structural design of a new sea wall, approximately 1,407 feet long, to replace the existing sea wall at the Fort Lauderdale Aquatic Center.

**Ocean Cay Marine Reserve, Bahamas-Project Manager/Engineer.** Our role for this project was the structural design and engineering of the transformation of an uninhabited Bahamian island to a new private island destination for a prominent cruise line. Roughly 40 different building structures were engineered and designed.

**Secret Woods Park, Fort Lauderdale, Florida-Engineer.** MUEngineers, Inc. was involved in the structural design of an elevated wood walkway, deck, and a two-story observation platform. MUE provided details of precast concrete piles, aluminum C-section girders bolted to the precast concrete piles, and wood truss tie-downs.

**Haulover Park-Seawall Repair, Miami, Florida-Engineer** – MUE provided structural engineering services related to the repair procedure and scope for a failed stretch of seawall in Haulover Park.

**Port Everglades Consolidated Maintenance Facility Building, Hollywood, FL-Sr. Project Manager.** MUE provided comprehensive schematic design plans relating to the consolidation of all port maintenance functions, including a gas station and vehicle maintenance facility. The project is now in Phase II aiming for a final set of construction documents for September 2025.

**Sunny Lakes Observation Deck, Davie, Florida-Project Manager.** MUEngineers, Inc. was involved in the renovation and replacement of a wood observation deck and walkway in the park. MUE provided details and engineering for girders to wood piles, wood joists and connections and post bracing details.

**Mills Pond Park, Fort Lauderdale, Florida – Project Manager** - MUEngineers, Inc.'s role on this project was the structural design of a new 10'x10' elevated wood observation deck in the park. The project was awarded in 2016 and was completed in 2017.

**Marina Boat Ramp, Hollywood, Florida-Engineer.** MUE designed a new seawall structure in front of and replacing the existing deteriorated seawall structure, as well as structurally engineering an extension of the existing boat ramp. MUE also performed special inspections during the construction of the project.

**Senior Activity Center, Pompano Beach, Florida-Project Manager-A** member of the team for the City of Pompano Beach for the structural design and engineering related to a new one-story senior activity community center.



**Marcus Unterweger, P.E., S.I., LEED AP**

Principal

**BENEFITS FOR THE CITY OF POMPANO BEACH**

- 26+ years in professional practice
- Previous working experience with various municipalities in Florida including Broward County, City of Miami, City of Hallandale Beach, City of Aventura, Palm Beach County, City of Lake Park, City of Clewiston, City of Pompano Beach, City of Deerfield Beach, City of Hollywood, City of Coral Springs, Town of Lake Park, City of Delray Beach, and City of Boca Raton
- Project Role: Mr. Unterweger will oversee the project from start to finish. He will represent MUE at meetings, presentations, and/or site visits. He will interact directly with the client, design team and contractors.
- LEED Certified

**PROFESSIONAL EXPERIENCE**

Mr. Unterweger is the President of MUE. He is a Florida registered professional engineer with over twenty-six years of professional experience. His experience includes the structural design of educational facilities, municipal facilities, high-rise buildings, healthcare facilities, churches, clubhouses, building restoration, office buildings, pedestrian bridges and parking garages.

Marcus Unterweger has owned and operated MUEngineers since 2010, and leads a team of smart, pioneering professionals who share his vision and commitment to delivering superior results for the customers.

**EDUCATION**

Master of Engineering: Dipl. Ing. Technical University of Munich, Germany, 1999

Master of Business, Business School of Edinburgh, Britain, 2004

**REGISTRATION**

Registered Engineer  
 State of Florida  
 Reg. No. PE 63860

Registered Special  
 Inspector/Threshold  
 Buildings  
 State of Florida  
 Reg. No. 7027309

**PROFESSIONAL AFFILIATIONS**

American Society of Civil Engineers

American Institute of Steel  
 Construction

American Concrete Institute

**RELEVANT PROJECT EXPERIENCE**

**Fort Lauderdale Aquatic Center, Fort Lauderdale, Florida-Principal in Charge.** This project involves the complete structural design of a new sea wall, approximately 1,407 feet long, to replace the existing sea wall at the Fort Lauderdale Aquatic Center.

**Seawall Assessment and Restoration, Aventura, Florida-Principal-in-Charge.** MUE was involved in the restoration of two sections of seawalls located along canals (2.1 miles) for the City of Aventura. During the visual observations, structural assessment of the current conditions of the existing piles, seawall panels and seawall caps were obtained, analyzed and written report of our findings was prepared.

**Torry Island Seawall & Walkway, Belle Glade, Florida - Principal in Charge** – MUE’s role on this project was to structurally design a new 800ft long new bulkhead/seawall structure and concrete boardwalk structure. Additionally, MUE engineered foundations and anchor points to secure floating dock structures designed by another company.

**Secret Woods Park, Fort Lauderdale, Florida-Principal in Charge.** MUEngineers, Inc. was involved in the structural design of an elevated wood walkway, deck, and a two-story observation platform. MUE provided details of precast concrete piles, aluminum C-section girders bolted to the precast concrete piles, and wood truss tie-downs.

**Haulover Park-Seawall Repair, Miami, Florida Principal in Charge** – MUE provided structural engineering services related to the repair procedure and scope for a failed stretch of seawall in Haulover Park.

**Seawall Assessment and Restoration, Aventura, Florida-Principal-in-Charge.** MUE was involved in the restoration of Phase II of the seawall restoration project. An additional two sections of seawalls located along canals (2.5 miles) for the City of Aventura. Following the assessment, MUE developed repair and restorative procedures tailored to the deteriorated components, designed structural details, and prepared permit documents to support the restoration work.

**Oyer Park Boat Ramps, Boynton Beach, Florida-Principal in Charge.** This project involves the design of a new concrete boat ramp to replace the existing ones, as well as the design of a new pile support for a new floating dock structure.

**Yacht Management, Fort Lauderdale, Florida-Principal in Charge.** MUE structurally designed a new seawall and apron slab for a new boat haul out well location as well as two new finger piers to support a mobile boat lift.

**Pioneer Park Boat Ramps, Boynton Beach, Florida-Principal in Charge.** MUE structurally designed a new 75ft long boat ramp structure with a floating dock.

**Marina Boat Ramp, Hollywood, Florida-Principal in Charge.** MUE designed a new seawall structure in front of and replacing the existing deteriorated seawall structure, as well as structurally engineering an extension of the existing boat ramp. MUE also performed special inspections during the construction of the project.

Professional Resume  
**TYLER CHAPPELL**

**Education**

Texas Christian University- Fort Worth, Texas, Bachelor of Science, August 1997, Environmental Science

**Summary**

Mr. Chappell's capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting, mitigation design, and mitigation monitoring. Mr. Chappell has performed a number of endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. Mr. Chappell has also conducted construction compliance inspections including turbidity monitoring for wetland and coastal projects. He has over twenty years of experience in many types of environmental permitting, including residential docks, marinas and coastal development.

**Professional Experience:**

VICE PRESIDENT

APRIL 2005 – PRESENT

***The Chappell Group, Inc. Pompano Beach, Florida***

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands. Construction compliance inspections including turbidity monitoring for wetland and coastal projects.

DIRECTOR, ENVIRONMENTAL SERVICES

JANUARY 1998 – APRIL 2005

***Craven Thompson & Associates, Inc. Fort Lauderdale, Florida***

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands.

**Partial List of Projects:**

- Pembroke Road over I-75, Pembroke Pines/Miramar, FL
- Palm & Hibiscus Islands, Miami Beach, FL
- Port Everglades Wetland Enhancement, Port Everglades, FL
- Fort Lauderdale Force Main Crossings, Fort Lauderdale, FL
- West Side Dry Retention at the FLL Airport, Fort Lauderdale, FL
- NE 10<sup>th</sup> Street Extension, Fort Lauderdale, FL
- Sheridan Street, Pembroke Pines, FL
- Comcast Intracoastal Waterway, Hollywood, FL
- Port Everglades Turning Notch Expansion, Port Everglades, FL
- Hiatus Road Improvements, Sunrise, FL
- River Oaks Stormwater Preserve, Fort Lauderdale, FL
- Chapel Trail, Pembroke Pines, FL
- Hollywood North Beach Mooring Field, Hollywood, FL
- Port Everglades Turning Notch, Port Everglades, FL
- Sample Road Crossing, Lighthouse Pointe, FL
- Hollywood Directional Bore, Hollywood, FL
- Dania Beach Waterfront Revitalization, Dania Beach, FL
- Miramar Regional Park, Miramar, FL
- North Fork Riverfront Park, Fort Lauderdale
- Port Everglades Bridge/FPL Discharge Canal, Port Everglades, FL
- Broward County Mitigation Monitoring, BC Waste & Recycling Services, FL
- Ravenswood Bridge Improvements, Dania Beach, FL
- SW 145<sup>th</sup> Avenue, Miramar, FL



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[tyler@thechappellgroup.com](mailto:tyler@thechappellgroup.com)  
[www.thechappellgroup.com](http://www.thechappellgroup.com)

**Education:**

BS in Electrical Engineering-  
 1989, Florida International  
 University

## Jose L. Reyes

*C&W Engineering Inc. – Electrical Engineer*

### Professional Employment History

Jose has over twenty-six years of proven experience in industrial, municipal and electric utility design and construction projects. His experience includes electric power distribution, design of water and waste water, and storm water projects, and their construction. He also has experience with telecommunications, lighting and recreational lighting. His greatest strengths include power, instrumentation, telecommunications systems, controls and telemetry systems

### Representative Projects

#### **Palm Beach County Water Utilities MLS 5133**

Rehabilitation of a wet well lift station to a booster pump station using VFD equipment and Fiber Optics based telemetry, with PLC control and field instruments, along with lightning protection and the like.

#### **Okeechobee Deep Well Injection System**

Designed two new Deep injection wells including power and controls systems monitored remotely through SCADA.

#### **Okeechobee Utility Authority Water Treatment Plant – High Service and other plant improvements**

The work included Filter Effluent Transfer Pump rehabilitation, and provided several improvements to the ground storage tank, a new sludge thickener including new high service pump station, modifications to the existing electrical system, including installing a new main breaker.

#### **Martin County Utilities Golden Gate Vacuum Sewer Pump Station**

The project included conversion of septic to vacuum sewer including a new pump station building, with VFD equipment, generator, ATS switch and building lighting and miscellaneous field instruments.

#### **Palm Beach County Water Utilities Department of Lift Stations**

The project included rehabilitation of 30 existing stations with new power service, control panels, remote telemetry equipment and field instruments.

#### **Town of Palm Beach Ejector Lift Stations**

The project included converting several air operated lift stations to electrically operated stations and interface new electrical equipment with telemetry.

### Professional Experience

Project Engineer, Resource Management International, Inc.  
 Field Engineer, City of Lake Worth Utilities.

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C&W Engineering Inc.  
 6903 Vista Parkway North, No 10  
 West Palm Beach, FL 33411  
 (561) 642-5333


**Education**

BS in Electrical Engineering, 1993  
 Florida Atlantic University

**FL Registration:**

PE No. 60755

**Professional Associations:**

Florida Engineering Society (FES)  
 Florida Institute of Consulting Engineers (FICE)

Michael A. Guida, P.E.

*C&W Engineering, Inc. - President/Electrical Engineer*

**Professional Employment History**

Michael has over 28 years of proven experience in commercial, industrial, health care, educational, residential and photovoltaic designs for construction. His experience includes electrical engineering design and project management of various municipal, commercial, industrial, educational and health care facilities. He has project managed and coordinated/designed projects with Electrical, HVAC, Plumbing and Fire Protection systems through to completed construction. He has a firm knowledge of FFPC, NFPA codes, Florida Building Code and of course NEC.

**Representative Projects**
**Palm Beach County Lift Station Rehabilitation Project B, Bid Pkg. 2**

Work Included new service wires, conduit, main service, control panel; sizing for pumps and voltages.

**Okeechobee Deep Well Injection System**

Designed two new deep injection wells including power and control systems monitored remotely through SCADA.

**Okeechobee Utility Authority Water Treatment Plant – High Service and other Plant improvements**

The work included filter effluent transfer pump rehabilitation and provided server improvements to the ground storage tank, a new sludge thickener, including new high service pump station, modifications to the existing electrical system and a new main breaker.

**Martin County Golden Gate Vacuum Sewer Pump Station**

The project included conversion of septic to vacuum sewer including a new pump station building with VFD equipment, generator, ATS switch, building lighting and miscellaneous field instruments.

**West Palm Beach ECR Water Reclamation Facility**

The project included GBT building, HVAC evaluation and design, electrical and HVAC load calculations, design.

**Palm Beach A-7 Pump Station**

Upsizing of pumps to 12HP, reuse the power service, reuse and modify control panel, wet well level control system, RTU points.

**Palm Beach E-3 and G-9 Sanitary Pump Station Improvements**

The work included Electrical Engineering and design of new control panels, conduits, service conductors, main breakers. New RTU system, as needed. New remote telemetry system.

**Pembroke Pines WWTP Rehabilitation, Phase 1**

The project included Electrical Engineering and design of new control panels, conduits, service conductors, main breakers. RTU system, as needed and new remote telemetry system.

C&W Engineering, Inc.  
 6903 Vista Parkway North, Suite 10  
 West Palm Beach, FL 33411  
 561-642-5333

# OFFICE LOCATIONS

# OUR FIRM

Founded in 1986, Chen Moore and Associates, Inc. (CMA) is an awarded Florida Corporation specializing in planning, civil engineering, water and sewer, water resources, electrical engineering, transportation, landscape architecture and irrigation, environmental, and construction administrative services. The firm has its headquarters in Fort Lauderdale, with regional offices in Miami, West Palm Beach, Tampa Bay (St. Petersburg), Orlando (Maitland), and Jacksonville, and additional offices in Jupiter, Port St. Lucie, Sarasota, Gainesville, Tallahassee, Atlanta, Raleigh (Cary), and Knoxville. The firm commits to providing responsive quality services while meeting the schedules and specific project needs of our clients. CMA has successfully worked for municipalities in Broward County for over three decades, including experience with federally grant funded projects.

CMA embodies its core values through **Leadership, Excellence, Philanthropy, Culture, and Community**. CMA draws inspiration from its founder, Dr. Ben Chen, P.E., and is guided by the vision set by its current leadership team, led by President Peter Moore, P.E., F.ASCE, FACEC, F.FES. The firm continues to grow by striving for excellence in design, innovation, project management, and quality.

CMA recognizes the importance of giving back through its commitment to philanthropy. At all levels of our organization, employees contribute their time and resources to community and profession-related events, making a positive impact beyond our office walls. The CMA Family culture is about quality and excellence in our professional work, while contributing as a leader in our communities in a fun work environment to build relationships and leave a lasting legacy.



**Years in Business:** 39

**CMA Engineering License:** Florida #4593

**CMA Florida Certificate of Status:** J41454

**Firm Information**

Chen Moores and Associates, Inc.  
 500 W Cypress Creek Rd, Suite 600  
 Fort Lauderdale, FL 33309

"We are matching our areas of growth with the infrastructure needs of the State of Florida."

**- Peter Moore, P.E., F.ASCE, FACEC, F.FES**  
 President and CEO

## Florida Office Locations

**FORT LAUDERDALE, FL**

500 West Cypress Creek Road, Suite 600  
 Fort Lauderdale, FL 33309

**MIAMI, FL**

3150 SW 38th Ave, Suite 950  
 Miami, FL 33146-1531

**WEST PALM BEACH, FL**

500 Australian Avenue South, Suite 850  
 West Palm Beach, FL 33401

**ORLANDO AREA, FL**

2290 Lucien Way, Suite 360  
 Maitland, FL 32751

**JACKSONVILLE, FL**

501 Riverside Avenue, Suite 501  
 Jacksonville, FL 32202

**TAMPA BAY AREA, FL**

450 Carillon Parkway, Suite 210  
 St. Petersburg, FL, 33716

**PORT ST. LUCIE, FL**

2400 SE Veterans Memorial Parkway  
 Suite 120, Port St. Lucie, FL 34952

**JUPITER, FL**

1851 W. Indiantown Road, Suite 100  
 Jupiter, FL 33458

**SARASOTA AREA, FL**

2520 N Tamiami Trail, Suite 15  
 Nokomis, FL 34275

**TALLAHASSEE, FL**

113 S Monroe Street, Suite 123  
 Tallahassee, FL 32301

**GAINESVILLE, FL**

2233 Northwest 41st Street, Suite 400  
 Gainesville, FL 32606

**PENSACOLA, FL**

545 Brent Lane, Suite 105A  
 Pensacola, FL 32503

# CITY FORMS

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.**

**PROPOSER INFORMATION PAGE**

**RFP** RLI 26-003, Continuing Contract for Civil Engineering Services (CCNA)  
(number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) Peter Moore, PE, F.ASCE, F.ACEC, F.FES Title President

Company (Legal Registered) Chen Moore and Associates, Inc.

Federal Tax Identification Number 59-2739866

Address 500 West Cypress Creek Road, Suite 600

City/State/Zip Fort Lauderdale, FL 33309

Telephone No. (954) 730-0707 Fax No. (954) 730-2030

Email Address pmoore@chenmoore.com; jlockwood@chenmoore.com

**QUALIFICATIONS OF BIDDERS**

Bidder Company Name Chen Moore and Associates, Inc.

**Qualifications Of Bidders**

To demonstrate qualifications to perform the work, and to be considered for award, each bidder shall submit at least three (3) business customer references. Provide information for business customers for whom you have performed work of this nature which you list as references, excluding the City of Pompano Beach. (Use an attachment if necessary.)

1. Name and address of customer: The City of Dania Beach  
1201 Stirling Road, Dania Beach, FL 33004

Contact person name, telephone number and email address: Fernando Rodriguez  
frodriguez@daniabeachfl.gov, (954) 924-6800 x3740

Description of services provided and date(s) of service: 2000 - 2025

Chen Moore and Associates (CMA) has built a long-standing partnership with the City of Coral Springs, supporting a wide range of municipal infrastructure needs through planning, design, permitting, and construction services. Our work enhances essential public services and reflects a shared commitment to innovation, responsiveness, and community-focused solutions across utilities, stormwater, transportation, and general engineering.

2. Name and address of customer: The City of Coral Springs  
9500 W Sample Rd., Coral Springs, FL 33065

Contact person name, telephone number and email address: Najla Zerrouki, P.E.  
nzerrouki@coralsprings.gov, (954) 345-2188

Description of services provided and date(s) of service: 2020 - 2025

CMA has over 20 years of experience working with the City of Dania Beach, with a strong understanding of City standards and procedures. CMA has delivered multiple residential drainage projects, supported NPDES compliance, completed the City's Stormwater Master Plan, and is currently assisting with the City's Resiliency Plan.

3. Name and address of customer: The City of Fort Lauderdale  
101 N.E. 3rd Avenue, #2100 Fort Lauderdale, FL 33301

Contact person name, telephone number and email address: Cyrill Garcia  
CyGarcia@fortlauderdale.gov, (954) 828-5867

Description of services provided and date(s) of service: 2020 - 2025

CMA has recent work experience as a prime consultant with the City of Fort Lauderdale over the past 39 years. Some projects include the 2nd Avenue Drainage Improvements, Fire Station 8, 23rd Avenue Drainage Improvements, Bayshore Drive Intracoastal crossing, TO-08 SW 21st Terrace Drainage Improvements, TO-05 SW 2nd Ave Parking Improvements, TO-04 - P12378 North Beach Parking Lot (PP171887-4), TO-03 Forcemain Upsize From D-36 to D-35, TO-01 South River Forcemain Crossing and multiple others.

LOCAL BUSINESS EXHIBIT "A"  
CITY OF POMPANO BEACH, FLORIDA  
LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: RLI 26-003 | Continuing Contract for Civil Engineering Services (CCNA)      Prime Contractor's Name: Chen Moore and Associates, Inc.

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Material to be Purchased</u>	<u>Contract Amount or %</u>
Chappel Group (Local Business)	Tyler Chappell (954) 782-1908	Environmental Permitting	5% - 15%

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"  
LOCAL BUSINESS  
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number RLI 26-003

TO: Chen Moore and Associates  
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual  a corporation  
 a partnership  a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Environmental Consulting Services  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_


at the following price: 5%

12/18/25  
(Date)

The Chappell Group, Inc.  
(Print Name of Local Business Contractor)

714 East McNab Road  
(Street Address)

Pompano Beach, FL 33064  
(City, State Zip Code)

BY:   
(Signature)

**IMPORTANT NOTE:** Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS  
UNAVAILABILITY FORM

BID # \_\_\_\_\_

I, \_\_\_\_\_  
(Name and Title)

of \_\_\_\_\_, certify that on the \_\_\_\_\_ day of

\_\_\_\_\_, \_\_\_\_\_, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
<b>Not Applicable</b>		

Said Local Businesses:

- \_\_\_ Did not bid in response to the invitation
- \_\_\_ Submitted a bid which was not the low responsible bid
- \_\_\_ Other: \_\_\_\_\_

Name and Title: \_\_\_\_\_

Date: \_\_\_\_\_

Note: Attach additional documents as available.

**LOCAL BUSINESS PROGRAM FORMS**

LOCAL BUSINESS EXHIBIT "D"  
GOOD FAITH EFFORT REPORT  
LOCAL BUSINESS PARTICIPATION

BID # RLI 26-003

1. What portions of the contract have you identified as Local Business opportunities?

We have identified multiple elements of this continuing services contract as Local Business opportunities and intend to include our dedicated local consultants across work authorizations issued under this agreement.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

Yes. We provided adequate information to our Local Consultant Businesses team by outlining the anticipated range of continuing service assignments (as-needed) and describing the likely task categories and scopes that may be requested under individual Work Authorizations. We communicated that local firm participation will be utilized across projects that may arise from this continuing services contract.

\_\_\_\_\_

3. Did you send written notices to Local Businesses?

Yes  No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

Yes  No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

We actively pursued Local Business participation by identifying local consultants capable of supporting the anticipated service categories and engaging them for inclusion on our team for future Work Authorizations. CMA will continue to include local consultant services across any projects that may arise from this continuing services contract, consistent with the City's Local Business Program requirements.

7. List the Local Businesses you will utilize and subcontract amount.

Please refer to page 97. \_\_\_\_\_

\$ Please refer to page 97. \_\_\_\_\_

\_\_\_\_\_

\$ \_\_\_\_\_

\_\_\_\_\_

\$ \_\_\_\_\_

8. Other comments: n/a

\_\_\_\_\_

LOCAL BUSINESS EXHIBIT "D" – Page 2

n/a

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### TIER 1/TIER 2 COMPLIANCE FORM

**IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY’S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**TIER 1 LOCAL VENDOR**

\_\_\_\_\_ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

And/Or

\_\_\_\_\_ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

Or

X My firm does not qualify as a Tier 1 Vendor.

**TIER 2 LOCAL VENDOR**

\_\_\_\_\_ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

X My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

Or

\_\_\_\_\_ My firm does not qualify as a Tier 2 Vendor.

**I certify that the above information is true to the best of my knowledge.**

December 17, 2025

\_\_\_\_\_  
(Date)

Chen Moore and Associates, Inc.

\_\_\_\_\_  
(Name of Firm)

BY: Peter Moore, PE, F.ASCE, F.ACEC, F.FES

\_\_\_\_\_  
(Name)



**RLI 26-003**



**Peter Moore, PE, F.ASCE, FACEC, F.FES, President**  
Chen Moore and Associates, Inc.

500 West Cypress Creek Road, Suite 600, Fort Lauderdale, FL 33309  
Telephone: +1 (954) 730-0707 | Email: [pmoore@chenmoore.com](mailto:pmoore@chenmoore.com) | Fax: +1 (954) 730-2030



## RLI26-003 Addendum 3

### Chen Moore and Associates

### Supplier Response

#### Event Information

Number: RLI26-003 Addendum 3  
 Title: Continuing Contracts for Civil Engineering Services - CCNA  
 Type: Request for Letters of Interest  
 Issue Date: 11/17/2025  
 Deadline: 12/18/2025 02:00 PM (ET)  
 Notes: According to Section 287.055, Florida Statutes Consultants' Competitive Negotiation Act (CCNA), the City of Pompano Beach (the "City") invites professional companies/firms to submit a Letter of Interest (RLI) to provide civil engineering services on a continuing as-needed basis.

The selected firm shall demonstrate specific experience and capabilities and must have qualified personnel and expertise in the specified disciplines.

This RLI is subject to the "Cone of Silence," which imposes certain restrictions on communications concerning the RLI process.

The Cone of Silence shall take effect once this solicitation is released to the General Public. Respondents to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72 hours following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the

procurement officer or as provided in the solicitation documents. Exhibit "B"  
Violation of this provision may be grounds for rejecting a response."  
(F.S. 287.057 (25)).

Any firm or lobbyist for a firm is prohibited from having any communications concerning any solicitation for a competitive procurement with any member of the City Commission, City Clerk, City Manager's Office, any Evaluation Committee Member, or any other City of Pompano Beach employee after Procurement and Contracts releases a solicitation to the General Public. All communications must be sent through the eBid System (IonWave) or to the Purchasing Agent assigned to this solicitation, Jeffrey English, at 954-786-4098 or [jeffrey.english@copbfl.com](mailto:jeffrey.english@copbfl.com). No other member of the City Commission, City Clerk, City Manager's Office, any Evaluation Committee Member, or any other City of Pompano Beach employee should be contacted concerning this RLI. Any information that amends any portion of this RLI received by any method other than an Addendum issued to the RLI is not binding on the City of Pompano Beach.

Proposals must be submitted electronically through the eBid System (IonWave) on or before the due date and time as provided herein. Any proposals received after the specified due date and time will not be considered. Any uncertainty about the time a proposal is received will be resolved against the firm, if you don't mind.

Firms must be registered on the City's eBid System to view the solicitation documents and respond to this Solicitation. The complete solicitation document can be downloaded for free from the eBid System as a PDF at <https://www.pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the firm receives from any source other than the eBid System. The firm is solely responsible for downloading all required documents. To attend the virtual public meeting, go to <https://www.pompanobeachfl.gov/pages/meetings> to find the Zoom link.

## Contact Information

Contact: Michael Lee  
Address: Procurement and Contracts  
1010 NE 3 Avenue  
Pompano Beach, FL 33060  
Phone: (954) 786-4098  
Email: [michael.lee@copbfl.com](mailto:michael.lee@copbfl.com)

## Chen Moore and Associates Information

Contact: Peter Moore, P.E.  
 Address: 500 W Cypress Creek Road  
 Suite 630  
 Fort Lauderdale, FL 33309  
 Phone: (954) 730-0707  
 Fax: (954) 730-2030  
 Email: lbarron@chenmoore.com  
 Web Address: chenmoore.com

By submitting this Response I affirm I have received, read and agree to the all terms and conditions as set forth herein. I hereby recognize and agree that upon execution by an authorized officer of the City of Pompano Beach, this Response, together with all documents prepared by or on behalf of the City of Pompano Beach for this solicitation, and the resulting Contract shall become a binding agreement between the parties for the products and services to be provided in accordance with the terms and conditions set forth herein. I further affirm that all information and documentation contained within this response to be true and correct, and that I have the legal authority to submit this response on behalf of the named Supplier (Offeror).

Peter Moore

*Signature*

*Submitted at 12/18/2025 01:11:18 PM (ET)*

pmoore@chenmoore.com

*Email*

## Requested Attachments

### Letter of Interest

Letter of Interest\_CMA  
Response.pdf

The electronic version of the proposal must be uploaded to the Response Attachments tab. The file size for uploads is limited to 250 MB. If the file size exceeds 250 MB, the response must be split and uploaded as two (2) separate files.

### Proposer Information Page Form

Proposer Information Page\_CMA  
Response.pdf

Must be uploaded to the Response Attachment Tab

### Project Team Form

Project Team Form\_CMA  
Response.pdf

Must be uploaded to the Response Attachment Tab

### Qualification of Bidders Form

Qualification of Bidders\_CMA  
Response.pdf

Qualification of Bidders Form from the attachments tab must be completed and uploaded to this tab.

### Tier 1/ Tier 2 Local Business Form

Tier1Tier2\_CMA Response.pdf

To comply with the City's Local Business Program as a Tier-1 or Tier-2 vendor, you must complete the Tier 1/ Tier 2 Local Business form from the attachments tab and upload it here.

### Local Business Program Forms

Local Business Program  
Forms\_CMA Response.pdf

Local Business Program Forms from the attachments tab must be completed and uploaded to this tab.

### Attachment H - W9 Request for Taxpayer Identification Number and Certification

CMA W-9 2025.pdf

Must be uploaded to the Response Attachment Tab

1218\_Pompano Civil Services\_CMA Response.pdf

Proposal Response from Chen Moore and Associates

Bid Attributes

<b>1</b>	<b>Terms &amp; Conditions</b> Check the box indicating you agree to the terms and conditions of this solicitation. <input checked="" type="checkbox"/> Agree
<b>2</b>	<b>Acknowledgement of Addenda</b> Check this box to acknowledge that you have reviewed all addenda issued for this solicitation. <input checked="" type="checkbox"/> Yes
<b>3</b>	<b>Local Business Participation Percentage</b> If you have indicated local business participation on the Local Business Participation Form Exhibit A enter the percentage of the contract that will be performed by local Pompano Beach businesses. <input type="text" value="5%"/>
<b>4</b>	<b>Vendor Certification Regarding Scrutinized Companies Lists (Any Dollar Amount)</b> Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to electronically sign on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs. Select yes for Agree, No for disagree on the drop down menu. <input type="text" value="Yes"/>

**5 Drug-Free Workplace**

STATEMENT UNDER SECTION 287.087, FLORIDA STATUTES ON DRUG-FREE WORKPLACE  
**REQUESTED INFORMATION BELOW IS ON THE ATTRIBUTES TAB FOR THE RFP IN THE EBID SYSTEM.  
 PROVIDE THIS INFORMATION ELECTRONICALLY.**

Preference must be given to Contractors submitting certification with their bid or proposal, certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991.

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 by the State or by any political subdivision for the procurement of commodities or contractual services, 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. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. 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 the 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 or of any controlled substance law of the United States or 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 an employee who is so convicted.
  - (6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.
- As the person authorized to sign this statement, I certify that his company/firm complies with the above requirements.

By choosing YES, I hereby certify that the company/firm complies with all the above requirements

**6 Conflict of Interest**

For purposes of determining any possible conflict of interest, all bidders must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". (Note: If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes 112.313.) Indicate yes or no below with the drop down menu.



City of Pompano Beach

RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)

Position Classification & Maximum Hourly Labor Rate Schedule

<b>Prime / Firm Name</b>	Chen Moore and Associates, Inc.
--------------------------	---------------------------------

<b>Position / Classification</b>	<b>Maximum Hourly Rate (\$)</b>
Principal Engineer	420
Senior Engineer	330
Sr. Technical Lead	320
Project Engineer	259
Associate Engineer	166
Engineer	149
Principal Landscape Architect	350
Senior Landscape Architect	240
Project Landscape Architect	171
Associate Landscape Architect	170
Senior Landscape Designer	155
Landscape Designer	135
Senior Project Manager	317
Senior Environmental Scientist	196
Project Environmental Scientist	145
Senior Designer	180
Designer	144
Senior Technician	130

**Prime / Firm Name**

Chen Moore and Associates, Inc.

<b>Position / Classification</b>	<b>Maximum Hourly Rate (\$)</b>
Technician	116
Senior Construction Specialist	182
Construction Specialist	156
Administrative Staff	155
Intern	75



City of Pompano Beach

RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)

Position Classification & Maximum Hourly Labor Rate Schedule

Sub /Firm Name	Cummins Cederberg, Inc.
Position / Classification	Maximum Hourly Rate (\$)
Principal	380
Associate Principal	330
Senior Director	296
Project Director	276
Senior Project Manager	250
Project Manager	224
Chief Scientist	260
Senior Scientist	224
Project Scientist	182
Associate Scientist II	161
Associate Scientist I	135
Chief Engineer	296
Senior Engineer	260
Project Engineer	218
Associate Engineer II	192
Associate Engineer I	161
Senior Designer	182
Designer	146
Senior GIS Specialist	187
GIS Specialist	140

<b>Sub /Firm Name</b>	Cummins Cederberg, Inc.
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<b>Position / Classification</b>	<b>Maximum Hourly Rate (\$)</b>
Technician	99
Clerical	88



**City of Pompano Beach**

**RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)**

**Position Classification & Maximum Hourly Labor Rate Schedule**

<b>Sub /Firm Name</b>	Longitude Surveyors LLC
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<b>Position / Classification</b>	<b>Maximum Hourly Rate (\$)</b>
Principal-in-Charge	225
Project Manager	150
Project Surveyor & Mapper	136.8
Survey & Mapper Computer Technician / CADD Tech.	115
Survey Field Crew Coordinator / Supervisor	100.8
Survey Crew (Party of Two)	225
Survey Crew (Party of Three)	250
Designating Services (Party of Two)	264.53
Designating Services (Party of Three)	346.89
Ground Penetrating Radar (Party of Two)	275
Ground Penetrating Radar (Party of Three)	365







**City of Pompano Beach**

**RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)**

**Position Classification & Maximum Hourly Labor Rate Schedule**

Other Items	Cummins Cederberg, Inc.
Description	Maximum Rate (\$)
ADCP Unit (<14 days)	500/day
ADCP Unit (>14 days)	350/day
Auto Level/ Rod	75/day
Handheld GPS	30/day
Handheld Trimble GPS	100/day
RTK GPS System	500/day
Hydrographic Survey System (DGPS, Echosounder, Hypack)	450/day
Portable Flow Meter	125/day
Turbidity Meter	75/day
Tide Gauge (day)	20/day
Tide Gauge (week)	100/week
Jet Probe System	350/day
Underwater/Upland Camera	20/day
Snorkel Gear (one set)	15/day
Dive Gear (one set)	50/day
SCUBA Air Tanks	20/day
30cf Emergency Bailout Tanks (w/ separate reg)	25/day
3cf Spare Air Tanks	10/day
DAN O2 Kit	50/day
Kayak/Paddleboard	50/day

**Other Items**

Cummins Cederberg, Inc.

Description	Maximum Rate (\$)
Boat (inshore)	500/day
Boat (inshore) + captain	1000/day
Boat (offshore) + captain	1500/day
Truck/Rental	150/day
Generator	25/day
Underwater drill	25/day
Cygnus UW Thickness Guage*	100/day
YSI Unit*	200/day
Full face masks (2) with Communication receiver	500/day
QYSEA FIFISH E-GO u/w drone (East Coast)	900/day
DJI Mavic 2 Pro aerial drone (East Coast)	200/day

City of Pompano Beach

RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)

Position Classification & Maximum Hourly Labor Rate Schedule

<b>Other Items</b>	Longitude Surveyors LLC
--------------------	-------------------------

<b>Description</b>	<b>Maximum Rate (\$)</b>
Soft Digs / Test Holes	1200/each
Air Compressor	200/day
MOT Plans	200/each

**City of Pompano Beach**

**RLI26-003 CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES (CCNA)**

**Position Classification & Maximum Hourly Labor Rate Schedule**

<b>Other Items</b>	<b>Pan Geo Consultants</b>
<b>Description</b>	<b>Maximum Rate (\$)</b>
Truck Mounted Test Borings	16.00/linear foot
Setting Casing	5.50/linear foot
Crew and Equipment Mobilization (2 Person Crew)	400.00/mobilization
SFWMD Exfiltration Tests (to 6 ft)	500.00/test
Double Ring Infiltration Tests	700.00/test
Field Density Tests (Nuclear, minimum of 4 tests)	35.00/test
Asphalt Coring and Patching	75.00/test
MOT Plan	275.00/per
MOT Basic Equipment and Setup	1300.00/per day
MOT Advanced Equipment and Setup	2600.00/per day
Modified Proctor (ASTM D 1557)	175.00/test
Standard Proctor (ASTM D 698)	125.00/each
Atterberg Limits Determination (LL, PL)	65.00/test
Sieve Analysis (Washed over #200 sieve)	85.00/test
Organic Content (by heating)	55.00/test
Moisture Content Determination	25.00/test